

EXTRACTION OIL & GAS

WELD COUNTY

Sec 36-T7N-R67W

MAVERICK 2W-20-04

OWB

PROPOSAL 1

Anticollision Report

17 December, 2024

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference	PROPOSAL 1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Unknown AC limit!	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	12/17/2024		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	21,818.56	PROPOSAL 1 (OWB)	MWD OWSG	OWSG MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Sec 12-T6N-R67W						
SIMONSEN 11-421 - Wellbore #1 - Wellbore #1	10,810.50	8,098.37	374.99	290.42	4.434	CC
SIMONSEN 11-421 - Wellbore #1 - Wellbore #1	10,900.00	8,067.62	388.65	283.22	3.686	ES
SIMONSEN 11-421 - Wellbore #1 - Wellbore #1	11,000.00	8,044.87	434.04	308.37	3.454	SF
SIMONSEN 1L-241 - Wellbore #1 - Wellbore #1	10,438.66	8,137.40	606.32	468.99	4.415	CC, ES
SIMONSEN 1L-241 - Wellbore #1 - Wellbore #1	10,600.00	8,041.87	638.79	489.60	4.282	SF
SIMONSEN 1L-421 - Wellbore #1 - Wellbore #1	10,220.93	8,101.73	1,399.08	1,254.47	9.675	CC
SIMONSEN 1L-421 - Wellbore #1 - Wellbore #1	10,400.00	7,922.56	1,402.98	1,252.34	9.314	ES
SIMONSEN 1L-421 - Wellbore #1 - Wellbore #1	10,600.00	7,712.00	1,448.00	1,290.70	9.206	SF
SIMONSEN 1Q-241 - Wellbore #1 - Wellbore #1	9,366.90	8,671.37	1,930.74	1,793.95	14.115	CC
SIMONSEN 1Q-241 - Wellbore #1 - Wellbore #1	9,500.00	8,562.87	1,932.93	1,793.06	13.819	ES
SIMONSEN 1Q-241 - Wellbore #1 - Wellbore #1	10,300.00	7,899.00	2,028.64	1,873.61	13.085	SF
Sec 36-T7N-R67W						
ABND VERT LIND 36-32 - Wellbore #1 - Design #1	2,688.63	2,362.46	2,100.88	2,071.36	71.173	CC
ABND VERT LIND 36-32 - Wellbore #1 - Design #1	2,700.00	2,369.48	2,100.90	2,071.20	70.738	ES
ABND VERT LIND 36-32 - Wellbore #1 - Design #1	4,300.00	3,288.85	2,480.28	2,429.60	48.947	SF
ABND VERT LIND 36-33 - Wellbore #1 - Design #1	4,583.89	3,425.39	1,485.81	1,424.45	24.214	CC
ABND VERT LIND 36-33 - Wellbore #1 - Design #1	4,600.00	3,434.61	1,485.87	1,424.24	24.109	ES
ABND VERT LIND 36-33 - Wellbore #1 - Design #1	5,100.00	3,720.87	1,544.89	1,476.70	22.653	SF
EXIST HZ BALDRIDGE 1-1 - Wellbore #1 - Wellbore #1	3,534.00	2,411.69	1,407.88	1,367.60	34.958	CC
EXIST HZ BALDRIDGE 1-1 - Wellbore #1 - Wellbore #1	3,600.00	2,445.86	1,408.95	1,367.47	33.965	ES
EXIST HZ BALDRIDGE 1-1 - Wellbore #1 - Wellbore #1	4,500.00	2,971.02	1,617.63	1,560.92	28.526	SF
EXIST HZ BALDRIDGE 17-1 - Wellbore #1 - Wellbore #1	3,963.69	2,730.91	1,293.19	1,244.76	26.703	CC
EXIST HZ BALDRIDGE 17-1 - Wellbore #1 - Wellbore #1	4,000.00	2,752.03	1,293.49	1,244.25	26.272	ES
EXIST HZ BALDRIDGE 17-1 - Wellbore #1 - Wellbore #1	5,100.00	3,562.17	1,512.19	1,439.70	20.860	SF
EXIST HZ BALDRIDGE 2-1 - Wellbore #1 - Wellbore #1	4,127.03	3,055.32	922.47	868.58	17.119	CC
EXIST HZ BALDRIDGE 2-1 - Wellbore #1 - Wellbore #1	4,200.00	3,112.31	923.81	868.28	16.635	ES
EXIST HZ BALDRIDGE 2-1 - Wellbore #1 - Wellbore #1	4,500.00	3,327.29	956.55	895.56	15.684	SF
EXIST HZ BALDRIDGE 7-1 - Wellbore #1 - Wellbore #1	4,714.44	3,334.21	1,250.15	1,183.04	18.628	CC
EXIST HZ BALDRIDGE 7-1 - Wellbore #1 - Wellbore #1	4,800.00	3,413.55	1,250.71	1,181.03	17.948	ES
EXIST HZ BALDRIDGE 7-1 - Wellbore #1 - Wellbore #1	5,900.00	4,329.00	1,406.72	1,309.97	14.540	SF
EXIST HZ BALDRIDGE 8-1 - Wellbore #1 - Wellbore #1	3,768.90	2,440.52	1,502.50	1,459.55	34.983	CC
EXIST HZ BALDRIDGE 8-1 - Wellbore #1 - Wellbore #1	3,800.00	2,463.73	1,502.65	1,458.98	34.409	ES
EXIST HZ BALDRIDGE 8-1 - Wellbore #1 - Wellbore #1	5,200.00	3,494.10	1,799.98	1,725.08	24.031	SF
EXIST HZ SCHNEIDER 16-36 - Wellbore #1 - Wellbore #	3,316.54	2,476.47	1,052.10	1,013.17	27.029	CC, ES
EXIST HZ SCHNEIDER 16-36 - Wellbore #1 - Wellbore #	3,600.00	2,571.34	1,085.21	1,042.65	25.496	SF
EXIST HZ SCHNEIDER 20-36 - Wellbore #1 - Wellbore #	3,115.40	2,588.27	836.22	796.13	20.860	CC, ES

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Sec 36-T7N-R67W						
EXIST HZ SCHNEIDER 20-36 - Wellbore #1 - Wellbore #	3,300.00	2,646.07	854.25	811.93	20.187	SF
EXIST HZ SCHNEIDER 33-36 - Wellbore #1 - Wellbore #	2,738.72	2,517.07	534.80	500.59	15.635	CC, ES
EXIST HZ SCHNEIDER 33-36 - Wellbore #1 - Wellbore #	2,800.00	2,540.54	537.87	502.90	15.381	SF
EXIST HZ SCHNEIDER 34-36 - Wellbore #1 - Wellbore #	2,865.42	2,381.80	737.56	704.26	22.147	CC, ES
EXIST HZ SCHNEIDER 34-36 - Wellbore #1 - Wellbore #	3,000.00	2,411.64	748.93	714.07	21.484	SF
EXIST HZ SCHNEIDER 37-36 - Wellbore #1 - Wellbore #	3,560.13	2,666.33	1,073.54	1,030.53	24.957	CC
EXIST HZ SCHNEIDER 37-36 - Wellbore #1 - Wellbore #	3,600.00	2,688.61	1,074.05	1,030.32	24.558	ES
EXIST HZ SCHNEIDER 37-36 - Wellbore #1 - Wellbore #	4,000.00	2,906.42	1,137.24	1,087.75	22.981	SF
ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 -	3,329.59	2,697.12	233.16	197.29	6.501	CC, ES
ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 -	3,500.00	2,826.24	258.35	215.58	6.041	SF
ICE MAN 2W-15-2N - ORIGINAL WELLBORE - WB #1 -	3,418.63	2,756.47	246.19	209.37	6.687	CC, ES
ICE MAN 2W-15-2N - ORIGINAL WELLBORE - WB #1 -	3,600.00	2,906.90	266.68	221.57	5.911	SF
ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 -	3,559.65	2,852.11	277.98	238.69	7.076	CC
ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 -	3,600.00	2,884.55	278.97	237.66	6.752	ES
ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 -	3,800.00	3,057.34	308.57	257.82	6.080	SF
ICE MAN 2W-15-4N - ORIGINAL WELLBORE - WB #1 -	3,774.34	3,026.34	271.53	226.76	6.066	CC
ICE MAN 2W-15-4N - ORIGINAL WELLBORE - WB #1 -	3,800.00	3,046.18	271.93	225.84	5.899	ES
ICE MAN 2W-15-4N - ORIGINAL WELLBORE - WB #1 -	4,000.00	3,218.51	297.18	241.09	5.299	SF
ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 -	4,036.40	3,246.91	275.16	222.87	5.262	CC
ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 -	4,100.00	3,298.11	277.48	221.61	4.966	ES
ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 -	4,200.00	3,389.01	287.90	226.53	4.691	SF
ICE MAN 2W-15-6N - ORIGINAL WELLBORE - WB #1 -	4,332.41	3,491.69	312.97	252.98	5.218	CC
ICE MAN 2W-15-6N - ORIGINAL WELLBORE - WB #1 -	4,400.00	3,544.77	315.18	251.50	4.949	ES
ICE MAN 2W-15-6N - ORIGINAL WELLBORE - WB #1 -	4,600.00	3,731.90	338.83	264.71	4.571	SF
ICE MAN 2W-15-7N - ORIGINAL WELLBORE - WB #1 -	4,607.30	3,731.79	296.65	228.19	4.333	CC
ICE MAN 2W-15-7N - ORIGINAL WELLBORE - WB #1 -	4,700.00	3,803.92	301.15	227.50	4.089	ES
ICE MAN 2W-15-7N - ORIGINAL WELLBORE - WB #1 -	4,800.00	3,888.69	314.83	236.28	4.008	SF
MAVERICK 2W-20-01 - OWB - PROPOSAL 1	620.30	618.01	53.55	49.20	12.320	CC, ES
MAVERICK 2W-20-01 - OWB - PROPOSAL 1	21,818.56	20,950.39	1,362.70	684.96	2.011	SF
MAVERICK 2W-20-02 - OWB - PROPOSAL 1	569.66	568.53	35.72	31.77	9.040	CC
MAVERICK 2W-20-02 - OWB - PROPOSAL 1	600.00	598.75	35.79	31.60	8.543	ES
MAVERICK 2W-20-02 - OWB - PROPOSAL 1	21,818.56	21,107.81	903.08	213.12	1.309	Level 3, SF
MAVERICK 2W-20-03 - OWB - PROPOSAL 1	529.43	529.39	17.97	14.31	4.908	CC
MAVERICK 2W-20-03 - OWB - PROPOSAL 1	21,818.56	21,740.82	511.63	-68.05	0.883	Level 1, ES, SF
Sec 3-T6N-R67W						
ABND VERT BOWER 1-3 - Wellbore #1 - Design #1	17,000.00	7,033.00	1,510.51	1,142.79	4.108	SF
ABND VERT BOWER 1-3 - Wellbore #1 - Design #1	17,100.00	7,033.00	1,502.89	1,138.51	4.124	ES
ABND VERT BOWER 1-3 - Wellbore #1 - Design #1	17,164.89	7,033.00	1,501.49	1,139.73	4.151	CC
ABND VERT MOSIER 1-2 - Wellbore #1 - Design #1	15,600.00	6,974.00	182.80	-35.09	0.839	Level 1, ES, SF
ABND VERT MOSIER 1-2 - Wellbore #1 - Design #1	15,625.62	6,974.00	180.99	-24.11	0.882	Level 1, CC
ABND VERT OCHSNER 1-3 - Wellbore #1 - Design #1	19,300.00	7,011.00	1,519.65	1,205.73	4.841	SF
ABND VERT OCHSNER 1-3 - Wellbore #1 - Design #1	19,400.00	7,011.00	1,509.54	1,198.00	4.845	ES
ABND VERT OCHSNER 1-3 - Wellbore #1 - Design #1	19,504.45	7,011.00	1,506.01	1,198.19	4.893	CC
EXIST HZ BOWER 10-3 - Wellbore #1 - Wellbore #1	18,000.00	7,224.86	1,495.62	1,204.84	5.143	SF
EXIST HZ BOWER 10-3 - Wellbore #1 - Wellbore #1	18,200.00	7,225.44	1,480.84	1,196.42	5.207	ES
EXIST HZ BOWER 10-3 - Wellbore #1 - Wellbore #1	18,209.99	7,225.47	1,480.81	1,196.82	5.214	CC
EXIST HZ BOWER 15-3 - Wellbore #1 - Wellbore #1	18,200.00	7,401.72	231.50	-77.60	0.749	Level 1, ES, SF
EXIST HZ BOWER 15-3 - Wellbore #1 - Wellbore #1	18,264.42	7,402.95	222.36	-64.79	0.774	Level 1, CC

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Sec 5-T6N-R67W						
MICKEY 10 - ORIGINAL WELLBORE - WB # 1 - Patters	20,900.00	15,476.00	2,765.57	2,216.82	5.040	ES, SF
MICKEY 10 - ORIGINAL WELLBORE - WB # 1 - Patters	20,963.00	15,455.79	2,765.22	2,216.87	5.043	CC
MICKEY 11 - ORIGINAL WELLBORE - WB # 1 - Patters	19,700.00	16,514.00	2,598.71	2,048.77	4.725	SF
MICKEY 11 - ORIGINAL WELLBORE - WB # 1 - Patters	19,791.98	16,452.83	2,597.59	2,048.05	4.727	CC, ES
MICKEY 12 - ORIGINAL WELLBORE - WB #1 - Patterso	20,900.00	15,354.78	2,261.87	1,711.92	4.113	SF
MICKEY 12 - ORIGINAL WELLBORE - WB #1 - Patterso	21,000.00	15,287.67	2,260.70	1,711.26	4.115	ES
MICKEY 12 - ORIGINAL WELLBORE - WB #1 - Patterso	21,044.00	15,254.27	2,260.60	1,711.35	4.116	CC
MICKEY 13 - ORIGINAL WELLBORE - WB #1 - Patterso	19,900.00	16,461.07	2,107.33	1,559.71	3.848	SF
MICKEY 13 - ORIGINAL WELLBORE - WB #1 - Patterso	20,000.00	16,384.31	2,106.54	1,559.21	3.849	ES
MICKEY 13 - ORIGINAL WELLBORE - WB #1 - Patterso	20,010.62	16,376.79	2,106.53	1,559.26	3.849	CC
VARRA 10 - Wellbore #1 - Wellbore #1	21,818.56	17,140.00	503.26	153.57	1.439	Level 3, CC, ES, SF
VARRA 11 - Wellbore #1 - Wellbore #1	21,818.56	16,920.00	308.42	78.05	1.339	Level 3, CC, ES, SF
VARRA 12 - Wellbore #1 - Wellbore #1	21,818.56	17,070.00	395.35	-78.78	0.834	Level 1, CC, ES, SF
VARRA 2 - Wellbore #1 - Wellbore #1	21,818.56	16,991.00	1,954.01	1,331.02	3.136	CC, ES, SF
VARRA 3 - STK1 - STK1	21,818.56	16,815.00	1,623.91	1,053.74	2.848	CC, ES, SF
VARRA 3 - Wellbore #1 - Wellbore #1	21,818.56	15,135.00	2,480.92	2,019.86	5.381	CC, ES, SF
VARRA 4 - Wellbore #1 - Wellbore #1	21,818.56	17,130.00	1,515.00	895.41	2.445	CC, ES, SF
VARRA 5 - Wellbore #1 - Wellbore #1	21,818.56	16,905.00	1,310.84	686.01	2.098	CC, ES, SF
VARRA 6 - Wellbore #1 - Wellbore #1	21,818.56	17,004.00	984.02	365.91	1.592	CC, ES, SF
VARRA 7 - Wellbore #1 - Wellbore #1	21,818.56	17,100.00	912.08	309.20	1.513	CC, ES, SF
VARRA 8 - Wellbore #1 - Wellbore #1	21,818.56	16,848.00	683.27	65.53	1.106	Level 2, CC, ES, SF
VARRA 9 - STK1 - STK1	21,818.56	16,811.00	367.99	-194.25	0.655	Level 1, CC, ES, SF
VARRA 9 - Wellbore #1 - Wellbore #1	21,818.56	15,770.00	1,218.10	939.81	4.377	CC, ES, SF

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 144-MWD												Offset Well Error:	0.00 usft
Sec 12-T6N-R67W - SIMONSEN 11-421 - Wellbore #1 - Wellbore #1													
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
100.00	100.00	41.30	41.30	0.27	0.07	-159.96	-7,852.86	-2,864.56	8,359.01	8,358.68	0.34	N/A	
200.00	199.98	12,310.00	7,272.34	0.62	95.75	26.00	-2,894.73	-3,072.48	8,285.42	8,231.43	53.99	153.464	
300.00	299.84	12,310.00	7,272.34	0.97	95.75	27.70	-2,894.73	-3,072.48	8,197.19	8,142.95	54.24	151.120	
400.00	399.45	12,310.00	7,272.34	1.34	95.75	29.61	-2,894.73	-3,072.48	8,107.80	8,053.29	54.51	148.734	
500.00	498.70	12,310.00	7,272.34	1.74	95.75	31.78	-2,894.73	-3,072.48	8,017.32	7,962.53	54.79	146.317	
600.00	597.47	12,310.00	7,272.34	2.17	95.75	34.25	-2,894.73	-3,072.48	7,925.82	7,870.74	55.09	143.876	
700.00	695.62	12,310.00	7,272.34	2.62	95.75	37.07	-2,894.73	-3,072.48	7,833.39	7,778.00	55.39	141.419	
800.00	793.06	12,310.00	7,272.34	3.12	95.75	40.31	-2,894.73	-3,072.48	7,740.10	7,684.39	55.70	138.951	
900.00	889.64	12,310.00	7,272.34	3.65	95.75	44.03	-2,894.73	-3,072.48	7,646.04	7,590.01	56.02	136.477	
1,000.00	985.27	12,310.00	7,272.34	4.23	95.75	48.31	-2,894.73	-3,072.48	7,551.29	7,494.93	56.35	134.000	
1,100.00	1,079.82	12,310.00	7,272.34	4.85	95.75	53.20	-2,894.73	-3,072.48	7,455.95	7,399.26	56.69	131.524	
1,200.00	1,173.17	12,310.00	7,272.34	5.52	95.75	58.76	-2,894.73	-3,072.48	7,360.11	7,303.08	57.03	129.050	
1,300.00	1,265.21	12,310.00	7,272.34	6.24	95.75	65.01	-2,894.73	-3,072.48	7,263.87	7,206.49	57.39	126.581	
1,400.00	1,355.84	12,310.00	7,272.34	7.01	95.75	71.88	-2,894.73	-3,072.48	7,167.34	7,109.60	57.75	124.119	
1,500.00	1,444.94	12,310.00	7,272.34	7.82	95.75	79.24	-2,894.73	-3,072.48	7,070.63	7,012.51	58.12	121.663	
1,600.00	1,532.39	12,310.00	7,272.34	8.69	95.75	86.88	-2,894.73	-3,072.48	6,973.84	6,915.34	58.50	119.217	
1,700.00	1,618.11	12,310.00	7,272.34	9.61	95.75	94.53	-2,894.73	-3,072.48	6,877.09	6,818.20	58.89	116.779	
1,800.00	1,701.97	12,310.00	7,272.34	10.58	95.75	101.90	-2,894.73	-3,072.48	6,780.51	6,721.21	59.30	114.351	
1,900.00	1,783.88	12,310.00	7,272.34	11.59	95.75	108.78	-2,894.73	-3,072.48	6,684.22	6,624.50	59.72	111.934	
2,000.00	1,863.74	12,310.00	7,272.34	12.66	95.75	115.02	-2,894.73	-3,072.48	6,588.35	6,528.20	60.15	109.527	
2,100.00	1,941.45	12,310.00	7,272.34	13.77	95.75	120.59	-2,894.73	-3,072.48	6,493.05	6,432.45	60.61	107.132	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 144-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,200.00	2,016.92	12,310.00	7,272.34	14.94	95.75	125.48	-2,894.73	-3,072.48	6,398.46	6,337.38	61.08	104.750		
2,300.00	2,090.05	12,310.00	7,272.34	16.14	95.75	129.74	-2,894.73	-3,072.48	6,304.73	6,243.15	61.58	102.381		
2,400.00	2,160.76	12,310.00	7,272.34	17.40	95.75	133.45	-2,894.73	-3,072.48	6,212.01	6,149.91	62.10	100.028		
2,500.00	2,228.95	12,310.00	7,272.34	18.69	95.75	136.66	-2,894.73	-3,072.48	6,120.46	6,057.81	62.65	97.693		
2,600.00	2,294.55	12,310.00	7,272.34	20.03	95.75	139.46	-2,894.73	-3,072.48	6,030.26	5,967.03	63.22	95.379		
2,700.00	2,357.48	12,310.00	7,272.34	21.41	95.75	141.89	-2,894.73	-3,072.48	5,941.57	5,877.74	63.83	93.088		
2,800.00	2,417.66	12,310.00	7,272.34	22.83	95.75	144.02	-2,894.73	-3,072.48	5,854.57	5,790.11	64.46	90.824		
2,900.00	2,475.32	12,310.00	7,272.34	24.29	95.75	145.05	-2,894.73	-3,072.48	5,769.30	5,704.17	65.12	88.590		
3,000.00	2,532.58	12,310.00	7,272.34	25.75	95.75	145.05	-2,894.73	-3,072.48	5,684.72	5,618.89	65.83	86.358		
3,100.00	2,589.83	12,310.00	7,272.34	27.22	95.75	145.05	-2,894.73	-3,072.48	5,600.65	5,534.09	66.56	84.141		
3,200.00	2,647.08	12,310.00	7,272.34	28.70	95.75	145.05	-2,894.73	-3,072.48	5,517.11	5,449.78	67.33	81.946		
3,300.00	2,704.33	12,310.00	7,272.34	30.17	95.75	145.05	-2,894.73	-3,072.48	5,434.13	5,366.01	68.12	79.774		
3,400.00	2,761.58	12,310.00	7,272.34	31.65	95.75	145.05	-2,894.73	-3,072.48	5,351.72	5,282.78	68.94	77.629		
3,500.00	2,818.84	12,310.00	7,272.34	33.13	95.75	145.05	-2,894.73	-3,072.48	5,269.93	5,200.14	69.79	75.514		
3,600.00	2,876.09	12,310.00	7,272.34	34.62	95.75	145.05	-2,894.73	-3,072.48	5,188.78	5,118.12	70.66	73.431		
3,700.00	2,933.34	12,310.00	7,272.34	36.10	95.75	145.05	-2,894.73	-3,072.48	5,108.29	5,036.73	71.56	71.382		
3,800.00	2,990.59	12,310.00	7,272.34	37.59	95.75	145.05	-2,894.73	-3,072.48	5,028.51	4,956.02	72.49	69.369		
3,900.00	3,047.84	12,310.00	7,272.34	39.08	95.75	145.05	-2,894.73	-3,072.48	4,949.46	4,876.01	73.44	67.393		
4,000.00	3,105.10	12,310.00	7,272.34	40.57	95.75	145.05	-2,894.73	-3,072.48	4,871.17	4,796.75	74.42	65.455		
4,100.00	3,162.35	12,310.00	7,272.34	42.06	95.75	145.05	-2,894.73	-3,072.48	4,793.70	4,718.28	75.42	63.557		
4,200.00	3,219.60	12,310.00	7,272.34	43.55	95.75	145.05	-2,894.73	-3,072.48	4,717.08	4,640.62	76.45	61.700		
4,300.00	3,276.85	12,310.00	7,272.34	45.05	95.75	145.05	-2,894.73	-3,072.48	4,641.34	4,563.83	77.51	59.884		
4,400.00	3,334.10	12,310.00	7,272.34	46.54	95.75	145.05	-2,894.73	-3,072.48	4,566.54	4,487.96	78.58	58.111		
4,500.00	3,391.35	12,310.00	7,272.34	48.03	95.75	145.05	-2,894.73	-3,072.48	4,492.72	4,413.03	79.68	56.382		
4,600.00	3,448.61	12,310.00	7,272.34	49.53	95.75	145.05	-2,894.73	-3,072.48	4,419.92	4,339.12	80.81	54.696		
4,700.00	3,505.86	12,310.00	7,272.34	51.03	95.75	145.05	-2,894.73	-3,072.48	4,348.21	4,266.26	81.96	53.055		
4,800.00	3,563.11	12,310.00	7,272.34	52.52	95.75	145.05	-2,894.73	-3,072.48	4,277.64	4,194.51	83.12	51.460		
4,900.00	3,620.36	12,310.00	7,272.34	54.02	95.75	145.05	-2,894.73	-3,072.48	4,208.26	4,123.94	84.31	49.911		
5,000.00	3,677.61	12,310.00	7,272.34	55.52	95.75	145.05	-2,894.73	-3,072.48	4,140.13	4,054.60	85.52	48.409		
5,100.00	3,734.87	12,310.00	7,272.34	57.02	95.75	145.05	-2,894.73	-3,072.48	4,073.31	3,986.56	86.75	46.954		
5,200.00	3,792.12	12,310.00	7,272.34	58.51	95.75	145.05	-2,894.73	-3,072.48	4,007.88	3,919.89	87.99	45.547		
5,300.00	3,849.37	12,310.00	7,272.34	60.01	95.75	145.05	-2,894.73	-3,072.48	3,943.90	3,854.65	89.25	44.188		
5,400.00	3,906.62	12,277.67	7,272.90	61.51	95.20	145.03	-2,927.03	-3,073.89	3,881.31	3,791.30	90.01	43.122		
5,500.00	3,963.87	12,197.10	7,274.17	63.01	93.84	144.99	-3,007.51	-3,077.37	3,818.84	3,728.83	90.00	42.430		
5,600.00	4,021.13	12,126.57	7,275.37	64.51	92.65	144.96	-3,077.97	-3,080.21	3,756.37	3,666.22	90.16	41.664		
5,700.00	4,078.38	12,058.79	7,276.96	66.01	91.51	144.94	-3,145.68	-3,082.77	3,694.25	3,603.89	90.36	40.884		
5,800.00	4,135.63	11,992.14	7,278.88	67.51	90.38	144.92	-3,212.27	-3,085.17	3,632.42	3,541.84	90.58	40.103		
5,900.00	4,192.88	11,936.68	7,281.00	69.01	89.45	144.92	-3,267.66	-3,086.66	3,570.91	3,479.93	90.98	39.248		
6,000.00	4,250.13	11,894.84	7,283.06	70.51	88.74	144.93	-3,309.44	-3,087.70	3,510.10	3,418.47	91.63	38.306		
6,100.00	4,307.39	11,393.53	7,279.77	72.02	80.25	145.03	-3,809.90	-3,083.77	3,440.34	3,356.97	83.37	41.265		
6,200.00	4,364.64	11,374.00	7,279.36	73.52	79.91	145.06	-3,829.36	-3,082.21	3,371.20	3,286.78	84.42	39.934		
6,300.00	4,421.89	11,342.00	7,279.36	75.02	79.37	145.11	-3,861.26	-3,079.67	3,303.21	3,218.00	85.20	38.768		
6,400.00	4,479.14	11,280.31	7,279.86	76.52	78.31	145.22	-3,922.79	-3,075.29	3,236.06	3,150.73	85.33	37.923		
6,500.00	4,536.39	11,192.41	7,279.32	78.02	76.82	145.34	-4,010.54	-3,070.33	3,168.59	3,083.69	84.89	37.324		
6,600.00	4,593.64	11,130.76	7,278.53	79.52	75.78	145.41	-4,072.13	-3,067.43	3,101.01	3,015.93	85.08	36.448		
6,700.00	4,650.90	11,072.20	7,277.93	81.03	74.79	145.47	-4,130.63	-3,065.05	3,033.82	2,948.46	85.35	35.544		
6,800.00	4,708.15	11,025.00	7,277.86	82.53	74.00	145.53	-4,177.79	-3,063.16	2,967.20	2,881.30	85.90	34.541		
6,900.00	4,765.40	10,962.09	7,278.36	84.03	72.94	145.61	-4,240.65	-3,060.70	2,901.22	2,815.13	86.09	33.701		
7,000.00	4,822.65	10,930.00	7,278.66	85.53	72.41	145.64	-4,272.73	-3,059.92	2,835.83	2,748.78	87.05	32.576		
7,100.00	4,879.90	10,821.46	7,279.23	87.04	70.61	145.72	-4,381.26	-3,058.71	2,770.77	2,684.56	86.21	32.139		
7,200.00	4,937.16	10,709.00	7,277.77	88.54	68.74	145.80	-4,493.68	-3,056.56	2,703.98	2,618.75	85.23	31.726		
7,300.00	4,994.41	10,670.16	7,277.42	90.04	68.10	145.82	-4,532.52	-3,056.03	2,637.75	2,551.65	86.10	30.634		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 144-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,400.00	5,051.66	10,614.00	7,277.30	91.54	67.18	145.86	-4,588.68	-3,055.69	2,572.29	2,485.72	86.57	29.713		
7,500.00	5,108.91	10,548.40	7,277.04	93.05	66.11	145.87	-4,654.27	-3,056.25	2,507.24	2,420.39	86.84	28.871		
7,600.00	5,166.16	10,392.00	7,275.01	94.55	63.56	145.98	-4,810.60	-3,053.92	2,440.38	2,355.80	84.58	28.851		
7,700.00	5,223.42	10,344.62	7,274.72	96.05	62.78	146.06	-4,857.94	-3,051.85	2,373.40	2,288.15	85.25	27.839		
7,800.00	5,280.67	10,297.00	7,274.84	97.56	62.01	146.13	-4,905.53	-3,050.40	2,307.39	2,221.42	85.96	26.842		
7,900.00	5,337.92	9,968.18	7,256.48	99.06	56.72	146.34	-5,233.39	-3,041.55	2,238.09	2,159.99	78.10	28.655		
8,000.00	5,395.17	9,916.00	7,251.09	100.56	55.89	146.39	-5,285.20	-3,038.65	2,164.57	2,085.98	78.59	27.542		
8,100.00	5,452.42	9,903.37	7,250.11	102.07	55.69	146.41	-5,297.78	-3,037.93	2,092.27	2,011.82	80.45	26.007		
8,200.00	5,509.68	9,885.00	7,249.15	103.57	55.40	146.45	-5,316.09	-3,036.82	2,021.74	1,939.56	82.18	24.600		
8,300.00	5,566.93	9,853.00	7,248.45	105.08	54.89	146.53	-5,348.02	-3,034.87	1,952.99	1,869.50	83.49	23.392		
8,400.00	5,624.18	9,833.88	7,248.39	106.58	54.59	146.58	-5,367.11	-3,034.04	1,885.97	1,800.63	85.34	22.099		
8,500.00	5,681.43	9,652.45	7,246.76	108.08	51.74	147.13	-5,548.06	-3,023.89	1,819.28	1,738.32	80.96	22.471		
8,600.00	5,738.68	9,568.00	7,245.89	109.59	50.42	147.72	-5,631.66	-3,012.09	1,748.96	1,669.08	79.88	21.894		
8,700.00	5,795.93	9,526.08	7,245.55	111.09	49.76	148.04	-5,673.15	-3,006.09	1,678.76	1,598.04	80.72	20.797		
8,800.00	5,853.19	9,450.96	7,244.75	112.60	48.60	148.62	-5,747.59	-2,996.10	1,608.73	1,528.70	80.03	20.101		
8,900.00	5,910.44	9,394.48	7,244.18	114.10	47.74	149.03	-5,803.71	-2,989.79	1,539.49	1,459.21	80.28	19.176		
9,000.00	5,967.69	9,362.74	7,243.89	115.60	47.26	149.23	-5,835.35	-2,987.34	1,471.54	1,389.68	81.87	17.975		
9,100.00	6,024.94	9,302.97	7,243.83	117.11	46.37	149.50	-5,895.08	-2,985.32	1,405.37	1,323.10	82.27	17.082		
9,200.00	6,082.19	9,256.23	7,244.06	118.61	45.69	149.68	-5,941.82	-2,984.82	1,340.31	1,256.90	83.41	16.068		
9,300.00	6,139.45	9,187.01	7,244.57	120.12	44.69	149.88	-6,011.03	-2,985.71	1,276.27	1,192.67	83.61	15.265		
9,400.00	6,196.70	9,052.05	7,244.21	121.62	42.75	150.59	-6,145.90	-2,982.47	1,210.37	1,130.33	80.04	15.121		
9,500.00	6,253.95	8,983.55	7,243.23	123.13	41.78	151.12	-6,214.28	-2,978.66	1,142.84	1,063.01	79.83	14.315		
9,600.00	6,311.20	8,916.05	7,242.25	124.63	40.84	151.66	-6,281.70	-2,975.46	1,075.62	995.93	79.70	13.497		
9,700.00	6,368.45	8,852.42	7,241.48	126.13	39.97	152.21	-6,345.27	-2,972.81	1,008.85	929.03	79.82	12.639		
9,800.00	6,425.71	8,744.38	7,240.32	127.64	38.53	153.24	-6,453.22	-2,969.16	942.70	865.89	76.81	12.273		
9,900.00	6,482.96	8,712.00	7,239.66	129.14	38.10	153.58	-6,485.57	-2,968.03	875.86	796.67	79.18	11.061		
10,000.00	6,540.21	8,658.31	7,241.05	130.65	37.40	154.27	-6,539.21	-2,966.31	812.16	732.11	80.05	10.146		
10,100.00	6,597.46	8,582.04	7,244.21	132.15	36.43	155.50	-6,615.35	-2,963.03	749.55	670.61	78.94	9.496		
10,200.00	6,654.71	8,501.39	7,247.64	133.66	35.43	157.12	-6,695.81	-2,958.74	687.01	609.88	77.13	8.907		
10,300.00	6,711.97	8,417.63	7,250.67	135.16	34.42	159.15	-6,779.38	-2,954.15	624.37	549.65	74.72	8.356		
10,400.00	6,769.19	8,329.24	7,252.17	136.67	33.41	161.89	-6,867.65	-2,949.77	560.94	489.48	71.46	7.850		
10,500.00	6,824.05	8,255.11	7,251.94	138.22	32.60	167.97	-6,941.69	-2,946.10	496.86	428.80	68.06	7.301		
10,600.00	6,873.81	8,193.78	7,251.70	139.81	31.95	175.42	-7,002.96	-2,943.48	438.20	373.26	64.94	6.748		
10,700.00	6,916.95	8,147.35	7,252.10	141.38	31.48	-178.74	-7,049.36	-2,941.85	394.13	326.40	67.73	5.819		
10,800.00	6,952.17	8,102.59	7,253.06	142.87	31.04	-174.26	-7,094.09	-2,940.51	375.17	292.83	82.34	4.556		
10,810.50	6,955.36	8,098.37	7,253.15	143.02	31.00	-173.93	-7,098.31	-2,940.41	374.99	290.42	84.57	4.434 CC		
10,900.00	6,978.39	8,067.62	7,253.75	144.24	30.71	-172.50	-7,129.04	-2,939.73	388.65	283.22	105.43	3.686 ES		
11,000.00	6,994.82	8,044.87	7,254.14	145.43	30.50	-174.16	-7,151.79	-2,939.37	434.04	308.37	125.67	3.454 SF		
11,100.00	7,000.96	8,038.09	7,254.25	146.41	30.44	178.93	-7,158.56	-2,939.29	503.37	364.84	138.54	3.634		
11,200.00	7,001.00	8,039.39	7,254.23	147.26	30.45	177.80	-7,157.27	-2,939.31	585.19	439.06	146.13	4.005		
11,300.00	7,001.00	8,040.69	7,254.21	148.14	30.46	177.56	-7,155.97	-2,939.32	671.96	520.95	151.01	4.450		
11,400.00	7,001.00	8,043.00	7,254.17	149.06	30.48	177.13	-7,153.66	-2,939.35	761.98	607.78	154.20	4.942		
11,500.00	7,001.00	8,043.28	7,254.17	150.00	30.48	177.08	-7,153.38	-2,939.35	854.22	697.72	156.50	5.458		
11,600.00	7,001.00	8,045.19	7,254.14	150.97	30.50	176.73	-7,151.47	-2,939.38	948.03	789.98	158.05	5.998		
11,700.00	7,001.00	8,047.25	7,254.11	151.97	30.52	176.35	-7,149.41	-2,939.40	1,042.99	883.82	159.17	6.553		
11,800.00	7,001.00	8,049.47	7,254.07	153.00	30.54	175.94	-7,147.19	-2,939.43	1,138.81	978.82	159.99	7.118		
11,900.00	7,001.00	8,051.89	7,254.03	154.06	30.56	175.50	-7,144.77	-2,939.47	1,235.28	1,074.69	160.60	7.692		
12,000.00	7,001.00	8,054.52	7,253.98	155.15	30.59	175.02	-7,142.14	-2,939.51	1,332.28	1,171.22	161.06	8.272		
12,100.00	7,001.00	8,057.40	7,253.94	156.27	30.61	174.49	-7,139.26	-2,939.55	1,429.69	1,268.29	161.40	8.858		
12,200.00	7,001.00	8,060.56	7,253.88	157.43	30.64	173.91	-7,136.10	-2,939.60	1,527.43	1,365.77	161.66	9.449		
12,300.00	7,001.00	8,064.04	7,253.82	158.61	30.68	173.28	-7,132.62	-2,939.67	1,625.44	1,463.59	161.85	10.043		
12,400.00	7,001.00	8,067.90	7,253.75	159.82	30.71	172.58	-7,128.76	-2,939.74	1,723.67	1,561.69	161.98	10.641		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 144-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,500.00	7,001.00	8,072.20	7,253.67	161.07	30.75	171.80	-7,124.46	-2,939.82	1,822.09	1,660.03	162.06	11.243		
12,600.00	7,001.00	8,077.03	7,253.58	162.34	30.80	170.93	-7,119.64	-2,939.92	1,920.67	1,758.57	162.10	11.848		
12,700.00	7,001.00	8,068.91	7,253.72	163.64	30.72	172.39	-7,127.76	-2,939.78	2,019.38	1,856.82	162.56	12.422		
12,800.00	7,001.00	8,083.43	7,253.45	164.98	30.86	169.77	-7,113.24	-2,940.06	2,118.22	1,955.97	162.25	13.055		
12,900.00	7,001.00	8,087.25	7,253.38	166.34	30.90	169.09	-7,109.43	-2,940.14	2,217.15	2,054.87	162.28	13.663		
13,000.00	7,001.00	8,091.27	7,253.30	167.74	30.93	168.37	-7,105.41	-2,940.24	2,316.17	2,153.88	162.29	14.272		
13,100.00	7,001.00	8,095.51	7,253.21	169.16	30.98	167.62	-7,101.16	-2,940.34	2,415.27	2,252.98	162.29	14.882		
13,200.00	7,001.00	8,100.00	7,253.12	170.61	31.02	166.83	-7,096.68	-2,940.45	2,514.43	2,352.15	162.28	15.494		
13,300.00	7,001.00	8,104.75	7,253.02	172.10	31.06	166.00	-7,091.93	-2,940.57	2,613.65	2,451.40	162.26	16.108		
13,400.00	7,001.00	8,110.82	7,252.89	173.61	31.12	164.94	-7,085.87	-2,940.73	2,712.93	2,550.74	162.19	16.727		
13,500.00	7,001.00	8,118.45	7,252.73	175.15	31.20	163.63	-7,078.24	-2,940.94	2,812.25	2,650.16	162.09	17.350		
13,600.00	7,001.00	8,127.02	7,252.54	176.72	31.28	162.17	-7,069.67	-2,941.19	2,911.61	2,749.65	161.96	17.978		
13,700.00	7,001.00	8,136.73	7,252.33	178.31	31.38	160.54	-7,059.97	-2,941.50	3,011.00	2,849.19	161.80	18.609		
13,800.00	7,001.00	8,130.65	7,252.46	179.94	31.32	161.56	-7,066.05	-2,941.33	3,110.41	2,948.36	162.04	19.195		
13,900.00	7,001.00	8,145.44	7,252.14	181.59	31.46	159.11	-7,051.27	-2,941.79	3,209.87	3,048.10	161.77	19.843		
14,000.00	7,001.00	8,149.11	7,252.07	183.26	31.50	158.52	-7,047.60	-2,941.91	3,309.35	3,147.59	161.76	20.458		
14,100.00	7,001.00	8,152.83	7,252.00	184.97	31.54	157.92	-7,043.89	-2,942.03	3,408.86	3,247.10	161.75	21.074		
14,200.00	7,001.00	8,156.59	7,251.94	186.70	31.58	157.32	-7,040.13	-2,942.16	3,508.39	3,346.64	161.74	21.691		
14,300.00	7,001.00	8,160.39	7,251.89	188.45	31.61	156.72	-7,036.33	-2,942.29	3,607.94	3,446.21	161.73	22.308		
14,400.00	7,001.00	8,164.24	7,251.85	190.23	31.65	156.12	-7,032.48	-2,942.42	3,707.52	3,545.80	161.72	22.926		
14,500.00	7,001.00	8,168.14	7,251.80	192.03	31.69	155.51	-7,028.59	-2,942.56	3,807.11	3,645.41	161.70	23.544		
14,600.00	7,001.00	8,172.70	7,251.77	193.86	31.74	154.81	-7,024.03	-2,942.72	3,906.72	3,745.05	161.67	24.164		
14,700.00	7,001.00	8,177.95	7,251.73	195.71	31.79	154.02	-7,018.79	-2,942.90	4,006.35	3,844.72	161.63	24.787		
14,800.00	7,001.00	8,183.36	7,251.71	197.58	31.85	153.21	-7,013.37	-2,943.10	4,105.98	3,944.40	161.58	25.411		
14,900.00	7,001.00	8,188.95	7,251.70	199.47	31.91	152.39	-7,007.79	-2,943.30	4,205.64	4,044.10	161.53	26.036		
15,000.00	7,001.00	8,194.72	7,251.70	201.39	31.96	151.56	-7,002.02	-2,943.52	4,305.30	4,143.82	161.48	26.662		
15,100.00	7,001.00	8,200.69	7,251.72	203.32	32.03	150.71	-6,996.06	-2,943.74	4,404.97	4,243.55	161.42	27.288		
15,200.00	7,001.00	8,256.65	7,251.95	205.28	32.62	143.44	-6,940.15	-2,946.22	4,504.60	4,344.20	160.40	28.083		
15,300.00	7,001.00	8,276.31	7,252.02	207.25	32.83	141.17	-6,920.52	-2,947.25	4,604.22	4,444.11	160.11	28.757		
15,400.00	7,001.00	8,278.64	7,252.03	209.25	32.85	140.91	-6,918.19	-2,947.37	4,703.85	4,543.71	160.14	29.373		
15,500.00	7,001.00	8,280.91	7,252.04	211.26	32.88	140.66	-6,915.92	-2,947.49	4,803.50	4,643.32	160.17	29.989		
15,600.00	7,001.00	8,283.13	7,252.05	213.30	32.90	140.42	-6,913.71	-2,947.60	4,903.16	4,742.95	160.21	30.605		
15,700.00	7,001.00	8,285.30	7,252.06	215.35	32.93	140.18	-6,911.54	-2,947.71	5,002.83	4,842.59	160.24	31.221		
15,800.00	7,001.00	8,287.41	7,252.07	217.42	32.95	139.95	-6,909.43	-2,947.82	5,102.51	4,942.24	160.27	31.837		
15,900.00	7,001.00	8,297.00	7,252.12	219.50	33.05	138.93	-6,899.86	-2,948.28	5,202.21	5,042.04	160.17	32.479		
16,000.00	7,001.00	8,297.00	7,252.12	221.60	33.05	138.93	-6,899.86	-2,948.28	5,301.91	5,141.67	160.24	33.088		
16,100.00	7,001.00	8,297.00	7,252.12	223.72	33.05	138.93	-6,899.86	-2,948.28	5,401.61	5,241.31	160.30	33.696		
16,200.00	7,001.00	8,297.00	7,252.12	225.85	33.05	138.93	-6,899.86	-2,948.28	5,501.33	5,340.97	160.37	34.305		
16,300.00	7,001.00	8,297.00	7,252.12	228.00	33.05	138.93	-6,899.86	-2,948.28	5,601.06	5,440.63	160.43	34.913		
16,400.00	7,001.00	8,301.56	7,252.14	230.16	33.10	138.46	-6,895.30	-2,948.49	5,700.79	5,540.38	160.41	35.538		
16,500.00	7,001.00	8,305.43	7,252.15	232.34	33.15	138.06	-6,891.44	-2,948.67	5,800.53	5,640.12	160.41	36.160		
16,600.00	7,001.00	8,309.27	7,252.17	234.53	33.19	137.67	-6,887.60	-2,948.85	5,900.28	5,739.87	160.41	36.783		
16,700.00	7,001.00	8,313.07	7,252.17	236.73	33.23	137.29	-6,883.80	-2,949.03	6,000.03	5,839.62	160.41	37.405		
16,800.00	7,001.00	8,316.85	7,252.18	238.95	33.27	136.91	-6,880.03	-2,949.20	6,099.79	5,939.38	160.41	38.027		
16,900.00	7,001.00	8,320.59	7,252.18	241.18	33.31	136.55	-6,876.29	-2,949.37	6,199.55	6,039.14	160.41	38.649		
17,000.00	7,001.00	8,324.30	7,252.18	243.42	33.36	136.19	-6,872.59	-2,949.54	6,299.31	6,138.91	160.40	39.271		
17,100.00	7,001.00	8,329.00	7,252.17	245.67	33.41	135.74	-6,867.89	-2,949.76	6,399.08	6,238.70	160.39	39.897		
17,200.00	7,001.00	8,335.22	7,252.16	247.93	33.48	135.15	-6,861.68	-2,950.04	6,498.86	6,338.51	160.35	40.529		
17,300.00	7,001.00	8,344.01	7,252.11	250.21	33.58	134.34	-6,852.90	-2,950.44	6,598.63	6,438.36	160.28	41.170		
17,400.00	7,001.00	8,413.78	7,250.76	252.50	34.38	128.57	-6,783.23	-2,953.95	6,698.38	6,539.04	159.34	42.038		
17,500.00	7,001.00	8,419.42	7,250.61	254.79	34.45	128.15	-6,777.60	-2,954.26	6,798.11	6,638.79	159.32	42.668		
17,600.00	7,001.00	8,425.00	7,250.45	257.10	34.51	127.74	-6,772.03	-2,954.57	6,897.85	6,738.54	159.31	43.298		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 144-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,700.00	7,001.00	8,435.16	7,250.14	259.42	34.63	127.02	-6,761.89	-2,955.14	6,997.57	6,838.33	159.24	43.945		
17,800.00	7,001.00	8,437.47	7,250.06	261.74	34.66	126.86	-6,759.58	-2,955.27	7,097.30	6,938.04	159.27	44.562		
17,900.00	7,001.00	8,439.74	7,249.99	264.08	34.69	126.70	-6,757.32	-2,955.39	7,197.05	7,037.75	159.30	45.180		
18,000.00	7,001.00	8,441.97	7,249.91	266.42	34.71	126.54	-6,755.10	-2,955.51	7,296.79	7,137.46	159.33	45.797		
18,100.00	7,001.00	8,444.15	7,249.84	268.78	34.74	126.39	-6,752.91	-2,955.63	7,396.55	7,237.19	159.36	46.414		
18,200.00	7,001.00	8,446.31	7,249.76	271.14	34.76	126.24	-6,750.77	-2,955.74	7,496.30	7,336.91	159.39	47.030		
18,300.00	7,001.00	8,457.00	7,249.37	273.51	34.89	125.52	-6,740.10	-2,956.29	7,596.08	7,436.76	159.32	47.680		
18,400.00	7,001.00	8,466.97	7,248.98	275.89	35.01	124.87	-6,730.15	-2,956.83	7,695.84	7,536.59	159.25	48.325		
18,500.00	7,001.00	8,472.52	7,248.77	278.27	35.08	124.52	-6,724.61	-2,957.13	7,795.59	7,636.35	159.24	48.955		
18,600.00	7,001.00	8,506.85	7,247.41	280.67	35.50	122.44	-6,690.36	-2,959.05	7,895.34	7,736.46	158.89	49.692		
18,700.00	7,001.00	8,513.17	7,247.14	283.07	35.57	122.08	-6,684.06	-2,959.41	7,995.08	7,836.21	158.87	50.324		
18,800.00	7,001.00	8,519.49	7,246.86	285.48	35.65	121.73	-6,677.76	-2,959.77	8,094.83	7,935.97	158.86	50.957		
18,900.00	7,001.00	8,520.00	7,246.84	287.89	35.66	121.70	-6,677.24	-2,959.80	8,194.57	8,035.66	158.91	51.567		
19,000.00	7,001.00	8,520.00	7,246.84	290.31	35.66	121.70	-6,677.24	-2,959.80	8,294.33	8,135.36	158.97	52.175		
19,100.00	7,001.00	8,520.00	7,246.84	292.74	35.66	121.70	-6,677.24	-2,959.80	8,394.09	8,235.06	159.03	52.783		
19,200.00	7,001.00	8,529.49	7,246.41	295.17	35.78	121.18	-6,667.78	-2,960.34	8,493.84	8,334.86	158.98	53.427		
19,300.00	7,001.00	8,531.83	7,246.31	297.61	35.80	121.05	-6,665.45	-2,960.47	8,593.60	8,434.59	159.01	54.043		
19,400.00	7,001.00	8,534.14	7,246.21	300.06	35.83	120.93	-6,663.14	-2,960.60	8,693.37	8,534.33	159.05	54.660		
19,500.00	7,001.00	8,536.42	7,246.11	302.51	35.86	120.81	-6,660.87	-2,960.72	8,793.14	8,634.07	159.08	55.276		
19,600.00	7,001.00	8,538.67	7,246.02	304.97	35.89	120.69	-6,658.62	-2,960.85	8,892.92	8,733.81	159.11	55.892		
19,700.00	7,001.00	8,540.89	7,245.92	307.43	35.92	120.57	-6,656.41	-2,960.97	8,992.70	8,833.56	159.14	56.508		
19,800.00	7,001.00	8,552.00	7,245.47	309.90	36.05	120.00	-6,645.32	-2,961.56	9,092.49	8,933.41	159.08	57.157		
19,900.00	7,001.00	8,552.00	7,245.47	312.38	36.05	120.00	-6,645.32	-2,961.56	9,192.27	9,033.14	159.13	57.764		
20,000.00	7,001.00	8,552.00	7,245.47	314.85	36.05	120.00	-6,645.32	-2,961.56	9,292.06	9,132.87	159.19	58.371		
20,100.00	7,001.00	8,552.00	7,245.47	317.34	36.05	120.00	-6,645.32	-2,961.56	9,391.85	9,232.60	159.24	58.977		
20,200.00	7,001.00	8,552.00	7,245.47	319.83	36.05	120.00	-6,645.32	-2,961.56	9,491.64	9,332.34	159.30	59.584		
20,300.00	7,001.00	8,552.00	7,245.47	322.32	36.05	120.00	-6,645.32	-2,961.56	9,591.44	9,432.09	159.35	60.190		
20,400.00	7,001.00	8,552.00	7,245.47	324.82	36.05	120.00	-6,645.32	-2,961.56	9,691.24	9,531.84	159.41	60.796		
20,500.00	7,001.00	8,552.00	7,245.47	327.32	36.05	120.00	-6,645.32	-2,961.56	9,791.05	9,631.59	159.46	61.402		
20,600.00	7,001.00	8,552.00	7,245.47	329.83	36.05	120.00	-6,645.32	-2,961.56	9,890.86	9,731.35	159.51	62.007		
20,700.00	7,001.00	8,552.00	7,245.47	332.34	36.05	120.00	-6,645.32	-2,961.56	9,990.68	9,831.11	159.56	62.613		
20,800.00	7,001.00	8,552.00	7,245.47	334.85	36.05	120.00	-6,645.32	-2,961.56	10,090.49	9,930.88	159.61	63.218		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 149-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	12,126.00	7,107.01	0.00	94.24	-141.59	-2,901.59	-2,300.82	8,065.38					
100.00	100.00	12,126.00	7,107.01	0.27	94.24	-141.59	-2,901.59	-2,300.82	7,976.68	7,927.20	49.47	161.228		
200.00	199.98	12,126.00	7,107.01	0.62	94.24	17.34	-2,901.59	-2,300.82	7,887.47	7,837.88	49.59	159.042		
300.00	299.84	12,126.00	7,107.01	0.97	94.24	18.65	-2,901.59	-2,300.82	7,797.05	7,747.30	49.75	156.736		
400.00	399.45	12,126.00	7,107.01	1.34	94.24	20.17	-2,901.59	-2,300.82	7,705.48	7,655.57	49.91	154.380		
500.00	498.70	12,126.00	7,107.01	1.74	94.24	21.94	-2,901.59	-2,300.82	7,612.83	7,562.74	50.09	151.984		
600.00	597.47	12,126.00	7,107.01	2.17	94.24	24.02	-2,901.59	-2,300.82	7,519.18	7,468.90	50.28	149.559		
700.00	695.62	12,126.00	7,107.01	2.62	94.24	26.51	-2,901.59	-2,300.82	7,424.60	7,374.13	50.47	147.110		
800.00	793.06	12,126.00	7,107.01	3.12	94.24	29.50	-2,901.59	-2,300.82	7,329.18	7,278.51	50.67	144.646		
900.00	889.64	12,126.00	7,107.01	3.65	94.24	33.16	-2,901.59	-2,300.82	7,233.00	7,182.12	50.87	142.172		
1,000.00	985.27	12,126.00	7,107.01	4.23	94.24	37.66	-2,901.59	-2,300.82	7,136.15	7,085.07	51.08	139.693		
1,100.00	1,079.82	12,126.00	7,107.01	4.85	94.24	43.27	-2,901.59	-2,300.82	7,038.73	6,987.43	51.30	137.213		
1,200.00	1,173.17	12,126.00	7,107.01	5.52	94.24	50.26	-2,901.59	-2,300.82	6,940.83	6,889.31	51.51	134.735		
1,300.00	1,265.21	12,126.00	7,107.01	6.24	94.24	58.93	-2,901.59	-2,300.82	6,842.55	6,790.81	51.73	132.264		
1,400.00	1,355.84	12,126.00	7,107.01	7.01	94.24	69.38	-2,901.59	-2,300.82	6,744.00	6,692.04	51.96	129.800		
1,500.00	1,444.94	12,126.00	7,107.01	7.82	94.24	81.29	-2,901.59	-2,300.82	6,645.29	6,593.10	52.18	127.346		
1,600.00	1,532.39	12,126.00	7,107.01	8.69	94.24	93.83	-2,901.59	-2,300.82	6,546.53	6,494.12	52.41	124.904		
1,700.00	1,618.11	12,126.00	7,107.01	9.61	94.24	105.83	-2,901.59	-2,300.82	6,447.85	6,395.20	52.65	122.473		
1,800.00	1,701.97	12,126.00	7,107.01	10.58	94.24	116.40	-2,901.59	-2,300.82	6,349.37	6,296.48	52.89	120.054		
1,900.00	1,783.88	12,126.00	7,107.01	11.59	94.24	125.19	-2,901.59	-2,300.82	6,251.22	6,198.08	53.14	117.646		
2,000.00	1,863.74	12,126.00	7,107.01	12.66	94.24	132.30	-2,901.59	-2,300.82	6,153.55	6,100.15	53.39	115.249		
2,100.00	1,941.45	12,126.00	7,107.01	13.77	94.24	137.98	-2,901.59	-2,300.82	6,056.49	6,002.83	53.66	112.861		
2,200.00	2,016.92	12,126.00	7,107.01	14.94	94.24	142.55	-2,901.59	-2,300.82	5,960.21	5,906.26	53.95	110.480		
2,300.00	2,090.05	12,126.00	7,107.01	16.14	94.24	146.24	-2,901.59	-2,300.82	5,864.85	5,810.60	54.25	108.104		
2,400.00	2,160.76	12,126.00	7,107.01	17.40	94.24	149.25	-2,901.59	-2,300.82	5,770.58	5,716.00	54.58	105.733		
2,500.00	2,228.95	12,126.00	7,107.01	18.69	94.24	151.75	-2,901.59	-2,300.82	5,677.58	5,622.65	54.93	103.365		
2,600.00	2,294.55	12,126.00	7,107.01	20.03	94.24	153.83	-2,901.59	-2,300.82	5,586.02	5,530.71	55.31	100.999		
2,700.00	2,357.48	12,126.00	7,107.01	21.41	94.24	155.59	-2,901.59	-2,300.82	5,496.09	5,440.37	55.72	98.637		
2,800.00	2,417.66	12,126.00	7,107.01	22.83	94.24	157.09	-2,901.59	-2,300.82	5,407.98	5,351.81	56.17	96.281		
2,900.00	2,475.32	12,126.00	7,107.01	24.29	94.24	157.80	-2,901.59	-2,300.82	5,321.72	5,265.06	56.65	93.932		
3,000.00	2,532.58	12,126.00	7,107.01	25.75	94.24	157.80	-2,901.59	-2,300.82	5,236.18	5,179.00	57.19	91.559		
3,100.00	2,589.83	12,126.00	7,107.01	27.22	94.24	157.80	-2,901.59	-2,300.82	5,151.17	5,093.42	57.76	89.189		
3,200.00	2,647.08	12,126.00	7,107.01	28.70	94.24	157.80	-2,901.59	-2,300.82	5,066.71	5,008.35	58.35	86.829		
3,300.00	2,704.33	12,126.00	7,107.01	30.17	94.24	157.80	-2,901.59	-2,300.82	4,982.82	4,923.84	58.98	84.483		
3,400.00	2,761.58	12,126.00	7,107.01	31.65	94.24	157.80	-2,901.59	-2,300.82	4,899.53	4,839.90	59.64	82.158		
3,500.00	2,818.84	12,126.00	7,107.01	33.13	94.24	157.80	-2,901.59	-2,300.82	4,816.88	4,756.57	60.32	79.857		
3,600.00	2,876.09	12,126.00	7,107.01	34.62	94.24	157.80	-2,901.59	-2,300.82	4,734.90	4,673.88	61.03	77.585		
3,700.00	2,933.34	12,126.00	7,107.01	36.10	94.24	157.80	-2,901.59	-2,300.82	4,653.63	4,591.86	61.76	75.344		
3,800.00	2,990.59	12,126.00	7,107.01	37.59	94.24	157.80	-2,901.59	-2,300.82	4,573.10	4,510.57	62.53	73.138		
3,900.00	3,047.84	12,126.00	7,107.01	39.08	94.24	157.80	-2,901.59	-2,300.82	4,493.35	4,430.03	63.31	70.969		
4,000.00	3,105.10	12,126.00	7,107.01	40.57	94.24	157.80	-2,901.59	-2,300.82	4,414.42	4,350.29	64.13	68.839		
4,100.00	3,162.35	12,126.00	7,107.01	42.06	94.24	157.80	-2,901.59	-2,300.82	4,336.36	4,271.40	64.96	66.750		
4,200.00	3,219.60	12,126.00	7,107.01	43.55	94.24	157.80	-2,901.59	-2,300.82	4,259.23	4,193.40	65.83	64.704		
4,300.00	3,276.85	12,126.00	7,107.01	45.05	94.24	157.80	-2,901.59	-2,300.82	4,183.06	4,116.34	66.71	62.704		
4,400.00	3,334.10	12,126.00	7,107.01	46.54	94.24	157.80	-2,901.59	-2,300.82	4,107.91	4,040.29	67.62	60.750		
4,500.00	3,391.35	12,126.00	7,107.01	48.03	94.24	157.80	-2,901.59	-2,300.82	4,033.84	3,965.29	68.55	58.843		
4,600.00	3,448.61	12,126.00	7,107.01	49.53	94.24	157.80	-2,901.59	-2,300.82	3,960.91	3,891.40	69.51	56.986		
4,700.00	3,505.86	12,126.00	7,107.01	51.03	94.24	157.80	-2,901.59	-2,300.82	3,889.18	3,818.70	70.48	55.180		
4,800.00	3,563.11	12,126.00	7,107.01	52.52	94.24	157.80	-2,901.59	-2,300.82	3,818.73	3,747.25	71.48	53.425		
4,900.00	3,620.36	12,126.00	7,107.01	54.02	94.24	157.80	-2,901.59	-2,300.82	3,749.62	3,677.13	72.49	51.723		
5,000.00	3,677.61	12,126.00	7,107.01	55.52	94.24	157.80	-2,901.59	-2,300.82	3,681.93	3,608.40	73.53	50.076		
5,100.00	3,734.87	12,126.00	7,107.01	57.02	94.24	157.80	-2,901.59	-2,300.82	3,615.73	3,541.16	74.58	48.484		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 149-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,792.12	12,126.00	7,107.01	58.51	94.24	157.80	-2,901.59	-2,300.82	3,551.12	3,475.49	75.64	46.948		
5,300.00	3,849.37	12,100.82	7,107.53	60.01	93.80	157.88	-2,926.77	-2,300.69	3,488.09	3,411.83	76.27	45.734		
5,400.00	3,906.62	12,033.24	7,109.00	61.51	92.65	158.12	-2,994.34	-2,300.44	3,425.57	3,349.42	76.15	44.984		
5,500.00	3,963.87	11,918.00	7,110.62	63.01	90.68	158.52	-3,109.56	-2,300.09	3,362.44	3,287.28	75.16	44.736		
5,600.00	4,021.13	11,759.00	7,111.06	64.51	87.97	159.12	-3,268.54	-2,299.22	3,298.90	3,225.59	73.31	45.000		
5,700.00	4,078.38	11,696.00	7,110.18	66.01	86.89	159.35	-3,331.54	-2,299.06	3,233.98	3,160.73	73.25	44.150		
5,800.00	4,135.63	11,650.80	7,109.98	67.51	86.13	159.53	-3,376.73	-2,298.96	3,169.72	3,096.19	73.54	43.105		
5,900.00	4,192.88	11,537.00	7,108.82	69.01	84.20	159.98	-3,490.53	-2,299.28	3,105.25	3,032.76	72.49	42.839		
6,000.00	4,250.13	11,486.15	7,108.01	70.51	83.34	160.18	-3,541.37	-2,299.73	3,040.63	2,967.96	72.68	41.838		
6,100.00	4,307.39	11,441.08	7,108.03	72.02	82.58	160.38	-3,586.44	-2,299.84	2,976.98	2,904.00	72.98	40.793		
6,200.00	4,364.64	11,315.00	7,106.20	73.52	80.45	160.93	-3,712.50	-2,300.27	2,911.99	2,840.37	71.62	40.659		
6,300.00	4,421.89	11,259.39	7,105.65	75.02	79.51	161.20	-3,768.11	-2,300.21	2,847.71	2,776.02	71.70	39.718		
6,400.00	4,479.14	11,207.25	7,105.52	76.52	78.64	161.46	-3,820.25	-2,300.05	2,784.03	2,712.18	71.85	38.747		
6,500.00	4,536.39	11,120.51	7,105.84	78.02	77.18	161.93	-3,906.98	-2,299.42	2,720.80	2,649.56	71.24	38.194		
6,600.00	4,593.64	11,075.57	7,106.02	79.52	76.42	162.18	-3,951.91	-2,299.10	2,657.72	2,586.17	71.55	37.145		
6,700.00	4,650.90	10,967.00	7,106.95	81.03	74.60	162.86	-4,060.45	-2,296.78	2,594.73	2,524.36	70.37	36.872		
6,800.00	4,708.15	10,919.37	7,107.19	82.53	73.81	163.17	-4,108.07	-2,295.93	2,531.74	2,461.13	70.61	35.853		
6,900.00	4,765.40	10,785.98	7,107.77	84.03	71.58	164.07	-4,241.44	-2,293.77	2,469.00	2,400.21	68.80	35.889		
7,000.00	4,822.65	10,701.23	7,106.18	85.53	70.18	164.68	-4,326.17	-2,292.37	2,404.44	2,336.32	68.12	35.295		
7,100.00	4,879.90	10,667.56	7,105.96	87.04	69.62	164.92	-4,359.83	-2,292.16	2,341.03	2,272.30	68.73	34.062		
7,200.00	4,937.16	10,583.02	7,105.80	88.54	68.23	165.52	-4,444.37	-2,292.69	2,278.43	2,210.34	68.09	33.462		
7,300.00	4,994.41	10,493.14	7,104.83	90.04	66.75	166.19	-4,534.24	-2,293.52	2,215.33	2,148.02	67.31	32.914		
7,400.00	5,051.66	10,441.78	7,104.09	91.54	65.91	166.56	-4,585.57	-2,294.88	2,152.43	2,084.90	67.53	31.874		
7,500.00	5,108.91	10,373.37	7,103.79	93.05	64.80	167.04	-4,653.92	-2,297.93	2,090.58	2,023.23	67.35	31.042		
7,600.00	5,166.16	10,300.70	7,103.69	94.55	63.63	167.56	-4,726.49	-2,301.68	2,029.19	1,962.12	67.07	30.255		
7,700.00	5,223.42	10,196.21	7,102.29	96.05	61.95	168.33	-4,830.79	-2,307.66	1,967.08	1,901.12	65.95	29.825		
7,800.00	5,280.67	10,110.00	7,100.13	97.56	60.58	169.00	-4,916.81	-2,313.01	1,904.30	1,838.99	65.31	29.158		
7,900.00	5,337.92	10,069.98	7,099.54	99.06	59.94	169.34	-4,956.77	-2,315.11	1,842.35	1,776.42	65.92	27.947		
8,000.00	5,395.17	10,014.61	7,099.93	100.56	59.06	169.84	-5,012.07	-2,317.85	1,782.07	1,715.94	66.13	26.949		
8,100.00	5,452.42	9,944.82	7,100.58	102.07	57.96	170.52	-5,081.77	-2,321.17	1,722.26	1,656.32	65.94	26.119		
8,200.00	5,509.68	9,854.64	7,102.02	103.57	56.54	171.48	-5,171.86	-2,325.03	1,663.19	1,598.04	65.15	25.527		
8,300.00	5,566.93	9,737.73	7,101.57	105.08	54.71	172.83	-5,288.67	-2,329.77	1,602.81	1,539.26	63.56	25.219		
8,400.00	5,624.18	9,666.00	7,100.08	106.58	53.59	173.73	-5,360.32	-2,332.70	1,541.41	1,478.07	63.34	24.335		
8,500.00	5,681.43	9,632.18	7,100.13	108.08	53.07	174.20	-5,394.13	-2,333.61	1,481.86	1,417.52	64.35	23.030		
8,600.00	5,738.68	9,556.45	7,101.22	109.59	51.90	175.33	-5,469.83	-2,335.42	1,423.73	1,359.63	64.10	22.210		
8,700.00	5,795.93	9,438.81	7,102.23	111.09	50.09	177.33	-5,587.45	-2,336.35	1,365.78	1,303.17	62.61	21.814		
8,800.00	5,853.19	9,330.48	7,099.49	112.60	48.45	179.38	-5,695.74	-2,337.37	1,305.58	1,244.01	61.57	21.206		
8,900.00	5,910.44	9,267.18	7,097.20	114.10	47.50	-179.26	-5,759.00	-2,337.20	1,245.27	1,183.17	62.10	20.053		
9,000.00	5,967.69	9,190.00	7,095.10	115.60	46.35	-177.45	-5,836.15	-2,336.59	1,186.39	1,123.94	62.45	18.997		
9,100.00	6,024.94	9,139.64	7,093.98	117.11	45.60	-176.18	-5,886.49	-2,336.06	1,128.83	1,065.00	63.84	17.683		
9,200.00	6,082.19	9,083.35	7,093.96	118.61	44.78	-174.72	-5,942.79	-2,336.15	1,073.87	1,008.54	65.33	16.437		
9,300.00	6,139.45	8,989.49	7,094.12	120.12	43.42	-172.06	-6,036.63	-2,336.14	1,020.33	953.99	66.34	15.380		
9,400.00	6,196.70	8,922.42	7,093.58	121.62	42.47	-170.00	-6,103.70	-2,336.42	967.40	898.91	68.49	14.124		
9,500.00	6,253.95	8,841.55	7,093.87	123.13	41.33	-167.33	-6,184.57	-2,337.16	916.88	845.89	70.99	12.916		
9,600.00	6,311.20	8,756.86	7,092.52	124.63	40.16	-164.26	-6,269.24	-2,338.09	866.65	792.40	74.26	11.671		
9,700.00	6,368.45	8,690.24	7,091.84	126.13	39.26	-161.57	-6,335.85	-2,337.85	819.42	740.80	78.63	10.422		
9,800.00	6,425.71	8,619.00	7,091.14	127.64	38.30	-158.43	-6,407.08	-2,336.80	775.27	691.32	83.95	9.235		
9,900.00	6,482.96	8,559.41	7,091.28	129.14	37.52	-155.60	-6,466.65	-2,335.29	735.59	645.47	90.12	8.163		
10,000.00	6,540.21	8,472.48	7,090.69	130.65	36.40	-151.14	-6,553.54	-2,332.71	699.40	601.67	97.73	7.157		
10,100.00	6,597.46	8,403.35	7,090.20	132.15	35.53	-147.32	-6,622.61	-2,329.90	668.42	562.49	105.93	6.310		
10,200.00	6,654.71	8,321.57	7,089.44	133.66	34.53	-142.58	-6,704.33	-2,326.90	642.69	527.53	115.16	5.581		
10,300.00	6,711.97	8,243.21	7,087.88	135.16	33.60	-137.81	-6,782.64	-2,324.47	622.27	497.65	124.61	4.994		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 149-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,769.19	8,163.04	7,085.85	136.67	32.69	-133.48	-6,862.76	-2,322.52	608.16	474.14	134.02	4.538		
10,438.66	6,790.90	8,137.40	7,085.14	137.27	32.40	-134.25	-6,888.38	-2,322.01	606.32	468.99	137.33	4.415 CC, ES		
10,500.00	6,824.05	8,103.95	7,084.52	138.22	32.04	-135.94	-6,921.80	-2,320.98	611.23	469.18	142.06	4.303		
10,600.00	6,873.81	8,041.87	7,084.52	139.81	31.38	-137.99	-6,983.87	-2,319.41	638.79	489.60	149.18	4.282 SF		
10,700.00	6,916.95	7,970.39	7,085.54	141.38	30.65	-138.87	-7,055.34	-2,318.98	687.75	532.45	155.30	4.429		
10,800.00	6,952.17	7,920.71	7,086.17	142.87	30.16	-140.88	-7,105.01	-2,319.10	755.07	596.21	158.86	4.753		
10,900.00	6,978.39	7,870.57	7,086.82	144.24	29.69	-142.52	-7,155.14	-2,319.87	836.30	674.68	161.62	5.174		
11,000.00	6,994.82	7,844.26	7,087.38	145.43	29.45	-147.94	-7,181.44	-2,320.54	927.38	764.53	162.85	5.695		
11,100.00	7,000.96	7,833.36	7,087.60	146.41	29.36	-167.42	-7,192.33	-2,320.83	1,024.46	861.07	163.39	6.270		
11,200.00	7,001.00	7,830.80	7,087.65	147.26	29.33	-170.33	-7,194.89	-2,320.89	1,123.51	959.88	163.64	6.866		
11,300.00	7,001.00	7,829.13	7,087.68	148.14	29.32	-169.69	-7,196.56	-2,320.94	1,222.72	1,058.93	163.80	7.465		
11,400.00	7,001.00	7,825.70	7,087.75	149.06	29.29	-168.39	-7,199.99	-2,321.03	1,322.05	1,158.06	163.99	8.062		
11,500.00	7,001.00	7,822.11	7,087.82	150.00	29.26	-167.04	-7,203.58	-2,321.12	1,421.46	1,257.31	164.16	8.659		
11,600.00	7,001.00	7,818.33	7,087.88	150.97	29.22	-165.63	-7,207.35	-2,321.23	1,520.95	1,356.64	164.31	9.257		
11,700.00	7,001.00	7,814.36	7,087.94	151.97	29.19	-164.17	-7,211.32	-2,321.34	1,620.49	1,456.04	164.45	9.854		
11,800.00	7,001.00	7,810.17	7,087.99	153.00	29.15	-162.66	-7,215.50	-2,321.46	1,720.08	1,555.50	164.58	10.451		
11,900.00	7,001.00	7,805.76	7,088.03	154.06	29.12	-161.09	-7,219.91	-2,321.59	1,819.71	1,655.00	164.71	11.048		
12,000.00	7,001.00	7,801.11	7,088.07	155.15	29.07	-159.47	-7,224.57	-2,321.73	1,919.37	1,754.53	164.83	11.644		
12,100.00	7,001.00	7,796.18	7,088.09	156.27	29.03	-157.79	-7,229.49	-2,321.88	2,019.05	1,854.10	164.96	12.240		
12,200.00	7,001.00	7,792.59	7,088.11	157.43	29.00	-156.58	-7,233.08	-2,321.99	2,118.76	1,953.73	165.04	12.838		
12,300.00	7,001.00	7,789.45	7,088.11	158.61	28.98	-155.55	-7,236.22	-2,322.09	2,218.49	2,053.39	165.10	13.437		
12,400.00	7,001.00	7,786.31	7,088.12	159.82	28.95	-154.53	-7,239.36	-2,322.19	2,318.24	2,153.08	165.17	14.036		
12,500.00	7,001.00	7,783.16	7,088.12	161.07	28.92	-153.53	-7,242.50	-2,322.29	2,418.01	2,252.79	165.23	14.634		
12,600.00	7,001.00	7,780.02	7,088.11	162.34	28.90	-152.54	-7,245.64	-2,322.39	2,517.79	2,352.51	165.29	15.233		
12,700.00	7,001.00	7,776.88	7,088.11	163.64	28.87	-151.58	-7,248.78	-2,322.49	2,617.59	2,452.25	165.34	15.831		
12,800.00	7,001.00	7,773.74	7,088.10	164.98	28.84	-150.62	-7,251.92	-2,322.59	2,717.40	2,552.00	165.40	16.429		
12,900.00	7,001.00	7,770.60	7,088.09	166.34	28.82	-149.69	-7,255.06	-2,322.69	2,817.21	2,651.76	165.45	17.027		
13,000.00	7,001.00	7,767.46	7,088.07	167.74	28.79	-148.77	-7,258.20	-2,322.79	2,917.04	2,751.53	165.51	17.625		
13,100.00	7,001.00	7,764.32	7,088.05	169.16	28.76	-147.87	-7,261.34	-2,322.88	3,016.87	2,851.32	165.56	18.222		
13,200.00	7,001.00	7,763.00	7,088.04	170.61	28.75	-147.50	-7,262.66	-2,322.93	3,116.72	2,951.15	165.57	18.824		
13,300.00	7,001.00	7,763.00	7,088.04	172.10	28.75	-147.50	-7,262.66	-2,322.93	3,216.57	3,051.01	165.56	19.429		
13,400.00	7,001.00	7,763.00	7,088.04	173.61	28.75	-147.50	-7,262.66	-2,322.93	3,316.43	3,150.89	165.54	20.034		
13,500.00	7,001.00	7,755.99	7,087.99	175.15	28.70	-145.56	-7,269.66	-2,323.14	3,416.29	3,250.61	165.68	20.620		
13,600.00	7,001.00	7,754.12	7,087.97	176.72	28.68	-145.06	-7,271.53	-2,323.20	3,516.16	3,350.46	165.70	21.220		
13,700.00	7,001.00	7,752.30	7,087.96	178.31	28.67	-144.57	-7,273.35	-2,323.25	3,616.04	3,450.31	165.73	21.819		
13,800.00	7,001.00	7,750.51	7,087.94	179.94	28.65	-144.10	-7,275.14	-2,323.31	3,715.92	3,550.16	165.75	22.418		
13,900.00	7,001.00	7,748.76	7,087.92	181.59	28.64	-143.65	-7,276.89	-2,323.36	3,815.80	3,650.03	165.78	23.018		
14,000.00	7,001.00	7,747.05	7,087.90	183.26	28.62	-143.21	-7,278.60	-2,323.41	3,915.69	3,749.89	165.80	23.617		
14,100.00	7,001.00	7,745.37	7,087.89	184.97	28.61	-142.78	-7,280.28	-2,323.46	4,015.59	3,849.77	165.82	24.216		
14,200.00	7,001.00	7,743.72	7,087.87	186.70	28.60	-142.37	-7,281.93	-2,323.50	4,115.49	3,949.64	165.85	24.815		
14,300.00	7,001.00	7,742.10	7,087.85	188.45	28.58	-141.97	-7,283.54	-2,323.55	4,215.39	4,049.52	165.87	25.414		
14,400.00	7,001.00	7,740.52	7,087.83	190.23	28.57	-141.58	-7,285.12	-2,323.59	4,315.30	4,149.40	165.89	26.012		
14,500.00	7,001.00	7,738.97	7,087.81	192.03	28.56	-141.20	-7,286.67	-2,323.64	4,415.21	4,249.29	165.92	26.611		
14,600.00	7,001.00	7,721.31	7,087.51	193.86	28.42	-137.14	-7,304.33	-2,324.15	4,515.12	4,348.87	166.25	27.159		
14,700.00	7,001.00	7,718.40	7,087.44	195.71	28.40	-136.52	-7,307.23	-2,324.24	4,615.02	4,448.73	166.29	27.752		
14,800.00	7,001.00	7,715.50	7,087.38	197.58	28.37	-135.91	-7,310.13	-2,324.33	4,714.93	4,548.59	166.34	28.345		
14,900.00	7,001.00	7,712.60	7,087.32	199.47	28.35	-135.31	-7,313.03	-2,324.41	4,814.84	4,648.46	166.39	28.938		
15,000.00	7,001.00	7,691.08	7,086.80	201.39	28.18	-131.20	-7,334.53	-2,325.11	4,914.75	4,747.97	166.78	29.468		
15,100.00	7,001.00	7,688.82	7,086.73	203.32	28.17	-130.79	-7,336.79	-2,325.19	5,014.66	4,847.84	166.81	30.061		
15,200.00	7,001.00	7,686.59	7,086.66	205.28	28.15	-130.40	-7,339.02	-2,325.26	5,114.56	4,947.71	166.85	30.654		
15,300.00	7,001.00	7,684.38	7,086.59	207.25	28.13	-130.02	-7,341.22	-2,325.34	5,214.47	5,047.59	166.88	31.246		
15,400.00	7,001.00	7,682.21	7,086.52	209.25	28.12	-129.65	-7,343.39	-2,325.41	5,314.38	5,147.46	166.92	31.839		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 149-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	7,001.00	7,680.06	7,086.46	211.26	28.10	-129.29	-7,345.54	-2,325.48	5,414.29	5,247.34	166.95	32.431		
15,600.00	7,001.00	7,677.94	7,086.39	213.30	28.08	-128.94	-7,347.65	-2,325.55	5,514.20	5,347.22	166.98	33.023		
15,700.00	7,001.00	7,675.85	7,086.32	215.35	28.07	-128.60	-7,349.75	-2,325.62	5,614.12	5,447.10	167.02	33.614		
15,800.00	7,001.00	7,673.78	7,086.25	217.42	28.05	-128.27	-7,351.81	-2,325.69	5,714.03	5,546.99	167.05	34.206		
15,900.00	7,001.00	7,671.74	7,086.18	219.50	28.04	-127.95	-7,353.85	-2,325.75	5,813.95	5,646.87	167.08	34.797		
16,000.00	7,001.00	7,669.72	7,086.11	221.60	28.02	-127.63	-7,355.86	-2,325.82	5,913.87	5,746.76	167.11	35.388		
16,100.00	7,001.00	7,663.00	7,085.86	223.72	27.97	-126.60	-7,362.58	-2,326.03	6,013.80	5,846.57	167.23	35.961		
16,200.00	7,001.00	7,663.00	7,085.86	225.85	27.97	-126.60	-7,362.58	-2,326.03	6,113.72	5,946.49	167.23	36.559		
16,300.00	7,001.00	7,647.65	7,085.26	228.00	27.86	-124.41	-7,377.91	-2,326.55	6,213.63	6,046.13	167.50	37.097		
16,400.00	7,001.00	7,631.00	7,084.61	230.16	27.74	-122.27	-7,394.54	-2,327.12	6,313.56	6,145.77	167.79	37.628		
16,500.00	7,001.00	7,631.00	7,084.61	232.34	27.74	-122.27	-7,394.54	-2,327.12	6,413.47	6,245.69	167.79	38.224		
16,600.00	7,001.00	7,631.00	7,084.61	234.53	27.74	-122.27	-7,394.54	-2,327.12	6,513.39	6,345.60	167.78	38.820		
16,700.00	7,001.00	7,631.00	7,084.61	236.73	27.74	-122.27	-7,394.54	-2,327.12	6,613.31	6,445.52	167.78	39.416		
16,800.00	7,001.00	7,631.00	7,084.61	238.95	27.74	-122.27	-7,394.54	-2,327.12	6,713.23	6,545.44	167.78	40.012		
16,900.00	7,001.00	7,631.00	7,084.61	241.18	27.74	-122.27	-7,394.54	-2,327.12	6,813.15	6,645.37	167.78	40.607		
17,000.00	7,001.00	7,631.00	7,084.61	243.42	27.74	-122.27	-7,394.54	-2,327.12	6,913.07	6,745.29	167.78	41.202		
17,100.00	7,001.00	7,631.00	7,084.61	245.67	27.74	-122.27	-7,394.54	-2,327.12	7,013.00	6,845.22	167.78	41.798		
17,200.00	7,001.00	7,620.16	7,084.14	247.93	27.67	-120.98	-7,405.35	-2,327.51	7,112.91	6,944.93	167.97	42.345		
17,300.00	7,001.00	7,619.07	7,084.10	250.21	27.66	-120.85	-7,406.45	-2,327.54	7,212.83	7,044.84	167.99	42.935		
17,400.00	7,001.00	7,618.00	7,084.05	252.50	27.65	-120.73	-7,407.52	-2,327.58	7,312.76	7,144.75	168.02	43.524		
17,500.00	7,001.00	7,616.94	7,084.00	254.79	27.65	-120.61	-7,408.57	-2,327.61	7,412.69	7,244.66	168.04	44.114		
17,600.00	7,001.00	7,615.91	7,083.96	257.10	27.64	-120.49	-7,409.60	-2,327.65	7,512.62	7,344.57	168.06	44.703		
17,700.00	7,001.00	7,614.89	7,083.91	259.42	27.63	-120.38	-7,410.62	-2,327.68	7,612.55	7,444.48	168.08	45.292		
17,800.00	7,001.00	7,613.89	7,083.87	261.74	27.63	-120.27	-7,411.62	-2,327.71	7,712.49	7,544.39	168.10	45.881		
17,900.00	7,001.00	7,612.91	7,083.82	264.08	27.62	-120.16	-7,412.59	-2,327.74	7,812.42	7,644.30	168.12	46.469		
18,000.00	7,001.00	7,611.95	7,083.78	266.42	27.61	-120.05	-7,413.56	-2,327.77	7,912.36	7,744.22	168.14	47.058		
18,100.00	7,001.00	7,611.00	7,083.74	268.78	27.61	-119.95	-7,414.50	-2,327.80	8,012.30	7,844.13	168.16	47.646		
18,200.00	7,001.00	7,610.07	7,083.70	271.14	27.60	-119.85	-7,415.43	-2,327.83	8,112.24	7,944.05	168.18	48.234		
18,300.00	7,001.00	7,599.00	7,083.18	273.51	27.52	-118.68	-7,426.49	-2,328.16	8,212.20	8,043.82	168.38	48.773		
18,400.00	7,001.00	7,599.00	7,083.18	275.89	27.52	-118.68	-7,426.49	-2,328.16	8,312.13	8,143.75	168.38	49.365		
18,500.00	7,001.00	7,599.00	7,083.18	278.27	27.52	-118.68	-7,426.49	-2,328.16	8,412.07	8,243.68	168.39	49.956		
18,600.00	7,001.00	7,599.00	7,083.18	280.67	27.52	-118.68	-7,426.49	-2,328.16	8,512.01	8,343.62	168.40	50.548		
18,700.00	7,001.00	7,599.00	7,083.18	283.07	27.52	-118.68	-7,426.49	-2,328.16	8,611.95	8,443.55	168.40	51.139		
18,800.00	7,001.00	7,599.00	7,083.18	285.48	27.52	-118.68	-7,426.49	-2,328.16	8,711.90	8,543.49	168.41	51.730		
18,900.00	7,001.00	7,599.00	7,083.18	287.89	27.52	-118.68	-7,426.49	-2,328.16	8,811.84	8,643.42	168.42	52.321		
19,000.00	7,001.00	7,599.00	7,083.18	290.31	27.52	-118.68	-7,426.49	-2,328.16	8,911.79	8,743.36	168.43	52.912		
19,100.00	7,001.00	7,599.00	7,083.18	292.74	27.52	-118.68	-7,426.49	-2,328.16	9,011.73	8,843.30	168.44	53.502		
19,200.00	7,001.00	7,599.00	7,083.18	295.17	27.52	-118.68	-7,426.49	-2,328.16	9,111.68	8,943.24	168.45	54.093		
19,300.00	7,001.00	7,599.00	7,083.18	297.61	27.52	-118.68	-7,426.49	-2,328.16	9,211.63	9,043.18	168.46	54.683		
19,400.00	7,001.00	7,599.00	7,083.18	300.06	27.52	-118.68	-7,426.49	-2,328.16	9,311.58	9,143.12	168.47	55.273		
19,500.00	7,001.00	7,599.00	7,083.18	302.51	27.52	-118.68	-7,426.49	-2,328.16	9,411.53	9,243.06	168.48	55.863		
19,600.00	7,001.00	7,599.00	7,083.18	304.97	27.52	-118.68	-7,426.49	-2,328.16	9,511.49	9,343.00	168.49	56.452		
19,700.00	7,001.00	7,599.00	7,083.18	307.43	27.52	-118.68	-7,426.49	-2,328.16	9,611.44	9,442.94	168.50	57.042		
19,800.00	7,001.00	7,599.00	7,083.18	309.90	27.52	-118.68	-7,426.49	-2,328.16	9,711.39	9,542.88	168.51	57.631		
19,900.00	7,001.00	7,599.00	7,083.18	312.38	27.52	-118.68	-7,426.49	-2,328.16	9,811.35	9,642.83	168.52	58.220		
20,000.00	7,001.00	7,592.25	7,082.88	314.85	27.48	-118.01	-7,433.23	-2,328.35	9,911.30	9,742.66	168.64	58.770		
20,100.00	7,001.00	7,590.82	7,082.82	317.34	27.47	-117.87	-7,434.65	-2,328.39	10,011.26	9,842.58	168.68	59.350		
20,200.00	7,001.00	7,589.41	7,082.76	319.83	27.46	-117.73	-7,436.06	-2,328.42	10,111.21	9,942.50	168.72	59.930		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	11,954.00	7,297.28	0.27	92.31	-151.33	-2,877.94	-1,573.57	7,933.12	7,888.56	44.56	178.029		
200.00	199.98	11,954.00	7,297.28	0.62	92.31	7.00	-2,877.94	-1,573.57	7,841.47	7,796.82	44.65	175.622		
300.00	299.84	11,954.00	7,297.28	0.97	92.31	7.63	-2,877.94	-1,573.57	7,748.67	7,703.91	44.76	173.098		
400.00	399.45	11,954.00	7,297.28	1.34	92.31	8.39	-2,877.94	-1,573.57	7,654.80	7,609.91	44.89	170.534		
500.00	498.70	11,954.00	7,297.28	1.74	92.31	9.31	-2,877.94	-1,573.57	7,559.93	7,514.92	45.01	167.944		
600.00	597.47	11,954.00	7,297.28	2.17	92.31	10.46	-2,877.94	-1,573.57	7,464.14	7,419.00	45.15	165.337		
700.00	695.62	11,954.00	7,297.28	2.62	92.31	11.92	-2,877.94	-1,573.57	7,367.52	7,322.24	45.28	162.722		
800.00	793.06	11,954.00	7,297.28	3.12	92.31	13.82	-2,877.94	-1,573.57	7,270.15	7,224.74	45.41	160.107		
900.00	889.64	11,954.00	7,297.28	3.65	92.31	16.41	-2,877.94	-1,573.57	7,172.12	7,126.58	45.54	157.500		
1,000.00	985.27	11,954.00	7,297.28	4.23	92.31	20.11	-2,877.94	-1,573.57	7,073.52	7,027.86	45.66	154.906		
1,100.00	1,079.82	11,954.00	7,297.28	4.85	92.31	25.76	-2,877.94	-1,573.57	6,974.47	6,928.68	45.78	152.332		
1,200.00	1,173.17	11,954.00	7,297.28	5.52	92.31	35.13	-2,877.94	-1,573.57	6,875.05	6,829.15	45.90	149.782		
1,300.00	1,265.21	11,954.00	7,297.28	6.24	92.31	52.12	-2,877.94	-1,573.57	6,775.37	6,729.36	46.01	147.260		
1,400.00	1,355.84	11,954.00	7,297.28	7.01	92.31	81.86	-2,877.94	-1,573.57	6,675.56	6,629.45	46.11	144.768		
1,500.00	1,444.94	11,954.00	7,297.28	7.82	92.31	115.76	-2,877.94	-1,573.57	6,575.73	6,529.52	46.21	142.311		
1,600.00	1,532.39	11,954.00	7,297.28	8.69	92.31	137.68	-2,877.94	-1,573.57	6,475.99	6,429.70	46.29	139.889		
1,700.00	1,618.11	11,954.00	7,297.28	9.61	92.31	149.58	-2,877.94	-1,573.57	6,376.49	6,330.11	46.37	137.502		
1,800.00	1,701.97	11,954.00	7,297.28	10.58	92.31	156.47	-2,877.94	-1,573.57	6,277.35	6,230.90	46.45	135.151		
1,900.00	1,783.88	11,954.00	7,297.28	11.59	92.31	160.84	-2,877.94	-1,573.57	6,178.72	6,132.20	46.52	132.832		
2,000.00	1,863.74	11,954.00	7,297.28	12.66	92.31	163.81	-2,877.94	-1,573.57	6,080.74	6,034.16	46.58	130.542		
2,100.00	1,941.45	11,954.00	7,297.28	13.77	92.31	165.96	-2,877.94	-1,573.57	5,983.57	5,936.92	46.65	128.276		
2,200.00	2,016.92	11,954.00	7,297.28	14.94	92.31	167.58	-2,877.94	-1,573.57	5,887.37	5,840.65	46.71	126.028		
2,300.00	2,090.05	11,954.00	7,297.28	16.14	92.31	168.83	-2,877.94	-1,573.57	5,792.30	5,745.51	46.79	123.788		
2,400.00	2,160.76	11,954.00	7,297.28	17.40	92.31	169.83	-2,877.94	-1,573.57	5,698.56	5,651.67	46.88	121.547		
2,500.00	2,228.95	11,954.00	7,297.28	18.69	92.31	170.64	-2,877.94	-1,573.57	5,606.30	5,559.31	46.99	119.296		
2,600.00	2,294.55	11,954.00	7,297.28	20.03	92.31	171.31	-2,877.94	-1,573.57	5,515.74	5,468.61	47.13	117.026		
2,700.00	2,357.48	11,954.00	7,297.28	21.41	92.31	171.87	-2,877.94	-1,573.57	5,427.06	5,379.76	47.30	114.730		
2,800.00	2,417.66	11,954.00	7,297.28	22.83	92.31	172.35	-2,877.94	-1,573.57	5,340.47	5,292.96	47.51	112.404		
2,900.00	2,475.32	11,954.00	7,297.28	24.29	92.31	172.57	-2,877.94	-1,573.57	5,255.98	5,208.21	47.76	110.045		
3,000.00	2,532.58	11,954.00	7,297.28	25.75	92.31	172.57	-2,877.94	-1,573.57	5,172.31	5,124.24	48.07	107.607		
3,100.00	2,589.83	11,954.00	7,297.28	27.22	92.31	172.57	-2,877.94	-1,573.57	5,089.23	5,040.83	48.40	105.142		
3,200.00	2,647.08	11,954.00	7,297.28	28.70	92.31	172.57	-2,877.94	-1,573.57	5,006.77	4,958.00	48.77	102.663		
3,300.00	2,704.33	11,954.00	7,297.28	30.17	92.31	172.57	-2,877.94	-1,573.57	4,924.96	4,875.80	49.16	100.178		
3,400.00	2,761.58	11,954.00	7,297.28	31.65	92.31	172.57	-2,877.94	-1,573.57	4,843.83	4,794.25	49.58	97.697		
3,500.00	2,818.84	11,954.00	7,297.28	33.13	92.31	172.57	-2,877.94	-1,573.57	4,763.43	4,713.40	50.02	95.225		
3,600.00	2,876.09	11,954.00	7,297.28	34.62	92.31	172.57	-2,877.94	-1,573.57	4,683.77	4,633.28	50.49	92.769		
3,700.00	2,933.34	11,954.00	7,297.28	36.10	92.31	172.57	-2,877.94	-1,573.57	4,604.91	4,553.94	50.98	90.334		
3,800.00	2,990.59	11,954.00	7,297.28	37.59	92.31	172.57	-2,877.94	-1,573.57	4,526.89	4,475.40	51.49	87.925		
3,900.00	3,047.84	11,954.00	7,297.28	39.08	92.31	172.57	-2,877.94	-1,573.57	4,449.74	4,397.72	52.02	85.545		
4,000.00	3,105.10	11,954.00	7,297.28	40.57	92.31	172.57	-2,877.94	-1,573.57	4,373.52	4,320.95	52.57	83.197		
4,100.00	3,162.35	11,954.00	7,297.28	42.06	92.31	172.57	-2,877.94	-1,573.57	4,298.28	4,245.13	53.14	80.885		
4,200.00	3,219.60	11,954.00	7,297.28	43.55	92.31	172.57	-2,877.94	-1,573.57	4,224.06	4,170.32	53.73	78.611		
4,300.00	3,276.85	11,954.00	7,297.28	45.05	92.31	172.57	-2,877.94	-1,573.57	4,150.92	4,096.58	54.35	76.378		
4,400.00	3,334.10	11,954.00	7,297.28	46.54	92.31	172.57	-2,877.94	-1,573.57	4,078.93	4,023.95	54.98	74.188		
4,500.00	3,391.35	11,954.00	7,297.28	48.03	92.31	172.57	-2,877.94	-1,573.57	4,008.13	3,952.50	55.64	72.043		
4,600.00	3,448.61	11,954.00	7,297.28	49.53	92.31	172.57	-2,877.94	-1,573.57	3,938.61	3,882.30	56.31	69.945		
4,700.00	3,505.86	11,954.00	7,297.28	51.03	92.31	172.57	-2,877.94	-1,573.57	3,870.42	3,813.41	57.00	67.897		
4,800.00	3,563.11	11,954.00	7,297.28	52.52	92.31	172.57	-2,877.94	-1,573.57	3,803.63	3,745.91	57.72	65.899		
4,900.00	3,620.36	11,954.00	7,297.28	54.02	92.31	172.57	-2,877.94	-1,573.57	3,738.33	3,679.87	58.45	63.954		
5,000.00	3,677.61	11,954.00	7,297.28	55.52	92.31	172.57	-2,877.94	-1,573.57	3,674.59	3,615.38	59.21	62.063		
5,100.00	3,734.87	11,954.00	7,297.28	57.02	92.31	172.57	-2,877.94	-1,573.57	3,612.49	3,552.51	59.98	60.228		
5,200.00	3,792.12	11,954.00	7,297.28	58.51	92.31	172.57	-2,877.94	-1,573.57	3,552.12	3,491.35	60.77	58.450		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,300.00	3,849.37	11,887.24	7,297.99	60.01	91.17	172.99	-2,944.70	-1,573.81	3,492.79	3,432.07	60.72	57.526		
5,400.00	3,906.62	11,822.55	7,299.07	61.51	90.06	173.40	-3,009.39	-1,573.91	3,434.05	3,373.35	60.70	56.573		
5,500.00	3,963.87	11,707.00	7,300.03	63.01	88.10	174.14	-3,124.91	-1,575.61	3,374.91	3,314.88	60.04	56.215		
5,600.00	4,021.13	11,615.05	7,300.26	64.51	86.56	174.69	-3,216.77	-1,579.45	3,315.78	3,256.08	59.70	55.540		
5,700.00	4,078.38	11,580.00	7,300.28	66.01	85.97	174.91	-3,251.79	-1,581.04	3,256.75	3,196.62	60.14	54.157		
5,800.00	4,135.63	11,541.53	7,300.93	67.51	85.33	175.15	-3,290.21	-1,582.90	3,199.01	3,138.46	60.55	52.835		
5,900.00	4,192.88	11,332.56	7,301.23	69.01	81.84	176.53	-3,498.94	-1,592.53	3,140.29	3,081.62	58.67	53.525		
6,000.00	4,250.13	11,232.00	7,298.30	70.51	80.16	177.23	-3,599.35	-1,597.06	3,079.25	3,020.99	58.26	52.853		
6,100.00	4,307.39	11,196.79	7,297.58	72.02	79.58	177.49	-3,634.52	-1,598.57	3,019.21	2,960.43	58.78	51.364		
6,200.00	4,364.64	11,153.05	7,297.06	73.52	78.85	177.82	-3,678.22	-1,600.29	2,960.13	2,900.92	59.21	49.991		
6,300.00	4,421.89	11,119.46	7,297.30	75.02	78.29	178.09	-3,711.80	-1,601.29	2,902.51	2,842.69	59.82	48.520		
6,400.00	4,479.14	11,018.90	7,298.38	76.52	76.61	178.95	-3,812.35	-1,602.42	2,845.55	2,786.03	59.53	47.803		
6,500.00	4,536.39	10,897.89	7,298.16	78.02	74.59	-179.93	-3,933.35	-1,602.92	2,787.97	2,728.98	58.99	47.265		
6,600.00	4,593.64	10,838.34	7,297.56	79.52	73.59	-179.35	-3,992.90	-1,602.63	2,730.05	2,670.69	59.36	45.994		
6,700.00	4,650.90	10,788.00	7,297.61	81.03	72.75	-178.83	-4,043.23	-1,601.97	2,673.25	2,613.34	59.91	44.621		
6,800.00	4,708.15	10,685.43	7,297.63	82.53	71.03	-177.71	-4,145.76	-1,599.33	2,616.96	2,557.15	59.82	43.750		
6,900.00	4,765.40	10,640.16	7,297.38	84.03	70.28	-177.18	-4,191.00	-1,597.74	2,560.79	2,500.22	60.57	42.276		
7,000.00	4,822.65	10,565.58	7,298.10	85.53	69.03	-176.30	-4,265.54	-1,595.44	2,506.13	2,445.12	61.01	41.076		
7,100.00	4,879.90	10,461.67	7,297.97	87.04	67.31	-175.07	-4,369.44	-1,593.90	2,451.08	2,389.94	61.14	40.091		
7,200.00	4,937.16	10,416.87	7,297.88	88.54	66.57	-174.51	-4,414.23	-1,593.03	2,396.62	2,334.49	62.13	38.577		
7,300.00	4,994.41	10,311.11	7,297.93	90.04	64.83	-173.11	-4,519.94	-1,589.77	2,343.04	2,280.57	62.47	37.508		
7,400.00	5,051.66	10,248.00	7,297.11	91.54	63.79	-172.23	-4,583.00	-1,587.51	2,289.16	2,225.71	63.45	36.078		
7,500.00	5,108.91	10,210.63	7,297.15	93.05	63.17	-171.70	-4,620.33	-1,585.88	2,237.16	2,172.33	64.84	34.505		
7,600.00	5,166.16	10,106.54	7,298.07	94.55	61.47	-170.15	-4,724.32	-1,581.41	2,186.52	2,120.90	65.62	33.320		
7,700.00	5,223.42	10,046.39	7,298.09	96.05	60.49	-169.22	-4,784.42	-1,578.82	2,136.02	2,069.00	67.01	31.874		
7,800.00	5,280.67	9,960.94	7,298.77	97.56	59.10	-167.85	-4,869.78	-1,575.04	2,087.03	2,018.71	68.31	30.551		
7,900.00	5,337.92	9,848.78	7,297.36	99.06	57.29	-165.96	-4,981.80	-1,569.85	2,037.40	1,967.80	69.60	29.274		
8,000.00	5,395.17	9,805.00	7,296.75	100.56	56.58	-165.18	-5,025.52	-1,567.60	1,988.96	1,917.36	71.60	27.779		
8,100.00	5,452.42	9,754.30	7,296.79	102.07	55.77	-164.28	-5,076.16	-1,565.25	1,942.64	1,868.97	73.67	26.368		
8,200.00	5,509.68	9,671.08	7,297.66	103.57	54.44	-162.76	-5,159.30	-1,561.67	1,898.16	1,822.46	75.69	25.077		
8,300.00	5,566.93	9,577.47	7,297.67	105.08	52.96	-160.98	-5,252.81	-1,557.51	1,854.24	1,776.36	77.88	23.808		
8,400.00	5,624.18	9,519.00	7,297.39	106.58	52.05	-159.84	-5,311.24	-1,555.26	1,811.29	1,730.88	80.40	22.527		
8,500.00	5,681.43	9,447.15	7,298.01	108.08	50.93	-158.40	-5,383.03	-1,552.44	1,770.68	1,687.64	83.03	21.325		
8,600.00	5,738.68	9,329.92	7,297.46	109.59	49.12	-155.96	-5,500.17	-1,548.01	1,730.74	1,644.95	85.79	20.174		
8,700.00	5,795.93	9,240.70	7,295.52	111.09	47.76	-153.99	-5,589.30	-1,544.29	1,691.49	1,602.60	88.89	19.030		
8,800.00	5,853.19	9,193.06	7,294.55	112.60	47.04	-152.92	-5,636.90	-1,542.81	1,653.83	1,561.71	92.12	17.953		
8,900.00	5,910.44	9,139.00	7,294.40	114.10	46.23	-151.70	-5,690.93	-1,541.00	1,619.28	1,523.83	95.45	16.964		
9,000.00	5,967.69	9,083.73	7,294.76	115.60	45.41	-150.43	-5,746.15	-1,539.01	1,587.51	1,488.64	98.88	16.055		
9,100.00	6,024.94	8,998.09	7,295.71	117.11	44.14	-148.40	-5,831.68	-1,534.69	1,558.79	1,456.22	102.57	15.197		
9,200.00	6,082.19	8,904.13	7,294.35	118.61	42.77	-146.06	-5,925.50	-1,529.87	1,530.74	1,424.21	106.53	14.369		
9,300.00	6,139.45	8,853.00	7,293.73	120.12	42.04	-144.76	-5,976.56	-1,527.12	1,505.64	1,395.36	110.29	13.652		
9,400.00	6,196.70	8,770.63	7,293.67	121.62	40.87	-142.66	-6,058.81	-1,522.73	1,483.79	1,369.49	114.30	12.981		
9,500.00	6,253.95	8,688.71	7,292.80	123.13	39.73	-140.50	-6,140.59	-1,518.13	1,464.32	1,345.92	118.40	12.368		
9,600.00	6,311.20	8,600.00	7,292.22	124.63	38.53	-138.19	-6,229.26	-1,515.46	1,446.50	1,324.02	122.48	11.810		
9,700.00	6,368.45	8,539.20	7,292.65	126.13	37.73	-136.61	-6,290.03	-1,513.85	1,432.09	1,305.91	126.18	11.349		
9,800.00	6,425.71	8,482.52	7,294.32	127.64	36.98	-135.15	-6,346.67	-1,512.40	1,421.55	1,291.89	129.67	10.963		
9,900.00	6,482.96	8,369.13	7,298.25	129.14	35.54	-132.25	-6,459.98	-1,510.60	1,413.71	1,280.01	133.70	10.574		
10,000.00	6,540.21	8,274.05	7,301.15	130.65	34.39	-129.83	-6,555.00	-1,511.40	1,406.80	1,269.42	137.38	10.240		
10,100.00	6,597.46	8,188.00	7,303.80	132.15	33.39	-127.65	-6,640.98	-1,513.57	1,401.50	1,260.68	140.82	9.952		
10,200.00	6,654.71	8,111.94	7,305.31	133.66	32.54	-125.68	-6,717.02	-1,514.79	1,399.18	1,255.14	144.04	9.714		
10,220.93	6,666.70	8,101.73	7,305.48	133.97	32.43	-125.42	-6,727.22	-1,514.92	1,399.08	1,254.47	144.61	9.675 CC		
10,300.00	6,711.97	8,036.52	7,306.34	135.16	31.73	-123.72	-6,792.42	-1,515.88	1,399.61	1,252.52	147.10	9.515		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,769.19	7,922.56	7,306.19	136.67	30.58	-121.50	-6,906.36	-1,517.28	1,402.98	1,252.34	150.64	9.314	ES	
10,500.00	6,824.05	7,822.41	7,304.00	138.22	29.65	-125.38	-7,006.44	-1,520.44	1,417.42	1,263.51	153.91	9.210		
10,600.00	6,873.81	7,712.00	7,295.26	139.81	28.71	-128.05	-7,116.30	-1,526.43	1,448.00	1,290.70	157.29	9.206	SF	
10,700.00	6,916.95	7,675.63	7,290.54	141.38	28.42	-132.27	-7,152.32	-1,527.82	1,497.90	1,338.76	159.14	9.412		
10,800.00	6,952.17	7,624.00	7,281.90	142.87	28.01	-135.28	-7,203.20	-1,528.87	1,564.67	1,403.73	160.93	9.722		
10,900.00	6,978.39	7,605.14	7,277.87	144.24	27.86	-139.70	-7,221.62	-1,529.08	1,644.84	1,483.05	161.79	10.167		
11,000.00	6,994.82	7,586.86	7,273.56	145.43	27.73	-145.90	-7,239.38	-1,529.09	1,735.08	1,572.65	162.43	10.682		
11,100.00	7,000.96	7,590.45	7,274.50	146.41	27.75	-164.75	-7,235.92	-1,529.09	1,831.57	1,669.05	162.52	11.270		
11,200.00	7,001.00	7,591.90	7,274.84	147.26	27.76	-168.14	-7,234.50	-1,529.09	1,930.23	1,767.61	162.62	11.870		
11,300.00	7,001.00	7,593.69	7,275.26	148.14	27.78	-168.47	-7,232.77	-1,529.10	2,029.02	1,866.33	162.69	12.472		
11,400.00	7,001.00	7,595.70	7,275.73	149.06	27.79	-168.85	-7,230.81	-1,529.11	2,127.93	1,965.19	162.74	13.076		
11,500.00	7,001.00	7,597.98	7,276.25	150.00	27.81	-169.27	-7,228.59	-1,529.12	2,226.93	2,064.16	162.77	13.681		
11,600.00	7,001.00	7,581.93	7,272.30	150.97	27.69	-166.27	-7,244.15	-1,529.08	2,326.00	2,162.87	163.14	14.258		
11,700.00	7,001.00	7,582.16	7,272.36	151.97	27.69	-166.32	-7,243.92	-1,529.08	2,425.17	2,261.98	163.18	14.862		
11,800.00	7,001.00	7,582.40	7,272.42	153.00	27.69	-166.36	-7,243.69	-1,529.08	2,524.40	2,361.18	163.22	15.466		
11,900.00	7,001.00	7,582.64	7,272.48	154.06	27.70	-166.40	-7,243.46	-1,529.08	2,623.69	2,460.43	163.26	16.071		
12,000.00	7,001.00	7,582.87	7,272.54	155.15	27.70	-166.45	-7,243.24	-1,529.08	2,723.03	2,559.74	163.29	16.676		
12,100.00	7,001.00	7,583.11	7,272.60	156.27	27.70	-166.49	-7,243.01	-1,529.08	2,822.42	2,659.11	163.31	17.282		
12,200.00	7,001.00	7,583.35	7,272.66	157.43	27.70	-166.54	-7,242.78	-1,529.09	2,921.85	2,758.51	163.34	17.888		
12,300.00	7,001.00	7,583.58	7,272.72	158.61	27.70	-166.58	-7,242.55	-1,529.09	3,021.32	2,857.96	163.36	18.495		
12,400.00	7,001.00	7,592.00	7,274.86	159.82	27.76	-168.15	-7,234.41	-1,529.09	3,120.83	2,957.59	163.24	19.118		
12,500.00	7,001.00	7,592.00	7,274.86	161.07	27.76	-168.15	-7,234.41	-1,529.09	3,220.36	3,057.10	163.26	19.725		
12,600.00	7,001.00	7,592.00	7,274.86	162.34	27.76	-168.15	-7,234.41	-1,529.09	3,319.92	3,156.64	163.28	20.333		
12,700.00	7,001.00	7,592.00	7,274.86	163.64	27.76	-168.15	-7,234.41	-1,529.09	3,419.51	3,256.21	163.30	20.940		
12,800.00	7,001.00	7,592.00	7,274.86	164.98	27.76	-168.15	-7,234.41	-1,529.09	3,519.12	3,355.81	163.31	21.548		
12,900.00	7,001.00	7,592.00	7,274.86	166.34	27.76	-168.15	-7,234.41	-1,529.09	3,618.75	3,455.42	163.33	22.156		
13,000.00	7,001.00	7,592.00	7,274.86	167.74	27.76	-168.15	-7,234.41	-1,529.09	3,718.40	3,555.06	163.34	22.765		
13,100.00	7,001.00	7,592.00	7,274.86	169.16	27.76	-168.15	-7,234.41	-1,529.09	3,818.07	3,654.71	163.36	23.373		
13,200.00	7,001.00	7,592.00	7,274.86	170.61	27.76	-168.15	-7,234.41	-1,529.09	3,917.75	3,754.39	163.37	23.981		
13,300.00	7,001.00	7,592.00	7,274.86	172.10	27.76	-168.15	-7,234.41	-1,529.09	4,017.46	3,854.08	163.38	24.590		
13,400.00	7,001.00	7,592.00	7,274.86	173.61	27.76	-168.15	-7,234.41	-1,529.09	4,117.17	3,953.78	163.39	25.198		
13,500.00	7,001.00	7,592.00	7,274.86	175.15	27.76	-168.15	-7,234.41	-1,529.09	4,216.90	4,053.50	163.40	25.807		
13,600.00	7,001.00	7,592.00	7,274.86	176.72	27.76	-168.15	-7,234.41	-1,529.09	4,316.64	4,153.23	163.41	26.415		
13,700.00	7,001.00	7,592.00	7,274.86	178.31	27.76	-168.15	-7,234.41	-1,529.09	4,416.40	4,252.97	163.42	27.024		
13,800.00	7,001.00	7,587.13	7,273.63	179.94	27.73	-167.25	-7,239.12	-1,529.09	4,516.16	4,352.65	163.51	27.621		
13,900.00	7,001.00	7,587.37	7,273.69	181.59	27.73	-167.29	-7,238.89	-1,529.09	4,615.93	4,452.42	163.51	28.230		
14,000.00	7,001.00	7,587.61	7,273.75	183.26	27.73	-167.33	-7,238.66	-1,529.09	4,715.72	4,552.20	163.52	28.839		
14,100.00	7,001.00	7,587.84	7,273.81	184.97	27.73	-167.38	-7,238.43	-1,529.09	4,815.51	4,651.98	163.53	29.448		
14,200.00	7,001.00	7,588.08	7,273.87	186.70	27.74	-167.42	-7,238.20	-1,529.09	4,915.31	4,751.78	163.53	30.057		
14,300.00	7,001.00	7,588.32	7,273.93	188.45	27.74	-167.47	-7,237.97	-1,529.09	5,015.12	4,851.58	163.54	30.666		
14,400.00	7,001.00	7,588.55	7,273.99	190.23	27.74	-167.51	-7,237.74	-1,529.09	5,114.94	4,951.39	163.55	31.275		
14,500.00	7,001.00	7,588.79	7,274.05	192.03	27.74	-167.56	-7,237.51	-1,529.09	5,214.76	5,051.21	163.55	31.884		
14,600.00	7,001.00	7,589.03	7,274.11	193.86	27.74	-167.60	-7,237.29	-1,529.09	5,314.59	5,151.03	163.56	32.493		
14,700.00	7,001.00	7,589.26	7,274.17	195.71	27.74	-167.64	-7,237.06	-1,529.09	5,414.43	5,250.86	163.57	33.102		
14,800.00	7,001.00	7,589.50	7,274.23	197.58	27.75	-167.69	-7,236.83	-1,529.09	5,514.27	5,350.70	163.57	33.711		
14,900.00	7,001.00	7,589.74	7,274.29	199.47	27.75	-167.73	-7,236.60	-1,529.09	5,614.12	5,450.54	163.58	34.320		
15,000.00	7,001.00	7,589.97	7,274.35	201.39	27.75	-167.78	-7,236.37	-1,529.09	5,713.98	5,550.39	163.59	34.929		
15,100.00	7,001.00	7,590.21	7,274.41	203.32	27.75	-167.82	-7,236.14	-1,529.09	5,813.83	5,650.24	163.60	35.538		
15,200.00	7,001.00	7,590.45	7,274.47	205.28	27.75	-167.86	-7,235.91	-1,529.09	5,913.70	5,750.09	163.60	36.146		
15,300.00	7,001.00	7,590.68	7,274.53	207.25	27.75	-167.91	-7,235.68	-1,529.09	6,013.57	5,849.95	163.61	36.755		
15,400.00	7,001.00	7,590.92	7,274.59	209.25	27.76	-167.95	-7,235.46	-1,529.09	6,113.44	5,949.82	163.62	37.364		
15,500.00	7,001.00	7,591.16	7,274.65	211.26	27.76	-168.00	-7,235.23	-1,529.09	6,213.31	6,049.69	163.63	37.972		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 12-T6N-R67W - SIMONSEN 1L-421 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 125-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,600.00	7,001.00	7,591.39	7,274.71	213.30	27.76	-168.04	-7,235.00	-1,529.09	6,313.19	6,149.56	163.64	38.581	
15,700.00	7,001.00	7,591.63	7,274.77	215.35	27.76	-168.09	-7,234.77	-1,529.09	6,413.08	6,249.43	163.64	39.189	
15,800.00	7,001.00	7,591.87	7,274.83	217.42	27.76	-168.13	-7,234.54	-1,529.09	6,512.97	6,349.31	163.65	39.797	
15,900.00	7,001.00	7,592.00	7,274.86	219.50	27.76	-168.15	-7,234.41	-1,529.09	6,612.86	6,449.19	163.66	40.405	
16,000.00	7,001.00	7,592.00	7,274.86	221.60	27.76	-168.15	-7,234.41	-1,529.09	6,712.75	6,549.08	163.68	41.012	
16,100.00	7,001.00	7,592.00	7,274.86	223.72	27.76	-168.15	-7,234.41	-1,529.09	6,812.65	6,648.96	163.69	41.620	
16,200.00	7,001.00	7,592.00	7,274.86	225.85	27.76	-168.15	-7,234.41	-1,529.09	6,912.55	6,748.85	163.70	42.227	
16,300.00	7,001.00	7,592.00	7,274.86	228.00	27.76	-168.15	-7,234.41	-1,529.09	7,012.45	6,848.74	163.71	42.834	
16,400.00	7,001.00	7,592.00	7,274.86	230.16	27.76	-168.15	-7,234.41	-1,529.09	7,112.36	6,948.63	163.73	43.440	
16,500.00	7,001.00	7,592.00	7,274.86	232.34	27.76	-168.15	-7,234.41	-1,529.09	7,212.27	7,048.53	163.74	44.047	
16,600.00	7,001.00	7,592.00	7,274.86	234.53	27.76	-168.15	-7,234.41	-1,529.09	7,312.18	7,148.42	163.75	44.654	
16,700.00	7,001.00	7,592.00	7,274.86	236.73	27.76	-168.15	-7,234.41	-1,529.09	7,412.09	7,248.32	163.77	45.260	
16,800.00	7,001.00	7,592.00	7,274.86	238.95	27.76	-168.15	-7,234.41	-1,529.09	7,512.01	7,348.23	163.78	45.866	
16,900.00	7,001.00	7,592.00	7,274.86	241.18	27.76	-168.15	-7,234.41	-1,529.09	7,611.92	7,448.13	163.80	46.472	
17,000.00	7,001.00	7,592.00	7,274.86	243.42	27.76	-168.15	-7,234.41	-1,529.09	7,711.84	7,548.04	163.81	47.078	
17,100.00	7,001.00	7,592.00	7,274.86	245.67	27.76	-168.15	-7,234.41	-1,529.09	7,811.77	7,647.94	163.82	47.684	
17,200.00	7,001.00	7,592.00	7,274.86	247.93	27.76	-168.15	-7,234.41	-1,529.09	7,911.69	7,747.85	163.84	48.290	
17,300.00	7,001.00	7,592.00	7,274.86	250.21	27.76	-168.15	-7,234.41	-1,529.09	8,011.62	7,847.76	163.85	48.895	
17,400.00	7,001.00	7,592.00	7,274.86	252.50	27.76	-168.15	-7,234.41	-1,529.09	8,111.54	7,947.68	163.87	49.501	
17,500.00	7,001.00	7,592.00	7,274.86	254.79	27.76	-168.15	-7,234.41	-1,529.09	8,211.47	8,047.59	163.88	50.106	
17,600.00	7,001.00	7,592.00	7,274.86	257.10	27.76	-168.15	-7,234.41	-1,529.09	8,311.40	8,147.51	163.90	50.711	
17,700.00	7,001.00	7,592.00	7,274.86	259.42	27.76	-168.15	-7,234.41	-1,529.09	8,411.34	8,247.42	163.91	51.316	
17,800.00	7,001.00	7,592.00	7,274.86	261.74	27.76	-168.15	-7,234.41	-1,529.09	8,511.27	8,347.34	163.93	51.920	
17,900.00	7,001.00	7,592.00	7,274.86	264.08	27.76	-168.15	-7,234.41	-1,529.09	8,611.21	8,447.26	163.95	52.525	
18,000.00	7,001.00	7,592.00	7,274.86	266.42	27.76	-168.15	-7,234.41	-1,529.09	8,711.15	8,547.18	163.96	53.129	
18,100.00	7,001.00	7,592.00	7,274.86	268.78	27.76	-168.15	-7,234.41	-1,529.09	8,811.08	8,647.11	163.98	53.733	
18,200.00	7,001.00	7,592.00	7,274.86	271.14	27.76	-168.15	-7,234.41	-1,529.09	8,911.02	8,747.03	163.99	54.337	
18,300.00	7,001.00	7,592.00	7,274.86	273.51	27.76	-168.15	-7,234.41	-1,529.09	9,010.97	8,846.95	164.01	54.941	
18,400.00	7,001.00	7,592.00	7,274.86	275.89	27.76	-168.15	-7,234.41	-1,529.09	9,110.91	8,946.88	164.03	55.545	
18,500.00	7,001.00	7,592.00	7,274.86	278.27	27.76	-168.15	-7,234.41	-1,529.09	9,210.85	9,046.81	164.05	56.148	
18,600.00	7,001.00	7,592.00	7,274.86	280.67	27.76	-168.15	-7,234.41	-1,529.09	9,310.80	9,146.74	164.06	56.751	
18,700.00	7,001.00	7,592.00	7,274.86	283.07	27.76	-168.15	-7,234.41	-1,529.09	9,410.74	9,246.66	164.08	57.354	
18,800.00	7,001.00	7,592.00	7,274.86	285.48	27.76	-168.15	-7,234.41	-1,529.09	9,510.69	9,346.59	164.10	57.957	
18,900.00	7,001.00	7,592.00	7,274.86	287.89	27.76	-168.15	-7,234.41	-1,529.09	9,610.64	9,446.52	164.12	58.560	
19,000.00	7,001.00	7,592.00	7,274.86	290.31	27.76	-168.15	-7,234.41	-1,529.09	9,710.59	9,546.46	164.13	59.163	
19,100.00	7,001.00	7,592.00	7,274.86	292.74	27.76	-168.15	-7,234.41	-1,529.09	9,810.54	9,646.39	164.15	59.765	
19,200.00	7,001.00	7,592.00	7,274.86	295.17	27.76	-168.15	-7,234.41	-1,529.09	9,910.49	9,746.32	164.17	60.367	
19,300.00	7,001.00	7,592.00	7,274.86	297.61	27.76	-168.15	-7,234.41	-1,529.09	10,010.45	9,846.26	164.19	60.969	
19,400.00	7,001.00	7,592.00	7,274.86	300.06	27.76	-168.15	-7,234.41	-1,529.09	10,110.40	9,946.19	164.21	61.571	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 152-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	11,813.00	7,128.31	0.00	92.16	-164.31	-2,880.81	-809.05	7,755.78					
100.00	100.00	11,813.00	7,128.31	0.27	92.16	-164.31	-2,880.81	-809.05	7,663.62	7,621.65	41.97	182.603		
200.00	199.98	11,813.00	7,128.31	0.62	92.16	-7.10	-2,880.81	-809.05	7,570.99	7,529.01	41.98	180.337		
300.00	299.84	11,813.00	7,128.31	0.97	92.16	-7.80	-2,880.81	-809.05	7,477.28	7,435.26	42.02	177.940		
400.00	399.45	11,813.00	7,128.31	1.34	92.16	-8.65	-2,880.81	-809.05	7,382.56	7,340.49	42.07	175.492		
500.00	498.70	11,813.00	7,128.31	1.74	92.16	-9.69	-2,880.81	-809.05	7,286.91	7,244.79	42.12	173.004		
600.00	597.47	11,813.00	7,128.31	2.17	92.16	-11.01	-2,880.81	-809.05	7,190.41	7,148.24	42.18	170.487		
700.00	695.62	11,813.00	7,128.31	2.62	92.16	-12.74	-2,880.81	-809.05	7,093.16	7,050.92	42.23	167.948		
800.00	793.06	11,813.00	7,128.31	3.12	92.16	-15.06	-2,880.81	-809.05	6,995.23	6,952.93	42.29	165.397		
900.00	889.64	11,813.00	7,128.31	3.65	92.16	-18.36	-2,880.81	-809.05	6,896.71	6,854.36	42.35	162.839		
1,000.00	985.27	11,813.00	7,128.31	4.23	92.16	-23.35	-2,880.81	-809.05	6,797.72	6,755.31	42.41	160.282		
1,100.00	1,079.82	11,813.00	7,128.31	4.85	92.16	-31.56	-2,880.81	-809.05	6,698.35	6,655.88	42.47	157.729		
1,200.00	1,173.17	11,813.00	7,128.31	5.52	92.16	-46.54	-2,880.81	-809.05	6,598.70	6,556.18	42.52	155.186		
1,300.00	1,265.21	11,813.00	7,128.31	6.24	92.16	-74.56	-2,880.81	-809.05	6,498.89	6,456.32	42.57	152.657		
1,400.00	1,355.84	11,813.00	7,128.31	7.01	92.16	-111.06	-2,880.81	-809.05	6,399.03	6,356.41	42.62	150.143		
1,500.00	1,444.94	11,813.00	7,128.31	7.82	92.16	-136.01	-2,880.81	-809.05	6,299.26	6,256.59	42.66	147.646		
1,600.00	1,532.39	11,813.00	7,128.31	8.69	92.16	-149.16	-2,880.81	-809.05	6,199.68	6,156.97	42.71	145.167		
1,700.00	1,618.11	11,813.00	7,128.31	9.61	92.16	-156.52	-2,880.81	-809.05	6,100.45	6,057.70	42.75	142.705		
1,800.00	1,701.97	11,813.00	7,128.31	10.58	92.16	-161.07	-2,880.81	-809.05	6,001.69	5,958.90	42.79	140.257		
1,900.00	1,783.88	11,813.00	7,128.31	11.59	92.16	-164.12	-2,880.81	-809.05	5,903.57	5,860.73	42.84	137.819		
2,000.00	1,863.74	11,813.00	7,128.31	12.66	92.16	-166.30	-2,880.81	-809.05	5,806.22	5,763.34	42.89	135.384		
2,100.00	1,941.45	11,813.00	7,128.31	13.77	92.16	-167.92	-2,880.81	-809.05	5,709.82	5,666.87	42.95	132.945		
2,200.00	2,016.92	11,813.00	7,128.31	14.94	92.16	-169.17	-2,880.81	-809.05	5,614.54	5,571.51	43.03	130.492		
2,300.00	2,090.05	11,813.00	7,128.31	16.14	92.16	-170.16	-2,880.81	-809.05	5,520.54	5,477.41	43.12	128.014		
2,400.00	2,160.76	11,813.00	7,128.31	17.40	92.16	-170.96	-2,880.81	-809.05	5,428.01	5,384.76	43.25	125.500		
2,500.00	2,228.95	11,813.00	7,128.31	18.69	92.16	-171.62	-2,880.81	-809.05	5,337.15	5,293.74	43.41	122.940		
2,600.00	2,294.55	11,813.00	7,128.31	20.03	92.16	-172.17	-2,880.81	-809.05	5,248.16	5,204.55	43.62	120.326		
2,700.00	2,357.48	11,813.00	7,128.31	21.41	92.16	-172.63	-2,880.81	-809.05	5,161.24	5,117.38	43.87	117.655		
2,800.00	2,417.66	11,813.00	7,128.31	22.83	92.16	-173.03	-2,880.81	-809.05	5,076.62	5,032.44	44.17	114.925		
2,900.00	2,475.32	11,813.00	7,128.31	24.29	92.16	-173.22	-2,880.81	-809.05	4,994.28	4,949.75	44.53	112.143		
3,000.00	2,532.58	11,813.00	7,128.31	25.75	92.16	-173.22	-2,880.81	-809.05	4,912.89	4,867.94	44.96	109.280		
3,100.00	2,589.83	11,813.00	7,128.31	27.22	92.16	-173.22	-2,880.81	-809.05	4,832.20	4,786.79	45.42	106.400		
3,200.00	2,647.08	11,813.00	7,128.31	28.70	92.16	-173.22	-2,880.81	-809.05	4,752.25	4,706.34	45.91	103.516		
3,300.00	2,704.33	11,813.00	7,128.31	30.17	92.16	-173.22	-2,880.81	-809.05	4,673.07	4,626.63	46.43	100.638		
3,400.00	2,761.58	11,813.00	7,128.31	31.65	92.16	-173.22	-2,880.81	-809.05	4,594.69	4,547.70	46.99	97.777		
3,500.00	2,818.84	11,813.00	7,128.31	33.13	92.16	-173.22	-2,880.81	-809.05	4,517.18	4,469.60	47.58	94.940		
3,600.00	2,876.09	11,813.00	7,128.31	34.62	92.16	-173.22	-2,880.81	-809.05	4,440.56	4,392.36	48.20	92.134		
3,700.00	2,933.34	11,813.00	7,128.31	36.10	92.16	-173.22	-2,880.81	-809.05	4,364.89	4,316.04	48.84	89.363		
3,800.00	2,990.59	11,813.00	7,128.31	37.59	92.16	-173.22	-2,880.81	-809.05	4,290.21	4,240.69	49.52	86.634		
3,900.00	3,047.84	11,813.00	7,128.31	39.08	92.16	-173.22	-2,880.81	-809.05	4,216.58	4,166.36	50.23	83.949		
4,000.00	3,105.10	11,813.00	7,128.31	40.57	92.16	-173.22	-2,880.81	-809.05	4,144.06	4,093.10	50.96	81.314		
4,100.00	3,162.35	11,813.00	7,128.31	42.06	92.16	-173.22	-2,880.81	-809.05	4,072.71	4,020.98	51.73	78.731		
4,200.00	3,219.60	11,813.00	7,128.31	43.55	92.16	-173.22	-2,880.81	-809.05	4,002.57	3,950.05	52.53	76.203		
4,300.00	3,276.85	11,813.00	7,128.31	45.05	92.16	-173.22	-2,880.81	-809.05	3,933.74	3,880.38	53.35	73.733		
4,400.00	3,334.10	11,813.00	7,128.31	46.54	92.16	-173.22	-2,880.81	-809.05	3,866.26	3,812.05	54.21	71.323		
4,500.00	3,391.35	11,813.00	7,128.31	48.03	92.16	-173.22	-2,880.81	-809.05	3,800.21	3,745.12	55.09	68.976		
4,600.00	3,448.61	11,813.00	7,128.31	49.53	92.16	-173.22	-2,880.81	-809.05	3,735.68	3,679.67	56.01	66.694		
4,700.00	3,505.86	11,813.00	7,128.31	51.03	92.16	-173.22	-2,880.81	-809.05	3,672.73	3,615.77	56.96	64.479		
4,800.00	3,563.11	11,813.00	7,128.31	52.52	92.16	-173.22	-2,880.81	-809.05	3,611.46	3,553.52	57.94	62.332		
4,900.00	3,620.36	11,813.00	7,128.31	54.02	92.16	-173.22	-2,880.81	-809.05	3,551.95	3,493.00	58.95	60.256		
5,000.00	3,677.61	11,813.00	7,128.31	55.52	92.16	-173.22	-2,880.81	-809.05	3,494.28	3,434.29	59.98	58.253		
5,100.00	3,734.87	11,813.00	7,128.31	57.02	92.16	-173.22	-2,880.81	-809.05	3,438.56	3,377.50	61.05	56.323		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 152-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,792.12	11,813.00	7,128.31	58.51	92.16	-173.22	-2,880.81	-809.05	3,384.87	3,322.72	62.14	54.469		
5,300.00	3,849.37	11,776.66	7,129.07	60.01	91.54	-172.89	-2,917.14	-808.67	3,333.12	3,270.20	62.92	52.971		
5,400.00	3,906.62	11,646.97	7,130.22	61.51	89.31	-171.66	-3,046.75	-804.82	3,281.27	3,218.36	62.91	52.155		
5,500.00	3,963.87	11,560.16	7,130.73	63.01	87.83	-170.85	-3,133.56	-805.12	3,229.42	3,166.09	63.32	51.000		
5,600.00	4,021.13	11,465.55	7,131.02	64.51	86.23	-169.97	-3,228.16	-806.64	3,177.67	3,113.97	63.70	49.884		
5,700.00	4,078.38	11,401.86	7,131.21	66.01	85.15	-169.36	-3,291.83	-807.79	3,126.32	3,061.90	64.42	48.528		
5,800.00	4,135.63	11,324.14	7,131.63	67.51	83.83	-168.62	-3,369.52	-810.10	3,075.50	3,010.44	65.06	47.272		
5,900.00	4,192.88	11,215.83	7,131.95	69.01	82.01	-167.57	-3,477.73	-814.49	3,024.82	2,959.36	65.46	46.208		
6,000.00	4,250.13	11,129.00	7,131.61	70.51	80.56	-166.73	-3,564.44	-819.19	2,973.86	2,907.75	66.11	44.984		
6,100.00	4,307.39	11,077.58	7,131.80	72.02	79.70	-166.22	-3,615.75	-822.51	2,923.82	2,856.68	67.14	43.550		
6,200.00	4,364.64	11,006.87	7,132.53	73.52	78.52	-165.52	-3,686.30	-827.11	2,874.76	2,806.72	68.04	42.250		
6,300.00	4,421.89	10,966.00	7,133.22	75.02	77.84	-165.11	-3,727.08	-829.73	2,826.76	2,757.48	69.28	40.801		
6,400.00	4,479.14	10,832.32	7,135.14	76.52	75.62	-163.68	-3,860.56	-836.70	2,779.49	2,709.71	69.79	39.829		
6,500.00	4,536.39	10,765.05	7,135.72	78.02	74.50	-162.96	-3,927.67	-841.23	2,731.89	2,660.96	70.93	38.517		
6,600.00	4,593.64	10,646.43	7,135.98	79.52	72.55	-161.63	-4,046.04	-848.90	2,684.53	2,612.82	71.71	37.437		
6,700.00	4,650.90	10,572.31	7,135.83	81.03	71.33	-160.78	-4,119.94	-854.58	2,637.16	2,564.23	72.94	36.156		
6,800.00	4,708.15	10,505.24	7,135.27	82.53	70.23	-159.97	-4,186.89	-858.46	2,590.48	2,516.13	74.35	34.843		
6,900.00	4,765.40	10,442.04	7,134.25	84.03	69.18	-159.12	-4,250.07	-859.18	2,545.12	2,469.16	75.96	33.506		
7,000.00	4,822.65	10,395.00	7,133.65	85.53	68.41	-158.47	-4,297.10	-858.95	2,501.32	2,423.54	77.77	32.162		
7,100.00	4,879.90	10,332.00	7,132.97	87.04	67.36	-157.56	-4,360.09	-857.82	2,459.04	2,379.43	79.61	30.889		
7,200.00	4,937.16	10,236.00	7,131.60	88.54	65.77	-156.10	-4,456.01	-854.34	2,418.31	2,336.85	81.46	29.686		
7,300.00	4,994.41	10,202.92	7,130.82	90.04	65.23	-155.58	-4,489.03	-852.62	2,378.49	2,294.84	83.64	28.437		
7,400.00	5,051.66	10,156.87	7,130.29	91.54	64.47	-154.84	-4,535.02	-850.20	2,340.89	2,255.05	85.85	27.269		
7,500.00	5,108.91	10,047.00	7,130.62	93.05	62.66	-153.09	-4,644.77	-845.48	2,305.49	2,217.51	87.98	26.204		
7,600.00	5,166.16	9,980.18	7,129.77	94.55	61.57	-151.98	-4,711.49	-841.88	2,270.54	2,180.19	90.34	25.132		
7,700.00	5,223.42	9,889.00	7,128.25	96.05	60.09	-150.43	-4,802.55	-837.41	2,236.73	2,143.95	92.78	24.108		
7,800.00	5,280.67	9,848.50	7,127.55	97.56	59.43	-149.73	-4,842.98	-835.32	2,204.55	2,109.26	95.30	23.133		
7,900.00	5,337.92	9,742.42	7,126.41	99.06	57.72	-147.87	-4,948.89	-829.36	2,174.84	2,076.91	97.93	22.207		
8,000.00	5,395.17	9,652.49	7,125.40	100.56	56.28	-146.30	-5,038.76	-826.61	2,145.57	2,045.00	100.57	21.335		
8,100.00	5,452.42	9,572.00	7,125.18	102.07	55.00	-144.92	-5,119.25	-826.80	2,116.97	2,013.81	103.17	20.520		
8,200.00	5,509.68	9,541.00	7,125.50	103.57	54.51	-144.38	-5,150.24	-826.39	2,091.23	1,985.43	105.80	19.766		
8,300.00	5,566.93	9,433.64	7,126.17	105.08	52.83	-142.48	-5,257.59	-825.52	2,066.96	1,958.43	108.53	19.046		
8,400.00	5,624.18	9,372.84	7,126.24	106.58	51.88	-141.38	-5,318.38	-824.34	2,044.76	1,933.50	111.26	18.378		
8,500.00	5,681.43	9,258.47	7,126.44	108.08	50.11	-139.29	-5,432.74	-823.06	2,024.34	1,910.23	114.12	17.739		
8,600.00	5,738.68	9,183.52	7,126.61	109.59	48.97	-137.92	-5,507.68	-824.01	2,004.38	1,887.52	116.86	17.152		
8,700.00	5,795.93	9,117.02	7,126.07	111.09	47.96	-136.68	-5,574.18	-823.79	1,986.66	1,867.02	119.63	16.606		
8,800.00	5,853.19	9,054.58	7,125.60	112.60	47.02	-135.49	-5,636.61	-823.17	1,971.37	1,849.00	122.37	16.110		
8,900.00	5,910.44	8,979.21	7,125.51	114.10	45.90	-134.04	-5,711.97	-821.94	1,958.86	1,833.73	125.13	15.655		
9,000.00	5,967.69	8,906.00	7,125.60	115.60	44.82	-132.65	-5,785.18	-821.68	1,947.85	1,820.04	127.80	15.241		
9,100.00	6,024.94	8,832.34	7,126.21	117.11	43.74	-131.24	-5,858.83	-820.80	1,939.76	1,809.34	130.43	14.872		
9,200.00	6,082.19	8,792.52	7,126.52	118.61	43.17	-130.47	-5,898.64	-820.38	1,933.91	1,801.16	132.76	14.567		
9,300.00	6,139.45	8,720.54	7,127.28	120.12	42.13	-129.08	-5,970.58	-818.23	1,931.41	1,796.20	135.21	14.284		
9,366.90	6,177.75	8,671.37	7,128.36	121.12	41.44	-128.14	-6,019.74	-817.38	1,930.74	1,793.95	136.79	14.115 CC		
9,400.00	6,196.70	8,652.00	7,128.86	121.62	41.16	-127.77	-6,039.09	-816.85	1,931.00	1,793.49	137.51	14.042		
9,500.00	6,253.95	8,562.87	7,131.40	123.13	39.92	-126.08	-6,128.16	-815.04	1,932.93	1,793.06	139.87	13.819 ES		
9,600.00	6,311.20	8,493.00	7,133.22	124.63	38.96	-124.76	-6,198.01	-814.58	1,935.99	1,794.02	141.97	13.637		
9,700.00	6,368.45	8,445.08	7,133.96	126.13	38.32	-123.84	-6,245.89	-813.00	1,942.57	1,798.81	143.76	13.512		
9,800.00	6,425.71	8,355.04	7,134.81	127.64	37.13	-122.09	-6,335.86	-809.42	1,951.63	1,805.74	145.89	13.377		
9,900.00	6,482.96	8,313.56	7,135.04	129.14	36.60	-121.29	-6,377.29	-807.51	1,963.20	1,815.86	147.34	13.324		
10,000.00	6,540.21	8,239.00	7,135.76	130.65	35.66	-119.85	-6,451.74	-803.62	1,977.47	1,828.42	149.05	13.267		
10,100.00	6,597.46	8,143.43	7,136.74	132.15	34.48	-118.03	-6,547.20	-799.21	1,993.40	1,842.48	150.92	13.209		
10,200.00	6,654.71	8,041.16	7,137.25	133.66	33.28	-116.11	-6,649.41	-795.83	2,010.25	1,857.48	152.77	13.158		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 152-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,711.97	7,899.00	7,137.62	135.16	31.71	-113.48	-6,791.52	-792.98	2,028.64	1,873.61	155.03	13.085 SF		
10,400.00	6,769.19	7,824.82	7,137.79	136.67	30.94	-112.96	-6,865.70	-793.04	2,047.13	1,890.77	156.37	13.092		
10,500.00	6,824.05	7,793.05	7,137.09	138.22	30.62	-119.12	-6,897.46	-792.58	2,078.30	1,921.22	157.08	13.231		
10,600.00	6,873.81	7,691.41	7,132.60	139.81	29.64	-123.01	-6,998.98	-790.73	2,127.24	1,968.52	158.72	13.402		
10,700.00	6,916.95	7,665.67	7,131.22	141.38	29.40	-127.76	-7,024.68	-790.38	2,191.52	2,032.30	159.23	13.764		
10,800.00	6,952.17	7,633.26	7,129.20	142.87	29.11	-131.85	-7,057.01	-789.52	2,269.51	2,109.75	159.76	14.206		
10,900.00	6,978.39	7,597.13	7,126.87	144.24	28.80	-135.87	-7,093.06	-788.60	2,357.66	2,197.34	160.32	14.706		
11,000.00	6,994.82	7,585.50	7,126.07	145.43	28.70	-144.25	-7,104.65	-788.30	2,452.83	2,292.33	160.50	15.283		
11,100.00	7,000.96	7,582.91	7,125.89	146.41	28.68	168.74	-7,107.24	-788.23	2,551.78	2,391.22	160.55	15.894		
11,200.00	7,001.00	7,584.45	7,126.00	147.26	28.69	156.21	-7,105.70	-788.28	2,651.57	2,491.01	160.56	16.514		
11,300.00	7,001.00	7,585.97	7,126.11	148.14	28.71	155.75	-7,104.19	-788.32	2,751.38	2,590.82	160.57	17.135		
11,400.00	7,001.00	7,594.00	7,126.66	149.06	28.77	153.37	-7,096.18	-788.52	2,851.22	2,690.75	160.47	17.767		
11,500.00	7,001.00	7,594.00	7,126.66	150.00	28.77	153.37	-7,096.18	-788.52	2,951.05	2,790.54	160.50	18.386		
11,600.00	7,001.00	7,594.00	7,126.66	150.97	28.77	153.37	-7,096.18	-788.52	3,050.88	2,890.36	160.53	19.006		
11,700.00	7,001.00	7,594.00	7,126.66	151.97	28.77	153.37	-7,096.18	-788.52	3,150.73	2,990.18	160.55	19.625		
11,800.00	7,001.00	7,594.00	7,126.66	153.00	28.77	153.37	-7,096.18	-788.52	3,250.59	3,090.02	160.57	20.244		
11,900.00	7,001.00	7,594.08	7,126.66	154.06	28.77	153.35	-7,096.10	-788.53	3,350.46	3,189.86	160.59	20.863		
12,000.00	7,001.00	7,597.40	7,126.89	155.15	28.80	152.40	-7,092.79	-788.61	3,450.33	3,289.76	160.57	21.488		
12,100.00	7,001.00	7,600.77	7,127.11	156.27	28.83	151.46	-7,089.42	-788.69	3,550.20	3,389.66	160.54	22.114		
12,200.00	7,001.00	7,604.19	7,127.34	157.43	28.86	150.52	-7,086.01	-788.77	3,650.09	3,489.57	160.52	22.740		
12,300.00	7,001.00	7,607.66	7,127.57	158.61	28.89	149.58	-7,082.55	-788.86	3,749.97	3,589.48	160.49	23.366		
12,400.00	7,001.00	7,611.19	7,127.80	159.82	28.92	148.65	-7,079.03	-788.95	3,849.86	3,689.40	160.46	23.993		
12,500.00	7,001.00	7,614.77	7,128.03	161.07	28.95	147.73	-7,075.46	-789.04	3,949.75	3,789.32	160.43	24.620		
12,600.00	7,001.00	7,618.40	7,128.27	162.34	28.98	146.82	-7,071.84	-789.13	4,049.65	3,889.25	160.40	25.247		
12,700.00	7,001.00	7,622.08	7,128.50	163.64	29.01	145.92	-7,068.17	-789.23	4,149.55	3,989.17	160.37	25.874		
12,800.00	7,001.00	7,625.82	7,128.74	164.98	29.05	145.02	-7,064.43	-789.33	4,249.45	4,089.10	160.34	26.502		
12,900.00	7,001.00	7,629.62	7,128.97	166.34	29.08	144.13	-7,060.64	-789.43	4,349.35	4,189.04	160.31	27.131		
13,000.00	7,001.00	7,633.19	7,129.20	167.74	29.11	143.31	-7,057.08	-789.52	4,449.25	4,288.97	160.29	27.758		
13,100.00	7,001.00	7,636.97	7,129.44	169.16	29.15	142.47	-7,053.31	-789.62	4,549.16	4,388.90	160.26	28.387		
13,200.00	7,001.00	7,640.81	7,129.68	170.61	29.18	141.64	-7,049.48	-789.72	4,649.07	4,488.84	160.23	29.015		
13,300.00	7,001.00	7,644.70	7,129.92	172.10	29.21	140.81	-7,045.60	-789.83	4,748.98	4,588.78	160.20	29.645		
13,400.00	7,001.00	7,648.66	7,130.17	173.61	29.25	140.00	-7,041.65	-789.94	4,848.89	4,688.72	160.17	30.274		
13,500.00	7,001.00	7,652.68	7,130.42	175.15	29.29	139.19	-7,037.64	-790.05	4,948.80	4,788.66	160.13	30.904		
13,600.00	7,001.00	7,656.76	7,130.68	176.72	29.32	138.39	-7,033.57	-790.16	5,048.71	4,888.61	160.10	31.534		
13,700.00	7,001.00	7,660.90	7,130.94	178.31	29.36	137.61	-7,029.43	-790.28	5,148.63	4,988.56	160.07	32.165		
13,800.00	7,001.00	7,665.00	7,130.63	179.94	29.31	138.54	-7,034.33	-790.14	5,248.55	5,088.40	160.15	32.773		
13,900.00	7,001.00	7,665.00	7,130.63	181.59	29.31	138.54	-7,034.33	-790.14	5,348.47	5,188.30	160.17	33.393		
14,000.00	7,001.00	7,665.00	7,130.63	183.26	29.31	138.54	-7,034.33	-790.14	5,448.39	5,288.21	160.19	34.013		
14,100.00	7,001.00	7,665.00	7,130.63	184.97	29.31	138.54	-7,034.33	-790.14	5,548.32	5,388.12	160.21	34.633		
14,200.00	7,001.00	7,665.00	7,130.63	186.70	29.31	138.54	-7,034.33	-790.14	5,648.25	5,488.03	160.22	35.252		
14,300.00	7,001.00	7,665.00	7,130.63	188.45	29.31	138.54	-7,034.33	-790.14	5,748.19	5,587.94	160.24	35.872		
14,400.00	7,001.00	7,665.00	7,130.63	190.23	29.31	138.54	-7,034.33	-790.14	5,848.12	5,687.86	160.26	36.491		
14,500.00	7,001.00	7,665.00	7,130.63	192.03	29.31	138.54	-7,034.33	-790.14	5,948.06	5,787.78	160.28	37.111		
14,600.00	7,001.00	7,665.00	7,130.63	193.86	29.31	138.54	-7,034.33	-790.14	6,048.00	5,887.70	160.30	37.730		
14,700.00	7,001.00	7,665.00	7,130.63	195.71	29.31	138.54	-7,034.33	-790.14	6,147.94	5,987.62	160.31	38.349		
14,800.00	7,001.00	7,665.00	7,130.63	197.58	29.31	138.54	-7,034.33	-790.14	6,247.88	6,087.55	160.33	38.968		
14,900.00	7,001.00	7,665.00	7,130.63	199.47	29.31	138.54	-7,034.33	-790.14	6,347.83	6,187.48	160.35	39.587		
15,000.00	7,001.00	7,665.00	7,130.63	201.39	29.31	138.54	-7,034.33	-790.14	6,447.77	6,287.41	160.37	40.206		
15,100.00	7,001.00	7,665.00	7,130.63	203.32	29.31	138.54	-7,034.33	-790.14	6,547.72	6,387.34	160.39	40.825		
15,200.00	7,001.00	7,665.00	7,130.63	205.28	29.31	138.54	-7,034.33	-790.14	6,647.67	6,487.27	160.40	41.443		
15,300.00	7,001.00	7,665.00	7,130.63	207.25	29.31	138.54	-7,034.33	-790.14	6,747.62	6,587.20	160.42	42.062		
15,400.00	7,001.00	7,665.00	7,130.63	209.25	29.31	138.54	-7,034.33	-790.14	6,847.57	6,687.14	160.44	42.680		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 152-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	7,001.00	7,656.00	7,130.63	211.26	29.31	138.54	-7,034.33	-790.14	6,947.53	6,787.07	160.46	43.298		
15,600.00	7,001.00	7,656.00	7,130.63	213.30	29.31	138.54	-7,034.33	-790.14	7,047.48	6,887.01	160.48	43.916		
15,700.00	7,001.00	7,656.00	7,130.63	215.35	29.31	138.54	-7,034.33	-790.14	7,147.44	6,986.95	160.49	44.534		
15,800.00	7,001.00	7,656.00	7,130.63	217.42	29.31	138.54	-7,034.33	-790.14	7,247.40	7,086.89	160.51	45.152		
15,900.00	7,001.00	7,656.00	7,130.63	219.50	29.31	138.54	-7,034.33	-790.14	7,347.36	7,186.83	160.53	45.769		
16,000.00	7,001.00	7,668.50	7,131.39	221.60	29.43	136.21	-7,021.85	-790.44	7,447.26	7,286.85	160.41	46.427		
16,100.00	7,001.00	7,668.87	7,131.41	223.72	29.43	136.15	-7,021.48	-790.45	7,547.22	7,386.79	160.42	47.045		
16,200.00	7,001.00	7,669.24	7,131.43	225.85	29.43	136.08	-7,021.12	-790.45	7,647.17	7,486.74	160.44	47.664		
16,300.00	7,001.00	7,669.59	7,131.45	228.00	29.44	136.02	-7,020.76	-790.46	7,747.13	7,586.68	160.45	48.283		
16,400.00	7,001.00	7,669.94	7,131.47	230.16	29.44	135.96	-7,020.41	-790.47	7,847.09	7,686.63	160.47	48.901		
16,500.00	7,001.00	7,670.28	7,131.49	232.34	29.44	135.90	-7,020.07	-790.47	7,947.06	7,786.57	160.48	49.519		
16,600.00	7,001.00	7,670.62	7,131.51	234.53	29.45	135.84	-7,019.74	-790.48	8,047.02	7,886.52	160.50	50.137		
16,700.00	7,001.00	7,670.94	7,131.53	236.73	29.45	135.78	-7,019.41	-790.48	8,146.98	7,986.47	160.52	50.755		
16,800.00	7,001.00	7,671.27	7,131.54	238.95	29.45	135.72	-7,019.09	-790.49	8,246.95	8,086.41	160.53	51.373		
16,900.00	7,001.00	7,671.58	7,131.56	241.18	29.46	135.67	-7,018.78	-790.50	8,346.91	8,186.36	160.55	51.990		
17,000.00	7,001.00	7,671.89	7,131.58	243.42	29.46	135.61	-7,018.47	-790.50	8,446.88	8,286.31	160.56	52.607		
17,100.00	7,001.00	7,672.19	7,131.60	245.67	29.46	135.56	-7,018.17	-790.51	8,546.84	8,386.26	160.58	53.224		
17,200.00	7,001.00	7,672.48	7,131.61	247.93	29.46	135.51	-7,017.88	-790.51	8,646.81	8,486.21	160.60	53.841		
17,300.00	7,001.00	7,672.77	7,131.63	250.21	29.47	135.46	-7,017.59	-790.52	8,746.78	8,586.16	160.61	54.458		
17,400.00	7,001.00	7,673.06	7,131.64	252.50	29.47	135.41	-7,017.30	-790.52	8,846.75	8,686.11	160.63	55.075		
17,500.00	7,001.00	7,686.00	7,132.33	254.79	29.59	133.25	-7,004.38	-790.69	8,946.77	8,786.26	160.51	55.739		
17,600.00	7,001.00	7,686.00	7,132.33	257.10	29.59	133.25	-7,004.38	-790.69	9,046.74	8,886.21	160.53	56.354		
17,700.00	7,001.00	7,686.00	7,132.33	259.42	29.59	133.25	-7,004.38	-790.69	9,146.71	8,986.15	160.55	56.970		
17,800.00	7,001.00	7,686.00	7,132.33	261.74	29.59	133.25	-7,004.38	-790.69	9,246.68	9,086.10	160.58	57.585		
17,900.00	7,001.00	7,686.00	7,132.33	264.08	29.59	133.25	-7,004.38	-790.69	9,346.65	9,186.05	160.60	58.200		
18,000.00	7,001.00	7,686.00	7,132.33	266.42	29.59	133.25	-7,004.38	-790.69	9,446.62	9,286.00	160.62	58.814		
18,100.00	7,001.00	7,686.00	7,132.33	268.78	29.59	133.25	-7,004.38	-790.69	9,546.59	9,385.95	160.64	59.429		
18,200.00	7,001.00	7,686.00	7,132.33	271.14	29.59	133.25	-7,004.38	-790.69	9,646.56	9,485.90	160.66	60.043		
18,300.00	7,001.00	7,686.00	7,132.33	273.51	29.59	133.25	-7,004.38	-790.69	9,746.53	9,585.85	160.68	60.657		
18,400.00	7,001.00	7,686.00	7,132.33	275.89	29.59	133.25	-7,004.38	-790.69	9,846.50	9,685.80	160.70	61.271		
18,500.00	7,001.00	7,686.00	7,132.33	278.27	29.59	133.25	-7,004.38	-790.69	9,946.47	9,785.75	160.73	61.885		
18,600.00	7,001.00	7,686.00	7,132.33	280.67	29.59	133.25	-7,004.38	-790.69	10,046.45	9,885.70	160.75	62.498		
18,700.00	7,001.00	7,686.00	7,132.33	283.07	29.59	133.25	-7,004.38	-790.69	10,146.42	9,985.65	160.77	63.112		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	12.00	12.00	0.00	0.02	-95.26	-217.01	-2,357.82	2,367.78					
100.00	100.00	112.00	112.00	0.27	0.19	-95.26	-217.01	-2,357.82	2,367.78	2,367.32	0.46	5,120.318		
200.00	199.98	211.98	211.98	0.62	0.55	62.58	-217.01	-2,357.82	2,366.98	2,365.81	1.17	2,027.871		
300.00	299.84	311.84	311.84	0.97	0.91	62.74	-217.01	-2,357.82	2,364.57	2,362.69	1.88	1,257.975		
400.00	399.45	411.45	411.45	1.34	1.27	63.00	-217.01	-2,357.82	2,360.59	2,357.98	2.61	904.731		
500.00	498.70	510.70	510.70	1.74	1.62	63.36	-217.01	-2,357.82	2,355.05	2,351.70	3.36	701.585		
600.00	597.47	609.47	609.47	2.17	1.98	63.82	-217.01	-2,357.82	2,348.03	2,343.90	4.13	569.069		
700.00	695.62	707.62	707.62	2.62	2.33	64.39	-217.01	-2,357.82	2,339.57	2,334.65	4.92	475.412		
800.00	793.06	805.06	805.06	3.12	2.68	65.06	-217.01	-2,357.82	2,329.76	2,324.01	5.75	405.466		
900.00	889.64	901.64	901.64	3.65	3.02	65.82	-217.01	-2,357.82	2,318.69	2,312.08	6.60	351.103		
1,000.00	985.27	997.27	997.27	4.23	3.37	66.69	-217.01	-2,357.82	2,306.47	2,298.97	7.50	307.572		
1,100.00	1,079.82	1,091.82	1,091.82	4.85	3.71	67.65	-217.01	-2,357.82	2,293.23	2,284.79	8.43	271.908		
1,200.00	1,173.17	1,185.17	1,185.17	5.52	4.04	68.70	-217.01	-2,357.82	2,279.10	2,269.68	9.41	242.164		
1,300.00	1,265.21	1,277.21	1,277.21	6.24	4.37	69.84	-217.01	-2,357.82	2,264.24	2,253.80	10.43	217.004		
1,400.00	1,355.84	1,367.84	1,367.84	7.01	4.70	71.06	-217.01	-2,357.82	2,248.82	2,237.31	11.50	195.482		
1,500.00	1,444.94	1,456.94	1,456.94	7.82	5.01	72.36	-217.01	-2,357.82	2,233.03	2,220.40	12.62	176.904		
1,600.00	1,532.39	1,544.39	1,544.39	8.69	5.33	73.72	-217.01	-2,357.82	2,217.07	2,203.28	13.79	160.751		
1,700.00	1,618.11	1,630.11	1,630.11	9.61	5.64	75.15	-217.01	-2,357.82	2,201.15	2,186.14	15.01	146.625		
1,800.00	1,701.97	1,713.97	1,713.97	10.58	5.94	76.63	-217.01	-2,357.82	2,185.52	2,169.24	16.28	134.216		
1,900.00	1,783.88	1,795.88	1,795.88	11.59	6.23	78.15	-217.01	-2,357.82	2,170.42	2,152.81	17.61	123.276		
2,000.00	1,863.74	1,875.74	1,875.74	12.66	6.52	79.69	-217.01	-2,357.82	2,156.09	2,137.11	18.98	113.606		
2,100.00	1,941.45	1,953.45	1,953.45	13.77	6.79	81.26	-217.01	-2,357.82	2,142.82	2,122.42	20.40	105.044		
2,200.00	2,016.92	2,028.92	2,028.92	14.94	7.07	82.82	-217.01	-2,357.82	2,130.88	2,109.01	21.87	97.455		
2,300.00	2,090.05	2,102.05	2,102.05	16.14	7.33	84.37	-217.01	-2,357.82	2,120.54	2,097.17	23.37	90.729		
2,400.00	2,160.76	2,172.76	2,172.76	17.40	7.58	85.89	-217.01	-2,357.82	2,112.10	2,087.18	24.92	84.769		
2,500.00	2,228.95	2,240.95	2,240.95	18.69	7.83	87.37	-217.01	-2,357.82	2,105.83	2,079.34	26.49	79.495		
2,600.00	2,294.55	2,306.55	2,306.55	20.03	8.06	88.79	-217.01	-2,357.82	2,102.01	2,073.92	28.09	74.838		
2,688.63	2,350.46	2,362.46	2,362.46	21.26	8.26	90.00	-217.01	-2,357.82	2,100.88	2,071.36	29.52	71.173 CC		
2,700.00	2,357.48	2,369.48	2,369.48	21.41	8.29	90.15	-217.01	-2,357.82	2,100.90	2,071.20	29.70	70.738 ES		
2,800.00	2,417.66	2,429.66	2,429.66	22.83	8.50	91.42	-217.01	-2,357.82	2,102.76	2,071.44	31.32	67.142		
2,900.00	2,475.32	2,487.32	2,487.32	24.29	8.71	92.66	-217.01	-2,357.82	2,107.79	2,074.86	32.93	64.011		
3,000.00	2,532.58	2,544.58	2,544.58	25.75	8.91	93.94	-217.01	-2,357.82	2,116.00	2,081.49	34.51	61.312		
3,100.00	2,589.83	2,601.83	2,601.83	27.22	9.12	95.21	-217.01	-2,357.82	2,127.34	2,091.29	36.06	58.998		
3,200.00	2,647.08	2,659.08	2,659.08	28.70	9.32	96.48	-217.01	-2,357.82	2,141.77	2,104.20	37.56	57.022		
3,300.00	2,704.33	2,716.33	2,716.33	30.17	9.53	97.74	-217.01	-2,357.82	2,159.21	2,120.19	39.02	55.342		
3,400.00	2,761.58	2,773.58	2,773.58	31.65	9.73	98.99	-217.01	-2,357.82	2,179.59	2,139.17	40.42	53.922		
3,500.00	2,818.84	2,830.84	2,830.84	33.13	9.94	100.23	-217.01	-2,357.82	2,202.85	2,161.07	41.77	52.733		
3,600.00	2,876.09	2,888.09	2,888.09	34.62	10.15	101.47	-217.01	-2,357.82	2,228.88	2,185.80	43.07	51.748		
3,700.00	2,933.34	2,945.34	2,945.34	36.10	10.35	102.69	-217.01	-2,357.82	2,257.58	2,213.27	44.32	50.944		
3,800.00	2,990.59	3,002.59	3,002.59	37.59	10.56	103.90	-217.01	-2,357.82	2,288.87	2,243.36	45.50	50.300		
3,900.00	3,047.84	3,059.84	3,059.84	39.08	10.76	105.10	-217.01	-2,357.82	2,322.63	2,275.99	46.64	49.799		
4,000.00	3,105.10	3,117.10	3,117.10	40.57	10.97	106.29	-217.01	-2,357.82	2,358.75	2,311.03	47.72	49.427		
4,100.00	3,162.35	3,174.35	3,174.35	42.06	11.17	107.46	-217.01	-2,357.82	2,397.14	2,348.39	48.75	49.168		
4,200.00	3,219.60	3,231.60	3,231.60	43.55	11.38	108.62	-217.01	-2,357.82	2,437.68	2,387.95	49.74	49.012		
4,300.00	3,276.85	3,288.85	3,288.85	45.05	11.58	109.76	-217.01	-2,357.82	2,480.28	2,429.60	50.67	48.947 SF		
4,400.00	3,334.10	3,346.10	3,346.10	46.54	11.79	110.89	-217.01	-2,357.82	2,524.81	2,473.25	51.56	48.964		
4,500.00	3,391.35	3,403.35	3,403.35	48.03	11.99	112.00	-217.01	-2,357.82	2,571.19	2,518.78	52.41	49.055		
4,600.00	3,448.61	3,460.61	3,460.61	49.53	12.20	113.09	-217.01	-2,357.82	2,619.32	2,566.09	53.23	49.211		
4,700.00	3,505.86	3,517.86	3,517.86	51.03	12.40	114.16	-217.01	-2,357.82	2,669.09	2,615.09	54.00	49.427		
4,800.00	3,563.11	3,575.11	3,575.11	52.52	12.61	115.22	-217.01	-2,357.82	2,720.43	2,665.69	54.74	49.695		
4,900.00	3,620.36	3,632.36	3,632.36	54.02	12.81	116.26	-217.01	-2,357.82	2,773.24	2,717.79	55.45	50.011		
5,000.00	3,677.61	3,689.61	3,689.61	55.52	13.02	117.28	-217.01	-2,357.82	2,827.44	2,771.31	56.13	50.369		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	3,734.87	3,746.87	3,746.87	57.02	13.22	118.28	-217.01	-2,357.82	2,882.96	2,826.17	56.79	50.765		
5,200.00	3,792.12	3,804.12	3,804.12	58.51	13.43	119.26	-217.01	-2,357.82	2,939.71	2,882.29	57.42	51.195		
5,300.00	3,849.37	3,861.37	3,861.37	60.01	13.63	120.23	-217.01	-2,357.82	2,997.63	2,939.60	58.03	51.655		
5,400.00	3,906.62	3,918.62	3,918.62	61.51	13.84	121.18	-217.01	-2,357.82	3,056.66	2,998.04	58.62	52.143		
5,500.00	3,963.87	3,975.87	3,975.87	63.01	14.04	122.10	-217.01	-2,357.82	3,116.72	3,057.53	59.19	52.654		
5,600.00	4,021.13	4,033.13	4,033.13	64.51	14.25	123.01	-217.01	-2,357.82	3,177.76	3,118.02	59.75	53.186		
5,700.00	4,078.38	4,090.38	4,090.38	66.01	14.45	123.90	-217.01	-2,357.82	3,239.73	3,179.44	60.29	53.737		
5,800.00	4,135.63	4,147.63	4,147.63	67.51	14.66	124.78	-217.01	-2,357.82	3,302.57	3,241.76	60.82	54.304		
5,900.00	4,192.88	4,204.88	4,204.88	69.01	14.87	125.63	-217.01	-2,357.82	3,366.24	3,304.91	61.33	54.886		
6,000.00	4,250.13	4,262.13	4,262.13	70.51	15.07	126.47	-217.01	-2,357.82	3,430.68	3,368.84	61.84	55.480		
6,100.00	4,307.39	4,319.39	4,319.39	72.02	15.28	127.29	-217.01	-2,357.82	3,495.86	3,433.53	62.33	56.084		
6,200.00	4,364.64	4,376.64	4,376.64	73.52	15.48	128.09	-217.01	-2,357.82	3,561.73	3,498.91	62.82	56.698		
6,300.00	4,421.89	4,433.89	4,433.89	75.02	15.69	128.87	-217.01	-2,357.82	3,628.26	3,564.96	63.30	57.319		
6,400.00	4,479.14	4,491.14	4,491.14	76.52	15.89	129.64	-217.01	-2,357.82	3,695.41	3,631.64	63.77	57.947		
6,500.00	4,536.39	4,548.39	4,548.39	78.02	16.10	130.39	-217.01	-2,357.82	3,763.15	3,698.91	64.24	58.579		
6,600.00	4,593.64	4,605.64	4,605.64	79.52	16.30	131.13	-217.01	-2,357.82	3,831.45	3,766.75	64.70	59.216		
6,700.00	4,650.90	4,662.90	4,662.90	81.03	16.51	131.84	-217.01	-2,357.82	3,900.27	3,835.11	65.16	59.856		
6,800.00	4,708.15	4,720.15	4,720.15	82.53	16.71	132.55	-217.01	-2,357.82	3,969.60	3,903.98	65.62	60.497		
6,900.00	4,765.40	4,777.40	4,777.40	84.03	16.92	133.23	-217.01	-2,357.82	4,039.39	3,973.33	66.07	61.140		
7,000.00	4,822.65	4,834.65	4,834.65	85.53	17.12	133.91	-217.01	-2,357.82	4,109.64	4,043.13	66.52	61.783		
7,100.00	4,879.90	4,891.90	4,891.90	87.04	17.33	134.56	-217.01	-2,357.82	4,180.32	4,113.36	66.96	62.426		
7,200.00	4,937.16	4,949.16	4,949.16	88.54	17.53	135.21	-217.01	-2,357.82	4,251.40	4,183.99	67.41	63.068		
7,300.00	4,994.41	5,006.41	5,006.41	90.04	17.74	135.83	-217.01	-2,357.82	4,322.87	4,255.02	67.85	63.709		
7,400.00	5,051.66	5,063.66	5,063.66	91.54	17.94	136.45	-217.01	-2,357.82	4,394.71	4,326.41	68.30	64.347		
7,500.00	5,108.91	5,120.91	5,120.91	93.05	18.15	137.05	-217.01	-2,357.82	4,466.89	4,398.15	68.74	64.983		
7,600.00	5,166.16	5,178.16	5,178.16	94.55	18.35	137.64	-217.01	-2,357.82	4,539.41	4,470.23	69.18	65.616		
7,700.00	5,223.42	5,235.42	5,235.42	96.05	18.56	138.21	-217.01	-2,357.82	4,612.25	4,542.62	69.62	66.246		
7,800.00	5,280.67	5,292.67	5,292.67	97.56	18.76	138.77	-217.01	-2,357.82	4,685.39	4,615.32	70.07	66.871		
7,900.00	5,337.92	5,349.92	5,349.92	99.06	18.97	139.32	-217.01	-2,357.82	4,758.81	4,688.30	70.51	67.493		
8,000.00	5,395.17	5,407.17	5,407.17	100.56	19.18	139.86	-217.01	-2,357.82	4,832.52	4,761.56	70.95	68.110		
8,100.00	5,452.42	5,464.42	5,464.42	102.07	19.38	140.39	-217.01	-2,357.82	4,906.48	4,835.09	71.40	68.723		
8,200.00	5,509.68	5,521.68	5,521.68	103.57	19.59	140.90	-217.01	-2,357.82	4,980.70	4,908.86	71.84	69.331		
8,300.00	5,566.93	5,578.93	5,578.93	105.08	19.79	141.41	-217.01	-2,357.82	5,055.15	4,982.87	72.29	69.933		
8,400.00	5,624.18	5,636.18	5,636.18	106.58	20.00	141.90	-217.01	-2,357.82	5,129.84	5,057.11	72.73	70.530		
8,500.00	5,681.43	5,693.43	5,693.43	108.08	20.20	142.38	-217.01	-2,357.82	5,204.75	5,131.57	73.18	71.122		
8,600.00	5,738.68	5,750.68	5,750.68	109.59	20.41	142.85	-217.01	-2,357.82	5,279.86	5,206.23	73.63	71.708		
8,700.00	5,795.93	5,807.93	5,807.93	111.09	20.61	143.32	-217.01	-2,357.82	5,355.18	5,281.10	74.08	72.289		
8,800.00	5,853.19	5,865.19	5,865.19	112.60	20.82	143.77	-217.01	-2,357.82	5,430.69	5,356.16	74.53	72.863		
8,900.00	5,910.44	5,922.44	5,922.44	114.10	21.02	144.21	-217.01	-2,357.82	5,506.39	5,431.40	74.99	73.431		
9,000.00	5,967.69	5,979.69	5,979.69	115.60	21.23	144.64	-217.01	-2,357.82	5,582.27	5,506.82	75.44	73.994		
9,100.00	6,024.94	6,036.94	6,036.94	117.11	21.43	145.07	-217.01	-2,357.82	5,658.31	5,582.41	75.90	74.550		
9,200.00	6,082.19	6,094.19	6,094.19	118.61	21.64	145.48	-217.01	-2,357.82	5,734.52	5,658.16	76.36	75.099		
9,300.00	6,139.45	6,151.45	6,151.45	120.12	21.84	145.89	-217.01	-2,357.82	5,810.89	5,734.07	76.82	75.643		
9,400.00	6,196.70	6,208.70	6,208.70	121.62	22.05	146.29	-217.01	-2,357.82	5,887.40	5,810.12	77.28	76.180		
9,500.00	6,253.95	6,265.95	6,265.95	123.13	22.25	146.68	-217.01	-2,357.82	5,964.07	5,886.32	77.75	76.711		
9,600.00	6,311.20	6,323.20	6,323.20	124.63	22.46	147.06	-217.01	-2,357.82	6,040.87	5,962.66	78.21	77.235		
9,700.00	6,368.45	6,380.45	6,380.45	126.13	22.66	147.44	-217.01	-2,357.82	6,117.81	6,039.12	78.68	77.753		
9,800.00	6,425.71	6,437.71	6,437.71	127.64	22.87	147.80	-217.01	-2,357.82	6,194.87	6,115.72	79.15	78.265		
9,900.00	6,482.96	6,494.96	6,494.96	129.14	23.07	148.16	-217.01	-2,357.82	6,272.07	6,192.44	79.63	78.770		
10,000.00	6,540.21	6,552.21	6,552.21	130.65	23.28	148.52	-217.01	-2,357.82	6,349.38	6,269.28	80.10	79.269		
10,100.00	6,597.46	6,609.46	6,609.46	132.15	23.49	148.86	-217.01	-2,357.82	6,426.81	6,346.23	80.58	79.761		
10,200.00	6,654.71	6,666.71	6,666.71	133.66	23.69	149.20	-217.01	-2,357.82	6,504.35	6,423.29	81.05	80.247		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,711.97	6,723.97	6,723.97	135.16	23.90	149.53	-217.01	-2,357.82	6,581.99	6,500.46	81.53	80.726		
10,400.00	6,769.19	6,781.19	6,781.19	136.67	24.10	147.72	-217.01	-2,357.82	6,659.72	6,577.71	82.02	81.200		
10,500.00	6,824.05	6,836.05	6,836.05	138.22	24.30	131.32	-217.01	-2,357.82	6,735.10	6,652.62	82.49	81.651		
10,600.00	6,873.81	6,885.81	6,885.81	139.81	24.48	118.18	-217.01	-2,357.82	6,805.09	6,722.16	82.93	82.059		
10,700.00	6,916.95	6,928.95	6,928.95	141.38	24.63	108.07	-217.01	-2,357.82	6,867.87	6,784.54	83.34	82.409		
10,800.00	6,952.17	6,964.17	6,964.17	142.87	24.76	100.57	-217.01	-2,357.82	6,921.91	6,838.20	83.71	82.689		
10,900.00	6,978.39	6,990.39	6,990.39	144.24	24.85	95.27	-217.01	-2,357.82	6,965.89	6,881.85	84.04	82.884		
11,000.00	6,994.82	7,006.82	7,006.82	145.43	24.91	91.84	-217.01	-2,357.82	6,998.80	6,914.46	84.35	82.978		
11,100.00	7,000.96	7,012.96	7,012.96	146.41	24.93	90.08	-217.01	-2,357.82	7,019.86	6,935.24	84.62	82.959		
11,200.00	7,001.00	7,013.00	7,013.00	147.26	24.93	90.00	-217.01	-2,357.82	7,034.37	6,949.47	84.90	82.856		
11,300.00	7,001.00	7,013.00	7,013.00	148.14	24.93	90.00	-217.01	-2,357.82	7,050.21	6,964.98	85.23	82.724		
11,400.00	7,001.00	7,013.00	7,013.00	149.06	24.93	90.00	-217.01	-2,357.82	7,067.43	6,981.84	85.60	82.568		
11,500.00	7,001.00	7,013.00	7,013.00	150.00	24.93	90.00	-217.01	-2,357.82	7,086.02	7,000.02	86.01	82.388		
11,600.00	7,001.00	7,013.00	7,013.00	150.97	24.93	90.00	-217.01	-2,357.82	7,105.98	7,019.52	86.46	82.188		
11,700.00	7,001.00	7,013.00	7,013.00	151.97	24.93	90.00	-217.01	-2,357.82	7,127.27	7,040.32	86.95	81.969		
11,800.00	7,001.00	7,013.00	7,013.00	153.00	24.93	90.00	-217.01	-2,357.82	7,149.91	7,062.43	87.48	81.735		
11,900.00	7,001.00	7,013.00	7,013.00	154.06	24.93	90.00	-217.01	-2,357.82	7,173.86	7,085.83	88.04	81.487		
12,000.00	7,001.00	7,013.00	7,013.00	155.15	24.93	90.00	-217.01	-2,357.82	7,199.13	7,110.50	88.63	81.229		
12,100.00	7,001.00	7,013.00	7,013.00	156.27	24.93	90.00	-217.01	-2,357.82	7,225.69	7,136.44	89.25	80.962		
12,200.00	7,001.00	7,013.00	7,013.00	157.43	24.93	90.00	-217.01	-2,357.82	7,253.53	7,163.64	89.89	80.689		
12,300.00	7,001.00	7,013.00	7,013.00	158.61	24.93	90.00	-217.01	-2,357.82	7,282.64	7,192.08	90.57	80.412		
12,400.00	7,001.00	7,013.00	7,013.00	159.82	24.93	90.00	-217.01	-2,357.82	7,313.01	7,221.75	91.26	80.134		
12,500.00	7,001.00	7,013.00	7,013.00	161.07	24.93	90.00	-217.01	-2,357.82	7,344.60	7,252.63	91.97	79.855		
12,600.00	7,001.00	7,013.00	7,013.00	162.34	24.93	90.00	-217.01	-2,357.82	7,377.42	7,284.71	92.71	79.578		
12,700.00	7,001.00	7,013.00	7,013.00	163.64	24.93	90.00	-217.01	-2,357.82	7,411.44	7,317.99	93.46	79.305		
12,800.00	7,001.00	7,013.00	7,013.00	164.98	24.93	90.00	-217.01	-2,357.82	7,446.65	7,352.43	94.22	79.036		
12,900.00	7,001.00	7,013.00	7,013.00	166.34	24.93	90.00	-217.01	-2,357.82	7,483.03	7,388.04	94.99	78.774		
13,000.00	7,001.00	7,013.00	7,013.00	167.74	24.93	90.00	-217.01	-2,357.82	7,520.57	7,424.79	95.78	78.520		
13,100.00	7,001.00	7,013.00	7,013.00	169.16	24.93	90.00	-217.01	-2,357.82	7,559.24	7,462.66	96.57	78.274		
13,200.00	7,001.00	7,013.00	7,013.00	170.61	24.93	90.00	-217.01	-2,357.82	7,599.03	7,501.65	97.38	78.038		
13,300.00	7,001.00	7,013.00	7,013.00	172.10	24.93	90.00	-217.01	-2,357.82	7,639.92	7,541.73	98.18	77.812		
13,400.00	7,001.00	7,013.00	7,013.00	173.61	24.93	90.00	-217.01	-2,357.82	7,681.89	7,582.90	99.00	77.598		
13,500.00	7,001.00	7,013.00	7,013.00	175.15	24.93	90.00	-217.01	-2,357.82	7,724.94	7,625.13	99.81	77.395		
13,600.00	7,001.00	7,013.00	7,013.00	176.72	24.93	90.00	-217.01	-2,357.82	7,769.03	7,668.40	100.63	77.205		
13,700.00	7,001.00	7,013.00	7,013.00	178.31	24.93	90.00	-217.01	-2,357.82	7,814.15	7,712.70	101.45	77.028		
13,800.00	7,001.00	7,013.00	7,013.00	179.94	24.93	90.00	-217.01	-2,357.82	7,860.28	7,758.02	102.26	76.863		
13,900.00	7,001.00	7,013.00	7,013.00	181.59	24.93	90.00	-217.01	-2,357.82	7,907.42	7,804.34	103.08	76.712		
14,000.00	7,001.00	7,013.00	7,013.00	183.26	24.93	90.00	-217.01	-2,357.82	7,955.52	7,851.63	103.89	76.575		
14,100.00	7,001.00	7,013.00	7,013.00	184.97	24.93	90.00	-217.01	-2,357.82	8,004.59	7,899.89	104.70	76.451		
14,200.00	7,001.00	7,013.00	7,013.00	186.70	24.93	90.00	-217.01	-2,357.82	8,054.60	7,949.10	105.51	76.341		
14,300.00	7,001.00	7,013.00	7,013.00	188.45	24.93	90.00	-217.01	-2,357.82	8,105.54	7,999.23	106.31	76.245		
14,400.00	7,001.00	7,013.00	7,013.00	190.23	24.93	90.00	-217.01	-2,357.82	8,157.39	8,050.28	107.10	76.163		
14,500.00	7,001.00	7,013.00	7,013.00	192.03	24.93	90.00	-217.01	-2,357.82	8,210.12	8,102.23	107.89	76.094		
14,600.00	7,001.00	7,013.00	7,013.00	193.86	24.93	90.00	-217.01	-2,357.82	8,263.73	8,155.05	108.68	76.039		
14,700.00	7,001.00	7,013.00	7,013.00	195.71	24.93	90.00	-217.01	-2,357.82	8,318.20	8,208.74	109.45	75.998		
14,800.00	7,001.00	7,013.00	7,013.00	197.58	24.93	90.00	-217.01	-2,357.82	8,373.50	8,263.28	110.22	75.969		
14,900.00	7,001.00	7,013.00	7,013.00	199.47	24.93	90.00	-217.01	-2,357.82	8,429.63	8,318.65	110.98	75.955		
15,000.00	7,001.00	7,013.00	7,013.00	201.39	24.93	90.00	-217.01	-2,357.82	8,486.57	8,374.83	111.73	75.953		
15,100.00	7,001.00	7,013.00	7,013.00	203.32	24.93	90.00	-217.01	-2,357.82	8,544.29	8,431.82	112.48	75.964		
15,200.00	7,001.00	7,013.00	7,013.00	205.28	24.93	90.00	-217.01	-2,357.82	8,602.80	8,489.58	113.21	75.988		
15,300.00	7,001.00	7,013.00	7,013.00	207.25	24.93	90.00	-217.01	-2,357.82	8,662.06	8,548.12	113.94	76.024		
15,400.00	7,001.00	7,013.00	7,013.00	209.25	24.93	90.00	-217.01	-2,357.82	8,722.06	8,607.41	114.66	76.072		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ABND VERT LIND 36-32 - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,500.00	7,001.00	7,013.00	7,013.00	211.26	24.93	90.00	-217.01	-2,357.82	8,782.80	8,667.44	115.36	76.132	
15,600.00	7,001.00	7,013.00	7,013.00	213.30	24.93	90.00	-217.01	-2,357.82	8,844.25	8,728.19	116.06	76.204	
15,700.00	7,001.00	7,013.00	7,013.00	215.35	24.93	90.00	-217.01	-2,357.82	8,906.39	8,789.64	116.75	76.287	
15,800.00	7,001.00	7,013.00	7,013.00	217.42	24.93	90.00	-217.01	-2,357.82	8,969.22	8,851.80	117.43	76.382	
15,900.00	7,001.00	7,013.00	7,013.00	219.50	24.93	90.00	-217.01	-2,357.82	9,032.72	8,914.63	118.09	76.488	
16,000.00	7,001.00	7,013.00	7,013.00	221.60	24.93	90.00	-217.01	-2,357.82	9,096.88	8,978.13	118.75	76.604	
16,100.00	7,001.00	7,013.00	7,013.00	223.72	24.93	90.00	-217.01	-2,357.82	9,161.68	9,042.28	119.40	76.731	
16,200.00	7,001.00	7,013.00	7,013.00	225.85	24.93	90.00	-217.01	-2,357.82	9,227.11	9,107.07	120.04	76.868	
16,300.00	7,001.00	7,013.00	7,013.00	228.00	24.93	90.00	-217.01	-2,357.82	9,293.15	9,172.49	120.67	77.014	
16,400.00	7,001.00	7,013.00	7,013.00	230.16	24.93	90.00	-217.01	-2,357.82	9,359.80	9,238.51	121.29	77.171	
16,500.00	7,001.00	7,013.00	7,013.00	232.34	24.93	90.00	-217.01	-2,357.82	9,427.03	9,305.14	121.90	77.337	
16,600.00	7,001.00	7,013.00	7,013.00	234.53	24.93	90.00	-217.01	-2,357.82	9,494.85	9,372.35	122.49	77.512	
16,700.00	7,001.00	7,013.00	7,013.00	236.73	24.93	90.00	-217.01	-2,357.82	9,563.23	9,440.14	123.08	77.697	
16,800.00	7,001.00	7,013.00	7,013.00	238.95	24.93	90.00	-217.01	-2,357.82	9,632.16	9,508.49	123.66	77.890	
16,900.00	7,001.00	7,013.00	7,013.00	241.18	24.93	90.00	-217.01	-2,357.82	9,701.63	9,577.39	124.23	78.092	
17,000.00	7,001.00	7,013.00	7,013.00	243.42	24.93	90.00	-217.01	-2,357.82	9,771.63	9,646.83	124.79	78.302	
17,100.00	7,001.00	7,013.00	7,013.00	245.67	24.93	90.00	-217.01	-2,357.82	9,842.15	9,716.80	125.35	78.520	
17,200.00	7,001.00	7,013.00	7,013.00	247.93	24.93	90.00	-217.01	-2,357.82	9,913.17	9,787.28	125.89	78.746	
17,300.00	7,001.00	7,013.00	7,013.00	250.21	24.93	90.00	-217.01	-2,357.82	9,984.70	9,858.27	126.42	78.979	
17,400.00	7,001.00	7,013.00	7,013.00	252.50	24.93	90.00	-217.01	-2,357.82	10,056.70	9,929.76	126.95	79.221	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	86.00	86.00	0.27	0.13	-128.45	-1,885.54	-2,374.66	3,032.20	3,031.80	0.40	7,612.204		
200.00	199.98	185.98	185.98	0.62	0.46	29.37	-1,885.54	-2,374.66	3,030.68	3,029.60	1.08	2,818.856		
300.00	299.84	285.84	285.84	0.97	0.82	29.47	-1,885.54	-2,374.66	3,026.12	3,024.33	1.79	1,691.834		
400.00	399.45	385.45	385.45	1.34	1.17	29.62	-1,885.54	-2,374.66	3,018.53	3,016.02	2.51	1,201.620		
500.00	498.70	484.70	484.70	1.74	1.53	29.84	-1,885.54	-2,374.66	3,007.93	3,004.68	3.24	927.488		
600.00	597.47	583.47	583.47	2.17	1.88	30.13	-1,885.54	-2,374.66	2,994.34	2,990.35	3.98	751.900		
700.00	695.62	681.62	681.62	2.62	2.24	30.48	-1,885.54	-2,374.66	2,977.79	2,973.06	4.73	629.403		
800.00	793.06	779.06	779.06	3.12	2.58	30.90	-1,885.54	-2,374.66	2,958.31	2,952.82	5.49	538.764		
900.00	889.64	875.64	875.64	3.65	2.93	31.40	-1,885.54	-2,374.66	2,935.96	2,929.70	6.26	468.752		
1,000.00	985.27	971.27	971.27	4.23	3.27	31.97	-1,885.54	-2,374.66	2,910.79	2,903.74	7.05	412.872		
1,100.00	1,079.82	1,065.82	1,065.82	4.85	3.61	32.62	-1,885.54	-2,374.66	2,882.84	2,874.99	7.85	367.106		
1,200.00	1,173.17	1,159.17	1,159.17	5.52	3.95	33.35	-1,885.54	-2,374.66	2,852.19	2,843.52	8.67	328.841		
1,300.00	1,265.21	1,251.21	1,251.21	6.24	4.28	34.17	-1,885.54	-2,374.66	2,818.91	2,809.40	9.51	296.300		
1,400.00	1,355.84	1,341.84	1,341.84	7.01	4.60	35.09	-1,885.54	-2,374.66	2,783.09	2,772.71	10.38	268.234		
1,500.00	1,444.94	1,430.94	1,430.94	7.82	4.92	36.10	-1,885.54	-2,374.66	2,744.81	2,733.55	11.26	243.739		
1,600.00	1,532.39	1,518.39	1,518.39	8.69	5.24	37.21	-1,885.54	-2,374.66	2,704.18	2,692.00	12.17	222.146		
1,700.00	1,618.11	1,604.11	1,604.11	9.61	5.54	38.43	-1,885.54	-2,374.66	2,661.30	2,648.18	13.11	202.947		
1,800.00	1,701.97	1,687.97	1,687.97	10.58	5.84	39.77	-1,885.54	-2,374.66	2,616.29	2,602.20	14.08	185.752		
1,900.00	1,783.88	1,769.88	1,769.88	11.59	6.14	41.22	-1,885.54	-2,374.66	2,569.29	2,554.20	15.09	170.253		
2,000.00	1,863.74	1,849.74	1,849.74	12.66	6.42	42.80	-1,885.54	-2,374.66	2,520.43	2,504.30	16.13	156.209		
2,100.00	1,941.45	1,927.45	1,927.45	13.77	6.70	44.51	-1,885.54	-2,374.66	2,469.88	2,452.66	17.22	143.424		
2,200.00	2,016.92	2,002.92	2,002.92	14.94	6.97	46.35	-1,885.54	-2,374.66	2,417.80	2,399.44	18.35	131.741		
2,300.00	2,090.05	2,076.05	2,076.05	16.14	7.23	48.32	-1,885.54	-2,374.66	2,364.37	2,344.83	19.54	121.032		
2,400.00	2,160.76	2,146.76	2,146.76	17.40	7.49	50.42	-1,885.54	-2,374.66	2,309.79	2,289.02	20.77	111.190		
2,500.00	2,228.95	2,214.95	2,214.95	18.69	7.73	52.64	-1,885.54	-2,374.66	2,254.29	2,232.22	22.07	102.129		
2,600.00	2,294.55	2,280.55	2,280.55	20.03	7.97	54.98	-1,885.54	-2,374.66	2,198.10	2,174.66	23.44	93.776		
2,700.00	2,357.48	2,343.48	2,343.48	21.41	8.19	57.42	-1,885.54	-2,374.66	2,141.48	2,116.60	24.88	86.073		
2,800.00	2,417.66	2,403.66	2,403.66	22.83	8.41	59.95	-1,885.54	-2,374.66	2,084.70	2,058.30	26.40	78.968		
2,900.00	2,475.32	2,461.32	2,461.32	24.29	8.62	61.99	-1,885.54	-2,374.66	2,028.23	2,000.23	28.00	72.435		
3,000.00	2,532.58	2,518.58	2,518.58	25.75	8.82	63.42	-1,885.54	-2,374.66	1,973.34	1,943.66	29.68	66.491		
3,100.00	2,589.83	2,575.83	2,575.83	27.22	9.03	64.88	-1,885.54	-2,374.66	1,920.37	1,888.94	31.43	61.101		
3,200.00	2,647.08	2,633.08	2,633.08	28.70	9.23	66.38	-1,885.54	-2,374.66	1,869.51	1,836.25	33.25	56.220		
3,300.00	2,704.33	2,690.33	2,690.33	30.17	9.44	67.92	-1,885.54	-2,374.66	1,820.91	1,785.76	35.15	51.807		
3,400.00	2,761.58	2,747.58	2,747.58	31.65	9.64	69.49	-1,885.54	-2,374.66	1,774.77	1,737.67	37.11	47.827		
3,500.00	2,818.84	2,804.84	2,804.84	33.13	9.85	71.10	-1,885.54	-2,374.66	1,731.29	1,692.17	39.13	44.246		
3,600.00	2,876.09	2,862.09	2,862.09	34.62	10.05	72.73	-1,885.54	-2,374.66	1,690.67	1,649.47	41.20	41.033		
3,700.00	2,933.34	2,919.34	2,919.34	36.10	10.26	74.40	-1,885.54	-2,374.66	1,653.13	1,609.81	43.32	38.162		
3,800.00	2,990.59	2,976.59	2,976.59	37.59	10.46	76.09	-1,885.54	-2,374.66	1,618.86	1,573.39	45.47	35.606		
3,900.00	3,047.84	3,033.84	3,033.84	39.08	10.67	77.81	-1,885.54	-2,374.66	1,588.09	1,540.47	47.63	33.343		
4,000.00	3,105.10	3,091.10	3,091.10	40.57	10.87	79.55	-1,885.54	-2,374.66	1,561.03	1,511.24	49.79	31.352		
4,100.00	3,162.35	3,148.35	3,148.35	42.06	11.08	81.31	-1,885.54	-2,374.66	1,537.87	1,485.94	51.93	29.612		
4,200.00	3,219.60	3,205.60	3,205.60	43.55	11.28	83.08	-1,885.54	-2,374.66	1,518.78	1,464.75	54.04	28.107		
4,300.00	3,276.85	3,262.85	3,262.85	45.05	11.49	84.87	-1,885.54	-2,374.66	1,503.93	1,447.86	56.08	26.819		
4,400.00	3,334.10	3,320.10	3,320.10	46.54	11.69	86.68	-1,885.54	-2,374.66	1,493.44	1,435.41	58.04	25.733		
4,500.00	3,391.35	3,377.35	3,377.35	48.03	11.90	88.48	-1,885.54	-2,374.66	1,487.40	1,427.51	59.89	24.834		
4,583.89	3,439.39	3,425.39	3,425.39	49.29	12.07	90.00	-1,885.54	-2,374.66	1,485.81	1,424.45	61.36	24.214 CC		
4,600.00	3,448.61	3,434.61	3,434.61	49.53	12.10	90.29	-1,885.54	-2,374.66	1,485.87	1,424.24	61.63	24.109 ES		
4,700.00	3,505.86	3,491.86	3,491.86	51.03	12.31	92.10	-1,885.54	-2,374.66	1,488.86	1,425.62	63.24	23.544		
4,800.00	3,563.11	3,549.11	3,549.11	52.52	12.51	93.91	-1,885.54	-2,374.66	1,496.34	1,431.64	64.70	23.127		
4,900.00	3,620.36	3,606.36	3,606.36	54.02	12.72	95.70	-1,885.54	-2,374.66	1,508.25	1,442.23	66.02	22.846		
5,000.00	3,677.61	3,663.61	3,663.61	55.52	12.93	97.49	-1,885.54	-2,374.66	1,524.48	1,457.30	67.18	22.692		
5,100.00	3,734.87	3,720.87	3,720.87	57.02	13.13	99.26	-1,885.54	-2,374.66	1,544.89	1,476.70	68.20	22.653 SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,792.12	3,778.12	3,778.12	58.51	13.34	101.01	-1,885.54	-2,374.66	1,569.33	1,500.26	69.07	22.721		
5,300.00	3,849.37	3,835.37	3,835.37	60.01	13.54	102.75	-1,885.54	-2,374.66	1,597.61	1,527.80	69.81	22.885		
5,400.00	3,906.62	3,892.62	3,892.62	61.51	13.75	104.46	-1,885.54	-2,374.66	1,629.53	1,559.10	70.43	23.138		
5,500.00	3,963.87	3,949.87	3,949.87	63.01	13.95	106.14	-1,885.54	-2,374.66	1,664.87	1,593.94	70.93	23.471		
5,600.00	4,021.13	4,007.13	4,007.13	64.51	14.16	107.80	-1,885.54	-2,374.66	1,703.43	1,632.09	71.34	23.877		
5,700.00	4,078.38	4,064.38	4,064.38	66.01	14.36	109.42	-1,885.54	-2,374.66	1,745.00	1,673.34	71.66	24.350		
5,800.00	4,135.63	4,121.63	4,121.63	67.51	14.57	111.02	-1,885.54	-2,374.66	1,789.36	1,717.44	71.91	24.882		
5,900.00	4,192.88	4,178.88	4,178.88	69.01	14.77	112.58	-1,885.54	-2,374.66	1,836.31	1,764.20	72.10	25.467		
6,000.00	4,250.13	4,236.13	4,236.13	70.51	14.98	114.10	-1,885.54	-2,374.66	1,885.65	1,813.41	72.25	26.101		
6,100.00	4,307.39	4,293.39	4,293.39	72.02	15.18	115.59	-1,885.54	-2,374.66	1,937.21	1,864.87	72.35	26.777		
6,200.00	4,364.64	4,350.64	4,350.64	73.52	15.39	117.05	-1,885.54	-2,374.66	1,990.82	1,918.40	72.42	27.491		
6,300.00	4,421.89	4,407.89	4,407.89	75.02	15.59	118.46	-1,885.54	-2,374.66	2,046.30	1,973.84	72.47	28.238		
6,400.00	4,479.14	4,465.14	4,465.14	76.52	15.80	119.85	-1,885.54	-2,374.66	2,103.52	2,031.02	72.50	29.015		
6,500.00	4,536.39	4,522.39	4,522.39	78.02	16.00	121.19	-1,885.54	-2,374.66	2,162.33	2,089.81	72.52	29.818		
6,600.00	4,593.64	4,579.64	4,579.64	79.52	16.21	122.49	-1,885.54	-2,374.66	2,222.61	2,150.08	72.53	30.643		
6,700.00	4,650.90	4,636.90	4,636.90	81.03	16.41	123.76	-1,885.54	-2,374.66	2,284.25	2,211.70	72.55	31.486		
6,800.00	4,708.15	4,694.15	4,694.15	82.53	16.62	125.00	-1,885.54	-2,374.66	2,347.13	2,274.57	72.56	32.346		
6,900.00	4,765.40	4,751.40	4,751.40	84.03	16.82	126.19	-1,885.54	-2,374.66	2,411.16	2,338.57	72.58	33.220		
7,000.00	4,822.65	4,808.65	4,808.65	85.53	17.03	127.35	-1,885.54	-2,374.66	2,476.24	2,403.64	72.61	34.104		
7,100.00	4,879.90	4,865.90	4,865.90	87.04	17.23	128.48	-1,885.54	-2,374.66	2,542.31	2,469.67	72.64	34.997		
7,200.00	4,937.16	4,923.16	4,923.16	88.54	17.44	129.57	-1,885.54	-2,374.66	2,609.28	2,536.59	72.69	35.896		
7,300.00	4,994.41	4,980.41	4,980.41	90.04	17.65	130.63	-1,885.54	-2,374.66	2,677.08	2,604.34	72.75	36.801		
7,400.00	5,051.66	5,037.66	5,037.66	91.54	17.85	131.66	-1,885.54	-2,374.66	2,745.66	2,672.85	72.81	37.708		
7,500.00	5,108.91	5,094.91	5,094.91	93.05	18.06	132.65	-1,885.54	-2,374.66	2,814.96	2,742.07	72.89	38.618		
7,600.00	5,166.16	5,152.16	5,152.16	94.55	18.26	133.62	-1,885.54	-2,374.66	2,884.92	2,811.94	72.99	39.527		
7,700.00	5,223.42	5,209.42	5,209.42	96.05	18.47	134.55	-1,885.54	-2,374.66	2,955.50	2,882.41	73.09	40.435		
7,800.00	5,280.67	5,266.67	5,266.67	97.56	18.67	135.46	-1,885.54	-2,374.66	3,026.66	2,953.45	73.21	41.341		
7,900.00	5,337.92	5,323.92	5,323.92	99.06	18.88	136.33	-1,885.54	-2,374.66	3,098.35	3,025.01	73.34	42.244		
8,000.00	5,395.17	5,381.17	5,381.17	100.56	19.08	137.18	-1,885.54	-2,374.66	3,170.54	3,097.05	73.49	43.143		
8,100.00	5,452.42	5,438.42	5,438.42	102.07	19.29	138.01	-1,885.54	-2,374.66	3,243.20	3,169.55	73.65	44.036		
8,200.00	5,509.68	5,495.68	5,495.68	103.57	19.49	138.80	-1,885.54	-2,374.66	3,316.29	3,242.47	73.82	44.924		
8,300.00	5,566.93	5,552.93	5,552.93	105.08	19.70	139.58	-1,885.54	-2,374.66	3,389.79	3,315.78	74.00	45.805		
8,400.00	5,624.18	5,610.18	5,610.18	106.58	19.90	140.33	-1,885.54	-2,374.66	3,463.67	3,389.47	74.20	46.679		
8,500.00	5,681.43	5,667.43	5,667.43	108.08	20.11	141.05	-1,885.54	-2,374.66	3,537.90	3,463.49	74.41	47.546		
8,600.00	5,738.68	5,724.68	5,724.68	109.59	20.31	141.76	-1,885.54	-2,374.66	3,612.48	3,537.85	74.63	48.405		
8,700.00	5,795.93	5,781.93	5,781.93	111.09	20.52	142.44	-1,885.54	-2,374.66	3,687.36	3,612.50	74.86	49.255		
8,800.00	5,853.19	5,839.19	5,839.19	112.60	20.72	143.10	-1,885.54	-2,374.66	3,762.55	3,687.44	75.11	50.096		
8,900.00	5,910.44	5,896.44	5,896.44	114.10	20.93	143.74	-1,885.54	-2,374.66	3,838.01	3,762.65	75.36	50.928		
9,000.00	5,967.69	5,953.69	5,953.69	115.60	21.13	144.37	-1,885.54	-2,374.66	3,913.73	3,838.11	75.63	51.751		
9,100.00	6,024.94	6,010.94	6,010.94	117.11	21.34	144.97	-1,885.54	-2,374.66	3,989.71	3,913.80	75.90	52.564		
9,200.00	6,082.19	6,068.19	6,068.19	118.61	21.54	145.56	-1,885.54	-2,374.66	4,065.91	3,989.73	76.19	53.368		
9,300.00	6,139.45	6,125.45	6,125.45	120.12	21.75	146.13	-1,885.54	-2,374.66	4,142.34	4,065.86	76.48	54.161		
9,400.00	6,196.70	6,182.70	6,182.70	121.62	21.96	146.69	-1,885.54	-2,374.66	4,218.98	4,142.19	76.79	54.944		
9,500.00	6,253.95	6,239.95	6,239.95	123.13	22.16	147.22	-1,885.54	-2,374.66	4,295.81	4,218.71	77.10	55.717		
9,600.00	6,311.20	6,297.20	6,297.20	124.63	22.37	147.75	-1,885.54	-2,374.66	4,372.83	4,295.41	77.42	56.480		
9,700.00	6,368.45	6,354.45	6,354.45	126.13	22.57	148.26	-1,885.54	-2,374.66	4,450.03	4,372.27	77.75	57.232		
9,800.00	6,425.71	6,411.71	6,411.71	127.64	22.78	148.75	-1,885.54	-2,374.66	4,527.39	4,449.30	78.09	57.974		
9,900.00	6,482.96	6,468.96	6,468.96	129.14	22.98	149.23	-1,885.54	-2,374.66	4,604.92	4,526.48	78.44	58.705		
10,000.00	6,540.21	6,526.21	6,526.21	130.65	23.19	149.70	-1,885.54	-2,374.66	4,682.60	4,603.80	78.80	59.427		
10,100.00	6,597.46	6,583.46	6,583.46	132.15	23.39	150.15	-1,885.54	-2,374.66	4,760.42	4,681.26	79.16	60.137		
10,200.00	6,654.71	6,640.71	6,640.71	133.66	23.60	150.59	-1,885.54	-2,374.66	4,838.38	4,758.86	79.53	60.838		
10,300.00	6,711.97	6,697.97	6,697.97	135.16	23.80	151.02	-1,885.54	-2,374.66	4,916.48	4,836.57	79.91	61.528		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,769.19	6,755.19	6,755.19	136.67	24.01	149.27	-1,885.54	-2,374.66	4,994.67	4,914.38	80.29	62.208		
10,500.00	6,824.05	6,810.05	6,810.05	138.22	24.20	132.65	-1,885.54	-2,374.66	5,070.74	4,990.12	80.62	62.896		
10,600.00	6,873.81	6,859.81	6,859.81	139.81	24.38	119.28	-1,885.54	-2,374.66	5,141.80	5,060.94	80.86	63.586		
10,700.00	6,916.95	6,902.95	6,902.95	141.38	24.54	108.95	-1,885.54	-2,374.66	5,206.12	5,125.10	81.02	64.259		
10,800.00	6,952.17	6,938.17	6,938.17	142.87	24.66	101.25	-1,885.54	-2,374.66	5,262.18	5,181.10	81.09	64.896		
10,900.00	6,978.39	6,964.39	6,964.39	144.24	24.76	95.74	-1,885.54	-2,374.66	5,308.75	5,227.67	81.08	65.475		
11,000.00	6,994.82	6,980.82	6,980.82	145.43	24.82	92.10	-1,885.54	-2,374.66	5,344.80	5,263.78	81.01	65.973		
11,100.00	7,000.96	6,986.96	6,986.96	146.41	24.84	90.10	-1,885.54	-2,374.66	5,369.55	5,288.65	80.91	66.368		
11,200.00	7,001.00	6,987.00	6,987.00	147.26	24.84	90.00	-1,885.54	-2,374.66	5,388.22	5,307.42	80.80	66.684		
11,300.00	7,001.00	6,987.00	6,987.00	148.14	24.84	90.00	-1,885.54	-2,374.66	5,408.63	5,327.88	80.75	66.977		
11,400.00	7,001.00	6,987.00	6,987.00	149.06	24.84	90.00	-1,885.54	-2,374.66	5,430.80	5,350.04	80.76	67.248		
11,500.00	7,001.00	6,987.00	6,987.00	150.00	24.84	90.00	-1,885.54	-2,374.66	5,454.71	5,373.90	80.81	67.497		
11,600.00	7,001.00	6,987.00	6,987.00	150.97	24.84	90.00	-1,885.54	-2,374.66	5,480.35	5,399.43	80.92	67.726		
11,700.00	7,001.00	6,987.00	6,987.00	151.97	24.84	90.00	-1,885.54	-2,374.66	5,507.68	5,426.61	81.07	67.934		
11,800.00	7,001.00	6,987.00	6,987.00	153.00	24.84	90.00	-1,885.54	-2,374.66	5,536.68	5,455.41	81.27	68.124		
11,900.00	7,001.00	6,987.00	6,987.00	154.06	24.84	90.00	-1,885.54	-2,374.66	5,567.33	5,485.81	81.52	68.296		
12,000.00	7,001.00	6,987.00	6,987.00	155.15	24.84	90.00	-1,885.54	-2,374.66	5,599.60	5,517.79	81.80	68.453		
12,100.00	7,001.00	6,987.00	6,987.00	156.27	24.84	90.00	-1,885.54	-2,374.66	5,633.45	5,551.33	82.13	68.595		
12,200.00	7,001.00	6,987.00	6,987.00	157.43	24.84	90.00	-1,885.54	-2,374.66	5,668.87	5,586.39	82.49	68.725		
12,300.00	7,001.00	6,987.00	6,987.00	158.61	24.84	90.00	-1,885.54	-2,374.66	5,705.82	5,622.94	82.88	68.845		
12,400.00	7,001.00	6,987.00	6,987.00	159.82	24.84	90.00	-1,885.54	-2,374.66	5,744.28	5,660.97	83.30	68.956		
12,500.00	7,001.00	6,987.00	6,987.00	161.07	24.84	90.00	-1,885.54	-2,374.66	5,784.21	5,700.45	83.76	69.060		
12,600.00	7,001.00	6,987.00	6,987.00	162.34	24.84	90.00	-1,885.54	-2,374.66	5,825.58	5,741.34	84.23	69.159		
12,700.00	7,001.00	6,987.00	6,987.00	163.64	24.84	90.00	-1,885.54	-2,374.66	5,868.36	5,783.63	84.74	69.255		
12,800.00	7,001.00	6,987.00	6,987.00	164.98	24.84	90.00	-1,885.54	-2,374.66	5,912.53	5,827.27	85.26	69.350		
12,900.00	7,001.00	6,987.00	6,987.00	166.34	24.84	90.00	-1,885.54	-2,374.66	5,958.05	5,872.25	85.80	69.444		
13,000.00	7,001.00	6,987.00	6,987.00	167.74	24.84	90.00	-1,885.54	-2,374.66	6,004.88	5,918.53	86.35	69.540		
13,100.00	7,001.00	6,987.00	6,987.00	169.16	24.84	90.00	-1,885.54	-2,374.66	6,053.01	5,966.09	86.92	69.639		
13,200.00	7,001.00	6,987.00	6,987.00	170.61	24.84	90.00	-1,885.54	-2,374.66	6,102.40	6,014.90	87.50	69.742		
13,300.00	7,001.00	6,987.00	6,987.00	172.10	24.84	90.00	-1,885.54	-2,374.66	6,153.01	6,064.92	88.09	69.850		
13,400.00	7,001.00	6,987.00	6,987.00	173.61	24.84	90.00	-1,885.54	-2,374.66	6,204.83	6,116.14	88.69	69.963		
13,500.00	7,001.00	6,987.00	6,987.00	175.15	24.84	90.00	-1,885.54	-2,374.66	6,257.81	6,168.52	89.29	70.084		
13,600.00	7,001.00	6,987.00	6,987.00	176.72	24.84	90.00	-1,885.54	-2,374.66	6,311.93	6,222.04	89.90	70.213		
13,700.00	7,001.00	6,987.00	6,987.00	178.31	24.84	90.00	-1,885.54	-2,374.66	6,367.17	6,276.66	90.51	70.349		
13,800.00	7,001.00	6,987.00	6,987.00	179.94	24.84	90.00	-1,885.54	-2,374.66	6,423.48	6,332.36	91.12	70.495		
13,900.00	7,001.00	6,987.00	6,987.00	181.59	24.84	90.00	-1,885.54	-2,374.66	6,480.85	6,389.12	91.73	70.650		
14,000.00	7,001.00	6,987.00	6,987.00	183.26	24.84	90.00	-1,885.54	-2,374.66	6,539.25	6,446.90	92.34	70.814		
14,100.00	7,001.00	6,987.00	6,987.00	184.97	24.84	90.00	-1,885.54	-2,374.66	6,598.64	6,505.69	92.95	70.988		
14,200.00	7,001.00	6,987.00	6,987.00	186.70	24.84	90.00	-1,885.54	-2,374.66	6,659.01	6,565.45	93.56	71.173		
14,300.00	7,001.00	6,987.00	6,987.00	188.45	24.84	90.00	-1,885.54	-2,374.66	6,720.32	6,626.16	94.16	71.368		
14,400.00	7,001.00	6,987.00	6,987.00	190.23	24.84	90.00	-1,885.54	-2,374.66	6,782.55	6,687.79	94.76	71.573		
14,500.00	7,001.00	6,987.00	6,987.00	192.03	24.84	90.00	-1,885.54	-2,374.66	6,845.68	6,750.32	95.36	71.789		
14,600.00	7,001.00	6,987.00	6,987.00	193.86	24.84	90.00	-1,885.54	-2,374.66	6,909.68	6,813.73	95.95	72.015		
14,700.00	7,001.00	6,987.00	6,987.00	195.71	24.84	90.00	-1,885.54	-2,374.66	6,974.52	6,877.99	96.53	72.252		
14,800.00	7,001.00	6,987.00	6,987.00	197.58	24.84	90.00	-1,885.54	-2,374.66	7,040.19	6,943.08	97.11	72.499		
14,900.00	7,001.00	6,987.00	6,987.00	199.47	24.84	90.00	-1,885.54	-2,374.66	7,106.66	7,008.98	97.68	72.756		
15,000.00	7,001.00	6,987.00	6,987.00	201.39	24.84	90.00	-1,885.54	-2,374.66	7,173.90	7,075.66	98.24	73.024		
15,100.00	7,001.00	6,987.00	6,987.00	203.32	24.84	90.00	-1,885.54	-2,374.66	7,241.91	7,143.11	98.80	73.302		
15,200.00	7,001.00	6,987.00	6,987.00	205.28	24.84	90.00	-1,885.54	-2,374.66	7,310.65	7,211.30	99.34	73.590		
15,300.00	7,001.00	6,987.00	6,987.00	207.25	24.84	90.00	-1,885.54	-2,374.66	7,380.10	7,280.22	99.88	73.887		
15,400.00	7,001.00	6,987.00	6,987.00	209.25	24.84	90.00	-1,885.54	-2,374.66	7,450.25	7,349.83	100.42	74.194		
15,500.00	7,001.00	6,987.00	6,987.00	211.26	24.84	90.00	-1,885.54	-2,374.66	7,521.07	7,420.13	100.94	74.511		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,600.00	7,001.00	6,987.00	6,987.00	213.30	24.84	90.00	-1,885.54	-2,374.66	7,592.55	7,491.09	101.45	74.837		
15,700.00	7,001.00	6,987.00	6,987.00	215.35	24.84	90.00	-1,885.54	-2,374.66	7,664.67	7,562.70	101.96	75.172		
15,800.00	7,001.00	6,987.00	6,987.00	217.42	24.84	90.00	-1,885.54	-2,374.66	7,737.40	7,634.94	102.46	75.516		
15,900.00	7,001.00	6,987.00	6,987.00	219.50	24.84	90.00	-1,885.54	-2,374.66	7,810.75	7,707.79	102.95	75.868		
16,000.00	7,001.00	6,987.00	6,987.00	221.60	24.84	90.00	-1,885.54	-2,374.66	7,884.67	7,781.24	103.43	76.229		
16,100.00	7,001.00	6,987.00	6,987.00	223.72	24.84	90.00	-1,885.54	-2,374.66	7,959.17	7,855.26	103.91	76.598		
16,200.00	7,001.00	6,987.00	6,987.00	225.85	24.84	90.00	-1,885.54	-2,374.66	8,034.22	7,929.85	104.37	76.976		
16,300.00	7,001.00	6,987.00	6,987.00	228.00	24.84	90.00	-1,885.54	-2,374.66	8,109.81	8,004.98	104.83	77.361		
16,400.00	7,001.00	6,987.00	6,987.00	230.16	24.84	90.00	-1,885.54	-2,374.66	8,185.92	8,080.64	105.28	77.753		
16,500.00	7,001.00	6,987.00	6,987.00	232.34	24.84	90.00	-1,885.54	-2,374.66	8,262.54	8,156.82	105.72	78.153		
16,600.00	7,001.00	6,987.00	6,987.00	234.53	24.84	90.00	-1,885.54	-2,374.66	8,339.66	8,233.50	106.16	78.561		
16,700.00	7,001.00	6,987.00	6,987.00	236.73	24.84	90.00	-1,885.54	-2,374.66	8,417.26	8,310.68	106.58	78.975		
16,800.00	7,001.00	6,987.00	6,987.00	238.95	24.84	90.00	-1,885.54	-2,374.66	8,495.33	8,388.33	107.00	79.396		
16,900.00	7,001.00	6,987.00	6,987.00	241.18	24.84	90.00	-1,885.54	-2,374.66	8,573.85	8,466.44	107.41	79.824		
17,000.00	7,001.00	6,987.00	6,987.00	243.42	24.84	90.00	-1,885.54	-2,374.66	8,652.81	8,545.00	107.81	80.258		
17,100.00	7,001.00	6,987.00	6,987.00	245.67	24.84	90.00	-1,885.54	-2,374.66	8,732.21	8,624.00	108.21	80.698		
17,200.00	7,001.00	6,987.00	6,987.00	247.93	24.84	90.00	-1,885.54	-2,374.66	8,812.03	8,703.43	108.60	81.145		
17,300.00	7,001.00	6,987.00	6,987.00	250.21	24.84	90.00	-1,885.54	-2,374.66	8,892.25	8,783.27	108.98	81.597		
17,400.00	7,001.00	6,987.00	6,987.00	252.50	24.84	90.00	-1,885.54	-2,374.66	8,972.87	8,863.52	109.35	82.055		
17,500.00	7,001.00	6,987.00	6,987.00	254.79	24.84	90.00	-1,885.54	-2,374.66	9,053.88	8,944.16	109.72	82.519		
17,600.00	7,001.00	6,987.00	6,987.00	257.10	24.84	90.00	-1,885.54	-2,374.66	9,135.27	9,025.19	110.08	82.988		
17,700.00	7,001.00	6,987.00	6,987.00	259.42	24.84	90.00	-1,885.54	-2,374.66	9,217.02	9,106.58	110.43	83.462		
17,800.00	7,001.00	6,987.00	6,987.00	261.74	24.84	90.00	-1,885.54	-2,374.66	9,299.12	9,188.34	110.78	83.942		
17,900.00	7,001.00	6,987.00	6,987.00	264.08	24.84	90.00	-1,885.54	-2,374.66	9,381.58	9,270.46	111.12	84.426		
18,000.00	7,001.00	6,987.00	6,987.00	266.42	24.84	90.00	-1,885.54	-2,374.66	9,464.37	9,352.92	111.46	84.915		
18,100.00	7,001.00	6,987.00	6,987.00	268.78	24.84	90.00	-1,885.54	-2,374.66	9,547.50	9,435.71	111.79	85.409		
18,200.00	7,001.00	6,987.00	6,987.00	271.14	24.84	90.00	-1,885.54	-2,374.66	9,630.94	9,518.83	112.11	85.907		
18,300.00	7,001.00	6,987.00	6,987.00	273.51	24.84	90.00	-1,885.54	-2,374.66	9,714.69	9,602.27	112.43	86.410		
18,400.00	7,001.00	6,987.00	6,987.00	275.89	24.84	90.00	-1,885.54	-2,374.66	9,798.76	9,686.02	112.74	86.917		
18,500.00	7,001.00	6,987.00	6,987.00	278.27	24.84	90.00	-1,885.54	-2,374.66	9,883.11	9,770.07	113.04	87.428		
18,600.00	7,001.00	6,987.00	6,987.00	280.67	24.84	90.00	-1,885.54	-2,374.66	9,967.76	9,854.42	113.34	87.943		
18,700.00	7,001.00	6,987.00	6,987.00	283.07	24.84	90.00	-1,885.54	-2,374.66	10,052.69	9,939.05	113.64	88.462		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 99-MWVD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
100.00	100.00	93.85	93.84	0.27	0.15	-176.86	-2,128.75	-116.78	2,132.06	2,131.65	0.41	5,161.368	
200.00	199.98	185.00	184.98	0.62	0.46	-19.08	-2,127.69	-117.54	2,129.33	2,128.25	1.08	1,980.450	
300.00	299.84	252.26	252.23	0.97	0.69	-19.14	-2,127.95	-117.41	2,124.68	2,123.02	1.66	1,280.119	
400.00	399.45	317.59	317.55	1.34	0.92	-19.26	-2,129.07	-116.42	2,118.11	2,115.87	2.24	943.559	
500.00	498.70	380.59	380.48	1.74	1.13	-19.44	-2,131.35	-114.63	2,110.03	2,107.21	2.83	745.914	
600.00	597.47	458.00	457.72	2.17	1.41	-19.71	-2,135.41	-111.48	2,100.24	2,096.76	3.48	604.025	
700.00	695.62	512.99	512.50	2.62	1.61	-19.97	-2,139.18	-108.51	2,088.72	2,084.66	4.06	514.806	
800.00	793.06	581.48	580.58	3.12	1.87	-20.35	-2,145.03	-103.85	2,075.70	2,071.00	4.70	441.619	
900.00	889.64	644.00	642.61	3.65	2.12	-20.75	-2,151.06	-98.97	2,060.79	2,055.45	5.34	386.217	
1,000.00	985.27	709.70	707.58	4.23	2.39	-21.24	-2,158.63	-92.77	2,044.52	2,038.51	6.01	340.444	
1,100.00	1,079.82	779.16	776.01	4.85	2.69	-21.84	-2,167.72	-85.07	2,026.72	2,020.01	6.71	301.956	
1,200.00	1,173.17	850.23	845.77	5.52	3.01	-22.53	-2,177.77	-75.91	2,007.10	1,999.65	7.45	269.393	
1,300.00	1,265.21	925.00	918.81	6.24	3.36	-23.35	-2,189.42	-65.01	1,986.01	1,977.78	8.23	241.191	
1,400.00	1,355.84	992.48	984.38	7.01	3.70	-24.21	-2,200.58	-53.63	1,963.24	1,954.21	9.03	217.482	
1,500.00	1,444.94	1,077.32	1,066.26	7.82	4.15	-25.41	-2,214.78	-36.58	1,938.44	1,928.50	9.94	195.003	
1,600.00	1,532.39	1,152.94	1,138.71	8.69	4.58	-26.65	-2,227.42	-18.99	1,911.63	1,900.76	10.87	175.929	
1,700.00	1,618.11	1,221.09	1,203.51	9.61	4.98	-27.92	-2,239.22	-1.50	1,883.53	1,871.73	11.80	159.595	
1,800.00	1,701.97	1,291.18	1,269.55	10.58	5.42	-29.37	-2,251.57	18.46	1,854.26	1,841.45	12.81	144.759	
1,900.00	1,783.88	1,361.74	1,335.42	11.59	5.90	-30.98	-2,264.07	40.42	1,823.96	1,810.07	13.89	131.314	
2,000.00	1,863.74	1,426.99	1,395.96	12.66	6.35	-32.61	-2,275.72	61.81	1,792.84	1,777.84	15.00	119.549	
2,100.00	1,941.45	1,488.68	1,453.05	13.77	6.79	-34.26	-2,287.15	82.21	1,761.32	1,745.18	16.14	109.143	
2,200.00	2,016.92	1,565.01	1,523.62	14.94	7.36	-36.34	-2,301.47	107.52	1,729.26	1,711.81	17.45	99.088	
2,300.00	2,090.05	1,644.15	1,596.88	16.14	7.94	-38.61	-2,316.13	133.60	1,696.51	1,677.66	18.86	89.975	
2,400.00	2,160.76	1,717.23	1,664.78	17.40	8.48	-40.86	-2,329.55	157.07	1,663.24	1,642.95	20.28	82.000	
2,500.00	2,228.95	1,782.91	1,725.90	18.69	8.96	-43.03	-2,341.73	177.79	1,629.98	1,608.25	21.73	75.013	
2,600.00	2,294.55	1,840.29	1,779.30	20.03	9.39	-45.07	-2,352.63	195.77	1,597.31	1,574.12	23.19	68.886	
2,700.00	2,357.48	1,908.93	1,843.14	21.41	9.90	-47.51	-2,365.85	217.22	1,565.48	1,540.65	24.83	63.060	
2,800.00	2,417.66	1,988.37	1,917.17	22.83	10.49	-50.40	-2,380.41	242.09	1,534.23	1,507.57	26.65	57.566	
2,900.00	2,475.32	2,067.93	1,991.67	24.29	11.07	-53.19	-2,393.86	266.56	1,503.76	1,475.18	28.58	52.621	
3,000.00	2,532.58	2,129.25	2,049.23	25.75	11.50	-55.17	-2,403.87	285.15	1,476.52	1,446.11	30.41	48.554	
3,100.00	2,589.83	2,179.40	2,096.33	27.22	11.87	-56.80	-2,412.06	300.34	1,453.44	1,421.25	32.19	45.154	
3,200.00	2,647.08	2,226.31	2,140.26	28.70	12.21	-58.35	-2,419.90	314.78	1,435.09	1,401.12	33.97	42.251	
3,300.00	2,704.33	2,284.10	2,194.32	30.17	12.63	-60.27	-2,429.77	332.68	1,421.50	1,385.63	35.87	39.627	
3,400.00	2,761.58	2,343.34	2,249.82	31.65	13.06	-62.23	-2,440.02	350.70	1,412.42	1,374.61	37.81	37.359	
3,500.00	2,818.84	2,394.40	2,297.61	33.13	13.44	-63.93	-2,448.93	366.30	1,408.18	1,368.53	39.65	35.515	
3,534.00	2,838.30	2,411.69	2,313.77	33.64	13.56	-64.51	-2,451.96	371.64	1,407.88	1,367.60	40.27	34.958 CC	
3,600.00	2,876.09	2,445.86	2,345.69	34.62	13.82	-65.65	-2,457.95	382.26	1,408.95	1,367.47	41.48	33.965 ES	
3,700.00	2,933.34	2,497.71	2,394.07	36.10	14.20	-67.39	-2,466.97	398.61	1,414.71	1,371.42	43.29	32.680	
3,800.00	2,990.59	2,550.52	2,443.26	37.59	14.60	-69.15	-2,476.12	415.47	1,425.40	1,380.33	45.07	31.626	
3,900.00	3,047.84	2,604.77	2,493.77	39.08	15.01	-70.94	-2,485.75	432.80	1,440.85	1,394.03	46.82	30.773	
4,000.00	3,105.10	2,669.14	2,553.71	40.57	15.50	-73.05	-2,497.27	453.21	1,460.69	1,412.03	48.66	30.017	
4,100.00	3,162.35	2,733.10	2,613.41	42.06	15.98	-75.13	-2,508.54	473.22	1,484.50	1,434.06	50.44	29.430	
4,200.00	3,219.60	2,795.42	2,671.64	43.55	16.44	-77.11	-2,519.64	492.45	1,512.18	1,460.04	52.14	29.002	
4,300.00	3,276.85	2,846.46	2,719.30	45.05	16.83	-78.71	-2,528.97	508.15	1,543.72	1,490.11	53.61	28.794	
4,400.00	3,334.10	2,899.12	2,768.35	46.54	17.22	-80.33	-2,538.99	524.49	1,579.11	1,524.06	55.04	28.690	
4,500.00	3,391.35	2,971.02	2,835.41	48.03	17.77	-82.50	-2,552.54	546.61	1,617.63	1,560.92	56.71	28.526 SF	
4,600.00	3,448.61	3,025.78	2,886.62	49.53	18.17	-84.13	-2,562.46	563.27	1,659.00	1,600.96	58.04	28.584	
4,700.00	3,505.86	3,080.00	2,937.29	51.03	18.58	-85.71	-2,571.95	580.06	1,703.57	1,644.27	59.30	28.728	
4,800.00	3,563.11	3,126.99	2,981.19	52.52	18.93	-87.07	-2,579.98	594.80	1,751.06	1,690.68	60.38	29.001	
4,900.00	3,620.36	3,180.31	3,030.97	54.02	19.33	-88.57	-2,588.97	611.64	1,801.20	1,739.70	61.51	29.285	
5,000.00	3,677.61	3,243.04	3,089.55	55.52	19.80	-90.30	-2,599.62	631.39	1,853.61	1,790.87	62.75	29.542	
5,100.00	3,734.87	3,317.96	3,159.62	57.02	20.36	-92.29	-2,612.47	654.58	1,907.84	1,843.69	64.15	29.743	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 99-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,792.12	3,413.36	3,249.34	58.51	21.04	-94.75	-2,628.48	682.76	1,963.21	1,897.38	65.83	29.821		
5,300.00	3,849.37	3,485.50	3,317.48	60.01	21.55	-96.52	-2,640.96	702.91	2,019.31	1,952.21	67.11	30.091		
5,400.00	3,906.62	3,534.35	3,363.50	61.51	21.90	-97.68	-2,649.79	716.70	2,077.21	2,009.23	67.98	30.557		
5,500.00	3,963.87	3,590.80	3,416.56	63.01	22.30	-98.98	-2,660.25	732.87	2,136.79	2,067.84	68.95	30.990		
5,600.00	4,021.13	3,649.46	3,471.74	64.51	22.73	-100.29	-2,670.99	749.64	2,197.72	2,127.79	69.94	31.424		
5,700.00	4,078.38	3,703.18	3,522.29	66.01	23.11	-101.46	-2,680.63	765.04	2,259.99	2,189.17	70.81	31.914		
5,800.00	4,135.63	3,758.65	3,574.53	67.51	23.51	-102.64	-2,690.36	780.99	2,323.53	2,251.83	71.70	32.407		
5,900.00	4,192.88	3,817.22	3,629.76	69.01	23.92	-103.85	-2,700.27	797.76	2,388.17	2,315.56	72.61	32.891		
6,000.00	4,250.13	3,861.03	3,671.09	70.51	24.24	-104.74	-2,707.51	810.34	2,453.93	2,380.67	73.26	33.498		
6,100.00	4,307.39	3,900.51	3,708.23	72.02	24.52	-105.51	-2,714.14	822.00	2,521.03	2,447.21	73.82	34.152		
6,200.00	4,364.64	3,945.87	3,750.75	73.52	24.85	-106.37	-2,721.88	835.75	2,589.36	2,514.88	74.48	34.767		
6,300.00	4,421.89	3,999.69	3,801.09	75.02	25.25	-107.36	-2,731.34	852.27	2,658.58	2,583.30	75.29	35.313		
6,400.00	4,479.14	4,053.18	3,851.01	76.52	25.66	-108.31	-2,741.02	868.87	2,728.58	2,652.49	76.09	35.858		
6,500.00	4,536.39	4,106.55	3,900.73	78.02	26.06	-109.21	-2,750.88	885.59	2,799.31	2,722.41	76.90	36.401		
6,600.00	4,593.64	4,159.42	3,949.89	79.52	26.47	-110.08	-2,760.83	902.32	2,870.71	2,793.00	77.71	36.943		
6,700.00	4,650.90	4,221.95	4,007.95	81.03	26.95	-111.06	-2,772.73	922.24	2,942.72	2,864.04	78.69	37.398		
6,800.00	4,708.15	4,321.58	4,101.13	82.53	27.70	-112.59	-2,790.80	952.53	3,014.60	2,934.29	80.31	37.537		
6,900.00	4,765.40	4,392.10	4,167.22	84.03	28.22	-113.62	-2,803.71	973.43	3,086.55	3,005.15	81.40	37.920		
7,000.00	4,822.65	4,442.23	4,214.22	85.53	28.59	-114.33	-2,812.93	988.26	3,158.90	3,076.77	82.12	38.465		
7,100.00	4,879.90	4,492.34	4,261.25	87.04	28.95	-115.02	-2,821.82	1,003.09	3,231.82	3,148.98	82.84	39.011		
7,200.00	4,937.16	4,546.88	4,312.49	88.54	29.35	-115.76	-2,831.25	1,019.21	3,305.24	3,221.61	83.63	39.521		
7,300.00	4,994.41	4,598.56	4,361.08	90.04	29.72	-116.45	-2,840.04	1,034.46	3,379.11	3,294.74	84.37	40.052		
7,400.00	5,051.66	4,646.13	4,405.82	91.54	30.07	-117.06	-2,847.94	1,048.55	3,453.48	3,368.45	85.03	40.615		
7,500.00	5,108.91	4,690.47	4,447.53	93.05	30.39	-117.62	-2,855.17	1,061.76	3,528.36	3,442.73	85.63	41.203		
7,600.00	5,166.16	4,730.92	4,485.49	94.55	30.68	-118.12	-2,861.83	1,074.03	3,603.80	3,517.63	86.17	41.820		
7,700.00	5,223.42	4,775.01	4,526.75	96.05	31.01	-118.64	-2,869.21	1,087.71	3,679.79	3,593.00	86.78	42.402		
7,800.00	5,280.67	4,852.64	4,599.50	97.56	31.58	-119.54	-2,882.09	1,111.58	3,755.96	3,667.97	87.99	42.686		
7,900.00	5,337.92	4,958.07	4,698.80	99.06	32.34	-120.71	-2,899.08	1,142.63	3,831.88	3,742.24	89.64	42.746		
8,000.00	5,395.17	5,015.59	4,753.13	100.56	32.74	-121.34	-2,908.29	1,159.12	3,907.70	3,817.23	90.46	43.196		
8,100.00	5,452.42	5,048.00	4,783.73	102.07	32.97	-121.68	-2,913.54	1,168.44	3,983.81	3,892.94	90.86	43.845		
8,200.00	5,509.68	5,100.32	4,832.98	103.57	33.35	-122.21	-2,922.21	1,183.82	4,060.29	3,968.67	91.62	44.318		
8,300.00	5,566.93	5,141.00	4,871.09	105.08	33.64	-122.60	-2,929.16	1,196.23	4,137.34	4,045.16	92.18	44.885		
8,400.00	5,624.18	5,245.85	4,969.32	106.58	34.42	-123.57	-2,947.41	1,228.01	4,214.46	4,120.59	93.87	44.896		
8,500.00	5,681.43	5,607.53	5,316.27	108.08	36.65	-126.96	-3,001.22	1,313.38	4,289.04	4,189.89	99.15	43.257		
8,600.00	5,738.68	5,808.95	5,514.57	109.59	37.54	-128.94	-3,021.21	1,342.20	4,361.14	4,259.83	101.32	43.045		
8,700.00	5,795.93	5,868.79	5,573.91	111.09	37.76	-129.53	-3,025.74	1,348.56	4,432.42	4,330.56	101.86	43.515		
8,800.00	5,853.19	5,939.23	5,643.92	112.60	38.00	-130.24	-3,029.80	1,355.08	4,503.97	4,401.51	102.46	43.960		
8,900.00	5,910.44	6,016.99	5,721.39	114.10	38.24	-131.03	-3,032.97	1,360.98	4,575.62	4,472.56	103.06	44.396		
9,000.00	5,967.69	6,107.97	5,812.18	115.60	38.50	-131.96	-3,035.24	1,366.24	4,647.33	4,543.62	103.71	44.810		
9,100.00	6,024.94	6,293.16	5,997.32	117.11	38.92	-133.85	-3,036.12	1,369.91	4,718.25	4,613.43	104.82	45.014		
9,200.00	6,082.19	6,351.37	6,055.53	118.61	39.03	-134.43	-3,036.22	1,369.97	4,788.85	4,683.70	105.14	45.547		
9,300.00	6,139.45	6,415.16	6,119.31	120.12	39.16	-135.05	-3,036.42	1,370.05	4,859.76	4,754.27	105.49	46.068		
9,400.00	6,196.70	6,480.36	6,184.52	121.62	39.28	-135.68	-3,036.64	1,370.03	4,930.93	4,825.08	105.85	46.586		
9,500.00	6,253.95	6,546.41	6,250.57	123.13	39.41	-136.29	-3,036.91	1,369.90	5,002.33	4,896.13	106.20	47.102		
9,600.00	6,311.20	6,628.36	6,332.51	124.63	39.56	-137.04	-3,037.32	1,369.46	5,073.85	4,967.22	106.64	47.581		
9,700.00	6,368.45	6,680.37	6,384.52	126.13	39.65	-137.51	-3,037.58	1,369.03	5,145.55	5,038.64	106.91	48.131		
9,800.00	6,425.71	6,734.00	6,438.15	127.64	39.75	-137.98	-3,037.72	1,368.63	5,217.66	5,110.47	107.18	48.679		
9,900.00	6,482.96	6,804.73	6,508.87	129.14	39.87	-138.60	-3,037.90	1,368.02	5,290.01	5,182.46	107.55	49.186		
10,000.00	6,540.21	6,869.86	6,574.00	130.65	39.99	-139.15	-3,038.18	1,367.30	5,362.44	5,254.55	107.89	49.702		
10,100.00	6,597.46	6,921.00	6,625.14	132.15	40.08	-139.57	-3,038.41	1,366.72	5,435.11	5,326.96	108.16	50.252		
10,200.00	6,654.71	6,975.64	6,679.78	133.66	40.18	-140.02	-3,038.64	1,366.15	5,508.09	5,399.64	108.44	50.792		
10,300.00	6,711.97	7,024.14	6,728.27	135.16	40.27	-140.41	-3,038.82	1,365.73	5,581.39	5,472.70	108.70	51.348		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 99-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,400.00	6,769.19	7,071.52	6,775.65	136.67	40.36	-142.36	-3,038.87	1,365.33	5,655.09	5,546.15	108.94	51.909	
10,500.00	6,824.05	7,138.67	6,842.80	138.22	40.48	-157.93	-3,038.67	1,364.62	5,734.19	5,624.87	109.32	52.453	
10,600.00	6,873.81	7,241.47	6,945.57	139.81	40.67	-176.99	-3,038.47	1,362.51	5,819.45	5,709.55	109.91	52.949	
10,700.00	6,916.95	7,297.77	7,001.86	141.38	40.77	-160.43	-3,038.87	1,361.49	5,908.56	5,798.31	110.25	53.593	
10,800.00	6,952.17	7,342.36	7,046.44	142.87	40.86	-136.67	-3,039.53	1,360.91	5,998.96	5,888.43	110.53	54.276	
10,900.00	6,978.39	7,375.80	7,079.88	144.24	40.93	-116.46	-3,040.23	1,360.60	6,088.10	5,977.38	110.72	54.985	
11,000.00	6,994.82	7,396.86	7,100.92	145.43	40.97	-101.99	-3,040.75	1,360.46	6,173.55	6,062.71	110.84	55.698	
11,100.00	7,000.96	7,403.38	7,107.44	146.41	40.99	-92.49	-3,040.92	1,360.42	6,253.01	6,142.12	110.88	56.393	
11,200.00	7,001.00	7,404.02	7,108.08	147.26	40.99	-91.87	-3,040.94	1,360.42	6,328.36	6,217.45	110.91	57.057	
11,300.00	7,001.00	7,404.62	7,108.68	148.14	40.99	-91.88	-3,040.95	1,360.42	6,404.37	6,293.41	110.96	57.719	
11,400.00	7,001.00	7,405.21	7,109.27	149.06	40.99	-91.89	-3,040.97	1,360.41	6,481.02	6,370.01	111.01	58.382	
11,500.00	7,001.00	7,405.80	7,109.86	150.00	40.99	-91.90	-3,040.98	1,360.41	6,558.30	6,447.23	111.07	59.045	
11,600.00	7,001.00	7,406.39	7,110.45	150.97	40.99	-91.90	-3,041.00	1,360.41	6,636.19	6,525.04	111.14	59.708	
11,700.00	7,001.00	7,406.97	7,111.03	151.97	41.00	-91.91	-3,041.01	1,360.40	6,714.66	6,603.44	111.22	60.371	
11,800.00	7,001.00	7,407.55	7,111.61	153.00	41.00	-91.92	-3,041.03	1,360.40	6,793.70	6,682.39	111.31	61.034	
11,900.00	7,001.00	7,408.13	7,112.19	154.06	41.00	-91.93	-3,041.04	1,360.40	6,873.29	6,761.89	111.40	61.698	
12,000.00	7,001.00	7,408.70	7,112.77	155.15	41.00	-91.94	-3,041.06	1,360.39	6,953.40	6,841.90	111.50	62.362	
12,100.00	7,001.00	7,409.27	7,113.34	156.27	41.00	-91.94	-3,041.07	1,360.39	7,034.02	6,922.42	111.61	63.026	
12,200.00	7,001.00	7,409.84	7,113.90	157.43	41.00	-91.95	-3,041.09	1,360.39	7,115.14	7,003.42	111.71	63.690	
12,300.00	7,001.00	7,410.41	7,114.47	158.61	41.00	-91.96	-3,041.10	1,360.38	7,196.73	7,084.90	111.83	64.355	
12,400.00	7,001.00	7,410.97	7,115.03	159.82	41.01	-91.97	-3,041.12	1,360.38	7,278.77	7,166.83	111.95	65.021	
12,500.00	7,001.00	7,411.53	7,115.59	161.07	41.01	-91.97	-3,041.13	1,360.38	7,361.27	7,249.20	112.07	65.687	
12,600.00	7,001.00	7,412.08	7,116.14	162.34	41.01	-91.98	-3,041.15	1,360.37	7,444.19	7,332.00	112.19	66.353	
12,700.00	7,001.00	7,412.64	7,116.70	163.64	41.01	-91.99	-3,041.16	1,360.37	7,527.53	7,415.21	112.32	67.020	
12,800.00	7,001.00	7,413.19	7,117.25	164.98	41.01	-92.00	-3,041.18	1,360.37	7,611.26	7,498.82	112.45	67.687	
12,900.00	7,001.00	7,413.73	7,117.79	166.34	41.01	-92.01	-3,041.19	1,360.36	7,695.39	7,582.81	112.58	68.355	
13,000.00	7,001.00	7,414.28	7,118.34	167.74	41.01	-92.01	-3,041.21	1,360.36	7,779.89	7,667.18	112.71	69.024	
13,100.00	7,001.00	7,414.82	7,118.88	169.16	41.01	-92.02	-3,041.22	1,360.36	7,864.76	7,751.91	112.85	69.693	
13,200.00	7,001.00	7,415.36	7,119.42	170.61	41.01	-92.03	-3,041.23	1,360.36	7,949.97	7,836.99	112.98	70.363	
13,300.00	7,001.00	7,415.89	7,119.95	172.10	41.02	-92.04	-3,041.25	1,360.35	8,035.53	7,922.41	113.12	71.034	
13,400.00	7,001.00	7,416.42	7,120.48	173.61	41.02	-92.04	-3,041.26	1,360.35	8,121.42	8,008.16	113.26	71.705	
13,500.00	7,001.00	7,416.95	7,121.01	175.15	41.02	-92.05	-3,041.28	1,360.35	8,207.63	8,094.23	113.40	72.377	
13,600.00	7,001.00	7,417.48	7,121.54	176.72	41.02	-92.06	-3,041.29	1,360.34	8,294.14	8,180.60	113.54	73.050	
13,700.00	7,001.00	7,418.00	7,122.06	178.31	41.02	-92.06	-3,041.30	1,360.34	8,380.96	8,267.28	113.68	73.723	
13,800.00	7,001.00	7,418.53	7,122.58	179.94	41.02	-92.07	-3,041.32	1,360.34	8,468.07	8,354.25	113.82	74.397	
13,900.00	7,001.00	7,419.04	7,123.10	181.59	41.02	-92.08	-3,041.33	1,360.34	8,555.46	8,441.50	113.96	75.071	
14,000.00	7,001.00	7,419.56	7,123.62	183.26	41.02	-92.09	-3,041.35	1,360.33	8,643.12	8,529.02	114.11	75.746	
14,100.00	7,001.00	7,420.07	7,124.13	184.97	41.03	-92.09	-3,041.36	1,360.33	8,731.05	8,616.80	114.25	76.422	
14,200.00	7,001.00	7,420.58	7,124.64	186.70	41.03	-92.10	-3,041.37	1,360.33	8,819.24	8,704.85	114.39	77.099	
14,300.00	7,001.00	7,421.09	7,125.15	188.45	41.03	-92.11	-3,041.39	1,360.32	8,907.67	8,793.14	114.53	77.776	
14,400.00	7,001.00	7,421.60	7,125.66	190.23	41.03	-92.11	-3,041.40	1,360.32	8,996.35	8,881.68	114.67	78.454	
14,500.00	7,001.00	7,422.10	7,126.16	192.03	41.03	-92.12	-3,041.41	1,360.32	9,085.26	8,970.45	114.81	79.132	
14,600.00	7,001.00	7,422.60	7,126.66	193.86	41.03	-92.13	-3,041.43	1,360.32	9,174.40	9,059.45	114.95	79.811	
14,700.00	7,001.00	7,423.10	7,127.16	195.71	41.03	-92.14	-3,041.44	1,360.31	9,263.77	9,148.67	115.09	80.491	
14,800.00	7,001.00	7,423.59	7,127.65	197.58	41.03	-92.14	-3,041.45	1,360.31	9,353.34	9,238.11	115.23	81.171	
14,900.00	7,001.00	7,424.09	7,128.14	199.47	41.03	-92.15	-3,041.47	1,360.31	9,443.13	9,327.76	115.37	81.852	
15,000.00	7,001.00	7,424.58	7,128.63	201.39	41.04	-92.16	-3,041.48	1,360.31	9,533.12	9,417.61	115.51	82.533	
15,100.00	7,001.00	7,425.07	7,129.12	203.32	41.04	-92.16	-3,041.49	1,360.30	9,623.31	9,507.67	115.64	83.215	
15,200.00	7,001.00	7,425.55	7,129.61	205.28	41.04	-92.17	-3,041.51	1,360.30	9,713.69	9,597.91	115.78	83.898	
15,300.00	7,001.00	7,426.03	7,130.09	207.25	41.04	-92.18	-3,041.52	1,360.30	9,804.26	9,688.34	115.92	84.581	
15,400.00	7,001.00	7,426.51	7,130.57	209.25	41.04	-92.18	-3,041.53	1,360.30	9,895.00	9,778.95	116.05	85.265	
15,500.00	7,001.00	7,426.99	7,131.05	211.26	41.04	-92.19	-3,041.55	1,360.29	9,985.93	9,869.74	116.18	85.949	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design		Sec 36-T7N-R67W - EXIST HZ BALDRIDGE 1-1 - Wellbore #1 - Wellbore #1										Offset Site Error:	0.00 usft
Survey Program: 99-MWD												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance									Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,600.00	7,001.00	7,427.47	7,131.52	213.30	41.04	92.20	-3,041.56	1,360.29	10,077.03	9,960.71	116.32	86.633	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 98-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	88.96	88.96	0.27	0.14	-176.06	-2,129.72	-146.73	2,134.83	2,134.43	0.40	5,294.490		
200.00	199.98	186.00	185.99	0.62	0.46	-18.26	-2,128.95	-148.02	2,132.48	2,131.40	1.08	1,972.110		
300.00	299.84	277.00	276.98	0.97	0.79	-18.31	-2,128.44	-148.72	2,127.01	2,125.25	1.76	1,207.975		
400.00	399.45	367.00	366.98	1.34	1.09	-18.44	-2,128.62	-148.39	2,118.89	2,116.46	2.43	871.388		
500.00	498.70	415.14	415.11	1.74	1.26	-18.57	-2,129.49	-147.93	2,108.89	2,105.93	2.96	712.453		
600.00	597.47	458.00	457.94	2.17	1.41	-18.72	-2,131.00	-147.40	2,097.77	2,094.29	3.48	603.439		
700.00	695.62	550.00	549.77	2.62	1.73	-19.02	-2,136.15	-145.38	2,085.09	2,080.91	4.18	498.906		
800.00	793.06	616.00	615.56	3.12	1.96	-19.32	-2,140.93	-143.26	2,070.54	2,065.74	4.80	431.160		
900.00	889.64	688.78	688.04	3.65	2.23	-19.71	-2,146.74	-140.13	2,053.70	2,048.24	5.46	375.827		
1,000.00	985.27	754.76	753.66	4.23	2.48	-20.12	-2,152.95	-137.06	2,035.09	2,028.98	6.12	332.710		
1,100.00	1,079.82	832.00	830.26	4.85	2.78	-20.67	-2,161.65	-132.47	2,015.04	2,008.21	6.83	295.064		
1,200.00	1,173.17	881.95	879.68	5.52	2.99	-21.12	-2,168.09	-129.06	1,993.36	1,985.90	7.46	267.272		
1,300.00	1,265.21	947.17	944.08	6.24	3.26	-21.71	-2,177.35	-124.56	1,970.23	1,962.06	8.17	241.282		
1,400.00	1,355.84	1,019.00	1,014.80	7.01	3.57	-22.41	-2,188.69	-119.16	1,945.63	1,936.71	8.92	218.058		
1,500.00	1,444.94	1,080.90	1,075.55	7.82	3.84	-23.12	-2,199.29	-113.82	1,919.48	1,909.81	9.67	198.484		
1,600.00	1,532.39	1,147.21	1,140.41	8.69	4.15	-23.96	-2,211.39	-107.18	1,891.78	1,881.32	10.46	180.836		
1,700.00	1,618.11	1,207.00	1,198.68	9.61	4.44	-24.81	-2,223.09	-100.65	1,862.79	1,851.53	11.26	165.426		
1,800.00	1,701.97	1,266.44	1,256.33	10.58	4.74	-25.75	-2,235.65	-93.49	1,832.78	1,820.68	12.10	151.523		
1,900.00	1,783.88	1,321.75	1,309.67	11.59	5.03	-26.72	-2,248.27	-86.06	1,802.03	1,789.08	12.95	139.144		
2,000.00	1,863.74	1,376.33	1,361.98	12.66	5.33	-27.76	-2,261.64	-78.13	1,770.67	1,756.82	13.85	127.885		
2,100.00	1,941.45	1,433.16	1,416.14	13.77	5.65	-28.93	-2,276.45	-69.29	1,738.77	1,723.97	14.80	117.480		
2,200.00	2,016.92	1,488.00	1,468.10	14.94	5.98	-30.15	-2,291.48	-60.28	1,706.32	1,690.53	15.80	108.028		
2,300.00	2,090.05	1,547.87	1,524.50	16.14	6.35	-31.55	-2,308.68	-49.94	1,673.46	1,656.58	16.88	99.141		
2,400.00	2,160.76	1,605.77	1,578.73	17.40	6.72	-33.01	-2,326.07	-39.49	1,640.31	1,622.30	18.02	91.045		
2,500.00	2,228.95	1,675.00	1,643.21	18.69	7.19	-34.80	-2,347.68	-26.51	1,606.99	1,587.69	19.30	83.268		
2,600.00	2,294.55	1,722.59	1,687.31	20.03	7.52	-36.24	-2,363.07	-17.39	1,573.54	1,553.02	20.52	76.687		
2,700.00	2,357.48	1,780.73	1,740.95	21.41	7.93	-38.00	-2,382.51	-6.20	1,540.32	1,518.43	21.89	70.361		
2,800.00	2,417.66	1,843.39	1,798.55	22.83	8.38	-39.95	-2,404.06	5.78	1,507.29	1,483.90	23.39	64.435		
2,900.00	2,475.32	1,914.26	1,863.56	24.29	8.91	-42.00	-2,428.95	19.08	1,474.69	1,449.63	25.06	58.847		
3,000.00	2,532.58	1,986.36	1,929.71	25.75	9.44	-43.89	-2,454.38	32.31	1,444.17	1,417.34	26.83	53.830		
3,100.00	2,589.83	2,056.00	1,993.53	27.22	9.97	-45.76	-2,479.02	45.38	1,416.43	1,387.77	28.67	49.412		
3,200.00	2,647.08	2,142.90	2,073.29	28.70	10.62	-48.16	-2,509.31	61.86	1,391.18	1,360.42	30.76	45.233		
3,300.00	2,704.33	2,206.37	2,131.58	30.17	11.11	-49.95	-2,531.33	73.92	1,368.76	1,336.05	32.71	41.840		
3,400.00	2,761.58	2,283.47	2,202.25	31.65	11.70	-52.15	-2,558.46	88.52	1,349.74	1,314.86	34.88	38.692		
3,500.00	2,818.84	2,380.88	2,291.98	33.13	12.43	-54.99	-2,591.92	106.37	1,333.11	1,295.76	37.35	35.693		
3,600.00	2,876.09	2,468.52	2,373.34	34.62	13.08	-57.59	-2,620.59	121.84	1,318.41	1,278.62	39.79	33.133		
3,700.00	2,933.34	2,544.30	2,443.84	36.10	13.63	-59.88	-2,644.95	135.24	1,306.90	1,264.73	42.17	30.992		
3,800.00	2,990.59	2,621.52	2,515.75	37.59	14.19	-62.22	-2,669.75	148.53	1,298.70	1,254.10	44.60	29.117		
3,900.00	3,047.84	2,691.52	2,580.95	39.08	14.70	-64.36	-2,692.25	160.49	1,294.09	1,247.11	46.98	27.546		
3,963.69	3,084.31	2,730.91	2,617.60	40.03	14.99	-65.56	-2,704.97	167.31	1,293.19	1,244.76	48.43	26.703 CC		
4,000.00	3,105.10	2,752.03	2,637.20	40.57	15.15	-66.20	-2,711.88	171.02	1,293.49	1,244.25	49.23	26.272 ES		
4,100.00	3,162.35	2,812.76	2,693.40	42.06	15.60	-68.05	-2,732.16	181.93	1,297.32	1,245.85	51.47	25.207		
4,200.00	3,219.60	2,883.02	2,758.26	43.55	16.14	-70.16	-2,755.95	194.71	1,305.09	1,251.30	53.80	24.260		
4,300.00	3,276.85	2,974.78	2,843.17	45.05	16.83	-72.91	-2,786.62	211.11	1,316.02	1,259.61	56.40	23.332		
4,400.00	3,334.10	3,062.69	2,925.01	46.54	17.47	-75.52	-2,815.10	225.98	1,329.37	1,270.46	58.91	22.567		
4,500.00	3,391.35	3,129.29	2,987.10	48.03	17.96	-77.48	-2,836.54	236.97	1,345.75	1,284.72	61.03	22.051		
4,600.00	3,448.61	3,192.26	3,045.67	49.53	18.43	-79.31	-2,856.93	247.83	1,365.97	1,302.96	63.01	21.679		
4,700.00	3,505.86	3,260.05	3,108.63	51.03	18.93	-81.24	-2,879.04	259.80	1,389.65	1,324.67	64.98	21.386		
4,800.00	3,563.11	3,336.23	3,179.39	52.52	19.49	-83.37	-2,903.80	273.31	1,416.34	1,349.34	67.00	21.138		
4,900.00	3,620.36	3,407.58	3,245.84	54.02	20.02	-85.34	-2,926.52	285.96	1,445.71	1,376.85	68.86	20.996		
5,000.00	3,677.61	3,480.67	3,314.02	55.52	20.55	-87.32	-2,949.32	299.14	1,477.88	1,407.23	70.65	20.919		
5,100.00	3,734.87	3,562.17	3,390.27	57.02	21.14	-89.49	-2,974.28	313.46	1,512.19	1,439.70	72.49	20.860 SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 98-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,792.12	3,629.65	3,453.57	58.51	21.62	-91.24	-2,994.41	325.29	1,548.83	1,474.82	74.01	20.927		
5,300.00	3,849.37	3,692.29	3,512.40	60.01	22.06	-92.84	-3,012.79	336.52	1,588.02	1,512.66	75.36	21.073		
5,400.00	3,906.62	3,774.40	3,589.43	61.51	22.64	-94.87	-3,036.98	351.48	1,629.60	1,552.63	76.97	21.171		
5,500.00	3,963.87	3,869.82	3,679.61	63.01	23.30	-97.18	-3,063.92	367.16	1,671.76	1,593.03	78.73	21.234		
5,600.00	4,021.13	3,937.38	3,743.39	64.51	23.76	-98.74	-3,083.37	378.04	1,715.65	1,635.69	79.96	21.456		
5,700.00	4,078.38	3,998.23	3,800.60	66.01	24.19	-100.09	-3,101.48	388.12	1,761.56	1,680.53	81.03	21.739		
5,800.00	4,135.63	4,058.11	3,856.61	67.51	24.62	-101.35	-3,119.97	398.44	1,809.44	1,727.38	82.06	22.050		
5,900.00	4,192.88	4,118.48	3,912.70	69.01	25.07	-102.56	-3,139.46	409.34	1,859.16	1,776.09	83.07	22.380		
6,000.00	4,250.13	4,182.58	3,971.86	70.51	25.56	-103.77	-3,161.02	421.35	1,910.46	1,826.30	84.15	22.702		
6,100.00	4,307.39	4,252.69	4,036.14	72.02	26.12	-105.02	-3,185.53	434.85	1,963.05	1,877.70	85.35	22.999		
6,200.00	4,364.64	4,340.84	4,116.52	73.52	26.83	-106.49	-3,217.45	451.88	2,016.48	1,929.56	86.92	23.198		
6,300.00	4,421.89	4,424.23	4,192.64	75.02	27.50	-107.81	-3,247.89	467.14	2,069.90	1,981.52	88.38	23.419		
6,400.00	4,479.14	4,486.00	4,248.89	76.52	28.01	-108.75	-3,270.61	478.76	2,124.43	2,035.03	89.40	23.764		
6,500.00	4,536.39	4,550.56	4,307.66	78.02	28.53	-109.69	-3,294.27	491.22	2,180.03	2,089.58	90.45	24.101		
6,600.00	4,593.64	4,636.03	4,385.69	79.52	29.22	-110.90	-3,325.05	507.60	2,236.33	2,144.41	91.91	24.331		
6,700.00	4,650.90	4,727.43	4,469.33	81.03	29.96	-112.15	-3,357.90	524.30	2,292.59	2,199.11	93.47	24.526		
6,800.00	4,708.15	4,811.64	4,545.95	82.53	30.64	-113.22	-3,389.36	539.52	2,348.99	2,254.09	94.90	24.752		
6,900.00	4,765.40	4,888.55	4,616.36	84.03	31.25	-114.18	-3,417.22	552.96	2,405.72	2,309.57	96.15	25.020		
7,000.00	4,822.65	4,954.00	4,676.74	85.53	31.76	-114.99	-3,439.88	564.08	2,463.02	2,365.88	97.14	25.356		
7,100.00	4,879.90	5,018.79	4,736.88	87.04	32.24	-115.80	-3,461.38	575.01	2,521.08	2,423.01	98.07	25.708		
7,200.00	4,937.16	5,077.85	4,791.94	88.54	32.68	-116.53	-3,480.24	585.04	2,580.03	2,481.17	98.86	26.098		
7,300.00	4,994.41	5,141.00	4,851.05	90.04	33.14	-117.30	-3,499.66	595.84	2,639.87	2,540.17	99.71	26.476		
7,400.00	5,051.66	5,222.31	4,927.44	91.54	33.71	-118.28	-3,523.96	609.47	2,700.20	2,599.35	100.85	26.774		
7,500.00	5,108.91	5,303.26	5,003.77	93.05	34.27	-119.24	-3,547.64	622.38	2,760.63	2,658.67	101.96	27.076		
7,600.00	5,166.16	5,437.33	5,131.64	94.55	35.13	-120.84	-3,583.40	640.60	2,820.84	2,717.02	103.82	27.170		
7,700.00	5,223.42	5,489.67	5,182.25	96.05	35.42	-121.50	-3,595.45	646.42	2,880.89	2,776.60	104.28	27.626		
7,800.00	5,280.67	5,559.58	5,250.23	97.56	35.79	-122.38	-3,610.09	653.62	2,941.62	2,836.68	104.94	28.030		
7,900.00	5,337.92	5,632.60	5,321.57	99.06	36.16	-123.30	-3,624.10	660.34	3,002.76	2,897.16	105.59	28.438		
8,000.00	5,395.17	5,696.34	5,384.19	100.56	36.45	-124.12	-3,634.86	665.46	3,064.46	2,958.40	106.06	28.894		
8,100.00	5,452.42	5,763.54	5,450.52	102.07	36.73	-124.99	-3,644.53	670.02	3,126.78	3,020.28	106.50	29.361		
8,200.00	5,509.68	5,836.88	5,523.22	103.57	37.02	-125.95	-3,653.42	673.99	3,189.61	3,082.68	106.94	29.827		
8,300.00	5,566.93	5,914.87	5,600.61	105.08	37.31	-126.96	-3,662.33	677.53	3,252.77	3,145.38	107.39	30.290		
8,400.00	5,624.18	5,986.63	5,671.93	106.58	37.56	-127.88	-3,669.84	680.13	3,316.31	3,208.56	107.75	30.779		
8,500.00	5,681.43	6,043.58	5,728.61	108.08	37.75	-128.60	-3,675.21	681.84	3,380.40	3,272.46	107.94	31.316		
8,600.00	5,738.68	6,103.54	5,788.33	109.59	37.94	-129.35	-3,680.26	683.38	3,445.16	3,337.01	108.15	31.856		
8,700.00	5,795.93	6,168.45	5,853.04	111.09	38.14	-130.15	-3,685.19	684.69	3,510.44	3,402.07	108.37	32.393		
8,800.00	5,853.19	6,221.35	5,905.81	112.60	38.29	-130.80	-3,688.77	685.52	3,576.30	3,467.82	108.48	32.968		
8,900.00	5,910.44	6,266.00	5,950.38	114.10	38.42	-131.35	-3,691.44	686.13	3,642.85	3,534.34	108.51	33.571		
9,000.00	5,967.69	6,312.47	5,996.79	115.60	38.55	-131.91	-3,693.79	686.72	3,710.14	3,601.60	108.54	34.182		
9,100.00	6,024.94	6,359.00	6,043.27	117.11	38.67	-132.47	-3,695.65	687.30	3,778.26	3,669.69	108.56	34.802		
9,200.00	6,082.19	6,391.10	6,075.35	118.61	38.75	-132.85	-3,696.62	687.70	3,847.14	3,738.67	108.46	35.469		
9,300.00	6,139.45	6,428.60	6,112.85	120.12	38.84	-133.30	-3,697.43	688.15	3,916.80	3,808.40	108.40	36.134		
9,400.00	6,196.70	6,479.85	6,164.09	121.62	38.96	-133.91	-3,698.05	688.73	3,987.17	3,878.75	108.42	36.774		
9,500.00	6,253.95	6,560.29	6,244.52	123.13	39.14	-134.84	-3,699.03	689.30	4,057.79	3,949.13	108.66	37.344		
9,600.00	6,311.20	6,622.93	6,307.15	124.63	39.28	-135.54	-3,699.86	689.56	4,128.63	4,019.85	108.77	37.957		
9,700.00	6,368.45	6,681.61	6,365.83	126.13	39.41	-136.19	-3,700.62	689.71	4,199.78	4,090.92	108.86	38.579		
9,800.00	6,425.71	6,738.79	6,423.00	127.64	39.54	-136.80	-3,701.19	689.74	4,271.32	4,162.38	108.94	39.207		
9,900.00	6,482.96	6,816.29	6,500.50	129.14	39.71	-137.62	-3,702.04	689.62	4,343.09	4,233.91	109.17	39.782		
10,000.00	6,540.21	6,877.83	6,562.04	130.65	39.84	-138.25	-3,702.84	689.39	4,415.01	4,305.71	109.30	40.395		
10,100.00	6,597.46	6,942.16	6,626.35	132.15	39.98	-138.89	-3,703.58	689.05	4,487.24	4,377.79	109.45	41.000		
10,200.00	6,654.71	7,025.36	6,709.55	133.66	40.16	-139.70	-3,704.85	688.45	4,559.54	4,449.80	109.74	41.549		
10,300.00	6,711.97	7,095.89	6,780.06	135.16	40.33	-140.36	-3,706.27	687.89	4,631.91	4,521.95	109.96	42.123		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 98-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,769.19	7,160.48	6,844.63	136.67	40.48	-142.50	-3,707.82	687.42	4,704.48	4,594.33	110.16	42.706		
10,500.00	6,824.05	7,219.13	6,903.26	138.22	40.62	-157.76	-3,709.40	687.08	4,782.46	4,672.05	110.41	43.317		
10,600.00	6,873.81	7,268.35	6,952.46	139.81	40.74	-176.24	-3,710.90	686.98	4,867.27	4,756.56	110.71	43.965		
10,700.00	6,916.95	7,325.11	7,009.17	141.38	40.89	-161.54	-3,712.94	687.13	4,956.23	4,845.06	111.17	44.583		
10,800.00	6,952.17	7,394.79	7,078.76	142.87	41.09	-138.37	-3,716.40	687.70	5,046.50	4,934.67	111.83	45.126		
10,900.00	6,978.39	7,473.30	7,157.13	144.24	41.32	-119.01	-3,721.25	688.33	5,135.54	5,022.89	112.65	45.590		
11,000.00	6,994.82	7,466.58	7,150.41	145.43	41.30	-103.61	-3,720.89	688.25	5,221.11	5,108.31	112.80	46.288		
11,100.00	7,000.96	7,472.42	7,156.25	146.41	41.32	-93.70	-3,721.25	688.29	5,301.16	5,188.04	113.12	46.862		
11,200.00	7,001.00	7,471.67	7,155.50	147.26	41.32	-93.02	-3,721.21	688.29	5,377.37	5,263.93	113.44	47.401		
11,300.00	7,001.00	7,470.88	7,154.71	148.14	41.32	-93.01	-3,721.16	688.28	5,454.32	5,340.56	113.76	47.944		
11,400.00	7,001.00	7,470.09	7,153.91	149.06	41.31	-93.00	-3,721.11	688.27	5,532.01	5,417.93	114.08	48.492		
11,500.00	7,001.00	7,469.29	7,153.12	150.00	41.31	-92.99	-3,721.06	688.27	5,610.40	5,496.01	114.40	49.044		
11,600.00	7,001.00	7,468.50	7,152.33	150.97	41.31	-92.97	-3,721.01	688.26	5,689.47	5,574.77	114.71	49.600		
11,700.00	7,001.00	7,467.71	7,151.54	151.97	41.31	-92.96	-3,720.96	688.25	5,769.19	5,654.18	115.02	50.160		
11,800.00	7,001.00	7,466.92	7,150.75	153.00	41.31	-92.95	-3,720.91	688.25	5,849.54	5,734.22	115.32	50.724		
11,900.00	7,001.00	7,466.12	7,149.96	154.06	41.30	-92.93	-3,720.86	688.24	5,930.48	5,814.86	115.62	51.292		
12,000.00	7,001.00	7,465.33	7,149.17	155.15	41.30	-92.92	-3,720.81	688.24	6,011.99	5,896.08	115.92	51.864		
12,100.00	7,001.00	7,464.54	7,148.38	156.27	41.30	-92.91	-3,720.76	688.23	6,094.06	5,977.85	116.21	52.440		
12,200.00	7,001.00	7,463.75	7,147.59	157.43	41.30	-92.89	-3,720.71	688.22	6,176.65	6,060.15	116.50	53.020		
12,300.00	7,001.00	7,462.95	7,146.80	158.61	41.29	-92.88	-3,720.66	688.22	6,259.75	6,142.97	116.78	53.603		
12,400.00	7,001.00	7,462.16	7,146.01	159.82	41.29	-92.87	-3,720.62	688.21	6,343.34	6,226.28	117.06	54.189		
12,500.00	7,001.00	7,461.37	7,145.21	161.07	41.29	-92.85	-3,720.57	688.20	6,427.40	6,310.07	117.33	54.779		
12,600.00	7,001.00	7,460.58	7,144.42	162.34	41.29	-92.84	-3,720.52	688.20	6,511.91	6,394.31	117.60	55.373		
12,700.00	7,001.00	7,459.78	7,143.63	163.64	41.28	-92.83	-3,720.47	688.19	6,596.85	6,478.98	117.87	55.969		
12,800.00	7,001.00	7,458.99	7,142.84	164.98	41.28	-92.81	-3,720.42	688.19	6,682.21	6,564.08	118.13	56.569		
12,900.00	7,001.00	7,458.20	7,142.05	166.34	41.28	-92.80	-3,720.37	688.18	6,767.97	6,649.59	118.38	57.171		
13,000.00	7,001.00	7,457.41	7,141.26	167.74	41.28	-92.79	-3,720.32	688.17	6,854.11	6,735.48	118.63	57.777		
13,100.00	7,001.00	7,456.61	7,140.47	169.16	41.27	-92.78	-3,720.27	688.17	6,940.63	6,821.75	118.88	58.385		
13,200.00	7,001.00	7,455.82	7,139.68	170.61	41.27	-92.76	-3,720.22	688.16	7,027.50	6,908.38	119.12	58.997		
13,300.00	7,001.00	7,455.03	7,138.89	172.10	41.27	-92.75	-3,720.17	688.16	7,114.72	6,995.37	119.35	59.611		
13,400.00	7,001.00	7,454.24	7,138.10	173.61	41.27	-92.74	-3,720.12	688.15	7,202.27	7,082.69	119.59	60.227		
13,500.00	7,001.00	7,453.44	7,137.31	175.15	41.26	-92.72	-3,720.07	688.14	7,290.14	7,170.33	119.81	60.846		
13,600.00	7,001.00	7,452.65	7,136.51	176.72	41.26	-92.71	-3,720.02	688.14	7,378.32	7,258.29	120.04	61.468		
13,700.00	7,001.00	7,451.86	7,135.72	178.31	41.26	-92.70	-3,719.97	688.13	7,466.80	7,346.55	120.26	62.091		
13,800.00	7,001.00	7,451.07	7,134.93	179.94	41.26	-92.68	-3,719.93	688.12	7,555.57	7,435.10	120.47	62.717		
13,900.00	7,001.00	7,450.28	7,134.14	181.59	41.26	-92.67	-3,719.88	688.12	7,644.61	7,523.93	120.68	63.346		
14,000.00	7,001.00	7,449.48	7,133.35	183.26	41.25	-92.66	-3,719.83	688.11	7,733.92	7,613.03	120.89	63.976		
14,100.00	7,001.00	7,448.69	7,132.56	184.97	41.25	-92.64	-3,719.78	688.11	7,823.49	7,702.40	121.09	64.608		
14,200.00	7,001.00	7,447.90	7,131.77	186.70	41.25	-92.63	-3,719.73	688.10	7,913.31	7,792.02	121.29	65.243		
14,300.00	7,001.00	7,447.11	7,130.98	188.45	41.25	-92.62	-3,719.68	688.09	8,003.37	7,881.88	121.49	65.879		
14,400.00	7,001.00	7,446.31	7,130.19	190.23	41.24	-92.60	-3,719.63	688.09	8,093.66	7,971.98	121.68	66.517		
14,500.00	7,001.00	7,445.52	7,129.40	192.03	41.24	-92.59	-3,719.58	688.08	8,184.18	8,062.31	121.87	67.157		
14,600.00	7,001.00	7,444.73	7,128.61	193.86	41.24	-92.58	-3,719.53	688.07	8,274.91	8,152.86	122.05	67.799		
14,700.00	7,001.00	7,503.23	7,186.98	195.71	41.41	-93.55	-3,723.30	688.46	8,365.96	8,243.32	122.64	68.216		
14,800.00	7,001.00	7,499.40	7,183.17	197.58	41.40	-93.48	-3,723.03	688.45	8,457.11	8,334.32	122.80	68.872		
14,900.00	7,001.00	7,495.06	7,178.83	199.47	41.39	-93.41	-3,722.73	688.43	8,548.47	8,425.52	122.94	69.531		
15,000.00	7,001.00	7,490.08	7,173.87	201.39	41.37	-93.33	-3,722.39	688.41	8,640.01	8,516.93	123.09	70.195		
15,100.00	7,001.00	7,484.31	7,168.11	203.32	41.36	-93.23	-3,721.99	688.38	8,731.74	8,608.52	123.22	70.863		
15,200.00	7,001.00	7,477.56	7,161.37	205.28	41.34	-93.12	-3,721.54	688.35	8,823.65	8,700.31	123.34	71.537		
15,300.00	7,001.00	7,469.53	7,153.37	207.25	41.31	-92.99	-3,721.00	688.30	8,915.74	8,792.28	123.46	72.217		
15,400.00	7,001.00	7,459.85	7,143.70	209.25	41.28	-92.83	-3,720.37	688.25	9,007.99	8,884.43	123.56	72.905		
15,500.00	7,001.00	7,447.93	7,131.81	211.26	41.25	-92.63	-3,719.61	688.17	9,100.40	8,976.76	123.64	73.604		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - EXIST HZ BALDRIDGE 17-1 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 98-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,600.00	7,001.00	7,432.91	7,116.82	213.30	41.20	92.38	-3,718.66	688.05	9,192.97	9,069.27	123.70	74.316	
15,700.00	7,001.00	7,413.38	7,097.32	215.35	41.15	92.06	-3,717.48	687.88	9,285.70	9,161.97	123.73	75.048	
15,800.00	7,001.00	7,389.89	7,073.87	217.42	41.07	91.67	-3,716.12	687.65	9,378.57	9,254.84	123.73	75.797	
15,900.00	7,001.00	7,388.77	7,072.75	219.50	41.07	91.65	-3,716.06	687.63	9,471.59	9,347.71	123.88	76.458	
16,000.00	7,001.00	7,387.66	7,071.65	221.60	41.07	91.63	-3,716.00	687.62	9,564.74	9,440.72	124.02	77.120	
16,100.00	7,001.00	7,386.58	7,070.57	223.72	41.07	91.62	-3,715.94	687.61	9,658.04	9,533.87	124.17	77.782	
16,200.00	7,001.00	7,385.52	7,069.51	225.85	41.06	91.60	-3,715.88	687.60	9,751.46	9,627.15	124.31	78.446	
16,300.00	7,001.00	7,384.47	7,068.47	228.00	41.06	91.58	-3,715.82	687.59	9,845.02	9,720.57	124.45	79.111	
16,400.00	7,001.00	7,383.45	7,067.44	230.16	41.06	91.56	-3,715.76	687.58	9,938.70	9,814.12	124.58	79.776	
16,500.00	7,001.00	7,382.44	7,066.44	232.34	41.05	91.55	-3,715.71	687.57	10,032.50	9,907.78	124.72	80.442	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 128-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
100.00	100.00	90.85	90.85	0.27	0.14	-175.68	-2,130.04	-161.09	2,136.21	2,135.80	0.41	5,179.845	
200.00	199.98	190.88	190.87	0.62	0.43	-17.90	-2,128.88	-161.50	2,133.43	2,132.38	1.04	2,041.600	
300.00	299.84	274.29	274.28	0.97	0.72	-17.96	-2,128.35	-162.03	2,127.87	2,126.18	1.70	1,255.062	
400.00	399.45	366.03	366.02	1.34	1.04	-18.06	-2,128.42	-162.66	2,119.69	2,117.31	2.38	889.847	
500.00	498.70	439.40	439.38	1.74	1.30	-18.19	-2,128.82	-163.09	2,108.75	2,105.74	3.01	701.700	
600.00	597.47	504.77	504.74	2.17	1.53	-18.36	-2,130.33	-163.17	2,096.15	2,092.54	3.60	581.637	
700.00	695.62	580.00	579.91	2.62	1.79	-18.60	-2,133.09	-162.53	2,081.58	2,077.34	4.24	490.587	
800.00	793.06	667.67	667.47	3.12	2.09	-18.93	-2,137.09	-161.31	2,064.61	2,059.67	4.94	418.012	
900.00	889.64	762.68	762.37	3.65	2.43	-19.33	-2,141.72	-160.30	2,044.77	2,039.10	5.68	360.304	
1,000.00	985.27	864.89	864.47	4.23	2.80	-19.82	-2,146.52	-159.26	2,021.59	2,015.14	6.45	313.388	
1,100.00	1,079.82	953.10	952.57	4.85	3.12	-20.33	-2,150.63	-158.38	1,995.28	1,988.09	7.19	277.502	
1,200.00	1,173.17	1,019.00	1,018.37	5.52	3.36	-20.82	-2,154.20	-157.41	1,966.68	1,958.81	7.87	250.023	
1,300.00	1,265.21	1,081.37	1,080.57	6.24	3.59	-21.36	-2,158.56	-156.16	1,936.53	1,927.99	8.55	226.546	
1,400.00	1,355.84	1,139.62	1,138.57	7.01	3.81	-21.93	-2,163.86	-154.81	1,905.30	1,896.06	9.24	206.302	
1,500.00	1,444.84	1,206.00	1,204.55	7.82	4.06	-22.60	-2,171.01	-153.73	1,872.72	1,862.74	9.97	187.761	
1,600.00	1,532.39	1,267.20	1,265.27	8.69	4.30	-23.31	-2,178.52	-152.57	1,838.69	1,827.97	10.72	171.545	
1,700.00	1,618.11	1,328.42	1,325.88	9.61	4.55	-24.11	-2,186.90	-150.55	1,803.26	1,791.76	11.49	156.908	
1,800.00	1,701.97	1,394.00	1,390.59	10.58	4.82	-25.05	-2,197.12	-147.57	1,766.79	1,754.48	12.31	143.469	
1,900.00	1,783.88	1,456.15	1,451.75	11.59	5.08	-26.06	-2,207.64	-144.14	1,729.04	1,715.88	13.16	131.373	
2,000.00	1,863.74	1,526.40	1,520.74	12.66	5.38	-27.28	-2,220.11	-139.76	1,689.71	1,675.63	14.08	120.000	
2,100.00	1,941.45	1,595.58	1,588.53	13.77	5.69	-28.62	-2,233.05	-135.02	1,649.00	1,633.96	15.04	109.613	
2,200.00	2,016.92	1,668.24	1,659.63	14.94	6.02	-30.14	-2,247.24	-130.14	1,606.86	1,590.78	16.07	99.967	
2,300.00	2,090.05	1,750.53	1,740.11	16.14	6.40	-31.94	-2,263.71	-125.45	1,563.07	1,545.87	17.20	90.874	
2,400.00	2,160.76	1,832.19	1,820.02	17.40	6.78	-33.90	-2,280.13	-121.71	1,517.42	1,499.03	18.39	82.520	
2,500.00	2,228.95	1,911.07	1,897.20	18.69	7.16	-36.04	-2,295.93	-117.77	1,470.13	1,450.49	19.64	74.835	
2,600.00	2,294.55	1,990.76	1,975.16	20.03	7.54	-38.48	-2,311.72	-112.98	1,421.48	1,400.48	21.00	67.690	
2,700.00	2,357.48	2,068.64	2,051.42	21.41	7.91	-41.14	-2,326.81	-108.27	1,371.48	1,349.02	22.45	61.083	
2,800.00	2,417.66	2,133.55	2,114.95	22.83	8.22	-43.71	-2,339.57	-104.56	1,320.95	1,296.98	23.97	55.113	
2,900.00	2,475.32	2,206.85	2,186.68	24.29	8.57	-46.37	-2,354.12	-100.43	1,270.45	1,244.80	25.65	49.529	
3,000.00	2,532.58	2,279.33	2,257.66	25.75	8.92	-48.71	-2,368.22	-96.24	1,221.54	1,194.08	27.46	44.487	
3,100.00	2,589.83	2,350.49	2,327.35	27.22	9.26	-51.10	-2,382.09	-92.68	1,174.88	1,145.49	29.38	39.983	
3,200.00	2,647.08	2,419.43	2,394.89	28.70	9.60	-53.52	-2,395.53	-89.29	1,130.86	1,099.43	31.43	35.979	
3,300.00	2,704.33	2,476.94	2,451.17	30.17	9.88	-55.64	-2,406.87	-86.05	1,090.19	1,056.64	33.55	32.495	
3,400.00	2,761.58	2,538.30	2,511.11	31.65	10.18	-58.00	-2,419.29	-81.81	1,053.70	1,017.89	35.81	29.426	
3,500.00	2,818.84	2,612.90	2,583.99	33.13	10.55	-60.96	-2,434.50	-76.90	1,020.97	982.72	38.25	26.689	
3,600.00	2,876.09	2,674.95	2,644.55	34.62	10.87	-63.49	-2,447.47	-73.11	992.47	951.78	40.70	24.388	
3,700.00	2,933.34	2,738.94	2,706.87	36.10	11.19	-66.14	-2,461.41	-69.20	968.91	925.71	43.19	22.432	
3,800.00	2,990.59	2,805.92	2,772.03	37.59	11.54	-68.98	-2,476.28	-64.83	950.49	904.76	45.73	20.786	
3,900.00	3,047.84	2,897.28	2,861.12	39.08	12.01	-72.93	-2,495.84	-59.48	936.37	887.91	48.45	19.325	
4,000.00	3,105.10	2,965.97	2,928.17	40.57	12.35	-75.93	-2,510.33	-56.10	926.83	875.91	50.92	18.203	
4,100.00	3,162.35	3,036.24	2,996.69	42.06	12.71	-79.00	-2,525.64	-52.94	922.66	869.39	53.27	17.319	
4,127.03	3,177.82	3,055.32	3,015.27	42.46	12.81	-79.83	-2,529.87	-52.12	922.47	868.58	53.89	17.119 CC	
4,200.00	3,219.60	3,112.31	3,070.78	43.55	13.10	-82.31	-2,542.58	-49.78	923.81	868.28	55.53	16.635 ES	
4,300.00	3,276.85	3,192.10	3,148.62	45.05	13.51	-85.77	-2,559.89	-47.17	929.49	871.84	57.65	16.123	
4,400.00	3,334.10	3,258.99	3,213.92	46.54	13.85	-88.65	-2,574.20	-44.95	940.35	880.92	59.43	15.824	
4,500.00	3,391.35	3,327.29	3,280.63	48.03	14.20	-91.56	-2,588.65	-42.37	956.55	895.56	60.99	15.684 SF	
4,600.00	3,448.61	3,393.14	3,344.99	49.53	14.53	-94.34	-2,602.27	-39.60	977.84	915.54	62.30	15.696	
4,700.00	3,505.86	3,455.92	3,406.44	51.03	14.84	-96.94	-2,614.79	-36.49	1,004.19	940.85	63.34	15.853	
4,800.00	3,563.11	3,526.89	3,476.00	52.52	15.19	-99.83	-2,628.34	-32.74	1,035.07	970.79	64.28	16.102	
4,900.00	3,620.36	3,601.27	3,549.02	54.02	15.55	-102.77	-2,641.97	-29.03	1,069.79	1,004.71	65.08	16.438	
5,000.00	3,677.61	3,675.65	3,622.12	55.52	15.91	-105.62	-2,655.33	-25.81	1,107.77	1,042.04	65.73	16.853	
5,100.00	3,734.87	3,747.49	3,692.79	57.02	16.25	-108.26	-2,667.98	-22.97	1,148.90	1,082.67	66.23	17.347	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 128-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,792.12	3,826.05	3,769.91	58.51	16.63	-110.99	-2,682.63	-20.17	1,192.66	1,125.92	66.74	17.870		
5,300.00	3,849.37	3,902.05	3,844.25	60.01	17.01	-113.44	-2,698.25	-17.67	1,238.58	1,171.38	67.20	18.431		
5,400.00	3,906.62	3,977.23	3,917.51	61.51	17.40	-115.68	-2,714.93	-15.19	1,286.43	1,218.79	67.64	19.018		
5,500.00	3,963.87	4,053.29	3,991.52	63.01	17.80	-117.82	-2,732.31	-12.74	1,336.02	1,267.94	68.08	19.624		
5,600.00	4,021.13	4,129.75	4,065.91	64.51	18.20	-119.85	-2,749.85	-10.54	1,387.05	1,318.54	68.50	20.247		
5,700.00	4,078.38	4,202.11	4,136.50	66.01	18.57	-121.71	-2,765.67	-8.88	1,439.50	1,370.66	68.83	20.913		
5,800.00	4,135.63	4,269.33	4,202.27	67.51	18.91	-123.38	-2,779.48	-7.62	1,493.47	1,424.41	69.05	21.627		
5,900.00	4,192.88	4,336.57	4,268.20	69.01	19.24	-125.00	-2,792.63	-6.46	1,548.96	1,479.70	69.25	22.366		
6,000.00	4,250.13	4,402.78	4,333.17	70.51	19.56	-126.53	-2,805.30	-5.33	1,605.80	1,536.37	69.43	23.127		
6,100.00	4,307.39	4,461.84	4,391.16	72.02	19.85	-127.83	-2,816.45	-4.07	1,664.10	1,594.57	69.53	23.932		
6,200.00	4,364.64	4,532.14	4,460.17	73.52	20.19	-129.30	-2,829.73	-2.19	1,723.72	1,653.92	69.80	24.697		
6,300.00	4,421.89	4,603.16	4,529.79	75.02	20.54	-130.69	-2,843.61	-0.29	1,783.99	1,713.89	70.09	25.452		
6,400.00	4,479.14	4,661.62	4,587.15	76.52	20.82	-131.78	-2,854.79	1.41	1,845.34	1,775.10	70.24	26.272		
6,500.00	4,536.39	4,719.90	4,644.39	78.02	21.10	-132.83	-2,865.55	3.28	1,907.83	1,837.44	70.39	27.103		
6,600.00	4,593.64	4,777.49	4,701.02	79.52	21.38	-133.83	-2,875.85	5.30	1,971.39	1,900.84	70.54	27.945		
6,700.00	4,650.90	4,834.19	4,756.83	81.03	21.65	-134.78	-2,885.68	7.48	2,035.95	1,965.25	70.70	28.799		
6,800.00	4,708.15	4,895.06	4,816.74	82.53	21.94	-135.76	-2,896.08	10.09	2,101.42	2,030.49	70.92	29.629		
6,900.00	4,765.40	4,963.37	4,883.84	84.03	22.27	-136.77	-2,908.38	13.65	2,167.50	2,096.20	71.30	30.400		
7,000.00	4,822.65	5,060.28	4,978.79	85.53	22.75	-138.09	-2,927.05	18.79	2,233.53	2,161.42	72.12	30.971		
7,100.00	4,879.90	5,129.94	5,047.00	87.04	23.09	-138.97	-2,940.80	22.24	2,299.55	2,226.98	72.58	31.684		
7,200.00	4,937.16	5,186.70	5,102.61	88.54	23.37	-139.67	-2,951.80	24.99	2,366.01	2,293.15	72.86	32.471		
7,300.00	4,994.41	5,241.10	5,156.01	90.04	23.64	-140.33	-2,961.83	27.66	2,433.24	2,360.12	73.12	33.276		
7,400.00	5,051.66	5,309.43	5,223.15	91.54	23.97	-141.12	-2,974.10	30.96	2,500.96	2,427.39	73.57	33.992		
7,500.00	5,108.91	5,367.52	5,280.28	93.05	24.25	-141.78	-2,984.26	33.65	2,569.07	2,495.18	73.89	34.769		
7,600.00	5,166.16	5,422.00	5,333.98	94.55	24.50	-142.39	-2,993.13	35.97	2,637.82	2,563.67	74.15	35.573		
7,700.00	5,223.42	5,473.20	5,384.56	96.05	24.73	-142.96	-3,000.86	37.98	2,707.21	2,632.85	74.36	36.406		
7,800.00	5,280.67	5,525.98	5,436.78	97.56	24.96	-143.54	-3,008.24	39.89	2,777.22	2,702.63	74.59	37.233		
7,900.00	5,337.92	5,583.21	5,493.52	99.06	25.20	-144.17	-3,015.57	41.61	2,847.73	2,772.87	74.86	38.040		
8,000.00	5,395.17	5,632.87	5,542.82	100.56	25.40	-144.71	-3,021.35	42.79	2,918.74	2,843.70	75.03	38.900		
8,100.00	5,452.42	5,675.62	5,585.32	102.07	25.57	-145.17	-3,025.86	43.76	2,990.44	2,915.32	75.12	39.809		
8,200.00	5,509.68	5,720.05	5,629.54	103.57	25.75	-145.65	-3,030.07	44.75	3,062.83	2,987.61	75.23	40.714		
8,300.00	5,566.93	5,769.06	5,678.36	105.08	25.93	-146.17	-3,034.22	45.69	3,135.79	3,060.40	75.39	41.597		
8,400.00	5,624.18	5,814.45	5,723.62	106.58	26.10	-146.65	-3,037.59	46.37	3,209.27	3,133.77	75.50	42.507		
8,500.00	5,681.43	5,855.15	5,764.24	108.08	26.24	-147.08	-3,040.11	46.83	3,283.35	3,207.79	75.56	43.455		
8,600.00	5,738.68	5,891.00	5,800.05	109.59	26.36	-147.46	-3,041.92	47.11	3,358.05	3,282.48	75.57	44.439		
8,700.00	5,795.93	5,935.61	5,844.62	111.09	26.51	-147.93	-3,043.74	47.39	3,433.31	3,357.65	75.66	45.377		
8,800.00	5,853.19	5,985.00	5,893.98	112.60	26.66	-148.44	-3,045.31	47.71	3,509.16	3,433.34	75.82	46.284		
8,900.00	5,910.44	6,026.48	5,935.45	114.10	26.79	-148.86	-3,046.36	47.92	3,585.42	3,509.53	75.89	47.244		
9,000.00	5,967.69	6,080.94	5,989.89	115.60	26.96	-149.40	-3,047.53	48.05	3,661.97	3,585.86	76.11	48.115		
9,100.00	6,024.94	6,140.61	6,049.56	117.11	27.14	-149.99	-3,048.59	47.97	3,738.74	3,662.36	76.38	48.949		
9,200.00	6,082.19	6,194.40	6,103.34	118.61	27.30	-150.50	-3,049.39	47.74	3,815.68	3,739.08	76.60	49.814		
9,300.00	6,139.45	6,241.42	6,150.35	120.12	27.44	-150.94	-3,049.91	47.50	3,892.94	3,816.19	76.76	50.719		
9,400.00	6,196.70	6,291.50	6,200.43	121.62	27.58	-151.39	-3,050.27	47.23	3,970.52	3,893.57	76.95	51.599		
9,500.00	6,253.95	6,345.29	6,254.22	123.13	27.74	-151.87	-3,050.60	46.98	4,048.33	3,971.14	77.19	52.445		
9,600.00	6,311.20	6,414.61	6,323.55	124.63	27.94	-152.46	-3,051.04	46.61	4,126.26	4,048.66	77.60	53.174		
9,700.00	6,368.45	6,479.00	6,387.93	126.13	28.12	-153.00	-3,051.55	46.08	4,204.13	4,126.16	77.97	53.922		
9,800.00	6,425.71	6,532.00	6,440.92	127.64	28.27	-153.42	-3,051.92	45.62	4,282.17	4,203.94	78.23	54.738		
9,900.00	6,482.96	6,583.41	6,492.33	129.14	28.42	-153.82	-3,052.23	45.20	4,360.40	4,281.91	78.49	55.556		
10,000.00	6,540.21	6,634.11	6,543.02	130.65	28.57	-154.21	-3,052.52	44.92	4,438.84	4,360.10	78.75	56.368		
10,100.00	6,597.46	6,688.06	6,596.97	132.15	28.72	-154.60	-3,052.76	44.64	4,517.47	4,438.43	79.05	57.149		
10,200.00	6,654.71	6,743.31	6,652.22	133.66	28.88	-155.00	-3,052.84	44.21	4,596.25	4,516.89	79.37	57.912		
10,300.00	6,711.97	6,804.89	6,713.81	135.16	29.05	-155.43	-3,053.02	43.81	4,675.12	4,595.36	79.76	58.615		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 128-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	6,769.19	6,872.10	6,781.01	136.67	29.25	-157.87	-3,053.44	43.54	4,754.05	4,673.82	80.23	59.257	
10,500.00	6,824.05	6,933.46	6,842.37	138.22	29.43	-176.96	-3,053.93	43.21	4,836.29	4,755.57	80.72	59.914	
10,600.00	6,873.81	6,972.56	6,881.47	139.81	29.55	161.64	-3,054.22	43.03	4,922.27	4,841.18	81.09	60.703	
10,700.00	6,916.95	7,015.00	6,923.91	141.38	29.68	140.13	-3,054.46	42.93	5,009.47	4,927.90	81.57	61.413	
10,800.00	6,952.17	7,037.38	6,946.29	142.87	29.74	121.37	-3,054.57	42.89	5,095.36	5,013.44	81.91	62.203	
10,900.00	6,978.39	7,061.93	6,970.83	144.24	29.82	107.24	-3,054.67	42.84	5,177.60	5,095.25	82.35	62.873	
11,000.00	6,994.82	7,077.39	6,986.30	145.43	29.86	97.31	-3,054.72	42.81	5,254.04	5,171.27	82.77	63.476	
11,100.00	7,000.96	7,083.32	6,992.22	146.41	29.88	90.72	-3,054.74	42.79	5,322.75	5,239.55	83.20	63.976	
11,200.00	7,001.00	7,083.57	6,992.48	147.26	29.88	90.28	-3,054.74	42.79	5,386.68	5,303.03	83.65	64.398	
11,300.00	7,001.00	7,083.79	6,992.70	148.14	29.88	90.29	-3,054.74	42.79	5,451.65	5,367.53	84.11	64.812	
11,400.00	7,001.00	7,084.01	6,992.92	149.06	29.88	90.29	-3,054.74	42.79	5,517.67	5,433.07	84.60	65.223	
11,500.00	7,001.00	7,084.23	6,993.14	150.00	29.88	90.29	-3,054.74	42.79	5,584.70	5,499.61	85.09	65.633	
11,600.00	7,001.00	7,084.45	6,993.36	150.97	29.88	90.30	-3,054.74	42.79	5,652.70	5,567.11	85.59	66.041	
11,700.00	7,001.00	7,084.67	6,993.58	151.97	29.89	90.30	-3,054.74	42.79	5,721.64	5,635.54	86.10	66.450	
11,800.00	7,001.00	7,084.90	6,993.80	153.00	29.89	90.30	-3,054.74	42.79	5,791.49	5,704.87	86.62	66.860	
11,900.00	7,001.00	7,085.12	6,994.03	154.06	29.89	90.31	-3,054.74	42.79	5,862.21	5,775.07	87.14	67.272	
12,000.00	7,001.00	7,085.34	6,994.25	155.15	29.89	90.31	-3,054.74	42.79	5,933.78	5,846.11	87.67	67.687	
12,100.00	7,001.00	7,085.57	6,994.47	156.27	29.89	90.31	-3,054.74	42.79	6,006.16	5,917.97	88.19	68.105	
12,200.00	7,001.00	7,085.79	6,994.70	157.43	29.89	90.32	-3,054.75	42.79	6,079.32	5,990.60	88.71	68.526	
12,300.00	7,001.00	7,086.02	6,994.92	158.61	29.89	90.32	-3,054.75	42.79	6,153.23	6,063.99	89.24	68.953	
12,400.00	7,001.00	7,086.24	6,995.15	159.82	29.89	90.32	-3,054.75	42.79	6,227.88	6,138.12	89.76	69.383	
12,500.00	7,001.00	7,086.47	6,995.38	161.07	29.89	90.33	-3,054.75	42.79	6,303.22	6,212.94	90.28	69.819	
12,600.00	7,001.00	7,086.70	6,995.60	162.34	29.89	90.33	-3,054.75	42.79	6,379.25	6,288.45	90.79	70.260	
12,700.00	7,001.00	7,086.92	6,995.83	163.64	29.89	90.33	-3,054.75	42.78	6,455.93	6,364.62	91.31	70.707	
12,800.00	7,001.00	7,087.15	6,996.06	164.98	29.89	90.33	-3,054.75	42.78	6,533.24	6,441.42	91.81	71.159	
12,900.00	7,001.00	7,087.38	6,996.29	166.34	29.89	90.34	-3,054.75	42.78	6,611.15	6,518.84	92.31	71.616	
13,000.00	7,001.00	7,087.61	6,996.51	167.74	29.89	90.34	-3,054.75	42.78	6,689.66	6,596.85	92.81	72.080	
13,100.00	7,001.00	7,087.84	6,996.74	169.16	29.89	90.34	-3,054.75	42.78	6,768.73	6,675.43	93.30	72.549	
13,200.00	7,001.00	7,088.07	6,996.97	170.61	29.90	90.35	-3,054.75	42.78	6,848.35	6,754.57	93.78	73.024	
13,300.00	7,001.00	7,088.30	6,997.20	172.10	29.90	90.35	-3,054.75	42.78	6,928.50	6,834.24	94.26	73.505	
13,400.00	7,001.00	7,088.53	6,997.44	173.61	29.90	90.35	-3,054.75	42.78	7,009.15	6,914.42	94.73	73.991	
13,500.00	7,001.00	7,088.76	6,997.67	175.15	29.90	90.36	-3,054.75	42.78	7,090.30	6,995.11	95.19	74.483	
13,600.00	7,001.00	7,088.99	6,997.90	176.72	29.90	90.36	-3,054.75	42.78	7,171.93	7,076.28	95.65	74.981	
13,700.00	7,001.00	7,089.23	6,998.13	178.31	29.90	90.36	-3,054.75	42.78	7,254.02	7,157.92	96.10	75.485	
13,800.00	7,001.00	7,089.46	6,998.37	179.94	29.90	90.37	-3,054.76	42.78	7,336.55	7,240.01	96.54	75.994	
13,900.00	7,001.00	7,089.69	6,998.60	181.59	29.90	90.37	-3,054.76	42.78	7,419.51	7,322.53	96.98	76.508	
14,000.00	7,001.00	7,089.93	6,998.83	183.26	29.90	90.37	-3,054.76	42.78	7,502.89	7,405.48	97.41	77.028	
14,100.00	7,001.00	7,090.16	6,999.07	184.97	29.90	90.38	-3,054.76	42.78	7,586.67	7,488.84	97.83	77.552	
14,200.00	7,001.00	7,090.40	6,999.31	186.70	29.90	90.38	-3,054.76	42.78	7,670.83	7,572.59	98.24	78.082	
14,300.00	7,001.00	7,090.64	6,999.54	188.45	29.90	90.38	-3,054.76	42.78	7,755.38	7,656.73	98.65	78.617	
14,400.00	7,001.00	7,090.87	6,999.78	190.23	29.90	90.39	-3,054.76	42.78	7,840.28	7,741.23	99.05	79.157	
14,500.00	7,001.00	7,091.11	7,000.02	192.03	29.90	90.39	-3,054.76	42.77	7,925.54	7,826.10	99.44	79.701	
14,600.00	7,001.00	7,091.35	7,000.25	193.86	29.91	90.39	-3,054.76	42.77	8,011.14	7,911.31	99.83	80.250	
14,700.00	7,001.00	7,091.59	7,000.49	195.71	29.91	90.40	-3,054.76	42.77	8,097.07	7,996.86	100.21	80.804	
14,800.00	7,001.00	7,091.83	7,000.73	197.58	29.91	90.40	-3,054.76	42.77	8,183.32	8,082.74	100.58	81.361	
14,900.00	7,001.00	7,092.07	7,000.97	199.47	29.91	90.40	-3,054.76	42.77	8,269.88	8,168.93	100.95	81.923	
15,000.00	7,001.00	7,092.31	7,001.21	201.39	29.91	90.41	-3,054.76	42.77	8,356.74	8,255.43	101.31	82.490	
15,100.00	7,001.00	7,092.55	7,001.45	203.32	29.91	90.41	-3,054.76	42.77	8,443.89	8,342.23	101.66	83.060	
15,200.00	7,001.00	7,092.79	7,001.70	205.28	29.91	90.41	-3,054.76	42.77	8,531.32	8,429.31	102.01	83.634	
15,300.00	7,001.00	7,093.03	7,001.94	207.25	29.91	90.42	-3,054.77	42.77	8,619.03	8,516.68	102.35	84.212	
15,400.00	7,001.00	7,093.27	7,002.18	209.25	29.91	90.42	-3,054.77	42.77	8,707.00	8,604.31	102.69	84.793	
15,500.00	7,001.00	7,093.52	7,002.42	211.26	29.91	90.42	-3,054.77	42.77	8,795.22	8,692.21	103.02	85.378	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - EXIST HZ BALDRIDGE 2-1 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 128-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,600.00	7,001.00	7,093.76	7,002.67	213.30	29.91	90.43	-3,054.77	42.77	8,883.70	8,780.36	103.34	85.966	
15,700.00	7,001.00	7,094.01	7,002.91	215.35	29.91	90.43	-3,054.77	42.77	8,972.42	8,868.76	103.66	86.558	
15,800.00	7,001.00	7,094.25	7,003.16	217.42	29.91	90.43	-3,054.77	42.77	9,061.37	8,957.40	103.97	87.153	
15,900.00	7,001.00	7,094.50	7,003.41	219.50	29.91	90.44	-3,054.77	42.77	9,150.56	9,046.28	104.28	87.751	
16,000.00	7,001.00	7,094.75	7,003.65	221.60	29.92	90.44	-3,054.77	42.77	9,239.96	9,135.38	104.58	88.353	
16,100.00	7,001.00	7,094.99	7,003.90	223.72	29.92	90.44	-3,054.77	42.76	9,329.58	9,224.70	104.88	88.957	
16,200.00	7,001.00	7,095.24	7,004.15	225.85	29.92	90.45	-3,054.77	42.76	9,419.40	9,314.24	105.17	89.564	
16,300.00	7,001.00	7,095.49	7,004.40	228.00	29.92	90.45	-3,054.77	42.76	9,509.44	9,403.98	105.46	90.173	
16,400.00	7,001.00	7,095.74	7,004.65	230.16	29.92	90.45	-3,054.77	42.76	9,599.66	9,493.92	105.74	90.786	
16,500.00	7,001.00	7,095.99	7,004.90	232.34	29.92	90.46	-3,054.77	42.76	9,690.08	9,584.07	106.02	91.401	
16,600.00	7,001.00	7,096.24	7,005.15	234.53	29.92	90.46	-3,054.77	42.76	9,780.69	9,674.40	106.29	92.018	
16,700.00	7,001.00	7,096.49	7,005.40	236.73	29.92	90.46	-3,054.77	42.76	9,871.48	9,764.92	106.56	92.638	
16,800.00	7,001.00	7,096.74	7,005.65	238.95	29.92	90.47	-3,054.78	42.76	9,962.44	9,855.62	106.82	93.260	
16,900.00	7,001.00	7,096.99	7,005.90	241.18	29.92	90.47	-3,054.78	42.76	10,053.58	9,946.49	107.08	93.885	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 126-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
100.00	100.00	69.75	69.75	0.27	0.11	-175.28	-2,130.53	-175.78	2,137.77	2,137.39	0.38	5,643.694	
200.00	199.98	166.24	166.22	0.62	0.35	-17.57	-2,130.80	-173.85	2,136.22	2,135.26	0.96	2,225.453	
300.00	299.84	241.10	241.07	0.97	0.61	-17.65	-2,131.27	-172.74	2,131.81	2,130.23	1.58	1,347.792	
400.00	399.45	304.00	303.94	1.34	0.84	-17.76	-2,132.96	-172.05	2,125.98	2,123.81	2.17	981.829	
500.00	498.70	345.63	345.52	1.74	0.99	-17.86	-2,135.01	-171.62	2,118.99	2,116.31	2.68	790.621	
600.00	597.47	396.00	395.75	2.17	1.17	-18.00	-2,138.64	-171.04	2,111.11	2,107.88	3.23	653.546	
700.00	695.62	445.45	444.97	2.62	1.36	-18.16	-2,143.37	-170.46	2,102.29	2,098.50	3.79	554.983	
800.00	793.06	487.00	486.24	3.12	1.52	-18.32	-2,148.17	-170.00	2,092.50	2,088.18	4.32	483.970	
900.00	889.64	555.10	553.69	3.65	1.80	-18.59	-2,157.49	-169.07	2,081.43	2,076.46	4.97	418.647	
1,000.00	985.27	618.42	616.20	4.23	2.07	-18.89	-2,167.51	-167.84	2,069.07	2,063.45	5.62	368.386	
1,100.00	1,079.82	675.00	671.92	4.85	2.31	-19.20	-2,177.24	-166.41	2,055.05	2,048.81	6.25	328.829	
1,200.00	1,173.17	753.18	748.72	5.52	2.67	-19.63	-2,191.81	-165.02	2,039.25	2,032.27	6.99	291.915	
1,300.00	1,265.21	812.25	806.56	6.24	2.95	-20.00	-2,203.79	-164.80	2,021.95	2,014.28	7.66	263.816	
1,400.00	1,355.84	862.00	855.07	7.01	3.19	-20.36	-2,214.80	-164.66	2,003.49	1,995.17	8.32	240.752	
1,500.00	1,444.84	930.11	921.19	7.82	3.54	-20.85	-2,231.13	-164.31	1,983.73	1,974.65	9.08	218.443	
1,600.00	1,532.39	990.58	979.60	8.69	3.87	-21.35	-2,246.75	-163.66	1,962.69	1,952.86	9.83	199.702	
1,700.00	1,618.11	1,050.00	1,036.70	9.61	4.19	-21.92	-2,263.13	-162.28	1,940.40	1,929.80	10.60	183.000	
1,800.00	1,701.97	1,107.44	1,091.59	10.58	4.53	-22.52	-2,279.99	-160.67	1,917.00	1,905.60	11.40	168.205	
1,900.00	1,783.88	1,163.61	1,144.94	11.59	4.87	-23.16	-2,297.52	-159.29	1,892.59	1,880.37	12.22	154.931	
2,000.00	1,863.74	1,237.00	1,214.07	12.66	5.34	-23.99	-2,322.08	-157.42	1,867.46	1,854.31	13.15	141.996	
2,100.00	1,941.45	1,268.52	1,243.52	13.77	5.55	-24.50	-2,333.27	-156.60	1,841.29	1,827.37	13.92	132.301	
2,200.00	2,016.92	1,331.00	1,301.37	14.94	5.98	-25.34	-2,356.83	-155.13	1,814.95	1,800.07	14.88	122.002	
2,300.00	2,090.05	1,368.58	1,335.82	16.14	6.26	-25.98	-2,371.80	-154.25	1,787.97	1,772.22	15.74	113.564	
2,400.00	2,160.76	1,425.00	1,387.13	17.40	6.68	-26.86	-2,395.21	-152.67	1,760.53	1,743.78	16.76	105.049	
2,500.00	2,228.95	1,477.07	1,434.04	18.69	7.09	-27.76	-2,417.74	-150.89	1,732.57	1,714.77	17.80	97.324	
2,600.00	2,294.55	1,538.84	1,489.16	20.03	7.58	-28.86	-2,445.50	-148.30	1,704.08	1,685.12	18.96	89.860	
2,700.00	2,357.48	1,626.23	1,566.87	21.41	8.30	-30.43	-2,485.24	-144.04	1,674.18	1,653.81	20.37	82.185	
2,800.00	2,417.66	1,738.46	1,667.33	22.83	9.21	-32.57	-2,534.93	-138.28	1,641.19	1,619.16	22.04	74.469	
2,900.00	2,475.32	1,819.27	1,739.82	24.29	9.87	-34.18	-2,570.42	-134.03	1,606.57	1,582.99	23.59	68.108	
3,000.00	2,532.58	1,913.07	1,824.02	25.75	10.64	-35.87	-2,611.47	-129.31	1,572.59	1,547.27	25.31	62.121	
3,100.00	2,589.83	2,012.66	1,913.97	27.22	11.45	-37.73	-2,653.94	-124.56	1,538.75	1,511.58	27.17	56.626	
3,200.00	2,647.08	2,085.62	1,979.83	28.70	12.04	-39.14	-2,685.17	-121.20	1,506.39	1,477.46	28.93	52.070	
3,300.00	2,704.33	2,182.57	2,067.43	30.17	12.83	-41.07	-2,726.47	-116.95	1,475.23	1,444.27	30.96	47.644	
3,400.00	2,761.58	2,260.69	2,138.06	31.65	13.46	-42.66	-2,759.73	-113.99	1,445.38	1,412.43	32.95	43.868	
3,500.00	2,818.84	2,348.97	2,217.84	33.13	14.17	-44.51	-2,797.38	-110.86	1,417.09	1,381.98	35.11	40.359	
3,600.00	2,876.09	2,439.32	2,299.71	34.62	14.90	-46.47	-2,835.47	-107.57	1,390.09	1,352.69	37.40	37.167	
3,700.00	2,933.34	2,513.38	2,366.80	36.10	15.50	-48.11	-2,866.73	-105.10	1,364.80	1,325.15	39.65	34.423	
3,800.00	2,990.59	2,577.90	2,425.01	37.59	16.04	-49.57	-2,894.46	-102.65	1,342.19	1,300.30	41.90	32.036	
3,900.00	3,047.84	2,643.00	2,483.18	39.08	16.58	-51.06	-2,923.56	-99.91	1,323.00	1,278.78	44.22	29.921	
4,000.00	3,105.10	2,726.72	2,557.78	40.57	17.30	-53.01	-2,961.34	-95.98	1,306.44	1,259.63	46.82	27.906	
4,100.00	3,162.35	2,814.79	2,636.55	42.06	18.04	-55.12	-3,000.49	-91.65	1,291.58	1,242.03	49.55	26.067	
4,200.00	3,219.60	2,891.64	2,705.19	43.55	18.70	-56.97	-3,034.89	-88.20	1,278.93	1,226.71	52.22	24.493	
4,300.00	3,276.85	2,974.63	2,778.99	45.05	19.41	-58.98	-3,072.67	-84.66	1,268.91	1,213.91	55.00	23.071	
4,400.00	3,334.10	3,062.29	2,857.33	46.54	20.16	-61.15	-3,111.77	-80.25	1,260.97	1,203.06	57.91	21.776	
4,500.00	3,391.35	3,149.84	2,935.66	48.03	20.90	-63.35	-3,150.64	-76.03	1,255.12	1,194.28	60.84	20.630	
4,600.00	3,448.61	3,235.03	3,011.84	49.53	21.62	-65.48	-3,188.59	-72.39	1,251.42	1,187.67	63.75	19.629	
4,700.00	3,505.86	3,320.04	3,087.81	51.03	22.35	-67.60	-3,226.57	-68.79	1,250.17	1,183.50	66.67	18.753	
4,714.44	3,514.13	3,334.21	3,100.49	51.24	22.47	-67.96	-3,232.88	-68.22	1,250.15	1,183.04	67.11	18.628 CC	
4,800.00	3,563.11	3,413.55	3,171.56	52.52	23.14	-69.94	-3,268.02	-65.35	1,250.71	1,181.03	69.68	17.948 ES	
4,900.00	3,620.36	3,493.04	3,242.86	54.02	23.81	-71.94	-3,303.04	-62.37	1,253.55	1,181.08	72.47	17.298	
5,000.00	3,677.61	3,564.00	3,306.48	55.52	24.41	-73.72	-3,334.30	-59.13	1,259.35	1,184.28	75.07	16.776	
5,100.00	3,734.87	3,663.17	3,395.63	57.02	25.24	-76.22	-3,377.46	-54.18	1,267.66	1,189.60	78.06	16.240	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 126-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,792.12	3,739.03	3,464.07	58.51	25.87	-78.13	-3,410.00	-50.68	1,277.77	1,197.17	80.60	15.853		
5,300.00	3,849.37	3,829.05	3,545.09	60.01	26.61	-80.35	-3,448.99	-46.41	1,290.51	1,207.23	83.29	15.495		
5,400.00	3,906.62	3,922.50	3,629.78	61.51	27.37	-82.65	-3,488.29	-42.41	1,304.72	1,218.78	85.94	15.182		
5,500.00	3,963.87	4,008.14	3,707.70	63.01	28.06	-84.75	-3,523.66	-38.95	1,320.78	1,232.42	88.36	14.947		
5,600.00	4,021.13	4,090.11	3,782.11	64.51	28.73	-86.70	-3,557.89	-35.85	1,338.99	1,248.36	90.63	14.775		
5,700.00	4,078.38	4,169.91	3,854.38	66.01	29.38	-88.55	-3,591.61	-32.86	1,359.40	1,266.65	92.76	14.655		
5,800.00	4,135.63	4,248.78	3,925.38	67.51	30.04	-90.31	-3,625.83	-29.93	1,382.00	1,287.22	94.78	14.581		
5,900.00	4,192.88	4,329.00	3,997.27	69.01	30.71	-92.02	-3,661.27	-26.77	1,406.72	1,309.97	96.75	14.540 SF		
6,000.00	4,250.13	4,404.39	4,064.67	70.51	31.36	-93.59	-3,694.90	-23.56	1,433.44	1,334.90	98.54	14.546		
6,100.00	4,307.39	4,490.89	4,142.08	72.02	32.09	-95.34	-3,733.31	-19.73	1,461.85	1,361.39	100.46	14.551		
6,200.00	4,364.64	4,570.17	4,213.28	73.52	32.76	-96.91	-3,767.98	-16.23	1,491.67	1,389.51	102.16	14.601		
6,300.00	4,421.89	4,646.31	4,281.22	75.02	33.41	-98.35	-3,802.18	-12.61	1,523.28	1,419.55	103.74	14.684		
6,400.00	4,479.14	4,722.91	4,349.55	76.52	34.08	-99.75	-3,836.57	-8.57	1,556.59	1,451.33	105.26	14.788		
6,500.00	4,536.39	4,803.79	4,421.33	78.02	34.78	-101.16	-3,873.56	-4.10	1,591.35	1,484.51	106.83	14.896		
6,600.00	4,593.64	4,886.44	4,494.58	79.52	35.51	-102.54	-3,911.56	0.57	1,627.27	1,518.88	108.40	15.012		
6,700.00	4,650.90	4,999.78	4,595.60	81.03	36.49	-104.40	-3,962.67	5.91	1,663.44	1,552.93	110.51	15.053		
6,800.00	4,708.15	5,089.92	4,676.20	82.53	37.25	-105.83	-4,002.87	9.24	1,699.79	1,587.70	112.09	15.165		
6,900.00	4,765.40	5,186.16	4,763.00	84.03	38.05	-107.35	-4,044.36	12.05	1,736.55	1,622.85	113.69	15.274		
7,000.00	4,822.65	5,266.00	4,835.46	85.53	38.70	-108.61	-4,077.82	14.11	1,774.10	1,659.19	114.92	15.438		
7,100.00	4,879.90	5,346.62	4,909.02	87.04	39.34	-109.86	-4,110.73	16.18	1,812.73	1,696.65	116.08	15.616		
7,200.00	4,937.16	5,426.12	4,982.10	88.54	39.95	-111.10	-4,141.96	18.14	1,852.43	1,735.28	117.15	15.813		
7,300.00	4,994.41	5,499.23	5,049.79	90.04	40.48	-112.23	-4,169.53	19.90	1,893.25	1,775.23	118.02	16.042		
7,400.00	5,051.66	5,569.24	5,115.49	91.54	40.97	-113.36	-4,193.64	21.50	1,935.48	1,816.76	118.72	16.303		
7,500.00	5,108.91	5,641.00	5,183.64	93.05	41.44	-114.54	-4,216.08	22.87	1,979.01	1,859.69	119.32	16.585		
7,600.00	5,166.16	5,705.46	5,245.32	94.55	41.83	-115.62	-4,234.76	24.04	2,023.97	1,904.25	119.72	16.906		
7,700.00	5,223.42	5,773.43	5,310.68	96.05	42.23	-116.75	-4,253.37	25.36	2,070.42	1,950.33	120.09	17.240		
7,800.00	5,280.67	5,842.44	5,377.48	97.56	42.61	-117.92	-4,270.65	26.37	2,118.09	1,997.70	120.39	17.594		
7,900.00	5,337.92	5,903.88	5,437.31	99.06	42.93	-118.96	-4,284.60	27.07	2,167.14	2,046.64	120.50	17.985		
8,000.00	5,395.17	5,972.87	5,504.84	100.56	43.26	-120.13	-4,298.73	27.60	2,217.55	2,096.94	120.61	18.385		
8,100.00	5,452.42	6,037.08	5,567.94	102.07	43.54	-121.23	-4,310.60	27.65	2,269.06	2,148.46	120.60	18.814		
8,200.00	5,509.68	6,089.54	5,619.68	103.57	43.76	-122.13	-4,319.29	27.61	2,322.04	2,201.64	120.40	19.286		
8,300.00	5,566.93	6,143.61	5,673.14	105.08	43.98	-123.05	-4,327.28	27.59	2,376.54	2,256.38	120.16	19.778		
8,400.00	5,624.18	6,203.00	5,732.01	106.58	44.20	-124.06	-4,335.18	27.52	2,432.41	2,312.47	119.94	20.281		
8,500.00	5,681.43	6,256.92	5,785.55	108.08	44.39	-124.97	-4,341.61	27.36	2,489.53	2,369.91	119.62	20.813		
8,600.00	5,738.68	6,311.40	5,839.70	109.59	44.57	-125.88	-4,347.45	27.04	2,547.80	2,428.52	119.28	21.360		
8,700.00	5,795.93	6,356.94	5,885.05	111.09	44.71	-126.63	-4,351.72	26.79	2,607.39	2,488.57	118.83	21.943		
8,800.00	5,853.19	6,390.00	5,917.99	112.60	44.81	-127.18	-4,354.47	26.66	2,668.36	2,550.12	118.25	22.566		
8,900.00	5,910.44	6,441.76	5,969.62	114.10	44.95	-128.03	-4,358.05	26.50	2,730.60	2,612.79	117.81	23.178		
9,000.00	5,967.69	6,484.00	6,011.81	115.60	45.06	-128.72	-4,360.28	26.41	2,794.16	2,676.88	117.28	23.825		
9,100.00	6,024.94	6,575.01	6,102.71	117.11	45.29	-130.17	-4,364.74	25.83	2,858.44	2,741.27	117.17	24.396		
9,200.00	6,082.19	6,611.98	6,139.63	118.61	45.38	-130.74	-4,366.49	25.45	2,923.29	2,806.69	116.60	25.070		
9,300.00	6,139.45	6,645.93	6,173.56	120.12	45.46	-131.27	-4,367.69	25.21	2,989.38	2,873.37	116.01	25.768		
9,400.00	6,196.70	6,682.31	6,209.93	121.62	45.53	-131.83	-4,368.53	25.05	3,056.65	2,941.21	115.44	26.478		
9,500.00	6,253.95	6,728.76	6,256.38	123.13	45.62	-132.53	-4,369.21	24.84	3,124.87	3,009.92	114.95	27.184		
9,600.00	6,311.20	6,778.64	6,306.26	124.63	45.72	-133.28	-4,369.52	24.56	3,193.92	3,079.43	114.50	27.895		
9,700.00	6,368.45	6,845.02	6,372.63	126.13	45.83	-134.26	-4,369.71	23.97	3,263.52	3,149.34	114.18	28.582		
9,800.00	6,425.71	6,904.14	6,431.74	127.64	45.93	-135.10	-4,369.78	23.24	3,333.56	3,219.73	113.82	29.287		
9,900.00	6,482.96	6,959.76	6,487.36	129.14	46.02	-135.88	-4,369.75	22.49	3,404.13	3,290.67	113.46	30.003		
10,000.00	6,540.21	7,007.81	6,535.41	130.65	46.10	-136.54	-4,369.60	21.85	3,475.29	3,362.24	113.05	30.741		
10,100.00	6,597.46	7,066.70	6,594.29	132.15	46.19	-137.32	-4,369.25	21.11	3,547.05	3,434.31	112.75	31.460		
10,200.00	6,654.71	7,158.48	6,686.06	133.66	46.35	-138.50	-4,369.26	19.58	3,618.82	3,506.07	112.74	32.098		
10,300.00	6,711.97	7,218.65	6,746.22	135.16	46.46	-139.24	-4,369.65	18.58	3,690.77	3,578.25	112.52	32.800		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 126-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,400.00	6,769.19	7,274.66	6,802.22	136.67	46.56	-141.44	-4,370.16	17.76	3,763.17	3,650.86	112.30	33.509	
10,500.00	6,824.05	7,327.00	6,854.55	138.22	46.67	-156.64	-4,370.62	17.05	3,841.22	3,728.99	112.23	34.227	
10,600.00	6,873.81	7,373.96	6,901.50	139.81	46.75	-175.19	-4,370.93	16.38	3,926.30	3,813.95	112.35	34.946	
10,700.00	6,916.95	7,414.75	6,942.29	141.38	46.83	162.15	-4,371.04	15.72	4,015.67	3,903.02	112.65	35.649	
10,800.00	6,952.17	7,446.78	6,974.31	142.87	46.88	137.66	-4,371.05	15.16	4,106.63	3,993.57	113.06	36.324	
10,900.00	6,978.39	7,470.71	6,998.24	144.24	46.93	116.53	-4,371.02	14.75	4,196.61	4,083.04	113.58	36.949	
11,000.00	6,994.82	7,486.24	7,013.77	145.43	46.95	101.44	-4,370.98	14.48	4,283.19	4,168.99	114.20	37.507	
11,100.00	7,000.96	7,492.97	7,020.50	146.41	46.96	91.64	-4,370.96	14.37	4,364.11	4,249.20	114.90	37.981	
11,200.00	7,001.00	7,494.47	7,022.00	147.26	46.97	91.02	-4,370.96	14.34	4,441.24	4,325.59	115.66	38.401	
11,300.00	7,001.00	7,495.93	7,023.46	148.14	46.97	91.05	-4,370.95	14.32	4,519.24	4,402.86	116.39	38.829	
11,400.00	7,001.00	7,497.40	7,024.93	149.06	46.97	91.08	-4,370.95	14.29	4,598.09	4,481.00	117.10	39.268	
11,500.00	7,001.00	7,498.86	7,026.39	150.00	46.97	91.11	-4,370.94	14.27	4,677.75	4,559.97	117.78	39.715	
11,600.00	7,001.00	7,500.33	7,027.85	150.97	46.98	91.14	-4,370.94	14.24	4,758.18	4,639.73	118.45	40.171	
11,700.00	7,001.00	7,501.79	7,029.31	151.97	46.98	91.17	-4,370.93	14.22	4,839.33	4,720.24	119.09	40.635	
11,800.00	7,001.00	7,503.25	7,030.77	153.00	46.98	91.20	-4,370.93	14.19	4,921.18	4,801.47	119.72	41.107	
11,900.00	7,001.00	7,504.71	7,032.23	154.06	46.98	91.23	-4,370.92	14.17	5,003.69	4,883.37	120.32	41.587	
12,000.00	7,001.00	7,506.16	7,033.69	155.15	46.99	91.26	-4,370.92	14.14	5,086.83	4,965.92	120.90	42.074	
12,100.00	7,001.00	7,514.00	7,041.53	156.27	47.00	91.42	-4,370.89	14.01	5,170.56	5,049.05	121.51	42.553	
12,200.00	7,001.00	7,514.00	7,041.53	157.43	47.00	91.42	-4,370.89	14.01	5,254.86	5,132.82	122.04	43.057	
12,300.00	7,001.00	7,514.00	7,041.53	158.61	47.00	91.42	-4,370.89	14.01	5,339.70	5,217.14	122.56	43.567	
12,400.00	7,001.00	7,514.00	7,041.53	159.82	47.00	91.42	-4,370.89	14.01	5,425.06	5,302.00	123.06	44.084	
12,500.00	7,001.00	7,514.00	7,041.53	161.07	47.00	91.42	-4,370.89	14.01	5,510.91	5,387.36	123.55	44.605	
12,600.00	7,001.00	7,514.00	7,041.53	162.34	47.00	91.42	-4,370.89	14.01	5,597.23	5,473.21	124.02	45.133	
12,700.00	7,001.00	7,514.00	7,041.53	163.64	47.00	91.42	-4,370.89	14.01	5,684.00	5,559.52	124.47	45.665	
12,800.00	7,001.00	7,514.00	7,041.53	164.98	47.00	91.42	-4,370.89	14.01	5,771.19	5,646.28	124.91	46.203	
12,900.00	7,001.00	7,514.00	7,041.53	166.34	47.00	91.42	-4,370.89	14.01	5,858.80	5,733.46	125.34	46.745	
13,000.00	7,001.00	7,514.00	7,041.53	167.74	47.00	91.42	-4,370.89	14.01	5,946.79	5,821.04	125.75	47.291	
13,100.00	7,001.00	7,514.00	7,041.53	169.16	47.00	91.42	-4,370.89	14.01	6,035.16	5,909.02	126.15	47.842	
13,200.00	7,001.00	7,514.00	7,041.53	170.61	47.00	91.42	-4,370.89	14.01	6,123.89	5,997.36	126.53	48.397	
13,300.00	7,001.00	7,514.00	7,041.53	172.10	47.00	91.42	-4,370.89	14.01	6,212.96	6,086.05	126.91	48.956	
13,400.00	7,001.00	7,514.00	7,041.53	173.61	47.00	91.42	-4,370.89	14.01	6,302.36	6,175.09	127.27	49.519	
13,500.00	7,001.00	7,514.00	7,041.53	175.15	47.00	91.42	-4,370.89	14.01	6,392.07	6,264.45	127.62	50.085	
13,600.00	7,001.00	7,514.00	7,041.53	176.72	47.00	91.42	-4,370.89	14.01	6,482.09	6,354.12	127.97	50.655	
13,700.00	7,001.00	7,514.00	7,041.53	178.31	47.00	91.42	-4,370.89	14.01	6,572.39	6,444.09	128.30	51.228	
13,800.00	7,001.00	7,514.00	7,041.53	179.94	47.00	91.42	-4,370.89	14.01	6,662.97	6,534.35	128.62	51.804	
13,900.00	7,001.00	7,514.00	7,041.53	181.59	47.00	91.42	-4,370.89	14.01	6,753.81	6,624.88	128.93	52.383	
14,000.00	7,001.00	7,514.00	7,041.53	183.26	47.00	91.42	-4,370.89	14.01	6,844.91	6,715.68	129.23	52.965	
14,100.00	7,001.00	7,514.00	7,041.53	184.97	47.00	91.42	-4,370.89	14.01	6,936.26	6,806.73	129.53	53.550	
14,200.00	7,001.00	7,514.00	7,041.53	186.70	47.00	91.42	-4,370.89	14.01	7,027.84	6,898.02	129.82	54.137	
14,300.00	7,001.00	7,514.00	7,041.53	188.45	47.00	91.42	-4,370.89	14.01	7,119.65	6,989.55	130.09	54.727	
14,400.00	7,001.00	7,514.00	7,041.53	190.23	47.00	91.42	-4,370.89	14.01	7,211.67	7,081.31	130.37	55.319	
14,500.00	7,001.00	7,514.00	7,041.53	192.03	47.00	91.42	-4,370.89	14.01	7,303.91	7,173.28	130.63	55.913	
14,600.00	7,001.00	7,514.00	7,041.53	193.86	47.00	91.42	-4,370.89	14.01	7,396.34	7,265.46	130.89	56.510	
14,700.00	7,001.00	7,514.00	7,041.53	195.71	47.00	91.42	-4,370.89	14.01	7,488.98	7,357.84	131.14	57.109	
14,800.00	7,001.00	7,514.00	7,041.53	197.58	47.00	91.42	-4,370.89	14.01	7,581.79	7,450.42	131.38	57.709	
14,900.00	7,001.00	7,514.00	7,041.53	199.47	47.00	91.42	-4,370.89	14.01	7,674.79	7,543.18	131.62	58.312	
15,000.00	7,001.00	7,514.00	7,041.53	201.39	47.00	91.42	-4,370.89	14.01	7,767.97	7,636.12	131.85	58.916	
15,100.00	7,001.00	7,514.00	7,041.53	203.32	47.00	91.42	-4,370.89	14.01	7,861.31	7,729.23	132.07	59.522	
15,200.00	7,001.00	7,514.00	7,041.53	205.28	47.00	91.42	-4,370.89	14.01	7,954.81	7,822.52	132.29	60.130	
15,300.00	7,001.00	7,514.00	7,041.53	207.25	47.00	91.42	-4,370.89	14.01	8,048.47	7,915.96	132.51	60.740	
15,400.00	7,001.00	7,514.00	7,041.53	209.25	47.00	91.42	-4,370.89	14.01	8,142.28	8,009.56	132.72	61.351	
15,500.00	7,001.00	7,514.00	7,041.53	211.26	47.00	91.42	-4,370.89	14.01	8,236.23	8,103.31	132.92	61.963	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - EXIST HZ BALDRIDGE 7-1 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 126-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,600.00	7,001.00	7,538.88	7,066.40	213.30	47.04	91.93	-4,370.77	13.63	8,330.25	8,197.01	133.24	62.522	
15,700.00	7,001.00	7,539.54	7,067.06	215.35	47.04	91.94	-4,370.77	13.62	8,424.48	8,291.05	133.43	63.136	
15,800.00	7,001.00	7,540.18	7,067.71	217.42	47.04	91.96	-4,370.77	13.61	8,518.84	8,385.21	133.63	63.750	
15,900.00	7,001.00	7,540.83	7,068.35	219.50	47.04	91.97	-4,370.76	13.60	8,613.33	8,479.51	133.82	64.366	
16,000.00	7,001.00	7,541.46	7,068.98	221.60	47.05	91.98	-4,370.76	13.59	8,707.94	8,573.94	134.00	64.984	
16,100.00	7,001.00	7,542.09	7,069.61	223.72	47.05	91.99	-4,370.76	13.58	8,802.67	8,668.48	134.18	65.602	
16,200.00	7,001.00	7,542.71	7,070.23	225.85	47.05	92.01	-4,370.75	13.57	8,897.51	8,763.15	134.36	66.222	
16,300.00	7,001.00	7,543.32	7,070.84	228.00	47.05	92.02	-4,370.75	13.57	8,992.47	8,857.93	134.53	66.842	
16,400.00	7,001.00	7,543.92	7,071.44	230.16	47.05	92.03	-4,370.75	13.56	9,087.53	8,952.83	134.70	67.464	
16,500.00	7,001.00	7,544.52	7,072.04	232.34	47.05	92.04	-4,370.74	13.55	9,182.70	9,047.83	134.87	68.086	
16,600.00	7,001.00	7,545.11	7,072.63	234.53	47.05	92.06	-4,370.74	13.54	9,277.97	9,142.94	135.03	68.709	
16,700.00	7,001.00	7,545.70	7,073.22	236.73	47.05	92.07	-4,370.74	13.53	9,373.34	9,238.15	135.19	69.333	
16,800.00	7,001.00	7,546.27	7,073.80	238.95	47.05	92.08	-4,370.74	13.53	9,468.80	9,333.45	135.35	69.958	
16,900.00	7,001.00	7,546.85	7,074.37	241.18	47.05	92.09	-4,370.73	13.52	9,564.36	9,428.86	135.50	70.584	
17,000.00	7,001.00	7,547.41	7,074.93	243.42	47.06	92.10	-4,370.73	13.51	9,660.01	9,524.35	135.65	71.210	
17,100.00	7,001.00	7,547.97	7,075.49	245.67	47.06	92.11	-4,370.73	13.51	9,755.74	9,619.94	135.80	71.838	
17,200.00	7,001.00	7,548.52	7,076.04	247.93	47.06	92.13	-4,370.72	13.50	9,851.56	9,715.61	135.95	72.466	
17,300.00	7,001.00	7,549.07	7,076.59	250.21	47.06	92.14	-4,370.72	13.49	9,947.46	9,811.37	136.09	73.094	
17,400.00	7,001.00	7,549.61	7,077.13	252.50	47.06	92.15	-4,370.72	13.49	10,043.44	9,907.21	136.23	73.723	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 98-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	109.39	109.38	0.27	0.17	-176.48	-2,129.15	-131.12	2,133.51	2,133.07	0.44	4,893.268		
200.00	199.98	185.00	184.99	0.62	0.45	-18.72	-2,128.64	-130.70	2,131.04	2,129.97	1.07	1,986.780		
300.00	299.84	240.37	240.35	0.97	0.65	-18.80	-2,129.07	-130.02	2,126.66	2,125.04	1.62	1,312.537		
400.00	399.45	299.51	299.47	1.34	0.86	-18.92	-2,130.54	-128.81	2,120.80	2,118.61	2.19	968.877		
500.00	498.70	366.00	365.83	1.74	1.10	-19.10	-2,133.79	-126.43	2,113.77	2,110.98	2.79	757.221		
600.00	597.47	405.22	404.90	2.17	1.25	-19.27	-2,136.60	-124.47	2,105.53	2,102.22	3.31	636.676		
700.00	695.62	457.00	456.35	2.62	1.44	-19.52	-2,141.43	-121.31	2,096.43	2,092.56	3.88	540.927		
800.00	793.06	514.81	513.63	3.12	1.67	-19.83	-2,148.06	-117.06	2,086.22	2,081.74	4.48	465.277		
900.00	889.64	577.88	575.90	3.65	1.94	-20.23	-2,156.42	-111.58	2,074.63	2,069.50	5.13	404.619		
1,000.00	985.27	644.00	640.95	4.23	2.23	-20.70	-2,166.18	-104.90	2,061.44	2,055.64	5.80	355.360		
1,100.00	1,079.82	714.67	710.26	4.85	2.55	-21.27	-2,177.57	-97.08	2,046.57	2,040.06	6.52	313.992		
1,200.00	1,173.17	783.76	777.83	5.52	2.88	-21.88	-2,189.58	-89.17	2,030.00	2,022.75	7.25	280.033		
1,300.00	1,265.21	832.00	824.90	6.24	3.12	-22.39	-2,198.50	-83.51	2,011.93	2,004.02	7.91	254.397		
1,400.00	1,355.84	902.51	893.40	7.01	3.49	-23.12	-2,212.72	-74.77	1,992.55	1,983.85	8.70	229.133		
1,500.00	1,444.94	966.00	954.69	7.82	3.83	-23.87	-2,226.84	-66.12	1,972.28	1,962.79	9.48	208.011		
1,600.00	1,532.39	1,019.00	1,005.62	8.69	4.13	-24.60	-2,239.11	-58.06	1,950.62	1,940.38	10.24	190.418		
1,700.00	1,618.11	1,089.74	1,073.25	9.61	4.55	-25.58	-2,256.46	-46.68	1,927.77	1,916.63	11.13	173.168		
1,800.00	1,701.97	1,151.79	1,132.22	10.58	4.93	-26.54	-2,272.76	-36.37	1,904.09	1,892.07	12.01	158.478		
1,900.00	1,783.88	1,206.00	1,183.48	11.59	5.27	-27.47	-2,287.53	-26.72	1,879.36	1,866.47	12.89	145.772		
2,000.00	1,863.74	1,262.55	1,236.60	12.66	5.66	-28.51	-2,303.79	-16.15	1,854.04	1,840.21	13.83	134.078		
2,100.00	1,941.45	1,300.00	1,271.52	13.77	5.91	-29.31	-2,315.24	-8.96	1,828.63	1,813.94	14.69	124.482		
2,200.00	2,016.92	1,355.63	1,322.97	14.94	6.32	-30.45	-2,333.31	2.01	1,803.13	1,787.42	15.71	114.783		
2,300.00	2,090.05	1,394.00	1,358.14	16.14	6.60	-31.35	-2,346.55	9.78	1,777.87	1,761.21	16.66	106.705		
2,400.00	2,160.76	1,456.36	1,414.79	17.40	7.09	-32.73	-2,369.00	23.01	1,752.56	1,734.73	17.83	98.267		
2,500.00	2,228.95	1,516.18	1,468.66	18.69	7.57	-34.15	-2,391.25	36.49	1,727.24	1,708.18	19.06	90.639		
2,600.00	2,294.55	1,585.62	1,530.95	20.03	8.15	-35.86	-2,417.44	52.50	1,701.48	1,681.06	20.42	83.304		
2,700.00	2,357.48	1,670.47	1,607.01	21.41	8.86	-38.00	-2,449.28	72.48	1,674.93	1,652.92	22.01	76.114		
2,800.00	2,417.66	1,753.56	1,681.62	22.83	9.56	-40.27	-2,479.82	92.62	1,647.49	1,623.82	23.68	69.580		
2,900.00	2,475.32	1,831.44	1,751.65	24.29	10.22	-42.38	-2,507.85	112.00	1,619.82	1,594.41	25.41	63.739		
3,000.00	2,532.58	1,906.92	1,819.60	25.75	10.86	-44.28	-2,534.60	131.09	1,594.17	1,566.95	27.22	58.573		
3,100.00	2,589.83	1,976.58	1,882.31	27.22	11.46	-46.09	-2,558.75	149.42	1,571.17	1,542.12	29.05	54.084		
3,200.00	2,647.08	2,040.73	1,940.02	28.70	12.00	-47.75	-2,581.58	165.66	1,551.34	1,520.44	30.90	50.208		
3,300.00	2,704.33	2,094.76	1,988.47	30.17	12.48	-49.15	-2,601.45	178.95	1,534.97	1,502.27	32.70	46.942		
3,400.00	2,761.58	2,149.54	2,037.28	31.65	12.96	-50.58	-2,622.03	192.91	1,522.54	1,487.98	34.56	44.056		
3,500.00	2,818.84	2,237.68	2,115.87	33.13	13.74	-52.91	-2,654.85	215.62	1,513.18	1,476.31	36.87	41.046		
3,600.00	2,876.09	2,308.85	2,179.49	34.62	14.37	-54.80	-2,681.19	233.62	1,506.64	1,467.61	39.03	38.599		
3,700.00	2,933.34	2,386.66	2,249.05	36.10	15.05	-56.86	-2,710.28	252.81	1,503.21	1,461.88	41.33	36.369		
3,768.90	2,972.79	2,440.52	2,297.31	37.13	15.53	-58.29	-2,730.22	266.02	1,502.50	1,459.55	42.95	34.983 CC		
3,800.00	2,990.59	2,463.73	2,318.12	37.59	15.73	-58.91	-2,738.82	271.66	1,502.65	1,458.98	43.67	34.409 ES		
3,900.00	3,047.84	2,537.90	2,384.62	39.08	16.38	-60.86	-2,766.49	289.39	1,505.14	1,459.14	46.00	32.719		
4,000.00	3,105.10	2,609.31	2,448.64	40.57	17.01	-62.74	-2,793.15	306.43	1,510.78	1,462.46	48.32	31.267		
4,100.00	3,162.35	2,677.58	2,509.82	42.06	17.61	-64.53	-2,818.56	322.89	1,519.66	1,469.06	50.60	30.033		
4,200.00	3,219.60	2,745.91	2,571.03	43.55	18.21	-66.31	-2,843.87	339.66	1,531.81	1,478.94	52.87	28.971		
4,300.00	3,276.85	2,811.67	2,629.97	45.05	18.79	-68.03	-2,867.93	356.17	1,547.20	1,492.10	55.09	28.083		
4,400.00	3,334.10	2,870.29	2,682.28	46.54	19.32	-69.53	-2,889.83	371.03	1,566.03	1,508.87	57.17	27.394		
4,500.00	3,391.35	2,953.24	2,756.02	48.03	20.06	-71.61	-2,921.56	391.90	1,587.94	1,528.32	59.61	26.637		
4,600.00	3,448.61	3,044.14	2,837.35	49.53	20.87	-73.85	-2,955.63	413.97	1,611.60	1,549.44	62.17	25.924		
4,700.00	3,505.86	3,130.49	2,915.06	51.03	21.62	-75.96	-2,987.27	434.41	1,637.18	1,572.58	64.60	25.343		
4,800.00	3,563.11	3,200.55	2,978.30	52.52	22.23	-77.64	-3,012.60	450.69	1,664.83	1,598.11	66.71	24.955		
4,900.00	3,620.36	3,254.73	3,026.96	54.02	22.70	-78.90	-3,032.66	463.57	1,695.45	1,626.97	68.49	24.756		
5,000.00	3,677.61	3,330.41	3,094.65	55.52	23.37	-80.62	-3,061.17	481.82	1,728.72	1,658.12	70.60	24.486		
5,100.00	3,734.87	3,416.97	3,172.29	57.02	24.13	-82.55	-3,093.51	502.25	1,763.62	1,690.76	72.86	24.205		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 98-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,792.12	3,494.10	3,241.72	58.51	24.80	-84.22	-3,122.07	519.99	1,799.98	1,725.08	74.90	24.031	SF	
5,300.00	3,849.37	3,549.00	3,291.17	60.01	25.28	-85.39	-3,142.22	532.71	1,838.35	1,761.88	76.47	24.041		
5,400.00	3,906.62	3,606.15	3,342.57	61.51	25.78	-86.59	-3,163.10	546.45	1,879.10	1,801.09	78.02	24.086		
5,500.00	3,963.87	3,660.97	3,391.68	63.01	26.26	-87.71	-3,183.08	560.38	1,922.43	1,842.97	79.46	24.194		
5,600.00	4,021.13	3,739.36	3,462.10	64.51	26.96	-89.29	-3,211.12	580.39	1,967.38	1,886.05	81.33	24.191		
5,700.00	4,078.38	3,820.95	3,535.52	66.01	27.67	-90.89	-3,240.21	600.86	2,013.49	1,930.28	83.21	24.197		
5,800.00	4,135.63	3,898.89	3,605.73	67.51	28.35	-92.36	-3,268.08	620.06	2,060.67	1,975.68	84.99	24.247		
5,900.00	4,192.88	3,965.55	3,665.90	69.01	28.93	-93.59	-3,291.65	636.41	2,109.04	2,022.55	86.50	24.383		
6,000.00	4,250.13	4,017.00	3,712.24	70.51	29.37	-94.51	-3,309.99	649.21	2,158.95	2,071.29	87.66	24.629		
6,100.00	4,307.39	4,080.28	3,768.94	72.02	29.94	-95.60	-3,332.97	665.34	2,210.38	2,121.33	89.05	24.822		
6,200.00	4,364.64	4,141.48	3,823.39	73.52	30.50	-96.60	-3,355.84	681.41	2,263.33	2,172.95	90.38	25.043		
6,300.00	4,421.89	4,211.49	3,885.26	75.02	31.15	-97.69	-3,382.85	699.92	2,317.29	2,225.40	91.89	25.217		
6,400.00	4,479.14	4,275.66	3,941.58	76.52	31.76	-98.64	-3,408.40	717.08	2,372.22	2,278.94	93.29	25.430		
6,500.00	4,536.39	4,361.45	4,016.53	78.02	32.59	-99.84	-3,443.23	740.09	2,427.90	2,332.74	95.16	25.515		
6,600.00	4,593.64	4,430.27	4,076.90	79.52	33.24	-100.78	-3,470.90	758.17	2,483.86	2,387.23	96.62	25.707		
6,700.00	4,650.90	4,486.00	4,125.91	81.03	33.77	-101.52	-3,492.82	773.08	2,540.88	2,443.11	97.77	25.988		
6,800.00	4,708.15	4,560.31	4,191.58	82.53	34.46	-102.51	-3,521.28	793.06	2,598.72	2,499.41	99.30	26.169		
6,900.00	4,765.40	4,657.44	4,278.04	84.03	35.35	-103.77	-3,557.48	818.55	2,656.83	2,555.53	101.30	26.228		
7,000.00	4,822.65	4,735.32	4,347.75	85.53	36.05	-104.76	-3,586.02	838.31	2,714.95	2,612.11	102.84	26.400		
7,100.00	4,879.90	4,800.28	4,406.16	87.04	36.62	-105.57	-3,609.24	854.68	2,773.65	2,669.56	104.08	26.649		
7,200.00	4,937.16	4,860.00	4,459.71	88.54	37.15	-106.29	-3,630.79	870.00	2,833.15	2,727.94	105.21	26.929		
7,300.00	4,994.41	4,982.69	4,569.40	90.04	38.25	-107.69	-3,676.35	900.76	2,892.53	2,784.85	107.67	26.864		
7,400.00	5,051.66	5,062.49	4,641.36	91.54	38.95	-108.58	-3,705.16	919.70	2,951.63	2,842.44	109.19	27.031		
7,500.00	5,108.91	5,113.26	4,687.19	93.05	39.39	-109.13	-3,723.29	931.87	3,011.45	2,901.35	110.10	27.352		
7,600.00	5,166.16	5,179.67	4,746.93	94.55	39.97	-109.83	-3,747.24	948.26	3,072.10	2,960.77	111.33	27.595		
7,700.00	5,223.42	5,255.03	4,814.77	96.05	40.63	-110.60	-3,774.40	966.65	3,132.98	3,020.24	112.74	27.789		
7,800.00	5,280.67	5,311.58	4,865.39	97.56	41.13	-111.14	-3,795.29	980.77	3,194.43	3,080.66	113.77	28.078		
7,900.00	5,337.92	5,389.56	4,934.81	99.06	41.84	-111.86	-3,824.74	1,000.62	3,256.38	3,141.12	115.27	28.251		
8,000.00	5,395.17	5,497.02	5,030.79	100.56	42.81	-112.82	-3,865.12	1,027.17	3,318.20	3,200.83	117.37	28.271		
8,100.00	5,452.42	5,567.24	5,093.91	102.07	43.42	-113.43	-3,891.00	1,043.84	3,379.78	3,261.12	118.66	28.483		
8,200.00	5,509.68	5,635.29	5,155.47	103.57	44.01	-114.03	-3,915.16	1,059.88	3,441.86	3,321.99	119.88	28.712		
8,300.00	5,566.93	5,704.00	5,217.88	105.08	44.59	-114.63	-3,939.10	1,075.76	3,504.10	3,383.01	121.09	28.939		
8,400.00	5,624.18	5,760.30	5,268.97	106.58	45.07	-115.11	-3,958.74	1,088.92	3,566.83	3,444.79	122.05	29.225		
8,500.00	5,681.43	5,809.66	5,313.56	108.08	45.49	-115.51	-3,976.18	1,100.96	3,630.35	3,507.48	122.87	29.547		
8,600.00	5,738.68	5,872.13	5,370.16	109.59	46.02	-116.01	-3,997.75	1,116.24	3,694.38	3,570.44	123.95	29.806		
8,700.00	5,795.93	5,922.04	5,415.57	111.09	46.45	-116.42	-4,014.50	1,128.42	3,758.90	3,634.15	124.75	30.131		
8,800.00	5,853.19	5,966.41	5,455.85	112.60	46.82	-116.77	-4,029.40	1,139.57	3,824.12	3,698.67	125.44	30.485		
8,900.00	5,910.44	6,033.90	5,517.12	114.10	47.39	-117.29	-4,051.83	1,156.79	3,889.90	3,763.30	126.60	30.726		
9,000.00	5,967.69	6,244.23	5,709.56	115.60	49.11	-118.87	-4,121.19	1,205.70	3,954.42	3,823.88	130.53	30.295		
9,100.00	6,024.94	6,309.29	5,769.40	117.11	49.63	-119.34	-4,142.60	1,219.58	4,018.06	3,886.47	131.59	30.535		
9,200.00	6,082.19	6,366.88	5,822.75	118.61	50.07	-119.77	-4,160.60	1,231.68	4,082.19	3,949.71	132.48	30.814		
9,300.00	6,139.45	6,458.57	5,909.03	120.12	50.72	-120.49	-4,186.07	1,249.30	4,146.46	4,012.59	133.87	30.973		
9,400.00	6,196.70	6,498.83	5,947.33	121.62	50.97	-120.82	-4,196.14	1,256.56	4,211.08	4,076.74	134.34	31.346		
9,500.00	6,253.95	6,547.00	5,993.27	123.13	51.28	-121.22	-4,207.69	1,265.33	4,276.39	4,141.46	134.93	31.695		
9,600.00	6,311.20	6,710.76	6,150.89	124.63	52.24	-122.59	-4,243.59	1,291.28	4,341.06	4,203.92	137.14	31.654		
9,700.00	6,368.45	6,855.17	6,291.21	126.13	53.00	-123.81	-4,272.39	1,309.54	4,404.83	4,265.97	138.86	31.720		
9,800.00	6,425.71	6,977.99	6,411.12	127.64	53.60	-124.84	-4,295.73	1,322.22	4,467.83	4,327.62	140.21	31.866		
9,900.00	6,482.96	7,015.00	6,447.33	129.14	53.77	-125.14	-4,302.52	1,325.72	4,531.08	4,390.55	140.53	32.243		
10,000.00	6,540.21	7,067.84	6,499.12	130.65	54.01	-125.58	-4,311.74	1,330.73	4,594.93	4,453.92	141.00	32.587		
10,100.00	6,597.46	7,109.00	6,539.54	132.15	54.20	-125.92	-4,318.36	1,334.77	4,659.64	4,518.30	141.33	32.969		
10,200.00	6,654.71	7,138.92	6,568.96	133.66	54.33	-126.17	-4,322.91	1,337.77	4,725.07	4,583.55	141.52	33.389		
10,300.00	6,711.97	7,176.40	6,605.84	135.16	54.49	-126.48	-4,328.38	1,341.62	4,791.20	4,649.43	141.77	33.795		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 98-MWVD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,400.00	6,769.19	7,225.07	6,653.79	136.67	54.70	-128.10	-4,335.07	1,346.68	4,858.06	4,715.92	142.14	34.178	
10,500.00	6,824.05	7,302.94	6,730.77	138.22	55.00	-140.01	-4,344.33	1,353.80	4,931.86	4,789.04	142.82	34.532	
10,600.00	6,873.81	7,419.72	6,846.76	139.81	55.39	-154.55	-4,355.51	1,361.37	5,014.43	4,870.62	143.81	34.868	
10,700.00	6,916.95	7,463.22	6,890.08	141.38	55.52	-173.38	-4,358.80	1,363.41	5,103.73	4,959.58	144.15	35.407	
10,800.00	6,952.17	7,498.43	6,925.19	142.87	55.62	159.93	-4,361.09	1,364.83	5,197.12	5,052.71	144.42	35.987	
10,900.00	6,978.39	7,524.54	6,951.23	144.24	55.69	129.05	-4,362.63	1,365.78	5,291.82	5,147.20	144.62	36.591	
11,000.00	6,994.82	7,539.64	6,966.31	145.43	55.73	105.18	-4,363.47	1,366.29	5,385.09	5,240.33	144.75	37.201	
11,100.00	7,000.96	7,543.14	6,969.80	146.41	55.74	90.82	-4,363.66	1,366.41	5,474.33	5,329.50	144.83	37.799	
11,200.00	7,001.00	7,539.64	6,966.31	147.26	55.73	89.86	-4,363.47	1,366.29	5,560.38	5,415.52	144.87	38.382	
11,300.00	7,001.00	7,536.00	6,962.68	148.14	55.72	89.79	-4,363.27	1,366.17	5,646.87	5,501.96	144.91	38.968	
11,400.00	7,001.00	7,532.27	6,958.95	149.06	55.71	89.71	-4,363.07	1,366.04	5,733.80	5,588.85	144.95	39.558	
11,500.00	7,001.00	7,528.44	6,955.13	150.00	55.70	89.64	-4,362.85	1,365.91	5,821.14	5,676.16	144.98	40.150	
11,600.00	7,001.00	7,524.51	6,951.21	150.97	55.69	89.56	-4,362.63	1,365.78	5,908.88	5,763.86	145.02	40.746	
11,700.00	7,001.00	7,520.48	6,947.19	151.97	55.68	89.47	-4,362.40	1,365.64	5,997.01	5,851.96	145.05	41.344	
11,800.00	7,001.00	7,516.33	6,943.05	153.00	55.67	89.39	-4,362.16	1,365.49	6,085.49	5,940.41	145.08	41.946	
11,900.00	7,001.00	7,512.08	6,938.80	154.06	55.65	89.30	-4,361.91	1,365.34	6,174.33	6,029.22	145.11	42.550	
12,000.00	7,001.00	7,507.70	6,934.43	155.15	55.64	89.21	-4,361.65	1,365.18	6,263.50	6,118.37	145.13	43.157	
12,100.00	7,001.00	7,503.20	6,929.94	156.27	55.63	89.12	-4,361.38	1,365.01	6,352.99	6,207.84	145.16	43.766	
12,200.00	7,001.00	7,498.56	6,925.32	157.43	55.62	89.03	-4,361.10	1,364.84	6,442.79	6,297.61	145.18	44.378	
12,300.00	7,001.00	7,494.12	6,920.89	158.61	55.61	88.94	-4,360.82	1,364.66	6,532.88	6,387.68	145.20	44.991	
12,400.00	7,001.00	7,489.09	6,915.88	159.82	55.60	88.84	-4,360.51	1,364.47	6,623.25	6,478.03	145.22	45.608	
12,500.00	7,001.00	7,483.83	6,910.63	161.07	55.58	88.73	-4,360.18	1,364.27	6,713.90	6,568.66	145.23	46.228	
12,600.00	7,001.00	7,478.31	6,905.12	162.34	55.56	88.62	-4,359.82	1,364.04	6,804.80	6,659.55	145.24	46.851	
12,700.00	7,001.00	7,472.51	6,899.34	163.64	55.55	88.50	-4,359.44	1,363.81	6,895.95	6,750.70	145.25	47.476	
12,800.00	7,001.00	7,466.42	6,893.27	164.98	55.53	88.38	-4,359.03	1,363.55	6,987.34	6,842.08	145.26	48.104	
12,900.00	7,001.00	7,460.00	6,886.88	166.34	55.51	88.25	-4,358.58	1,363.27	7,078.96	6,933.70	145.26	48.734	
13,000.00	7,001.00	7,453.25	6,880.14	167.74	55.49	88.11	-4,358.10	1,362.98	7,170.79	7,025.54	145.26	49.367	
13,100.00	7,001.00	7,446.12	6,873.04	169.16	55.47	87.97	-4,357.57	1,362.65	7,262.84	7,117.59	145.25	50.002	
13,200.00	7,001.00	7,438.58	6,865.54	170.61	55.45	87.82	-4,357.00	1,362.30	7,355.09	7,209.85	145.24	50.640	
13,300.00	7,001.00	7,203.00	6,632.03	172.10	54.61	83.16	-4,332.11	1,344.41	7,447.46	7,304.13	143.32	51.962	
13,400.00	7,001.00	7,203.00	6,632.03	173.61	54.61	83.16	-4,332.11	1,344.41	7,539.86	7,396.48	143.38	52.586	
13,500.00	7,001.00	7,203.00	6,632.03	175.15	54.61	83.16	-4,332.11	1,344.41	7,632.46	7,489.02	143.44	53.211	
13,600.00	7,001.00	7,203.00	6,632.03	176.72	54.61	83.16	-4,332.11	1,344.41	7,725.24	7,581.75	143.49	53.837	
13,700.00	7,001.00	7,203.00	6,632.03	178.31	54.61	83.16	-4,332.11	1,344.41	7,818.20	7,674.65	143.55	54.464	
13,800.00	7,001.00	7,176.00	6,605.45	179.94	54.49	82.65	-4,328.32	1,341.58	7,911.24	7,767.90	143.34	55.192	
13,900.00	7,001.00	7,170.82	6,600.35	181.59	54.47	82.55	-4,327.58	1,341.04	8,004.50	7,861.16	143.34	55.841	
14,000.00	7,001.00	7,165.68	6,595.29	183.26	54.45	82.45	-4,326.84	1,340.51	8,097.91	7,954.56	143.35	56.491	
14,100.00	7,001.00	7,160.57	6,590.26	184.97	54.42	82.35	-4,326.10	1,339.98	8,191.48	8,048.12	143.35	57.142	
14,200.00	7,001.00	7,155.49	6,585.26	186.70	54.40	82.25	-4,325.36	1,339.46	8,285.18	8,141.83	143.36	57.794	
14,300.00	7,001.00	7,150.45	6,580.30	188.45	54.38	82.16	-4,324.62	1,338.95	8,379.03	8,235.67	143.36	58.447	
14,400.00	7,001.00	7,145.44	6,575.37	190.23	54.36	82.06	-4,323.88	1,338.43	8,473.01	8,329.64	143.37	59.101	
14,500.00	7,001.00	7,140.46	6,570.47	192.03	54.34	81.97	-4,323.14	1,337.93	8,567.12	8,423.75	143.37	59.755	
14,600.00	7,001.00	7,135.51	6,565.61	193.86	54.32	81.88	-4,322.40	1,337.43	8,661.36	8,517.98	143.37	60.411	
14,700.00	7,001.00	7,109.00	6,539.54	195.71	54.20	81.38	-4,318.36	1,334.77	8,755.77	8,612.60	143.18	61.153	
14,800.00	7,001.00	7,109.00	6,539.54	197.58	54.20	81.38	-4,318.36	1,334.77	8,850.23	8,707.00	143.23	61.791	
14,900.00	7,001.00	7,109.00	6,539.54	199.47	54.20	81.38	-4,318.36	1,334.77	8,944.80	8,801.53	143.28	62.429	
15,000.00	7,001.00	7,109.00	6,539.54	201.39	54.20	81.38	-4,318.36	1,334.77	9,039.50	8,896.17	143.33	63.069	
15,100.00	7,001.00	7,109.00	6,539.54	203.32	54.20	81.38	-4,318.36	1,334.77	9,134.30	8,990.93	143.38	63.708	
15,200.00	7,001.00	7,109.00	6,539.54	205.28	54.20	81.38	-4,318.36	1,334.77	9,229.22	9,085.79	143.42	64.349	
15,300.00	7,001.00	7,109.00	6,539.54	207.25	54.20	81.38	-4,318.36	1,334.77	9,324.24	9,180.77	143.47	64.990	
15,400.00	7,001.00	7,109.00	6,539.54	209.25	54.20	81.38	-4,318.36	1,334.77	9,419.37	9,275.85	143.52	65.631	
15,500.00	7,001.00	7,109.00	6,539.54	211.26	54.20	81.38	-4,318.36	1,334.77	9,514.59	9,371.02	143.57	66.273	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 98-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,600.00	7,001.00	7,109.00	6,539.54	213.30	54.20	81.38	-4,318.36	1,334.77	9,609.91	9,466.30	143.61	66.916	
15,700.00	7,001.00	7,109.00	6,539.54	215.35	54.20	81.38	-4,318.36	1,334.77	9,705.33	9,561.67	143.66	67.559	
15,800.00	7,001.00	7,109.00	6,539.54	217.42	54.20	81.38	-4,318.36	1,334.77	9,800.84	9,657.13	143.70	68.202	
15,900.00	7,001.00	7,078.17	6,509.26	219.50	54.06	80.80	-4,313.44	1,331.74	9,896.31	9,752.85	143.47	68.979	
16,000.00	7,001.00	7,074.17	6,505.33	221.60	54.04	80.72	-4,312.79	1,331.35	9,991.97	9,848.49	143.48	69.641	
16,100.00	7,001.00	7,070.18	6,501.42	223.72	54.02	80.65	-4,312.13	1,330.96	10,087.70	9,944.21	143.49	70.304	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 96-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	84.11	84.11	0.27	0.13	-177.68	-2,129.51	-86.35	2,131.29	2,130.89	0.39	5,398.170		
200.00	199.98	192.38	192.37	0.62	0.49	-19.94	-2,128.67	-85.42	2,128.84	2,127.73	1.11	1,923.390		
300.00	299.84	287.16	287.14	0.97	0.83	-20.06	-2,127.94	-84.15	2,123.10	2,121.30	1.80	1,177.878		
400.00	399.45	381.81	381.76	1.34	1.17	-20.25	-2,127.36	-82.19	2,114.23	2,111.72	2.51	843.835		
500.00	498.70	461.73	461.67	1.74	1.45	-20.46	-2,127.39	-80.96	2,102.78	2,099.62	3.16	665.918		
600.00	597.47	548.85	548.79	2.17	1.76	-20.72	-2,128.05	-79.91	2,088.82	2,084.98	3.84	543.807		
700.00	695.62	661.40	661.30	2.62	2.16	-21.14	-2,129.17	-77.26	2,071.92	2,067.29	4.63	447.554		
800.00	793.06	791.86	791.72	3.12	2.62	-21.68	-2,127.81	-74.56	2,049.64	2,044.15	5.49	373.439		
900.00	889.64	881.33	881.18	3.65	2.93	-22.12	-2,126.88	-74.68	2,024.49	2,018.29	6.20	326.465		
1,000.00	985.27	987.25	987.10	4.23	3.30	-22.70	-2,125.69	-74.49	1,996.22	1,989.24	6.99	285.783		
1,100.00	1,079.82	1,086.71	1,086.50	4.85	3.66	-23.43	-2,124.01	-71.73	1,964.38	1,956.61	7.77	252.849		
1,200.00	1,173.17	1,189.98	1,189.62	5.52	4.03	-24.36	-2,121.96	-66.77	1,929.38	1,920.79	8.59	224.713		
1,300.00	1,265.21	1,277.38	1,276.80	6.24	4.35	-25.36	-2,119.92	-60.88	1,891.32	1,881.95	9.37	201.841		
1,400.00	1,355.84	1,354.06	1,353.19	7.01	4.64	-26.43	-2,118.40	-54.31	1,850.97	1,840.83	10.15	182.442		
1,500.00	1,444.84	1,432.88	1,431.51	7.82	4.93	-27.72	-2,117.28	-45.55	1,808.71	1,797.75	10.96	164.996		
1,600.00	1,532.39	1,543.70	1,541.23	8.69	5.37	-29.66	-2,115.26	-30.14	1,764.06	1,752.12	11.94	147.792		
1,700.00	1,618.11	1,652.43	1,648.12	9.61	5.81	-32.00	-2,110.61	-10.88	1,715.47	1,702.51	12.96	132.322		
1,800.00	1,701.97	1,735.82	1,729.42	10.58	6.18	-34.29	-2,105.96	7.10	1,664.59	1,650.61	13.98	119.107		
1,900.00	1,783.88	1,809.39	1,800.55	11.59	6.52	-36.69	-2,101.35	25.30	1,612.23	1,597.20	15.03	107.246		
2,000.00	1,863.74	1,875.95	1,864.36	12.66	6.84	-39.22	-2,096.88	43.66	1,559.02	1,542.86	16.15	96.510		
2,100.00	1,941.45	1,936.74	1,922.17	13.77	7.16	-41.85	-2,092.56	61.95	1,505.46	1,488.11	17.36	86.742		
2,200.00	2,016.92	2,017.48	1,998.28	14.94	7.61	-45.42	-2,086.01	88.09	1,451.74	1,432.94	18.80	77.223		
2,300.00	2,090.05	2,088.89	2,065.05	16.14	8.03	-49.00	-2,078.70	112.34	1,397.73	1,377.40	20.34	68.727		
2,400.00	2,160.76	2,148.27	2,120.21	17.40	8.39	-52.37	-2,071.82	133.19	1,344.57	1,322.62	21.94	61.281		
2,500.00	2,228.95	2,187.87	2,156.84	18.69	8.64	-55.04	-2,067.05	147.48	1,293.30	1,269.75	23.56	54.905		
2,600.00	2,294.55	2,225.69	2,191.69	20.03	8.89	-57.68	-2,062.46	161.43	1,244.78	1,219.50	25.28	49.243		
2,700.00	2,357.48	2,265.86	2,228.64	21.41	9.16	-60.46	-2,057.56	176.43	1,199.66	1,172.50	27.15	44.184		
2,800.00	2,417.66	2,304.68	2,264.39	22.83	9.42	-63.16	-2,052.78	190.77	1,158.54	1,129.41	29.12	39.779		
2,900.00	2,475.32	2,338.07	2,295.19	24.29	9.64	-65.24	-2,048.65	202.99	1,122.37	1,091.25	31.12	36.063		
3,000.00	2,532.58	2,367.75	2,322.63	25.75	9.84	-66.75	-2,045.13	213.75	1,093.06	1,059.97	33.09	33.033		
3,100.00	2,589.83	2,398.81	2,351.40	27.22	10.05	-68.33	-2,041.66	224.90	1,071.38	1,036.36	35.02	30.591		
3,200.00	2,647.08	2,432.76	2,382.93	28.70	10.28	-70.07	-2,038.10	236.98	1,057.71	1,020.82	36.89	28.673		
3,300.00	2,704.33	2,470.29	2,417.81	30.17	10.54	-71.99	-2,034.16	250.24	1,052.21	1,013.56	38.65	27.224		
3,316.54	2,713.80	2,476.47	2,423.57	30.42	10.58	-72.30	-2,033.50	252.42	1,052.10	1,013.17	38.92	27.029 CC, ES		
3,400.00	2,761.58	2,507.63	2,452.54	31.65	10.79	-73.90	-2,030.15	263.36	1,054.98	1,014.76	40.22	26.228		
3,500.00	2,818.84	2,539.84	2,482.52	33.13	11.02	-75.54	-2,026.68	274.65	1,066.03	1,024.52	41.51	25.680		
3,600.00	2,876.09	2,571.34	2,511.83	34.62	11.23	-77.14	-2,023.44	285.73	1,085.21	1,042.65	42.56	25.496 SF		
3,700.00	2,933.34	2,603.44	2,541.69	36.10	11.45	-78.76	-2,020.30	297.06	1,112.09	1,068.68	43.41	25.620		
3,800.00	2,990.59	2,638.14	2,573.98	37.59	11.70	-80.50	-2,017.03	309.34	1,146.07	1,101.97	44.10	25.990		
3,900.00	3,047.84	2,673.50	2,606.89	39.08	11.94	-82.26	-2,013.76	321.85	1,186.48	1,141.85	44.63	26.584		
4,000.00	3,105.10	2,709.24	2,640.17	40.57	12.19	-84.01	-2,010.52	334.49	1,232.67	1,187.63	45.04	27.368		
4,100.00	3,162.35	2,745.51	2,673.94	42.06	12.45	-85.76	-2,007.27	347.30	1,284.00	1,238.64	45.35	28.311		
4,200.00	3,219.60	2,781.93	2,707.86	43.55	12.70	-87.49	-2,004.02	360.15	1,339.87	1,294.27	45.59	29.388		
4,300.00	3,276.85	2,827.10	2,749.98	45.05	13.02	-89.60	-2,000.02	375.97	1,399.66	1,353.74	45.91	30.486		
4,400.00	3,334.10	2,878.83	2,798.40	46.54	13.38	-91.96	-1,995.41	393.60	1,462.61	1,416.32	46.29	31.596		
4,500.00	3,391.35	2,917.77	2,834.93	48.03	13.65	-93.69	-1,991.96	406.61	1,528.40	1,481.95	46.45	32.902		
4,600.00	3,448.61	2,953.59	2,868.55	49.53	13.89	-95.25	-1,988.84	418.61	1,596.92	1,550.36	46.56	34.298		
4,700.00	3,505.86	2,989.81	2,902.52	51.03	14.14	-96.79	-1,985.75	430.78	1,667.83	1,621.16	46.67	35.736		
4,800.00	3,563.11	3,026.65	2,937.07	52.52	14.40	-98.31	-1,982.51	443.13	1,740.82	1,694.03	46.79	37.203		
4,900.00	3,620.36	3,062.87	2,971.06	54.02	14.65	-99.79	-1,979.14	455.19	1,815.65	1,768.74	46.91	38.707		
5,000.00	3,677.61	3,077.00	2,984.32	55.52	14.75	-100.35	-1,977.78	459.88	1,892.24	1,845.54	46.70	40.515		
5,100.00	3,734.87	3,108.32	3,013.64	57.02	14.97	-101.59	-1,974.65	470.44	1,970.42	1,923.66	46.77	42.131		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 96-MWVD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,200.00	3,792.12	3,126.98	3,031.03	58.51	15.11	-102.31	-1,972.72	476.90	2,050.24	2,003.58	46.66	43.942	
5,300.00	3,849.37	3,145.01	3,047.79	60.01	15.24	-102.99	-1,970.81	483.28	2,131.47	2,084.91	46.55	45.787	
5,400.00	3,906.62	3,170.00	3,070.93	61.51	15.42	-103.93	-1,968.07	492.31	2,213.98	2,167.41	46.57	47.544	
5,500.00	3,963.87	3,201.56	3,100.13	63.01	15.65	-105.08	-1,964.56	503.77	2,297.50	2,250.80	46.70	49.199	
5,600.00	4,021.13	3,259.88	3,154.28	64.51	16.08	-107.15	-1,958.06	524.42	2,381.56	2,334.31	47.24	50.411	
5,700.00	4,078.38	3,297.42	3,189.22	66.01	16.35	-108.42	-1,953.97	537.51	2,466.13	2,418.64	47.49	51.930	
5,800.00	4,135.63	3,334.00	3,223.26	67.51	16.62	-109.62	-1,950.20	550.38	2,551.34	2,503.60	47.74	53.442	
5,900.00	4,192.88	3,373.08	3,259.60	69.01	16.90	-110.85	-1,946.40	564.23	2,637.09	2,589.04	48.05	54.888	
6,000.00	4,250.13	3,415.66	3,299.26	70.51	17.21	-112.16	-1,942.20	579.16	2,723.28	2,674.87	48.41	56.251	
6,100.00	4,307.39	3,458.30	3,339.05	72.02	17.53	-113.42	-1,937.85	593.88	2,809.86	2,761.07	48.79	57.593	
6,200.00	4,364.64	3,482.55	3,361.67	73.52	17.70	-114.12	-1,935.30	602.22	2,896.91	2,848.01	48.90	59.240	
6,300.00	4,421.89	3,508.65	3,386.00	75.02	17.89	-114.85	-1,932.47	611.22	2,984.47	2,935.42	49.05	60.843	
6,400.00	4,479.14	3,545.00	3,419.87	76.52	18.16	-115.86	-1,928.39	623.79	3,072.53	3,023.16	49.36	62.246	
6,500.00	4,536.39	3,583.77	3,455.99	78.02	18.44	-116.89	-1,924.07	637.18	3,160.89	3,111.18	49.72	63.579	
6,600.00	4,593.64	3,682.33	3,548.14	79.52	19.15	-119.35	-1,914.24	670.75	3,249.23	3,198.28	50.95	63.774	
6,700.00	4,650.90	3,802.36	3,661.37	81.03	19.97	-122.06	-1,904.58	709.34	3,336.37	3,283.89	52.48	63.576	
6,800.00	4,708.15	3,826.00	3,683.74	82.53	20.13	-122.57	-1,902.75	716.78	3,423.88	3,371.24	52.64	65.040	
6,900.00	4,765.40	3,867.52	3,723.11	84.03	20.42	-123.43	-1,899.47	729.55	3,511.41	3,458.35	53.06	66.177	
7,000.00	4,822.65	3,883.83	3,738.52	85.53	20.53	-123.77	-1,898.09	734.70	3,599.61	3,546.47	53.13	67.745	
7,100.00	4,879.90	3,920.00	3,772.59	87.04	20.77	-124.49	-1,894.81	746.41	3,688.38	3,634.89	53.49	68.950	
7,200.00	4,937.16	3,920.00	3,772.59	88.54	20.77	-124.49	-1,894.81	746.41	3,777.31	3,723.95	53.35	70.799	
7,300.00	4,994.41	3,938.82	3,790.27	90.04	20.91	-124.85	-1,893.04	752.61	3,866.71	3,813.23	53.48	72.298	
7,400.00	5,051.66	3,966.27	3,816.03	91.54	21.10	-125.37	-1,890.43	761.71	3,956.39	3,902.64	53.74	73.618	
7,500.00	5,108.91	3,993.45	3,841.52	93.05	21.29	-125.87	-1,887.82	770.78	4,046.30	3,992.30	54.00	74.926	
7,600.00	5,166.16	4,014.00	3,860.78	94.55	21.44	-126.25	-1,885.85	777.68	4,136.45	4,082.27	54.18	76.350	
7,700.00	5,223.42	4,049.17	3,893.71	96.05	21.69	-126.87	-1,882.43	789.55	4,226.79	4,172.22	54.57	77.461	
7,800.00	5,280.67	4,077.31	3,920.03	97.56	21.90	-127.35	-1,879.65	799.08	4,317.33	4,262.47	54.86	78.696	
7,900.00	5,337.92	4,107.00	3,947.80	99.06	22.11	-127.85	-1,876.70	809.18	4,408.05	4,352.87	55.18	79.882	
8,000.00	5,395.17	4,140.12	3,978.77	100.56	22.35	-128.40	-1,873.35	820.43	4,498.92	4,443.37	55.56	80.980	
8,100.00	5,452.42	4,175.43	4,011.80	102.07	22.61	-128.96	-1,869.71	832.37	4,589.90	4,533.94	55.96	82.014	
8,200.00	5,509.68	4,201.00	4,035.73	103.57	22.79	-129.36	-1,867.04	840.97	4,680.99	4,624.75	56.24	83.235	
8,300.00	5,566.93	4,232.52	4,065.21	105.08	23.02	-129.84	-1,863.74	851.63	4,772.22	4,715.62	56.60	84.311	
8,400.00	5,624.18	4,257.06	4,088.13	106.58	23.20	-130.21	-1,861.20	860.04	4,863.63	4,806.75	56.87	85.516	
8,500.00	5,681.43	4,295.00	4,123.49	108.08	23.48	-130.75	-1,857.31	873.22	4,955.22	4,897.88	57.34	86.415	
8,600.00	5,738.68	4,295.00	4,123.49	109.59	23.48	-130.75	-1,857.31	873.22	5,046.93	4,989.66	57.27	88.123	
8,700.00	5,795.93	4,329.69	4,155.76	111.09	23.74	-131.23	-1,853.78	885.45	5,138.77	5,081.07	57.71	89.047	
8,800.00	5,853.19	4,353.55	4,177.92	112.60	23.92	-131.55	-1,851.37	893.96	5,230.78	5,172.79	57.99	90.197	
8,900.00	5,910.44	4,388.00	4,209.87	114.10	24.18	-132.00	-1,847.90	906.37	5,322.93	5,264.50	58.44	91.090	
9,000.00	5,967.69	4,406.47	4,226.98	115.60	24.32	-132.24	-1,846.05	913.07	5,415.18	5,356.53	58.65	92.327	
9,100.00	6,024.94	4,440.62	4,258.61	117.11	24.59	-132.66	-1,842.64	925.48	5,507.50	5,448.40	59.10	93.186	
9,200.00	6,082.19	4,474.80	4,290.27	118.61	24.85	-133.08	-1,839.26	937.93	5,599.88	5,540.33	59.56	94.027	
9,300.00	6,139.45	4,511.65	4,324.39	120.12	25.13	-133.51	-1,835.62	951.35	5,692.31	5,632.26	60.05	94.790	
9,400.00	6,196.70	4,549.26	4,359.23	121.62	25.42	-133.94	-1,831.89	965.00	5,784.76	5,724.20	60.56	95.520	
9,500.00	6,253.95	4,576.00	4,384.02	123.13	25.62	-134.24	-1,829.22	974.67	5,877.25	5,816.34	60.91	96.485	
9,600.00	6,311.20	4,576.00	4,384.02	124.63	25.62	-134.24	-1,829.22	974.67	5,969.93	5,909.05	60.88	98.061	
9,700.00	6,368.45	4,608.89	4,414.49	126.13	25.88	-134.60	-1,825.82	986.59	6,062.63	6,001.30	61.33	98.857	
9,800.00	6,425.71	4,622.83	4,427.38	127.64	25.99	-134.75	-1,824.31	991.68	6,155.55	6,094.05	61.50	100.087	
9,900.00	6,482.96	4,679.94	4,540.45	129.14	26.28	-151.12	-1,706.00	1,371.79	6,242.46	6,158.59	83.87	74.434	
10,000.00	6,540.21	4,689.39	4,611.89	130.65	26.42	-151.53	-1,706.47	1,370.73	6,319.71	6,235.30	84.41	74.865	
10,100.00	6,597.46	6,918.00	6,660.50	132.15	26.52	-151.80	-1,706.87	1,369.94	6,396.94	6,312.12	84.83	75.413	
10,200.00	6,654.71	6,950.02	6,692.51	133.66	26.59	-151.98	-1,707.07	1,369.48	6,474.46	6,389.33	85.14	76.047	
10,300.00	6,711.97	6,972.75	6,715.24	135.16	26.63	-152.10	-1,707.11	1,369.26	6,552.41	6,467.02	85.39	76.736	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 96-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,769.19	7,012.00	6,754.49	136.67	36.72	-154.23	-1,706.97	1,369.08	6,630.85	6,545.10	85.75	77.332		
10,500.00	6,824.05	7,071.02	6,813.51	138.22	36.85	-172.75	-1,706.77	1,368.92	6,713.22	6,626.99	86.23	77.851		
10,600.00	6,873.81	7,218.30	6,960.78	139.81	37.16	166.18	-1,707.65	1,367.63	6,799.24	6,711.98	87.26	77.920		
10,700.00	6,916.95	7,299.07	7,041.53	141.38	37.32	144.60	-1,708.57	1,366.29	6,886.61	6,798.80	87.80	78.432		
10,800.00	6,952.17	7,331.00	7,073.45	142.87	37.39	125.04	-1,709.00	1,365.73	6,973.11	6,885.13	87.98	79.255		
10,900.00	6,978.39	7,357.41	7,099.85	144.24	37.44	109.88	-1,709.37	1,365.30	7,056.46	6,968.38	88.08	80.113		
11,000.00	6,994.82	7,374.43	7,116.87	145.43	37.48	99.16	-1,709.62	1,365.03	7,134.37	7,046.28	88.09	80.986		
11,100.00	7,000.96	7,381.63	7,124.07	146.41	37.49	92.06	-1,709.73	1,364.93	7,204.76	7,116.71	88.05	81.827		
11,200.00	7,001.00	7,383.02	7,125.46	147.26	37.50	91.60	-1,709.75	1,364.91	7,270.30	7,182.30	88.00	82.614		
11,300.00	7,001.00	7,387.00	7,129.44	148.14	37.50	91.64	-1,709.81	1,364.85	7,336.58	7,248.58	88.01	83.365		
11,400.00	7,001.00	7,387.00	7,129.44	149.06	37.50	91.64	-1,709.81	1,364.85	7,403.62	7,315.61	88.01	84.122		
11,500.00	7,001.00	7,387.00	7,129.44	150.00	37.50	91.64	-1,709.81	1,364.85	7,471.40	7,383.36	88.04	84.862		
11,600.00	7,001.00	7,387.00	7,129.44	150.97	37.50	91.64	-1,709.81	1,364.85	7,539.89	7,451.79	88.10	85.584		
11,700.00	7,001.00	7,387.00	7,129.44	151.97	37.50	91.64	-1,709.81	1,364.85	7,609.08	7,520.90	88.18	86.291		
11,800.00	7,001.00	7,391.03	7,133.47	153.00	37.51	91.68	-1,709.87	1,364.79	7,678.95	7,590.64	88.31	86.957		
11,900.00	7,001.00	7,392.33	7,134.78	154.06	37.51	91.70	-1,709.89	1,364.77	7,749.48	7,661.04	88.44	87.625		
12,000.00	7,001.00	7,393.63	7,136.07	155.15	37.52	91.71	-1,709.91	1,364.75	7,820.65	7,732.06	88.59	88.280		
12,100.00	7,001.00	7,394.92	7,137.36	156.27	37.52	91.72	-1,709.93	1,364.74	7,892.44	7,803.69	88.76	88.922		
12,200.00	7,001.00	7,396.19	7,138.63	157.43	37.52	91.74	-1,709.95	1,364.72	7,964.85	7,875.91	88.94	89.552		
12,300.00	7,001.00	7,397.45	7,139.89	158.61	37.53	91.75	-1,709.97	1,364.70	8,037.84	7,948.70	89.14	90.171		
12,400.00	7,001.00	7,398.70	7,141.14	159.82	37.53	91.76	-1,709.99	1,364.68	8,111.42	8,022.06	89.35	90.779		
12,500.00	7,001.00	7,399.93	7,142.37	161.07	37.53	91.77	-1,710.01	1,364.67	8,185.55	8,095.97	89.58	91.377		
12,600.00	7,001.00	7,401.16	7,143.60	162.34	37.53	91.79	-1,710.03	1,364.65	8,260.22	8,170.41	89.82	91.967		
12,700.00	7,001.00	7,402.37	7,144.81	163.64	37.54	91.80	-1,710.05	1,364.63	8,335.43	8,245.37	90.07	92.548		
12,800.00	7,001.00	7,403.57	7,146.01	164.98	37.54	91.81	-1,710.06	1,364.62	8,411.16	8,320.83	90.32	93.122		
12,900.00	7,001.00	7,404.77	7,147.20	166.34	37.54	91.83	-1,710.08	1,364.60	8,487.38	8,396.79	90.59	93.688		
13,000.00	7,001.00	7,405.95	7,148.38	167.74	37.54	91.84	-1,710.10	1,364.58	8,564.10	8,473.23	90.87	94.248		
13,100.00	7,001.00	7,407.12	7,149.55	169.16	37.55	91.85	-1,710.12	1,364.57	8,641.29	8,550.14	91.15	94.803		
13,200.00	7,001.00	7,408.28	7,150.71	170.61	37.55	91.86	-1,710.14	1,364.55	8,718.94	8,627.50	91.44	95.352		
13,300.00	7,001.00	4,227.28	4,060.32	172.10	22.98	61.26	-1,864.29	849.85	8,794.60	8,728.64	65.96	133.332		
13,400.00	7,001.00	4,201.00	4,035.73	173.61	22.79	61.04	-1,867.04	840.97	8,867.34	8,801.07	66.27	133.812		
13,500.00	7,001.00	4,183.52	4,019.37	175.15	22.67	60.90	-1,868.87	835.09	8,940.52	8,873.86	66.66	134.114		
13,600.00	7,001.00	4,145.77	3,984.05	176.72	22.39	60.59	-1,872.77	822.34	9,014.09	8,947.21	66.88	134.783		
13,700.00	7,001.00	4,107.57	3,948.33	178.31	22.12	60.28	-1,876.64	809.37	9,088.03	9,020.93	67.10	135.447		
13,800.00	7,001.00	4,085.61	3,927.80	179.94	21.96	60.10	-1,878.83	801.90	9,162.35	9,094.88	67.47	135.806		
13,900.00	7,001.00	4,064.01	3,907.59	181.59	21.80	59.93	-1,880.97	794.57	9,237.07	9,169.23	67.84	136.156		
14,000.00	7,001.00	4,042.53	3,887.49	183.26	21.65	59.76	-1,883.08	787.30	9,312.19	9,243.98	68.22	136.503		
14,100.00	7,001.00	4,014.00	3,860.78	184.97	21.44	59.53	-1,885.85	777.68	9,387.71	9,319.17	68.54	136.968		
14,200.00	7,001.00	4,014.00	3,860.78	186.70	21.44	59.53	-1,885.85	777.68	9,463.61	9,394.50	69.10	136.953		
14,300.00	7,001.00	3,983.56	3,832.25	188.45	21.22	59.28	-1,888.77	767.47	9,539.86	9,470.45	69.41	137.449		
14,400.00	7,001.00	3,965.49	3,815.30	190.23	21.10	59.14	-1,890.50	761.45	9,616.50	9,546.68	69.81	137.743		
14,500.00	7,001.00	3,947.57	3,798.48	192.03	20.97	59.00	-1,892.21	755.50	9,693.50	9,623.28	70.22	138.038		
14,600.00	7,001.00	3,920.00	3,772.59	193.86	20.77	58.78	-1,894.81	746.41	9,770.87	9,700.32	70.55	138.488		
14,700.00	7,001.00	3,920.00	3,772.59	195.71	20.77	58.78	-1,894.81	746.41	9,848.58	9,777.48	71.10	138.519		
14,800.00	7,001.00	3,920.00	3,772.59	197.58	20.77	58.78	-1,894.81	746.41	9,926.68	9,855.04	71.64	138.565		
14,900.00	7,001.00	3,920.00	3,772.59	199.47	20.77	58.78	-1,894.81	746.41	10,005.17	9,933.00	72.17	138.627		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 94-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	124.13	124.11	0.27	0.26	-177.23	-2,127.95	-102.95	2,131.08	2,130.55	0.53	4,053.931		
200.00	199.98	265.68	265.55	0.62	0.76	-19.43	-2,123.19	-105.08	2,126.21	2,124.82	1.39	1,530.256		
300.00	299.84	437.69	437.22	0.97	1.39	-19.65	-2,113.03	-102.28	2,115.40	2,113.02	2.38	889.537		
400.00	399.45	608.32	606.81	1.34	2.04	-20.15	-2,096.89	-92.95	2,097.43	2,094.05	3.38	621.228		
500.00	498.70	792.74	788.90	1.74	2.81	-20.98	-2,072.73	-76.85	2,072.57	2,068.12	4.45	465.471		
600.00	597.47	1,014.53	1,004.55	2.17	3.88	-22.58	-2,033.45	-43.49	2,040.27	2,034.53	5.74	355.289		
700.00	695.62	1,163.48	1,147.61	2.62	4.68	-24.00	-1,999.63	-19.60	2,000.13	1,993.37	6.76	295.913		
800.00	793.06	1,262.95	1,243.02	3.12	5.24	-25.19	-1,975.75	-4.69	1,956.45	1,948.87	7.57	258.332		
900.00	889.64	1,354.36	1,330.46	3.65	5.76	-26.49	-1,953.29	9.59	1,909.70	1,901.33	8.37	228.076		
1,000.00	985.27	1,426.39	1,399.39	4.23	6.18	-27.75	-1,935.61	20.76	1,860.60	1,851.48	9.11	204.158		
1,100.00	1,079.82	1,489.18	1,459.54	4.85	6.54	-29.06	-1,920.81	31.05	1,810.02	1,800.17	9.84	183.901		
1,200.00	1,173.17	1,567.50	1,534.56	5.52	6.99	-30.74	-1,902.73	44.44	1,757.72	1,747.05	10.67	164.709		
1,300.00	1,265.21	1,641.27	1,605.25	6.24	7.42	-32.55	-1,885.80	57.03	1,703.56	1,692.05	11.52	147.941		
1,400.00	1,355.84	1,704.89	1,666.34	7.01	7.79	-34.37	-1,871.43	67.45	1,647.89	1,635.54	12.36	133.377		
1,500.00	1,444.94	1,765.00	1,724.16	7.82	8.13	-36.33	-1,858.46	77.53	1,591.36	1,578.14	13.23	120.301		
1,600.00	1,532.39	1,838.97	1,795.29	8.69	8.56	-38.81	-1,842.71	90.34	1,533.72	1,519.50	14.22	107.857		
1,700.00	1,618.11	1,907.28	1,860.90	9.61	8.95	-41.44	-1,827.94	102.31	1,474.77	1,459.51	15.26	96.673		
1,800.00	1,701.97	1,969.96	1,921.24	10.58	9.31	-44.18	-1,814.58	112.79	1,415.13	1,398.79	16.34	86.589		
1,900.00	1,783.88	2,027.63	1,976.81	11.59	9.63	-47.03	-1,802.53	122.39	1,355.27	1,337.77	17.50	77.445		
2,000.00	1,863.74	2,100.56	2,047.05	12.66	10.05	-50.70	-1,787.23	134.70	1,295.33	1,276.51	18.83	68.795		
2,100.00	1,941.45	2,168.35	2,112.14	13.77	10.44	-54.55	-1,772.19	146.24	1,235.10	1,214.84	20.26	60.950		
2,200.00	2,016.92	2,225.13	2,166.70	14.94	10.77	-58.23	-1,759.52	155.49	1,175.72	1,153.92	21.79	53.948		
2,300.00	2,090.05	2,273.43	2,213.21	16.14	11.05	-61.71	-1,748.89	163.05	1,118.00	1,094.56	23.44	47.705		
2,400.00	2,160.76	2,318.88	2,257.05	17.40	11.30	-65.18	-1,739.17	170.02	1,062.89	1,037.66	25.23	42.133		
2,500.00	2,228.95	2,363.11	2,299.76	18.69	11.55	-68.67	-1,729.88	176.80	1,011.20	984.02	27.18	37.207		
2,600.00	2,294.55	2,404.33	2,339.53	20.03	11.78	-72.03	-1,721.24	183.33	963.93	934.66	29.27	32.931		
2,700.00	2,357.48	2,443.99	2,377.78	21.41	12.01	-75.28	-1,712.92	189.79	922.24	890.76	31.48	29.294		
2,800.00	2,417.66	2,481.62	2,414.04	22.83	12.22	-78.34	-1,705.01	195.94	887.31	853.56	33.75	26.290		
2,900.00	2,475.32	2,516.22	2,447.39	24.29	12.42	-80.86	-1,697.72	201.62	860.49	824.52	35.98	23.919		
3,000.00	2,532.58	2,550.00	2,479.92	25.75	12.61	-83.02	-1,690.56	207.20	843.26	805.22	38.04	22.166		
3,100.00	2,589.83	2,583.21	2,511.88	27.22	12.80	-85.17	-1,683.43	212.74	836.34	796.50	39.84	20.993		
3,115.40	2,598.64	2,588.27	2,516.75	27.45	12.83	-85.49	-1,682.34	213.59	836.22	796.13	40.09	20.860 CC, ES		
3,200.00	2,647.08	2,615.42	2,542.85	28.70	12.99	-87.25	-1,676.45	218.18	840.03	798.75	41.28	20.350		
3,300.00	2,704.33	2,646.07	2,572.32	30.17	13.17	-89.22	-1,669.82	223.44	854.25	811.93	42.32	20.187 SF		
3,400.00	2,761.58	2,676.77	2,601.82	31.65	13.35	-91.19	-1,663.22	228.78	878.52	835.54	42.97	20.444		
3,500.00	2,818.84	2,702.00	2,626.06	33.13	13.49	-92.80	-1,657.84	233.24	912.05	868.81	43.24	21.093		
3,600.00	2,876.09	2,731.68	2,654.51	34.62	13.67	-94.67	-1,651.36	238.65	953.95	910.66	43.28	22.039		
3,700.00	2,933.34	2,755.00	2,676.78	36.10	13.82	-96.14	-1,646.04	243.09	1,003.33	960.27	43.06	23.300		
3,800.00	2,990.59	2,776.80	2,697.52	37.59	13.95	-97.50	-1,640.88	247.38	1,059.22	1,016.53	42.69	24.813		
3,900.00	3,047.84	2,797.91	2,717.53	39.08	14.08	-98.81	-1,635.71	251.67	1,120.69	1,078.46	42.23	26.539		
4,000.00	3,105.10	2,829.12	2,747.08	40.57	14.28	-100.71	-1,627.97	258.06	1,186.77	1,144.92	41.85	28.356		
4,100.00	3,162.35	2,860.47	2,776.78	42.06	14.48	-102.59	-1,620.18	264.42	1,256.61	1,215.14	41.48	30.297		
4,200.00	3,219.60	2,893.33	2,807.92	43.55	14.69	-104.52	-1,612.02	271.01	1,329.62	1,288.49	41.13	32.325		
4,300.00	3,276.85	2,941.28	2,853.48	45.05	14.98	-107.24	-1,600.34	280.32	1,405.10	1,364.12	40.98	34.285		
4,400.00	3,334.10	2,993.24	2,903.08	46.54	15.31	-110.08	-1,588.14	289.87	1,482.46	1,441.55	40.91	36.240		
4,500.00	3,391.35	3,018.55	2,927.27	48.03	15.46	-111.41	-1,582.30	294.51	1,561.66	1,521.07	40.58	38.479		
4,600.00	3,448.61	3,048.58	2,955.97	49.53	15.64	-112.95	-1,575.44	300.07	1,642.54	1,602.19	40.35	40.705		
4,700.00	3,505.86	3,079.03	2,985.07	51.03	15.83	-114.46	-1,568.56	305.79	1,724.88	1,684.72	40.16	42.945		
4,800.00	3,563.11	3,114.10	3,018.61	52.52	16.04	-116.15	-1,560.74	312.44	1,808.42	1,768.36	40.06	45.139		
4,900.00	3,620.36	3,149.93	3,052.90	54.02	16.25	-117.80	-1,552.92	319.28	1,892.96	1,852.95	40.01	47.314		
5,000.00	3,677.61	3,186.73	3,088.14	55.52	16.47	-119.43	-1,545.03	326.34	1,978.34	1,938.34	40.00	49.462		
5,100.00	3,734.87	3,224.24	3,124.09	57.02	16.70	-121.03	-1,537.03	333.46	2,064.45	2,024.42	40.02	51.583		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 94-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,792.12	3,262.08	3,160.38	58.51	16.92	-122.58	-1,528.98	340.54	2,151.18	2,111.10	40.08	53.678		
5,300.00	3,849.37	3,301.24	3,197.96	60.01	17.15	-124.12	-1,520.70	347.80	2,238.45	2,198.28	40.17	55.727		
5,400.00	3,906.62	3,341.17	3,236.32	61.51	17.39	-125.61	-1,512.38	355.16	2,326.18	2,285.89	40.29	57.732		
5,500.00	3,963.87	3,383.29	3,276.80	63.01	17.63	-127.12	-1,503.69	362.84	2,414.30	2,373.83	40.46	59.669		
5,600.00	4,021.13	3,426.74	3,318.62	64.51	17.88	-128.62	-1,494.61	370.42	2,502.72	2,462.07	40.66	61.556		
5,700.00	4,078.38	3,500.08	3,389.33	66.01	18.30	-131.00	-1,479.25	382.34	2,591.34	2,550.17	41.17	62.941		
5,800.00	4,135.63	3,533.92	3,422.10	67.51	18.49	-132.05	-1,472.46	387.33	2,679.67	2,638.38	41.29	64.897		
5,900.00	4,192.88	3,576.79	3,463.59	69.01	18.73	-133.32	-1,463.79	393.75	2,768.40	2,726.88	41.52	66.678		
6,000.00	4,250.13	3,595.61	3,481.78	70.51	18.83	-133.85	-1,459.92	396.67	2,857.66	2,816.14	41.52	68.832		
6,100.00	4,307.39	3,613.94	3,499.47	72.02	18.93	-134.37	-1,456.10	399.59	2,947.39	2,905.87	41.52	70.984		
6,200.00	4,364.64	3,639.00	3,523.60	73.52	19.07	-135.05	-1,450.78	403.72	3,037.58	2,995.97	41.61	73.002		
6,300.00	4,421.89	3,687.03	3,569.87	75.02	19.35	-136.30	-1,440.61	411.61	3,128.02	3,086.07	41.95	74.570		
6,400.00	4,479.14	3,756.01	3,636.52	76.52	19.74	-138.00	-1,426.43	422.34	3,218.25	3,175.74	42.51	75.708		
6,500.00	4,536.39	3,806.94	3,685.82	78.02	20.02	-139.18	-1,416.26	430.08	3,308.45	3,265.55	42.89	77.131		
6,600.00	4,593.64	3,826.00	3,704.29	79.52	20.12	-139.60	-1,412.51	432.96	3,398.76	3,355.80	42.96	79.111		
6,700.00	4,650.90	3,864.93	3,741.99	81.03	20.34	-140.44	-1,404.76	438.83	3,489.24	3,446.00	43.24	80.691		
6,800.00	4,708.15	3,888.14	3,764.43	82.53	20.47	-140.93	-1,400.01	442.34	3,580.05	3,536.68	43.37	82.551		
6,900.00	4,765.40	3,920.00	3,795.21	84.03	20.64	-141.59	-1,393.34	447.16	3,671.13	3,627.54	43.59	84.222		
7,000.00	4,822.65	3,920.00	3,795.21	85.53	20.64	-141.59	-1,393.34	447.16	3,762.45	3,718.96	43.49	86.512		
7,100.00	4,879.90	3,956.53	3,830.45	87.04	20.85	-142.31	-1,385.55	452.76	3,853.95	3,810.18	43.77	88.041		
7,200.00	4,937.16	3,979.04	3,852.15	88.54	20.98	-142.74	-1,380.71	456.30	3,945.70	3,901.78	43.92	89.836		
7,300.00	4,994.41	4,014.00	3,885.82	90.04	21.18	-143.39	-1,373.12	461.91	4,037.68	3,993.48	44.20	91.342		
7,400.00	5,051.66	4,014.00	3,885.82	91.54	21.18	-143.39	-1,373.12	461.91	4,129.82	4,085.69	44.13	93.582		
7,500.00	5,108.91	4,048.04	3,918.55	93.05	21.38	-144.01	-1,365.65	467.49	4,222.12	4,177.70	44.42	95.056		
7,600.00	5,166.16	4,071.71	3,941.30	94.55	21.52	-144.42	-1,360.42	471.42	4,314.59	4,269.99	44.60	96.736		
7,700.00	5,223.42	4,107.00	3,975.19	96.05	21.72	-145.01	-1,352.56	477.35	4,407.25	4,362.33	44.91	98.128		
7,800.00	5,280.67	4,144.73	4,011.43	97.56	21.94	-145.63	-1,344.16	483.66	4,499.95	4,454.70	45.26	99.435		
7,900.00	5,337.92	4,183.31	4,048.56	99.06	22.17	-146.24	-1,335.71	489.84	4,592.46	4,546.85	45.61	100.693		
8,000.00	5,395.17	4,238.55	4,101.73	100.56	22.48	-147.07	-1,323.64	498.72	4,685.02	4,638.88	46.14	101.540		
8,100.00	5,452.42	4,267.41	4,129.51	102.07	22.65	-147.49	-1,317.38	503.39	4,777.66	4,731.26	46.40	102.963		
8,200.00	5,509.68	4,296.62	4,157.63	103.57	22.82	-147.90	-1,311.04	508.17	4,870.39	4,823.72	46.67	104.353		
8,300.00	5,566.93	4,337.40	4,196.86	105.08	23.06	-148.45	-1,302.32	515.01	4,963.16	4,916.09	47.07	105.441		
8,400.00	5,624.18	4,378.81	4,236.73	106.58	23.29	-148.98	-1,293.70	522.20	5,055.94	5,008.46	47.48	106.478		
8,500.00	5,681.43	4,406.11	4,263.01	108.08	23.45	-149.32	-1,288.11	527.05	5,148.75	5,100.99	47.75	107.820		
8,600.00	5,738.68	4,428.49	4,284.53	109.59	23.58	-149.58	-1,283.48	531.05	5,241.67	5,193.69	47.97	109.262		
8,700.00	5,795.93	4,450.58	4,305.77	111.09	23.71	-149.84	-1,278.87	535.00	5,334.70	5,286.51	48.19	110.693		
8,800.00	5,853.19	4,482.00	4,335.96	112.60	23.90	-150.21	-1,272.22	540.65	5,427.87	5,379.35	48.52	111.876		
8,900.00	5,910.44	4,505.92	4,358.93	114.10	24.04	-150.47	-1,267.14	544.96	5,521.09	5,472.33	48.76	113.222		
9,000.00	5,967.69	4,549.38	4,400.68	115.60	24.29	-150.95	-1,257.98	552.79	5,614.32	5,565.10	49.22	114.063		
9,100.00	6,024.94	4,576.00	4,426.27	117.11	24.45	-151.23	-1,252.41	557.60	5,707.54	5,658.03	49.50	115.296		
9,200.00	6,082.19	4,603.12	4,452.32	118.61	24.61	-151.51	-1,246.76	562.56	5,800.83	5,751.03	49.80	116.494		
9,300.00	6,139.45	4,622.33	4,470.76	120.12	24.72	-151.70	-1,242.74	566.16	5,894.23	5,844.23	50.01	117.870		
9,400.00	6,196.70	4,641.32	4,488.98	121.62	24.83	-151.88	-1,238.77	569.80	5,987.75	5,937.53	50.22	119.234		
9,500.00	6,253.95	4,647.43	4,265.49	123.13	32.09	-162.91	-1,048.61	718.85	6,068.54	6,001.69	66.85	90.785		
9,600.00	6,311.20	6,505.91	6,323.97	124.63	32.22	-163.13	-1,048.76	718.37	6,148.90	6,081.52	67.38	91.256		
9,700.00	6,368.45	6,564.30	6,382.35	126.13	32.36	-163.35	-1,048.91	717.88	6,229.29	6,161.37	67.92	91.719		
9,800.00	6,425.71	6,622.01	6,440.06	127.64	32.49	-163.56	-1,049.07	717.40	6,309.71	6,241.26	68.45	92.179		
9,900.00	6,482.96	6,699.31	6,517.36	129.14	32.67	-163.84	-1,049.34	716.67	6,390.10	6,320.96	69.14	92.428		
10,000.00	6,540.21	6,769.75	6,587.79	130.65	32.83	-164.09	-1,049.70	715.77	6,470.32	6,400.55	69.77	92.738		
10,100.00	6,597.46	6,832.67	6,650.70	132.15	32.98	-164.30	-1,050.03	714.87	6,550.53	6,480.18	70.35	93.117		
10,200.00	6,654.71	6,901.92	6,719.95	133.66	33.14	-164.53	-1,050.46	713.81	6,630.69	6,559.71	70.98	93.423		
10,300.00	6,711.97	6,962.46	6,780.48	135.16	33.28	-164.73	-1,050.89	712.84	6,710.81	6,639.27	71.54	93.807		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 94-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,769.19	7,023.21	6,841.21	136.67	33.42	-167.10	-1,051.32	711.88	6,790.99	6,718.88	72.10	94.182		
10,500.00	6,824.05	7,098.74	6,916.73	138.22	33.60	172.85	-1,052.04	710.70	6,873.51	6,800.72	72.79	94.427		
10,600.00	6,873.81	7,151.85	6,969.83	139.81	33.72	152.03	-1,052.65	709.88	6,958.08	6,884.79	73.29	94.936		
10,700.00	6,916.95	7,196.59	7,014.56	141.38	33.83	132.80	-1,053.16	709.20	7,042.33	6,968.63	73.70	95.556		
10,800.00	6,952.17	7,229.01	7,046.98	142.87	33.90	117.05	-1,053.53	708.70	7,123.88	7,049.90	73.98	96.297		
10,900.00	6,978.39	7,253.25	7,071.21	144.24	33.96	105.26	-1,053.79	708.34	7,200.53	7,126.36	74.18	97.073		
11,000.00	6,994.82	7,268.91	7,086.87	145.43	34.00	96.96	-1,053.95	708.11	7,270.24	7,195.92	74.32	97.829		
11,100.00	7,000.96	7,275.56	7,093.52	146.41	34.01	91.49	-1,054.01	708.01	7,331.17	7,256.74	74.43	98.501		
11,200.00	7,001.00	7,276.86	7,094.82	147.26	34.01	91.14	-1,054.03	707.99	7,386.69	7,312.13	74.56	99.069		
11,300.00	7,001.00	7,278.13	7,096.09	148.14	34.02	91.15	-1,054.04	707.97	7,443.10	7,368.36	74.74	99.585		
11,400.00	7,001.00	7,279.39	7,097.35	149.06	34.02	91.16	-1,054.05	707.95	7,500.42	7,425.46	74.96	100.056		
11,500.00	7,001.00	7,280.66	7,098.61	150.00	34.02	91.18	-1,054.06	707.93	7,558.63	7,483.41	75.22	100.483		
11,600.00	7,001.00	7,281.92	7,099.88	150.97	34.03	91.19	-1,054.08	707.91	7,617.71	7,542.19	75.52	100.871		
11,700.00	7,001.00	7,283.18	7,101.13	151.97	34.03	91.20	-1,054.09	707.90	7,677.63	7,601.78	75.85	101.222		
11,800.00	7,001.00	7,284.43	7,102.39	153.00	34.03	91.21	-1,054.10	707.88	7,738.38	7,662.17	76.21	101.540		
11,900.00	7,001.00	7,285.69	7,103.65	154.06	34.04	91.22	-1,054.11	707.86	7,799.95	7,723.35	76.60	101.827		
12,000.00	7,001.00	7,293.00	7,110.96	155.15	34.05	91.29	-1,054.19	707.75	7,862.30	7,785.23	77.06	102.023		
12,100.00	7,001.00	7,293.00	7,110.96	156.27	34.05	91.29	-1,054.19	707.75	7,925.42	7,847.93	77.49	102.271		
12,200.00	7,001.00	7,293.00	7,110.96	157.43	34.05	91.29	-1,054.19	707.75	7,989.29	7,911.35	77.95	102.498		
12,300.00	7,001.00	7,293.00	7,110.96	158.61	34.05	91.29	-1,054.19	707.75	8,053.90	7,975.48	78.42	102.705		
12,400.00	7,001.00	7,293.00	7,110.96	159.82	34.05	91.29	-1,054.19	707.75	8,119.23	8,040.32	78.91	102.896		
12,500.00	7,001.00	7,293.00	7,110.96	161.07	34.05	91.29	-1,054.19	707.75	8,185.25	8,105.84	79.41	103.073		
12,600.00	7,001.00	7,293.00	7,110.96	162.34	34.05	91.29	-1,054.19	707.75	8,251.96	8,172.03	79.93	103.237		
12,700.00	7,001.00	7,293.00	7,110.96	163.64	34.05	91.29	-1,054.19	707.75	8,319.34	8,238.88	80.46	103.392		
12,800.00	7,001.00	7,293.00	7,110.96	164.98	34.05	91.29	-1,054.19	707.75	8,387.37	8,306.36	81.01	103.538		
12,900.00	7,001.00	7,293.00	7,110.96	166.34	34.05	91.29	-1,054.19	707.75	8,456.03	8,374.47	81.56	103.678		
13,000.00	7,001.00	7,293.00	7,110.96	167.74	34.05	91.29	-1,054.19	707.75	8,525.32	8,443.20	82.12	103.814		
13,100.00	7,001.00	7,293.00	7,110.96	169.16	34.05	91.29	-1,054.19	707.75	8,595.21	8,512.52	82.69	103.946		
13,200.00	7,001.00	7,293.00	7,110.96	170.61	34.05	91.29	-1,054.19	707.75	8,665.68	8,582.42	83.26	104.077		
13,300.00	7,001.00	7,293.00	7,110.96	172.10	34.05	91.29	-1,054.19	707.75	8,736.74	8,652.90	83.84	104.207		
13,400.00	7,001.00	7,293.00	7,110.96	173.61	34.05	91.29	-1,054.19	707.75	8,808.36	8,723.93	84.42	104.337		
13,500.00	7,001.00	7,293.00	7,110.96	175.15	34.05	91.29	-1,054.19	707.75	8,880.52	8,795.51	85.01	104.468		
13,600.00	7,001.00	7,293.00	7,110.96	176.72	34.05	91.29	-1,054.19	707.75	8,953.22	8,867.63	85.59	104.601		
13,700.00	7,001.00	7,293.00	7,110.96	178.31	34.05	91.29	-1,054.19	707.75	9,026.45	8,940.26	86.18	104.738		
13,800.00	7,001.00	7,293.00	7,110.96	179.94	34.05	91.29	-1,054.19	707.75	9,100.18	9,013.41	86.77	104.877		
13,900.00	7,001.00	7,293.00	7,110.96	181.59	34.05	91.29	-1,054.19	707.75	9,174.41	9,087.05	87.36	105.021		
14,000.00	7,001.00	7,293.00	7,110.96	183.26	34.05	91.29	-1,054.19	707.75	9,249.12	9,161.18	87.94	105.170		
14,100.00	7,001.00	7,293.00	7,110.96	184.97	34.05	91.29	-1,054.19	707.75	9,324.31	9,235.78	88.53	105.323		
14,200.00	7,001.00	7,293.00	7,110.96	186.70	34.05	91.29	-1,054.19	707.75	9,399.97	9,310.85	89.11	105.482		
14,300.00	7,001.00	7,293.00	7,110.96	188.45	34.05	91.29	-1,054.19	707.75	9,476.07	9,386.37	89.70	105.646		
14,400.00	7,001.00	7,293.00	7,110.96	190.23	34.05	91.29	-1,054.19	707.75	9,552.61	9,462.34	90.28	105.816		
14,500.00	7,001.00	7,293.00	7,110.96	192.03	34.05	91.29	-1,054.19	707.75	9,629.59	9,538.74	90.85	105.993		
14,600.00	7,001.00	7,293.00	7,110.96	193.86	34.05	91.29	-1,054.19	707.75	9,706.98	9,615.56	91.42	106.175		
14,700.00	7,001.00	7,293.00	7,110.96	195.71	34.05	91.29	-1,054.19	707.75	9,784.78	9,692.79	91.99	106.364		
14,800.00	7,001.00	7,293.00	7,110.96	197.58	34.05	91.29	-1,054.19	707.75	9,862.99	9,770.43	92.56	106.560		
14,900.00	7,001.00	7,313.20	7,131.15	199.47	34.10	91.48	-1,054.37	707.47	9,941.55	9,848.29	93.25	106.609		
15,000.00	7,001.00	7,313.95	7,131.90	201.39	34.10	91.49	-1,054.38	707.46	10,020.52	9,926.71	93.81	106.814		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 40-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	59.21	59.21	0.27	0.12	-176.00	-1,721.87	-120.28	1,726.09	1,725.71	0.38	4,485.488		
200.00	199.98	140.19	140.17	0.62	0.41	-18.20	-1,722.67	-121.26	1,725.52	1,724.49	1.02	1,688.017		
300.00	299.84	233.45	233.36	0.97	0.75	-18.16	-1,724.36	-124.73	1,722.60	1,720.88	1.71	1,005.906		
400.00	399.45	351.47	351.32	1.34	1.17	-18.21	-1,726.01	-127.86	1,715.91	1,713.41	2.50	685.922		
500.00	498.70	497.81	497.42	1.74	1.67	-18.71	-1,726.26	-120.80	1,704.27	1,700.91	3.37	505.941		
600.00	597.47	608.09	606.69	2.17	2.07	-19.51	-1,724.29	-106.19	1,686.86	1,682.72	4.14	407.426		
700.00	695.62	1,185.32	1,158.13	2.62	4.94	-25.84	-1,629.08	17.61	1,647.32	1,640.20	7.12	231.246		
800.00	793.06	1,252.17	1,221.50	3.12	5.29	-26.96	-1,609.34	25.67	1,599.07	1,591.29	7.78	205.545		
900.00	889.64	1,313.68	1,279.88	3.65	5.63	-28.19	-1,591.93	34.07	1,549.48	1,541.03	8.45	183.351		
1,000.00	985.27	1,423.17	1,383.30	4.23	6.28	-30.37	-1,561.08	52.52	1,497.91	1,488.55	9.36	159.989		
1,100.00	1,079.82	1,607.68	1,554.68	4.85	7.46	-34.34	-1,499.47	81.53	1,439.37	1,428.80	10.57	136.227		
1,200.00	1,173.17	1,695.24	1,635.71	5.52	8.01	-36.90	-1,467.38	89.96	1,376.88	1,365.50	11.38	120.960		
1,300.00	1,265.21	1,763.44	1,699.02	6.24	8.42	-39.31	-1,442.35	94.02	1,312.53	1,300.37	12.16	107.928		
1,400.00	1,355.84	1,831.16	1,762.20	7.01	8.81	-41.94	-1,418.02	95.71	1,246.99	1,234.03	12.96	96.219		
1,500.00	1,444.84	1,900.09	1,826.55	7.82	9.21	-44.95	-1,393.34	96.44	1,180.13	1,166.33	13.81	85.484		
1,600.00	1,532.39	1,960.00	1,882.57	8.69	9.55	-48.09	-1,372.11	96.40	1,112.40	1,097.69	14.70	75.653		
1,700.00	1,618.11	2,018.16	1,937.10	9.61	9.88	-51.55	-1,351.90	95.79	1,044.34	1,028.66	15.68	66.597		
1,800.00	1,701.97	2,070.73	1,986.58	10.58	10.17	-55.19	-1,334.16	94.95	976.59	959.82	16.76	58.256		
1,900.00	1,783.88	2,123.29	2,036.24	11.59	10.46	-59.20	-1,316.98	93.82	909.66	891.68	17.98	50.603		
2,000.00	1,863.74	2,175.30	2,085.56	12.66	10.74	-63.54	-1,300.55	92.27	844.13	824.79	19.35	43.634		
2,100.00	1,941.45	2,226.09	2,133.88	13.77	11.01	-68.18	-1,284.97	90.54	780.81	759.91	20.91	37.347		
2,200.00	2,016.92	2,275.19	2,180.71	14.94	11.27	-73.01	-1,270.32	88.84	720.84	698.15	22.69	31.763		
2,300.00	2,090.05	2,322.46	2,225.92	16.14	11.52	-77.92	-1,256.64	87.17	665.72	641.00	24.72	26.929		
2,400.00	2,160.76	2,368.89	2,270.46	17.40	11.76	-82.89	-1,243.62	85.50	617.35	590.39	26.96	22.899		
2,500.00	2,228.95	2,415.43	2,315.18	18.69	12.00	-87.90	-1,230.85	83.79	577.90	548.59	29.32	19.712		
2,600.00	2,294.55	2,459.79	2,357.84	20.03	12.23	-92.63	-1,218.82	82.14	549.95	518.34	31.61	17.396		
2,700.00	2,357.48	2,501.61	2,398.10	21.41	12.44	-96.95	-1,207.59	80.57	536.01	502.43	33.58	15.961		
2,738.72	2,381.11	2,517.07	2,412.99	21.96	12.52	-98.49	-1,203.46	79.99	534.80	500.59	34.20	15.635 CC, ES		
2,800.00	2,417.66	2,540.54	2,435.59	22.83	12.64	-100.75	-1,197.23	79.11	537.87	502.90	34.97	15.381 SF		
2,900.00	2,475.32	2,576.42	2,470.18	24.29	12.83	-104.15	-1,187.76	77.79	555.94	520.29	35.65	15.594		
3,000.00	2,532.58	2,611.66	2,504.18	25.75	13.01	-107.60	-1,178.56	76.56	588.53	552.83	35.71	16.482		
3,100.00	2,589.83	2,646.99	2,538.28	27.22	13.19	-110.99	-1,169.43	75.41	633.31	597.97	35.34	17.922		
3,200.00	2,647.08	2,680.00	2,570.14	28.70	13.36	-114.08	-1,160.82	74.41	687.94	653.21	34.74	19.805		
3,300.00	2,704.33	2,713.12	2,602.04	30.17	13.53	-117.09	-1,151.99	73.50	750.37	716.32	34.06	22.033		
3,400.00	2,761.58	2,745.30	2,633.00	31.65	13.70	-119.91	-1,143.23	72.68	818.89	785.50	33.39	24.527		
3,500.00	2,818.84	2,777.67	2,664.10	33.13	13.88	-122.65	-1,134.31	71.91	892.10	859.32	32.78	27.215		
3,600.00	2,876.09	2,810.41	2,695.55	34.62	14.06	-125.30	-1,125.22	71.19	968.93	936.68	32.26	30.037		
3,700.00	2,933.34	2,843.84	2,727.64	36.10	14.24	-127.88	-1,115.90	70.48	1,048.60	1,016.77	31.83	32.945		
3,800.00	2,990.59	2,881.35	2,763.68	37.59	14.44	-130.63	-1,105.50	69.70	1,130.41	1,098.89	31.51	35.870		
3,900.00	3,047.84	2,919.44	2,800.30	39.08	14.65	-133.24	-1,095.07	68.90	1,213.86	1,182.58	31.28	38.801		
4,000.00	3,105.10	2,955.54	2,835.05	40.57	14.85	-135.56	-1,085.31	68.17	1,298.65	1,267.54	31.11	41.742		
4,100.00	3,162.35	2,991.70	2,869.88	42.06	15.04	-137.74	-1,075.64	67.53	1,384.55	1,353.55	31.00	44.662		
4,200.00	3,219.60	3,027.30	2,904.21	43.55	15.23	-139.75	-1,066.20	66.97	1,471.36	1,440.42	30.94	47.554		
4,300.00	3,276.85	3,061.72	2,937.39	45.05	15.42	-141.57	-1,057.08	66.46	1,558.96	1,528.04	30.92	50.424		
4,400.00	3,334.10	3,094.94	2,969.41	46.54	15.60	-143.24	-1,048.23	65.96	1,647.23	1,616.31	30.92	53.272		
4,500.00	3,391.35	3,126.54	2,999.85	48.03	15.77	-144.73	-1,039.75	65.48	1,736.12	1,705.17	30.95	56.103		
4,600.00	3,448.61	3,154.83	3,027.09	49.53	15.93	-146.00	-1,032.11	65.14	1,825.58	1,794.61	30.97	58.947		
4,700.00	3,505.86	3,182.74	3,053.94	51.03	16.08	-147.18	-1,024.52	64.91	1,915.58	1,884.56	31.02	61.758		
4,800.00	3,563.11	3,220.23	3,090.01	52.52	16.29	-148.68	-1,014.31	64.74	2,006.01	1,974.83	31.18	64.336		
4,900.00	3,620.36	3,286.62	3,154.05	54.02	16.65	-151.10	-996.80	64.21	2,096.43	2,064.79	31.64	66.255		
5,000.00	3,677.61	3,325.33	3,191.46	55.52	16.86	-152.39	-986.88	63.78	2,186.80	2,154.94	31.86	68.636		
5,100.00	3,734.87	3,354.78	3,219.93	57.02	17.01	-153.32	-979.33	63.48	2,277.42	2,245.41	32.01	71.152		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 40-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,792.12	3,384.06	3,248.22	58.51	17.17	-154.19	-971.76	63.24	2,368.35	2,336.18	32.17	73.625		
5,300.00	3,849.37	3,414.44	3,277.54	60.01	17.34	-155.06	-963.84	63.03	2,459.55	2,427.20	32.35	76.025		
5,400.00	3,906.62	3,446.25	3,308.23	61.51	17.51	-155.92	-955.47	62.79	2,550.98	2,518.42	32.56	78.342		
5,500.00	3,963.87	3,477.73	3,338.59	63.01	17.68	-156.74	-947.12	62.52	2,642.60	2,609.82	32.78	80.617		
5,600.00	4,021.13	3,513.31	3,372.87	64.51	17.88	-157.62	-937.63	62.18	2,734.38	2,701.33	33.05	82.739		
5,700.00	4,078.38	3,550.25	3,408.47	66.01	18.08	-158.49	-927.76	61.78	2,826.26	2,792.92	33.34	84.770		
5,800.00	4,135.63	3,589.20	3,446.00	67.51	18.30	-159.36	-917.39	61.33	2,918.22	2,884.56	33.66	86.694		
5,900.00	4,192.88	3,631.37	3,486.68	69.01	18.53	-160.24	-906.26	60.89	3,010.22	2,976.20	34.02	88.473		
6,000.00	4,250.13	3,673.75	3,527.61	70.51	18.76	-161.06	-895.26	60.60	3,102.22	3,067.82	34.40	90.185		
6,100.00	4,307.39	3,711.12	3,563.73	72.02	18.96	-161.74	-885.70	60.48	3,194.25	3,159.52	34.73	91.974		
6,200.00	4,364.64	3,747.70	3,599.12	73.52	19.16	-162.36	-876.45	60.55	3,286.35	3,251.29	35.06	93.731		
6,300.00	4,421.89	3,777.41	3,627.88	75.02	19.32	-162.84	-868.98	60.73	3,378.53	3,343.20	35.33	95.629		
6,400.00	4,479.14	3,800.00	3,649.73	76.52	19.44	-163.19	-863.27	60.94	3,470.86	3,435.33	35.53	97.690		
6,500.00	4,536.39	3,826.79	3,675.63	78.02	19.59	-163.59	-856.44	61.24	3,563.36	3,527.58	35.78	99.596		
6,600.00	4,593.64	3,840.00	3,688.40	79.52	19.66	-163.78	-853.04	61.42	3,656.05	3,620.16	35.89	101.867		
6,700.00	4,650.90	3,865.81	3,713.32	81.03	19.80	-164.15	-846.31	61.81	3,748.90	3,712.76	36.14	103.738		
6,800.00	4,708.15	3,880.00	3,726.99	82.53	19.88	-164.35	-842.53	62.04	3,841.98	3,805.71	36.27	105.930		
6,900.00	4,765.40	3,895.61	3,742.02	84.03	19.97	-164.56	-838.30	62.30	3,935.26	3,898.84	36.42	108.055		
7,000.00	4,822.65	3,920.00	3,765.42	85.53	20.11	-164.89	-831.47	62.71	4,028.80	3,992.14	36.66	109.884		
7,100.00	4,879.90	3,920.00	3,765.42	87.04	20.11	-164.89	-831.47	62.71	4,122.46	4,085.80	36.66	112.457		
7,200.00	4,937.16	3,933.36	3,778.22	88.54	20.19	-165.07	-827.63	62.93	4,216.35	4,179.56	36.80	114.588		
7,300.00	4,994.41	3,945.70	3,790.02	90.04	20.26	-165.23	-824.01	63.14	4,310.43	4,273.50	36.93	116.731		
7,400.00	5,051.66	3,960.00	3,803.66	91.54	20.35	-165.42	-819.75	63.39	4,404.68	4,367.60	37.08	118.789		
7,500.00	5,108.91	3,975.00	3,817.95	93.05	20.44	-165.61	-815.21	63.64	4,499.08	4,461.83	37.25	120.797		
7,600.00	5,166.16	4,000.00	3,841.75	94.55	20.59	-165.93	-807.56	64.03	4,593.60	4,556.08	37.52	122.439		
7,700.00	5,223.42	4,011.35	3,852.54	96.05	20.66	-166.07	-804.05	64.20	4,688.21	4,650.56	37.65	124.518		
7,800.00	5,280.67	4,029.04	3,869.35	97.56	20.77	-166.29	-798.53	64.45	4,782.94	4,745.08	37.85	126.354		
7,900.00	5,337.92	4,047.19	3,886.57	99.06	20.88	-166.51	-792.81	64.69	4,877.76	4,839.70	38.06	128.147		
8,000.00	5,395.17	4,066.32	3,904.71	100.56	21.00	-166.74	-786.73	64.91	4,972.68	4,934.39	38.29	129.878		
8,100.00	5,452.42	4,080.00	3,917.67	102.07	21.09	-166.91	-782.34	65.06	5,067.69	5,029.23	38.46	131.776		
8,200.00	5,509.68	4,104.59	3,940.93	103.57	21.24	-167.19	-774.39	65.28	5,162.76	5,124.02	38.74	133.258		
8,300.00	5,566.93	4,126.35	3,961.50	105.08	21.38	-167.44	-767.28	65.44	5,257.92	5,218.92	39.00	134.812		
8,400.00	5,624.18	4,345.04	4,169.12	106.58	22.72	-169.68	-698.63	64.98	5,352.87	5,311.56	41.31	129.591		
8,500.00	5,681.43	4,374.09	4,196.89	108.08	22.89	-169.93	-690.12	65.00	5,446.99	5,405.35	41.64	130.800		
8,600.00	5,738.68	4,400.00	4,221.67	109.59	23.05	-170.15	-682.56	65.16	5,541.17	5,499.21	41.95	132.084		
8,700.00	5,795.93	4,431.09	4,251.42	111.09	23.23	-170.39	-673.53	65.48	5,635.38	5,593.06	42.32	133.174		
8,800.00	5,853.19	4,476.11	4,294.51	112.60	23.50	-170.73	-660.50	66.00	5,729.58	5,686.75	42.83	133.783		
8,900.00	5,910.44	4,524.47	4,340.82	114.10	23.78	-171.08	-646.59	66.41	5,823.70	5,780.33	43.38	134.264		
9,000.00	5,967.69	6,118.51	5,905.44	115.60	30.54	-176.89	-392.62	36.88	5,917.29	5,858.48	58.81	100.609		
9,100.00	6,024.94	6,188.47	5,975.40	117.11	30.71	-176.95	-392.20	36.65	5,999.48	5,939.97	59.51	100.820		
9,200.00	6,082.19	6,274.35	6,061.28	118.61	30.92	-177.02	-391.91	36.18	6,081.49	6,021.16	60.33	100.805		
9,300.00	6,139.45	6,339.15	6,126.08	120.12	31.07	-177.07	-391.89	35.74	6,163.29	6,102.32	60.97	101.085		
9,400.00	6,196.70	6,397.79	6,184.72	121.62	31.21	-177.12	-391.89	35.33	6,245.08	6,183.52	61.56	101.443		
9,500.00	6,253.95	6,481.09	6,268.01	123.13	31.41	-177.18	-392.04	34.62	6,326.75	6,264.39	62.36	101.458		
9,600.00	6,311.20	6,530.64	6,317.56	124.63	31.53	-177.22	-392.17	34.13	6,408.33	6,345.46	62.87	101.922		
9,700.00	6,368.45	6,578.35	6,365.27	126.13	31.64	-177.25	-392.22	33.64	6,490.00	6,426.62	63.38	102.401		
9,800.00	6,425.71	6,625.60	6,412.52	127.64	31.76	-177.29	-392.19	33.15	6,571.76	6,507.88	63.88	102.878		
9,900.00	6,482.96	6,673.18	6,460.10	129.14	31.88	-177.32	-392.08	32.68	6,653.60	6,589.22	64.39	103.341		
10,000.00	6,540.21	6,724.84	6,511.76	130.65	32.00	-177.36	-391.92	32.22	6,735.52	6,670.59	64.93	103.740		
10,100.00	6,597.46	6,775.42	6,562.34	132.15	32.13	-177.39	-391.77	31.87	6,817.48	6,752.02	65.46	104.145		
10,200.00	6,654.71	6,821.95	6,608.86	133.66	32.25	-177.42	-391.63	31.72	6,899.52	6,833.56	65.96	104.596		
10,300.00	6,711.97	6,871.06	6,657.97	135.16	32.38	-177.45	-391.49	31.74	6,981.65	6,915.15	66.49	105.002		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 40-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,769.19	6,927.09	6,714.00	136.67	32.52	-179.88	-391.33	31.84	7,063.82	6,996.74	67.08	105.308		
10,500.00	6,824.05	6,986.80	6,773.71	138.22	32.67	159.11	-391.16	31.93	7,147.04	7,079.34	67.70	105.562		
10,600.00	6,873.81	7,045.29	6,832.20	139.81	32.82	139.44	-391.03	31.95	7,230.12	7,161.80	68.32	105.830		
10,700.00	6,916.95	7,084.84	6,871.75	141.38	32.92	122.87	-390.95	31.92	7,310.76	7,242.00	68.76	106.328		
10,800.00	6,952.17	7,116.53	6,903.44	142.87	33.01	110.07	-390.86	31.90	7,386.77	7,317.66	69.12	106.871		
10,900.00	6,978.39	7,139.40	6,926.31	144.24	33.07	100.72	-390.79	31.89	7,456.14	7,386.73	69.41	107.419		
11,000.00	6,994.82	7,153.73	6,940.64	145.43	33.10	94.23	-390.74	31.88	7,517.06	7,447.39	69.67	107.901		
11,100.00	7,000.96	7,160.00	6,946.91	146.41	33.12	90.07	-390.72	31.88	7,567.94	7,498.03	69.92	108.239		
11,200.00	7,001.00	7,160.00	6,946.91	147.26	33.12	89.80	-390.72	31.88	7,612.86	7,542.66	70.20	108.448		
11,300.00	7,001.00	7,160.00	6,946.91	148.14	33.12	89.80	-390.72	31.88	7,658.77	7,588.23	70.54	108.578		
11,400.00	7,001.00	7,160.00	6,946.91	149.06	33.12	89.80	-390.72	31.88	7,705.71	7,634.78	70.93	108.640		
11,500.00	7,001.00	7,160.00	6,946.91	150.00	33.12	89.80	-390.72	31.88	7,753.65	7,682.28	71.37	108.640		
11,600.00	7,001.00	7,160.00	6,946.91	150.97	33.12	89.80	-390.72	31.88	7,802.58	7,730.72	71.86	108.584		
11,700.00	7,001.00	7,160.00	6,946.91	151.97	33.12	89.80	-390.72	31.88	7,852.47	7,780.09	72.39	108.479		
11,800.00	7,001.00	7,160.00	6,946.91	153.00	33.12	89.80	-390.72	31.88	7,903.32	7,830.36	72.96	108.331		
11,900.00	7,001.00	7,160.00	6,946.91	154.06	33.12	89.80	-390.72	31.88	7,955.10	7,881.54	73.56	108.145		
12,000.00	7,001.00	7,160.00	6,946.91	155.15	33.12	89.80	-390.72	31.88	8,007.79	7,933.60	74.20	107.928		
12,100.00	7,001.00	7,160.00	6,946.91	156.27	33.12	89.80	-390.72	31.88	8,061.38	7,986.52	74.86	107.685		
12,200.00	7,001.00	7,160.00	6,946.91	157.43	33.12	89.80	-390.72	31.88	8,115.85	8,040.30	75.55	107.420		
12,300.00	7,001.00	7,160.00	6,946.91	158.61	33.12	89.80	-390.72	31.88	8,171.18	8,094.91	76.27	107.140		
12,400.00	7,001.00	7,160.00	6,946.91	159.82	33.12	89.80	-390.72	31.88	8,227.35	8,150.35	77.00	106.847		
12,500.00	7,001.00	7,160.00	6,946.91	161.07	33.12	89.80	-390.72	31.88	8,284.35	8,206.60	77.75	106.546		
12,600.00	7,001.00	7,160.00	6,946.91	162.34	33.12	89.80	-390.72	31.88	8,342.16	8,263.64	78.52	106.241		
12,700.00	7,001.00	7,160.00	6,946.91	163.64	33.12	89.80	-390.72	31.88	8,400.76	8,321.46	79.30	105.934		
12,800.00	7,001.00	7,160.00	6,946.91	164.98	33.12	89.80	-390.72	31.88	8,460.13	8,380.04	80.09	105.628		
12,900.00	7,001.00	7,160.00	6,946.91	166.34	33.12	89.80	-390.72	31.88	8,520.27	8,439.38	80.89	105.326		
13,000.00	7,001.00	7,160.00	6,946.91	167.74	33.12	89.80	-390.72	31.88	8,581.15	8,499.45	81.70	105.029		
13,100.00	7,001.00	7,160.00	6,946.91	169.16	33.12	89.80	-390.72	31.88	8,642.76	8,560.24	82.52	104.740		
13,200.00	7,001.00	7,160.00	6,946.91	170.61	33.12	89.80	-390.72	31.88	8,705.08	8,621.75	83.33	104.459		
13,300.00	7,001.00	7,160.00	6,946.91	172.10	33.12	89.80	-390.72	31.88	8,768.10	8,683.94	84.16	104.190		
13,400.00	7,001.00	7,160.00	6,946.91	173.61	33.12	89.80	-390.72	31.88	8,831.87	8,746.82	84.98	103.931		
13,500.00	7,001.00	7,160.00	6,946.91	175.15	33.12	89.80	-390.72	31.88	8,896.17	8,810.37	85.80	103.685		
13,600.00	7,001.00	7,160.00	6,946.91	176.72	33.12	89.80	-390.72	31.88	8,961.19	8,874.57	86.62	103.452		
13,700.00	7,001.00	7,160.00	6,946.91	178.31	33.12	89.80	-390.72	31.88	9,026.86	8,939.41	87.44	103.232		
13,800.00	7,001.00	7,160.00	6,946.91	179.94	33.12	89.80	-390.72	31.88	9,093.14	9,004.88	88.26	103.027		
13,900.00	7,001.00	7,160.00	6,946.91	181.59	33.12	89.80	-390.72	31.88	9,160.04	9,070.97	89.07	102.836		
14,000.00	7,001.00	7,160.00	6,946.91	183.26	33.12	89.80	-390.72	31.88	9,227.54	9,137.66	89.88	102.660		
14,100.00	7,001.00	7,160.00	6,946.91	184.97	33.12	89.80	-390.72	31.88	9,295.63	9,204.94	90.69	102.498		
14,200.00	7,001.00	7,160.00	6,946.91	186.70	33.12	89.80	-390.72	31.88	9,364.28	9,272.79	91.49	102.352		
14,300.00	7,001.00	7,160.00	6,946.91	188.45	33.12	89.80	-390.72	31.88	9,433.50	9,341.22	92.29	102.220		
14,400.00	7,001.00	7,160.00	6,946.91	190.23	33.12	89.80	-390.72	31.88	9,503.27	9,410.19	93.07	102.104		
14,500.00	7,001.00	7,160.00	6,946.91	192.03	33.12	89.80	-390.72	31.88	9,573.57	9,479.71	93.86	102.002		
14,600.00	7,001.00	7,160.00	6,946.91	193.86	33.12	89.80	-390.72	31.88	9,644.40	9,549.76	94.63	101.914		
14,700.00	7,001.00	7,160.00	6,946.91	195.71	33.12	89.80	-390.72	31.88	9,715.74	9,620.33	95.40	101.841		
14,800.00	7,001.00	7,160.00	6,946.91	197.58	33.12	89.80	-390.72	31.88	9,787.58	9,691.42	96.16	101.783		
14,900.00	7,001.00	7,160.00	6,946.91	199.47	33.12	89.80	-390.72	31.88	9,859.91	9,762.99	96.91	101.738		
15,000.00	7,001.00	7,160.00	6,946.91	201.39	33.12	89.80	-390.72	31.88	9,932.72	9,835.06	97.66	101.707		
15,100.00	7,001.00	7,160.00	6,946.91	203.32	33.12	89.80	-390.72	31.88	10,006.00	9,907.61	98.40	101.690		
15,200.00	7,001.00	7,160.00	6,946.91	205.28	33.12	89.80	-390.72	31.88	10,079.74	9,980.62	99.13	101.686		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 440-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	67.18	67.18	0.27	0.12	-176.07	-1,747.25	-120.10	1,751.37	1,750.99	0.39	4,543.461		
200.00	199.98	164.53	164.53	0.62	0.29	-18.30	-1,747.42	-120.11	1,749.89	1,748.99	0.90	1,939.807		
300.00	299.84	261.77	261.77	0.97	0.45	-18.38	-1,747.74	-120.13	1,745.25	1,743.83	1.43	1,223.756		
400.00	399.45	358.81	358.81	1.34	0.62	-18.52	-1,748.21	-120.16	1,737.46	1,735.50	1.96	887.100		
500.00	498.70	455.84	455.84	1.74	0.82	-18.72	-1,748.82	-120.20	1,726.53	1,724.00	2.53	683.373		
600.00	597.47	554.76	554.76	2.17	1.18	-18.98	-1,749.49	-120.31	1,712.39	1,709.13	3.26	525.623		
700.00	695.62	653.48	653.47	2.62	1.53	-19.30	-1,750.16	-120.49	1,695.00	1,691.01	4.00	424.229		
800.00	793.06	757.09	757.08	3.12	1.90	-19.71	-1,750.68	-120.64	1,674.25	1,669.49	4.76	351.919		
900.00	889.64	885.06	885.01	3.65	2.34	-20.38	-1,750.33	-118.10	1,649.56	1,643.96	5.60	294.745		
1,000.00	985.27	1,046.78	1,046.35	4.23	2.89	-21.57	-1,744.79	-108.75	1,618.56	1,612.00	6.56	246.897		
1,100.00	1,079.82	1,206.29	1,204.73	4.85	3.47	-23.19	-1,732.92	-94.08	1,580.94	1,573.41	7.53	210.073		
1,200.00	1,173.17	1,362.35	1,358.34	5.52	4.08	-25.37	-1,714.85	-73.55	1,537.01	1,528.49	8.52	180.497		
1,300.00	1,265.21	1,506.89	1,498.98	6.24	4.72	-28.04	-1,691.43	-49.85	1,486.55	1,477.04	9.51	156.309		
1,400.00	1,355.84	1,602.83	1,591.41	7.01	5.18	-30.46	-1,673.45	-31.58	1,432.21	1,421.82	10.40	137.767		
1,500.00	1,444.84	1,689.52	1,674.17	7.82	5.63	-33.19	-1,656.31	-12.30	1,375.56	1,364.23	11.32	121.491		
1,600.00	1,532.39	1,791.72	1,770.86	8.69	6.20	-36.86	-1,634.13	12.28	1,316.32	1,303.93	12.39	106.247		
1,700.00	1,618.11	1,870.10	1,844.33	9.61	6.67	-40.41	-1,615.65	32.42	1,255.16	1,241.69	13.46	93.218		
1,800.00	1,701.97	1,930.18	1,900.31	10.58	7.04	-43.74	-1,601.11	48.66	1,193.48	1,178.90	14.58	81.872		
1,900.00	1,783.88	1,983.17	1,949.59	11.59	7.38	-47.12	-1,588.34	63.36	1,132.24	1,116.46	15.78	71.745		
2,000.00	1,863.74	2,032.22	1,995.34	12.66	7.70	-50.55	-1,576.82	76.79	1,072.20	1,055.10	17.10	62.708		
2,100.00	1,941.45	2,089.68	2,048.99	13.77	8.07	-54.67	-1,563.42	92.38	1,013.80	995.18	18.61	54.471		
2,200.00	2,016.92	2,146.97	2,102.27	14.94	8.45	-59.07	-1,549.50	108.21	957.42	937.11	20.31	47.142		
2,300.00	2,090.05	2,196.64	2,148.19	16.14	8.79	-63.24	-1,536.89	122.33	904.25	882.09	22.16	40.804		
2,400.00	2,160.76	2,239.93	2,187.96	17.40	9.09	-67.12	-1,525.48	135.02	855.77	831.61	24.16	35.424		
2,500.00	2,228.95	2,278.97	2,223.73	18.69	9.37	-70.70	-1,514.94	146.61	813.53	787.26	26.27	30.970		
2,600.00	2,294.55	2,314.09	2,255.88	20.03	9.63	-73.93	-1,505.35	156.98	779.12	750.71	28.41	27.421		
2,700.00	2,357.48	2,342.44	2,281.83	21.41	9.83	-76.52	-1,497.57	165.34	754.20	723.75	30.45	24.765		
2,800.00	2,417.66	2,367.12	2,304.44	22.83	10.01	-78.64	-1,490.87	172.61	740.23	707.95	32.28	22.931		
2,865.42	2,455.79	2,381.80	2,317.90	23.78	10.12	-79.77	-1,486.93	176.95	737.56	704.26	33.30	22.147 CC, ES		
2,900.00	2,475.32	2,388.99	2,324.50	24.29	10.17	-80.34	-1,485.01	179.07	738.24	704.47	33.77	21.860		
3,000.00	2,532.58	2,411.64	2,345.29	25.75	10.34	-82.05	-1,479.03	185.77	748.93	714.07	34.86	21.484 SF		
3,100.00	2,589.83	2,435.15	2,366.87	27.22	10.51	-83.82	-1,472.83	192.72	771.82	736.28	35.53	21.721		
3,200.00	2,647.08	2,459.71	2,389.43	28.70	10.69	-85.66	-1,466.32	199.97	805.84	770.00	35.85	22.481		
3,300.00	2,704.33	2,483.62	2,411.34	30.17	10.87	-87.45	-1,459.84	206.98	849.67	813.82	35.86	23.694		
3,400.00	2,761.58	2,506.46	2,432.26	31.65	11.04	-89.14	-1,453.53	213.65	901.92	866.25	35.66	25.290		
3,500.00	2,818.84	2,527.73	2,451.71	33.13	11.19	-90.70	-1,447.55	219.84	961.23	925.91	35.33	27.209		
3,600.00	2,876.09	2,547.83	2,470.09	34.62	11.34	-92.17	-1,441.93	225.74	1,026.45	991.52	34.93	29.390		
3,700.00	2,933.34	2,568.18	2,488.69	36.10	11.50	-93.63	-1,436.31	231.76	1,096.50	1,061.99	34.52	31.767		
3,800.00	2,990.59	2,588.74	2,507.49	37.59	11.65	-95.09	-1,430.70	237.92	1,170.53	1,136.40	34.13	34.298		
3,900.00	3,047.84	2,607.98	2,525.07	39.08	11.80	-96.44	-1,425.50	243.73	1,247.81	1,214.06	33.76	36.966		
4,000.00	3,105.10	2,625.09	2,540.69	40.57	11.93	-97.62	-1,420.88	248.97	1,327.83	1,294.44	33.39	39.764		
4,100.00	3,162.35	2,640.00	2,554.28	42.06	12.04	-98.63	-1,416.84	253.59	1,410.14	1,377.10	33.04	42.676		
4,200.00	3,219.60	2,656.37	2,569.17	43.55	12.17	-99.73	-1,412.38	258.72	1,494.38	1,461.63	32.76	45.622		
4,300.00	3,276.85	2,670.58	2,582.07	45.05	12.28	-100.67	-1,408.48	263.24	1,580.26	1,547.78	32.48	48.653		
4,400.00	3,334.10	2,680.00	2,590.61	46.54	12.35	-101.29	-1,405.88	266.25	1,667.55	1,635.37	32.18	51.821		
4,500.00	3,391.35	2,698.80	2,607.61	48.03	12.50	-102.50	-1,400.65	272.34	1,756.01	1,723.97	32.04	54.809		
4,600.00	3,448.61	2,712.56	2,620.03	49.53	12.61	-103.37	-1,396.79	276.84	1,845.50	1,813.64	31.86	57.919		
4,700.00	3,505.86	2,726.91	2,632.96	51.03	12.73	-104.27	-1,392.74	281.56	1,935.88	1,904.15	31.73	61.018		
4,800.00	3,563.11	2,742.13	2,646.66	52.52	12.85	-105.21	-1,388.41	286.59	2,027.01	1,995.39	31.63	64.091		
4,900.00	3,620.36	2,760.00	2,662.72	54.02	12.99	-106.30	-1,383.30	292.52	2,118.81	2,087.22	31.59	67.079		
5,000.00	3,677.61	2,771.53	2,673.07	55.52	13.09	-106.98	-1,379.98	296.35	2,211.19	2,179.70	31.49	70.227		
5,100.00	3,734.87	2,785.73	2,685.81	57.02	13.20	-107.82	-1,375.86	301.09	2,304.08	2,272.64	31.44	73.283		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 440-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,792.12	2,800.00	2,698.60	58.51	13.32	-108.64	-1,371.71	305.87	2,397.44	2,366.02	31.41	76.316		
5,300.00	3,849.37	2,814.71	2,711.77	60.01	13.44	-109.48	-1,367.40	310.80	2,491.20	2,459.79	31.41	79.309		
5,400.00	3,906.62	2,829.61	2,725.10	61.51	13.56	-110.31	-1,363.01	315.80	2,585.32	2,553.90	31.43	82.268		
5,500.00	3,963.87	2,844.23	2,738.18	63.01	13.69	-111.12	-1,358.69	320.72	2,679.77	2,648.32	31.45	85.205		
5,600.00	4,021.13	2,858.53	2,750.96	64.51	13.81	-111.89	-1,354.45	325.54	2,774.51	2,743.02	31.48	88.122		
5,700.00	4,078.38	2,872.60	2,763.52	66.01	13.92	-112.64	-1,350.26	330.28	2,869.52	2,837.99	31.53	91.015		
5,800.00	4,135.63	2,985.94	2,865.46	67.51	14.85	-118.21	-1,317.27	367.22	2,964.60	2,931.79	32.81	90.349		
5,900.00	4,192.88	3,036.74	2,911.67	69.01	15.25	-120.47	-1,303.01	382.77	3,059.26	3,025.95	33.32	91.828		
6,000.00	4,250.13	3,066.80	2,939.09	70.51	15.48	-121.75	-1,294.53	391.70	3,154.03	3,120.46	33.57	93.956		
6,100.00	4,307.39	3,088.57	2,958.97	72.02	15.65	-122.65	-1,288.36	398.08	3,248.92	3,215.19	33.73	96.318		
6,200.00	4,364.64	3,103.59	2,972.68	73.52	15.77	-123.25	-1,284.09	402.49	3,344.00	3,310.18	33.82	98.872		
6,300.00	4,421.89	3,120.00	2,987.64	75.02	15.90	-123.90	-1,279.41	407.35	3,439.27	3,405.33	33.94	101.345		
6,400.00	4,479.14	3,132.71	2,999.21	76.52	16.00	-124.39	-1,275.78	411.14	3,534.71	3,500.69	34.02	103.915		
6,500.00	4,536.39	3,146.79	3,012.03	78.02	16.11	-124.92	-1,271.75	415.36	3,630.31	3,596.20	34.12	106.405		
6,600.00	4,593.64	3,160.00	3,024.04	79.52	16.22	-125.42	-1,267.95	419.34	3,726.07	3,691.85	34.22	108.895		
6,700.00	4,650.90	3,177.07	3,039.54	81.03	16.35	-126.04	-1,263.05	424.53	3,821.96	3,787.59	34.37	111.205		
6,800.00	4,708.15	3,193.24	3,054.22	82.53	16.48	-126.61	-1,258.42	429.48	3,917.97	3,883.46	34.52	113.512		
6,900.00	4,765.40	3,210.66	3,070.02	84.03	16.62	-127.22	-1,253.43	434.85	4,014.09	3,979.41	34.68	115.732		
7,000.00	4,822.65	3,229.06	3,086.70	85.53	16.77	-127.84	-1,248.18	440.57	4,110.31	4,075.44	34.87	117.874		
7,100.00	4,879.90	3,252.09	3,107.58	87.04	16.95	-128.59	-1,241.65	447.78	4,206.60	4,171.48	35.12	119.787		
7,200.00	4,937.16	3,274.32	3,128.15	88.54	17.09	-129.20	-1,236.41	454.44	4,302.09	4,264.65	35.44	121.901		
7,300.00	4,994.41	3,296.63	3,148.15	90.04	17.21	-129.80	-1,231.17	461.10	4,397.56	4,359.79	35.77	124.015		
7,400.00	5,051.66	3,318.94	3,168.15	91.54	17.33	-130.40	-1,225.93	467.76	4,493.08	4,455.05	36.10	126.129		
7,500.00	5,108.91	3,341.25	3,188.15	93.04	17.45	-131.00	-1,220.69	474.42	4,588.67	4,550.37	36.43	128.243		
7,600.00	5,166.16	3,363.56	3,208.15	94.54	17.57	-131.60	-1,215.45	481.08	4,684.31	4,645.69	36.76	130.357		
7,700.00	5,223.42	3,385.87	3,228.15	96.04	17.69	-132.20	-1,210.21	487.74	4,779.92	4,740.50	37.09	132.471		
7,800.00	5,280.67	3,408.18	3,248.15	97.54	17.81	-132.80	-1,204.97	494.40	4,875.56	4,835.16	37.42	134.585		
7,900.00	5,337.92	3,430.49	3,268.15	99.04	17.93	-133.40	-1,199.73	501.06	4,971.18	4,928.52	37.75	136.699		
8,000.00	5,395.17	3,452.80	3,288.15	100.54	18.05	-134.00	-1,194.49	507.72	5,066.80	5,023.07	38.08	138.813		
8,100.00	5,452.42	3,475.11	3,308.15	102.04	18.17	-134.60	-1,189.25	514.38	5,162.42	5,117.72	38.41	140.927		
8,200.00	5,509.68	3,497.42	3,328.15	103.54	18.29	-135.20	-1,184.01	521.04	5,258.04	5,212.60	38.74	143.041		
8,300.00	5,566.93	3,519.73	3,348.15	105.04	18.41	-135.80	-1,178.77	527.70	5,353.66	5,307.54	39.07	145.155		
8,400.00	5,624.18	3,542.04	3,368.15	106.54	18.53	-136.40	-1,173.53	534.36	5,449.28	5,402.78	39.40	147.269		
8,500.00	5,681.43	3,564.35	3,388.15	108.04	18.65	-137.00	-1,168.29	541.02	5,544.90	5,498.18	39.73	149.383		
8,600.00	5,738.68	3,586.66	3,408.15	109.54	18.77	-137.60	-1,163.05	547.68	5,640.52	5,593.45	40.06	151.497		
8,700.00	5,795.93	3,608.97	3,428.15	111.04	18.89	-138.20	-1,157.81	554.34	5,736.14	5,688.96	40.39	153.611		
8,800.00	5,853.19	3,631.28	3,448.15	112.54	19.01	-138.80	-1,152.57	561.00	5,831.76	5,784.49	40.72	155.725		
8,900.00	5,910.44	3,653.59	3,468.15	114.04	19.13	-139.40	-1,147.33	567.66	5,927.38	5,880.29	41.05	157.839		
9,000.00	5,967.69	3,675.90	3,488.15	115.54	19.25	-140.00	-1,142.09	574.32	6,023.00	5,976.21	41.38	159.953		
9,100.00	6,024.94	3,698.21	3,508.15	117.04	19.37	-140.60	-1,136.85	580.98	6,118.62	6,072.27	41.71	162.067		
9,200.00	6,082.19	3,720.52	3,528.15	118.54	19.49	-141.20	-1,131.61	587.64	6,214.24	6,168.45	42.04	164.181		
9,300.00	6,139.45	3,742.83	3,548.15	120.04	19.61	-141.80	-1,126.37	594.30	6,309.86	6,264.33	42.37	166.295		
9,400.00	6,196.70	3,765.14	3,568.15	121.54	19.73	-142.40	-1,121.13	600.96	6,405.48	6,360.47	42.70	168.409		
9,500.00	6,253.95	3,787.45	3,588.15	123.04	19.85	-143.00	-1,115.89	607.62	6,501.10	6,456.83	43.03	170.523		
9,600.00	6,311.20	3,809.76	3,608.15	124.54	19.97	-143.60	-1,110.65	614.28	6,596.72	6,553.28	43.36	172.637		
9,700.00	6,368.45	3,832.07	3,628.15	126.04	20.09	-144.20	-1,105.41	620.94	6,692.34	6,649.84	43.69	174.751		
9,800.00	6,425.71	3,854.38	3,648.15	127.54	20.21	-144.80	-1,100.17	627.60	6,787.96	6,746.49	44.02	176.865		
9,900.00	6,482.96	3,876.69	3,668.15	129.04	20.33	-145.40	-1,094.93	634.26	6,883.58	6,843.23	44.35	178.979		
10,000.00	6,540.21	3,899.00	3,688.15	130.54	20.45	-146.00	-1,089.69	640.92	6,979.20	6,940.06	44.68	181.093		
10,100.00	6,597.46	3,921.31	3,708.15	132.04	20.57	-146.60	-1,084.45	647.58	7,074.82	7,036.97	45.01	183.207		
10,200.00	6,654.71	3,943.62	3,728.15	133.54	20.69	-147.20	-1,079.21	654.24	7,170.44	7,133.56	45.34	185.321		
10,300.00	6,711.97	3,965.93	3,748.15	135.04	20.81	-147.80	-1,073.97	660.90	7,266.06	7,230.52	45.67	187.435		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 440-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,400.00	6,769.19	4,000.00	3,795.35	136.67	22.70	-147.71	-1,070.57	684.89	7,372.63	7,327.45	45.18	163.181	
10,500.00	6,824.05	4,000.00	3,795.35	138.22	22.70	155.42	-1,070.57	684.89	7,471.04	7,425.77	45.26	165.055	
10,600.00	6,873.81	4,000.00	3,795.35	139.81	22.70	104.15	-1,070.57	684.89	7,569.28	7,523.94	45.34	166.957	
10,700.00	6,916.95	4,000.00	3,795.35	141.38	22.70	83.64	-1,070.57	684.89	7,664.44	7,619.05	45.38	168.889	
10,800.00	6,952.17	4,000.00	3,795.35	142.87	22.70	73.60	-1,070.57	684.89	7,753.78	7,708.38	45.40	170.798	
10,900.00	6,978.39	4,000.00	3,795.35	144.24	22.70	67.81	-1,070.57	684.89	7,834.84	7,789.44	45.40	172.571	
11,000.00	6,994.82	3,981.41	3,778.78	145.43	22.54	64.23	-1,074.63	677.50	7,905.30	7,860.11	45.19	174.932	
11,100.00	7,000.96	3,960.00	3,759.57	146.41	22.36	62.31	-1,079.14	669.18	7,963.61	7,918.59	45.01	176.919	
11,200.00	7,001.00	3,960.00	3,759.57	147.26	22.36	62.23	-1,079.14	669.18	8,014.28	7,969.09	45.19	177.338	
11,300.00	7,001.00	3,960.00	3,759.57	148.14	22.36	62.23	-1,079.14	669.18	8,065.83	8,020.39	45.44	177.500	
11,400.00	7,001.00	3,960.00	3,759.57	149.06	22.36	62.23	-1,079.14	669.18	8,118.27	8,072.52	45.75	177.447	
11,500.00	7,001.00	3,960.00	3,759.57	150.00	22.36	62.23	-1,079.14	669.18	8,171.61	8,125.49	46.12	177.200	
11,600.00	7,001.00	3,960.00	3,759.57	150.97	22.36	62.23	-1,079.14	669.18	8,225.81	8,179.28	46.53	176.780	
11,700.00	7,001.00	3,940.03	3,741.54	151.97	22.19	62.08	-1,083.17	661.61	8,280.72	8,233.94	46.77	177.042	
11,800.00	7,001.00	3,920.00	3,723.34	153.00	22.03	61.93	-1,087.05	654.21	8,336.59	8,289.52	47.06	177.134	
11,900.00	7,001.00	3,920.00	3,723.34	154.06	22.03	61.93	-1,087.05	654.21	8,393.12	8,345.51	47.61	176.275	
12,000.00	7,001.00	3,920.00	3,723.34	155.15	22.03	61.93	-1,087.05	654.21	8,450.46	8,402.27	48.20	175.330	
12,100.00	7,001.00	3,920.00	3,723.34	156.27	22.03	61.93	-1,087.05	654.21	8,508.59	8,459.78	48.81	174.318	
12,200.00	7,001.00	3,920.00	3,723.34	157.43	22.03	61.93	-1,087.05	654.21	8,567.50	8,518.05	49.45	173.254	
12,300.00	7,001.00	3,903.53	3,708.29	158.61	21.90	61.81	-1,090.18	648.28	8,627.07	8,577.12	49.95	172.706	
12,400.00	7,001.00	3,897.06	3,702.36	159.82	21.85	61.76	-1,091.40	646.01	8,687.39	8,636.82	50.58	171.771	
12,500.00	7,001.00	3,880.00	3,686.67	161.07	21.72	61.63	-1,094.63	640.13	8,748.45	8,697.33	51.12	171.139	
12,600.00	7,001.00	3,880.00	3,686.67	162.34	21.72	61.63	-1,094.63	640.13	8,810.13	8,758.29	51.84	169.953	
12,700.00	7,001.00	3,880.00	3,686.67	163.64	21.72	61.63	-1,094.63	640.13	8,872.51	8,819.94	52.57	168.774	
12,800.00	7,001.00	3,880.00	3,686.67	164.98	21.72	61.63	-1,094.63	640.13	8,935.57	8,882.26	53.31	167.610	
12,900.00	7,001.00	3,880.00	3,686.67	166.34	21.72	61.63	-1,094.63	640.13	8,999.30	8,945.24	54.06	166.467	
13,000.00	7,001.00	3,861.38	3,669.46	167.74	21.58	61.49	-1,098.13	633.94	9,063.58	9,008.92	54.66	165.825	
13,100.00	7,001.00	3,840.00	3,649.61	169.16	21.42	61.33	-1,102.14	627.10	9,128.61	9,073.37	55.24	165.250	
13,200.00	7,001.00	3,840.00	3,649.61	170.61	21.42	61.33	-1,102.14	627.10	9,194.13	9,138.12	56.01	164.157	
13,300.00	7,001.00	3,840.00	3,649.61	172.10	21.42	61.33	-1,102.14	627.10	9,260.26	9,203.48	56.78	163.100	
13,400.00	7,001.00	3,520.00	3,353.25	173.61	19.03	58.93	-1,172.47	529.12	9,326.48	9,271.39	55.09	169.283	
13,500.00	7,001.00	3,175.30	3,037.94	175.15	16.34	56.37	-1,263.56	423.99	9,392.29	9,338.86	53.42	175.804	
13,600.00	7,001.00	3,160.00	3,024.04	176.72	16.22	56.26	-1,267.95	419.34	9,458.03	9,403.90	54.13	174.717	
13,700.00	7,001.00	3,146.73	3,011.98	178.31	16.11	56.16	-1,271.76	415.34	9,524.33	9,469.48	54.85	173.631	
13,800.00	7,001.00	3,134.40	3,000.75	179.94	16.01	56.07	-1,275.30	411.64	9,591.17	9,535.60	55.58	172.577	
13,900.00	7,001.00	2,800.00	2,698.60	181.59	13.32	53.64	-1,371.71	305.87	9,658.06	9,603.86	54.20	178.202	
14,000.00	7,001.00	2,776.06	2,677.14	183.26	13.12	53.47	-1,378.67	297.86	9,724.86	9,670.01	54.85	177.292	
14,100.00	7,001.00	2,760.00	2,662.72	184.97	12.99	53.36	-1,383.30	292.52	9,792.20	9,736.65	55.55	176.273	
14,200.00	7,001.00	2,760.00	2,662.72	186.70	12.99	53.36	-1,383.30	292.52	9,860.06	9,803.71	56.34	174.999	
14,300.00	7,001.00	2,735.59	2,640.77	188.45	12.80	53.19	-1,390.27	284.43	9,928.39	9,871.41	56.98	174.251	
14,400.00	7,001.00	2,720.00	2,626.73	190.23	12.67	53.08	-1,394.69	279.28	9,997.22	9,939.56	57.66	173.387	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 93-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	99.24	99.24	0.27	0.15	-178.09	-2,128.75	-71.05	2,130.11	2,129.70	0.42	5,097.909		
200.00	199.98	180.00	179.99	0.62	0.45	-20.34	-2,127.96	-70.65	2,127.51	2,126.44	1.07	1,992.807		
300.00	299.84	270.00	269.99	0.97	0.77	-20.43	-2,127.68	-70.23	2,122.29	2,120.55	1.74	1,219.973		
400.00	399.45	362.00	361.99	1.34	1.09	-20.58	-2,127.92	-69.46	2,114.37	2,111.94	2.43	871.239		
500.00	498.70	453.00	452.98	1.74	1.41	-20.78	-2,128.55	-68.94	2,103.62	2,100.51	3.11	675.535		
600.00	597.47	550.24	550.22	2.17	1.75	-21.04	-2,129.50	-68.62	2,089.95	2,086.12	3.83	545.534		
700.00	695.62	649.20	649.16	2.62	2.10	-21.38	-2,130.44	-67.53	2,073.03	2,068.46	4.57	453.729		
800.00	793.06	764.95	764.87	3.12	2.51	-21.89	-2,130.94	-64.65	2,052.41	2,047.03	5.38	381.487		
900.00	889.64	854.18	854.01	3.65	2.84	-22.45	-2,130.96	-60.44	2,028.31	2,022.21	6.11	332.137		
1,000.00	985.27	923.00	922.75	4.23	3.09	-22.98	-2,131.76	-57.29	2,002.25	1,995.48	6.77	295.571		
1,100.00	1,079.82	1,003.43	1,003.02	4.85	3.38	-23.66	-2,133.50	-52.65	1,974.20	1,966.69	7.50	263.138		
1,200.00	1,173.17	1,081.72	1,080.99	5.52	3.67	-24.48	-2,135.66	-45.84	1,943.87	1,935.62	8.25	235.708		
1,300.00	1,265.21	1,163.09	1,161.80	6.24	3.98	-25.46	-2,138.42	-36.81	1,911.45	1,902.42	9.03	211.638		
1,400.00	1,355.84	1,244.79	1,242.65	7.01	4.31	-26.63	-2,141.42	-25.44	1,876.81	1,866.96	9.85	190.477		
1,500.00	1,444.94	1,320.57	1,317.34	7.82	4.61	-27.90	-2,144.42	-13.02	1,840.19	1,829.50	10.69	172.111		
1,600.00	1,532.39	1,391.00	1,386.52	8.69	4.91	-29.26	-2,147.72	-0.23	1,802.09	1,790.53	11.55	155.983		
1,700.00	1,618.11	1,467.84	1,461.82	9.61	5.25	-30.86	-2,151.67	14.58	1,762.48	1,749.98	12.49	141.071		
1,800.00	1,701.97	1,562.95	1,554.90	10.58	5.68	-32.96	-2,156.23	33.57	1,720.91	1,707.34	13.57	126.814		
1,900.00	1,783.88	1,674.75	1,664.28	11.59	6.19	-35.64	-2,159.86	56.42	1,676.65	1,661.86	14.79	113.390		
2,000.00	1,863.74	1,755.73	1,743.59	12.66	6.56	-37.96	-2,161.54	72.66	1,630.19	1,614.26	15.93	102.334		
2,100.00	1,941.45	1,830.85	1,817.17	13.77	6.91	-40.37	-2,162.84	87.74	1,582.52	1,565.40	17.12	92.418		
2,200.00	2,016.92	1,894.44	1,879.33	14.94	7.21	-42.73	-2,163.81	101.16	1,534.23	1,515.88	18.35	83.620		
2,300.00	2,090.05	1,954.00	1,937.66	16.14	7.49	-45.12	-2,165.29	113.08	1,486.04	1,466.40	19.64	75.670		
2,400.00	2,160.76	2,031.13	2,013.30	17.40	7.86	-48.20	-2,167.25	128.06	1,437.78	1,416.66	21.11	68.107		
2,500.00	2,228.95	2,104.53	2,085.34	18.69	8.20	-51.41	-2,168.58	142.04	1,389.39	1,366.72	22.67	61.280		
2,600.00	2,294.55	2,166.42	2,146.23	20.03	8.48	-54.41	-2,169.61	153.04	1,341.51	1,317.22	24.29	55.225		
2,700.00	2,357.48	2,213.44	2,192.49	21.41	8.70	-57.00	-2,170.69	161.41	1,295.34	1,269.39	25.95	49.908		
2,800.00	2,417.66	2,267.37	2,245.52	22.83	8.95	-59.95	-2,172.29	171.11	1,251.49	1,223.72	27.78	45.056		
2,900.00	2,475.32	2,326.86	2,304.07	24.29	9.22	-62.84	-2,174.05	181.43	1,210.20	1,180.46	29.75	40.683		
3,000.00	2,532.58	2,376.56	2,353.03	25.75	9.45	-64.95	-2,175.58	189.88	1,173.27	1,141.53	31.74	36.962		
3,100.00	2,589.83	2,426.57	2,402.27	27.22	9.68	-67.10	-2,177.28	198.44	1,141.59	1,107.79	33.79	33.782		
3,200.00	2,647.08	2,478.22	2,453.11	28.70	9.92	-69.36	-2,179.08	207.41	1,115.53	1,079.65	35.88	31.093		
3,300.00	2,704.33	2,529.10	2,503.16	30.17	10.16	-71.62	-2,180.86	216.38	1,095.48	1,057.54	37.94	28.872		
3,400.00	2,761.58	2,579.54	2,552.78	31.65	10.39	-73.86	-2,182.97	225.19	1,081.82	1,041.87	39.95	27.079		
3,500.00	2,818.84	2,632.85	2,605.23	33.13	10.64	-76.24	-2,185.68	234.32	1,074.71	1,032.82	41.89	25.654		
3,560.13	2,853.26	2,666.33	2,638.17	34.03	10.80	-77.73	-2,187.48	240.00	1,073.54	1,030.53	43.02	24.957 CC		
3,600.00	2,876.09	2,688.61	2,660.10	34.62	10.90	-78.72	-2,188.70	243.77	1,074.05	1,030.32	43.74	24.558 ES		
3,700.00	2,933.34	2,734.86	2,705.59	36.10	11.12	-80.78	-2,191.21	251.72	1,080.00	1,034.66	45.35	23.817		
3,800.00	2,990.59	2,776.50	2,746.46	37.59	11.32	-82.63	-2,193.29	259.45	1,092.95	1,046.21	46.74	23.386		
3,900.00	3,047.84	2,835.61	2,804.37	39.08	11.60	-85.26	-2,195.89	270.97	1,112.55	1,064.42	48.13	23.114		
4,000.00	3,105.10	2,906.42	2,873.96	40.57	11.94	-88.37	-2,198.46	283.79	1,137.24	1,087.75	49.49	22.981 SF		
4,100.00	3,162.35	2,961.52	2,928.17	42.06	12.20	-90.73	-2,200.71	293.37	1,167.21	1,116.70	50.51	23.108		
4,200.00	3,219.60	3,018.50	2,984.24	43.55	12.46	-93.12	-2,203.53	303.14	1,202.23	1,150.81	51.42	23.382		
4,300.00	3,276.85	3,076.65	3,041.47	45.05	12.73	-95.49	-2,206.69	312.98	1,241.76	1,189.55	52.21	23.782		
4,400.00	3,334.10	3,127.60	3,091.62	46.54	12.97	-97.53	-2,209.23	321.59	1,285.51	1,232.69	52.82	24.339		
4,500.00	3,391.35	3,177.30	3,140.55	48.03	13.20	-99.49	-2,211.01	330.12	1,333.30	1,280.00	53.30	25.013		
4,600.00	3,448.61	3,236.25	3,198.59	49.53	13.48	-101.75	-2,212.98	340.19	1,384.56	1,330.74	53.82	25.724		
4,700.00	3,505.86	3,306.22	3,267.56	51.03	13.80	-104.33	-2,215.53	351.74	1,438.62	1,384.21	54.42	26.438		
4,800.00	3,563.11	3,374.57	3,335.10	52.52	14.10	-106.77	-2,217.70	361.99	1,494.69	1,439.75	54.93	27.209		
4,900.00	3,620.36	3,420.16	3,380.16	54.02	14.31	-108.34	-2,219.08	368.82	1,553.30	1,498.15	55.16	28.162		
5,000.00	3,677.61	3,470.46	3,429.82	55.52	14.53	-110.02	-2,220.65	376.64	1,614.44	1,559.03	55.41	29.135		
5,100.00	3,734.87	3,535.88	3,494.37	57.02	14.83	-112.09	-2,223.48	386.87	1,677.39	1,621.54	55.85	30.035		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 93-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,792.12	3,592.14	3,549.85	58.51	15.08	-113.78	-2,226.53	395.68	1,741.83	1,685.65	56.18	31.005		
5,300.00	3,849.37	3,646.61	3,603.56	60.01	15.33	-115.35	-2,229.59	404.28	1,807.83	1,751.34	56.49	32.003		
5,400.00	3,906.62	3,700.84	3,657.05	61.51	15.58	-116.86	-2,232.32	412.75	1,875.22	1,818.43	56.79	33.021		
5,500.00	3,963.87	3,752.44	3,708.00	63.01	15.81	-118.25	-2,234.43	420.61	1,943.90	1,886.86	57.05	34.075		
5,600.00	4,021.13	3,800.92	3,755.87	64.51	16.03	-119.52	-2,236.22	428.06	2,013.86	1,956.60	57.27	35.165		
5,700.00	4,078.38	3,827.00	3,781.62	66.01	16.15	-120.19	-2,237.15	432.11	2,085.14	2,027.93	57.22	36.442		
5,800.00	4,135.63	3,874.92	3,828.86	67.51	16.37	-121.37	-2,238.80	439.98	2,157.65	2,100.20	57.45	37.556		
5,900.00	4,192.88	3,921.00	3,874.16	69.01	16.58	-122.45	-2,240.34	448.28	2,231.65	2,173.98	57.68	38.691		
6,000.00	4,250.13	3,950.28	3,902.91	70.51	16.73	-123.11	-2,241.31	453.78	2,306.67	2,248.97	57.70	39.976		
6,100.00	4,307.39	4,002.54	3,954.20	72.02	16.98	-124.26	-2,243.02	463.61	2,382.48	2,324.44	58.04	41.050		
6,200.00	4,364.64	4,057.74	4,008.40	73.52	17.24	-125.42	-2,244.77	473.93	2,458.87	2,400.45	58.42	42.086		
6,300.00	4,421.89	4,115.24	4,064.90	75.02	17.52	-126.59	-2,246.42	484.47	2,535.74	2,476.89	58.85	43.090		
6,400.00	4,479.14	4,186.93	4,135.37	76.52	17.86	-127.96	-2,248.81	497.43	2,612.85	2,553.38	59.47	43.937		
6,500.00	4,536.39	4,248.07	4,195.47	78.02	18.15	-129.07	-2,251.26	508.38	2,690.12	2,630.15	59.97	44.859		
6,600.00	4,593.64	4,296.00	4,242.59	79.52	18.38	-129.90	-2,253.24	516.91	2,767.73	2,707.42	60.30	45.896		
6,700.00	4,650.90	4,346.03	4,291.77	81.03	18.62	-130.74	-2,255.26	525.90	2,845.80	2,785.12	60.68	46.899		
6,800.00	4,708.15	4,390.00	4,334.96	82.53	18.83	-131.44	-2,256.95	533.96	2,924.45	2,863.46	60.99	47.953		
6,900.00	4,765.40	4,434.57	4,378.73	84.03	19.04	-132.14	-2,258.52	542.21	3,003.58	2,942.27	61.31	48.994		
7,000.00	4,822.65	4,483.00	4,426.31	85.53	19.27	-132.87	-2,260.01	551.12	3,083.13	3,021.44	61.68	49.984		
7,100.00	4,879.90	4,526.02	4,468.58	87.04	19.48	-133.51	-2,261.20	559.05	3,163.07	3,101.07	61.99	51.022		
7,200.00	4,937.16	4,577.00	4,518.65	88.54	19.72	-134.23	-2,262.53	568.55	3,243.40	3,180.98	62.42	51.962		
7,300.00	4,994.41	4,629.76	4,570.47	90.04	19.98	-134.95	-2,263.88	578.36	3,323.99	3,261.11	62.87	52.868		
7,400.00	5,051.66	4,722.19	4,661.33	91.54	20.42	-136.16	-2,266.46	595.10	3,404.59	3,340.74	63.85	53.323		
7,500.00	5,108.91	4,790.66	4,728.70	93.05	20.74	-136.99	-2,269.12	607.03	3,484.62	3,420.10	64.52	54.006		
7,600.00	5,166.16	4,826.32	4,763.76	94.55	20.91	-137.41	-2,270.51	613.40	3,565.05	3,500.27	64.78	55.030		
7,700.00	5,223.42	4,864.91	4,801.67	96.05	21.10	-137.85	-2,271.93	620.49	3,645.93	3,580.84	65.09	56.014		
7,800.00	5,280.67	4,934.06	4,869.61	97.56	21.43	-138.61	-2,274.45	633.11	3,726.95	3,661.15	65.80	56.640		
7,900.00	5,337.92	4,995.92	4,930.45	99.06	21.72	-139.26	-2,276.67	644.06	3,807.93	3,741.52	66.41	57.337		
8,000.00	5,395.17	5,057.71	4,991.30	100.56	22.01	-139.90	-2,278.65	654.63	3,888.98	3,821.96	67.02	58.026		
8,100.00	5,452.42	5,133.14	5,065.69	102.07	22.35	-140.66	-2,280.88	666.91	3,969.95	3,902.16	67.79	58.562		
8,200.00	5,509.68	5,275.81	5,206.90	103.57	22.97	-142.06	-2,284.67	686.81	4,050.25	3,980.94	69.31	58.438		
8,300.00	5,566.93	5,379.00	5,309.44	105.08	23.39	-143.05	-2,286.79	698.14	4,129.84	4,059.54	70.29	58.752		
8,400.00	5,624.18	5,476.17	5,406.22	106.58	23.75	-143.97	-2,288.31	706.80	4,208.98	4,137.82	71.16	59.144		
8,500.00	5,681.43	5,572.88	5,502.69	108.08	24.10	-144.87	-2,289.24	713.46	4,287.75	4,215.76	71.99	59.562		
8,600.00	5,738.68	5,642.14	5,571.84	109.59	24.34	-145.51	-2,289.63	717.18	4,366.26	4,293.73	72.53	60.201		
8,700.00	5,795.93	5,695.21	5,624.85	111.09	24.52	-145.99	-2,289.81	719.89	4,444.93	4,372.01	72.92	60.958		
8,800.00	5,853.19	5,759.23	5,688.81	112.60	24.73	-146.55	-2,289.69	722.72	4,523.73	4,450.33	73.40	61.635		
8,900.00	5,910.44	5,815.58	5,745.09	114.10	25.46	-148.81	-2,286.95	723.79	4,602.06	4,526.75	75.31	61.109		
9,000.00	5,967.69	5,872.15	5,800.66	115.60	25.60	-149.24	-2,287.22	723.09	4,678.69	4,603.06	75.63	61.861		
9,100.00	6,024.94	5,929.70	5,858.20	117.11	25.74	-149.69	-2,287.45	722.34	4,755.54	4,679.54	76.00	62.576		
9,200.00	6,082.19	5,987.55	5,916.05	118.61	25.90	-150.15	-2,287.69	721.55	4,832.54	4,756.16	76.38	63.268		
9,300.00	6,139.45	6,045.76	5,974.25	120.12	26.07	-150.64	-2,287.98	720.64	4,909.64	4,832.82	76.81	63.917		
9,400.00	6,196.70	6,103.33	6,031.81	121.62	26.21	-151.05	-2,288.27	719.86	4,986.84	4,909.65	77.19	64.609		
9,500.00	6,253.95	6,160.50	6,089.48	123.13	26.36	-151.45	-2,288.59	719.21	5,064.23	4,986.68	77.56	65.297		
9,600.00	6,311.20	6,218.14	6,147.47	124.63	26.51	-151.84	-2,288.91	718.56	5,141.78	5,063.82	77.95	65.961		
9,700.00	6,368.45	6,275.73	6,205.19	126.13	26.67	-152.23	-2,289.18	717.84	5,219.43	5,141.08	78.35	66.620		
9,800.00	6,425.71	6,333.05	6,262.51	127.64	26.81	-152.58	-2,289.38	717.18	5,297.24	5,218.53	78.71	67.300		
9,900.00	6,482.96	6,390.32	6,319.77	129.14	26.95	-152.93	-2,289.55	716.57	5,375.23	5,296.15	79.08	67.973		
10,000.00	6,540.21	6,447.50	6,377.02	130.65	27.09	-153.26	-2,289.68	716.01	5,453.38	5,373.93	79.45	68.639		
10,100.00	6,597.46	6,504.75	6,434.27	132.15	27.25	-153.63	-2,289.79	715.38	5,531.66	5,451.78	79.88	69.251		
10,200.00	6,654.71	6,562.00	6,491.52	133.66	27.41	-153.98	-2,289.89	714.70	5,610.02	5,529.72	80.30	69.863		
10,300.00	6,711.97	6,619.25	6,548.77	135.16	27.55	-154.28	-2,289.89	714.10	5,688.52	5,607.86	80.66	70.527		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 93-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,769.19	6,847.41	6,776.85	136.67	27.70	-156.56	-2,289.81	713.45	5,767.23	5,686.17	81.06	71.150		
10,500.00	6,824.05	6,908.74	6,838.17	138.22	27.87	-175.46	-2,289.76	712.70	5,849.49	5,767.94	81.55	71.730		
10,600.00	6,873.81	6,975.34	6,904.77	139.81	28.05	163.22	-2,289.83	711.87	5,935.54	5,853.43	82.11	72.287		
10,700.00	6,916.95	7,029.71	6,959.13	141.38	28.21	141.60	-2,290.04	711.16	6,022.80	5,940.22	82.58	72.931		
10,800.00	6,952.17	7,066.05	6,995.47	142.87	28.31	122.69	-2,290.21	710.68	6,108.87	6,025.96	82.91	73.683		
10,900.00	6,978.39	7,093.49	7,022.91	144.24	28.38	108.23	-2,290.33	710.32	6,191.41	6,108.25	83.16	74.448		
11,000.00	6,994.82	7,113.10	7,042.51	145.43	28.44	98.09	-2,290.42	710.06	6,268.23	6,184.85	83.38	75.178		
11,100.00	7,000.96	7,124.09	7,053.50	146.41	28.47	91.39	-2,290.47	709.90	6,337.31	6,253.74	83.57	75.832		
11,200.00	7,001.00	7,126.29	7,055.71	147.26	28.48	90.97	-2,290.48	709.87	6,401.51	6,317.76	83.75	76.439		
11,300.00	7,001.00	7,128.49	7,057.91	148.14	28.48	91.00	-2,290.48	709.84	6,466.58	6,382.63	83.95	77.029		
11,400.00	7,001.00	7,130.74	7,060.16	149.06	28.49	91.02	-2,290.49	709.81	6,532.53	6,448.36	84.18	77.605		
11,500.00	7,001.00	7,133.05	7,062.46	150.00	28.50	91.05	-2,290.50	709.77	6,599.34	6,514.92	84.43	78.168		
11,600.00	7,001.00	7,135.40	7,064.82	150.97	28.50	91.08	-2,290.52	709.73	6,666.98	6,582.29	84.69	78.719		
11,700.00	7,001.00	7,137.82	7,067.23	151.97	28.51	91.11	-2,290.53	709.70	6,735.43	6,650.45	84.98	79.260		
11,800.00	7,001.00	7,140.30	7,069.71	153.00	28.52	91.13	-2,290.54	709.66	6,804.65	6,719.37	85.28	79.792		
11,900.00	7,001.00	7,142.83	7,072.25	154.06	28.52	91.16	-2,290.55	709.62	6,874.63	6,789.04	85.60	80.315		
12,000.00	7,001.00	7,145.43	7,074.85	155.15	28.53	91.19	-2,290.56	709.58	6,945.35	6,859.43	85.92	80.831		
12,100.00	7,001.00	7,148.10	7,077.51	156.27	28.54	91.23	-2,290.57	709.53	7,016.78	6,930.51	86.26	81.340		
12,200.00	7,001.00	7,150.84	7,080.25	157.43	28.55	91.26	-2,290.58	709.49	7,088.90	7,002.28	86.61	81.844		
12,300.00	7,001.00	7,153.65	7,083.06	158.61	28.55	91.29	-2,290.60	709.44	7,161.68	7,074.71	86.97	82.343		
12,400.00	7,001.00	7,156.53	7,085.94	159.82	28.56	91.32	-2,290.61	709.39	7,235.12	7,147.78	87.34	82.837		
12,500.00	7,001.00	7,159.49	7,088.90	161.07	28.57	91.36	-2,290.62	709.34	7,309.19	7,221.47	87.72	83.328		
12,600.00	7,001.00	7,162.53	7,091.95	162.34	28.58	91.39	-2,290.64	709.29	7,383.86	7,295.77	88.10	83.816		
12,700.00	7,001.00	7,165.66	7,095.07	163.64	28.59	91.43	-2,290.65	709.23	7,459.13	7,370.65	88.48	84.302		
12,800.00	7,001.00	7,168.88	7,098.28	164.98	28.60	91.47	-2,290.66	709.17	7,534.98	7,446.11	88.87	84.787		
12,900.00	7,001.00	7,172.18	7,101.59	166.34	28.61	91.51	-2,290.68	709.11	7,611.38	7,522.12	89.26	85.270		
13,000.00	7,001.00	7,175.58	7,104.99	167.74	28.61	91.55	-2,290.69	709.05	7,688.32	7,598.66	89.66	85.752		
13,100.00	7,001.00	7,179.08	7,108.49	169.16	28.62	91.59	-2,290.71	708.99	7,765.79	7,675.73	90.06	86.233		
13,200.00	7,001.00	7,182.69	7,112.09	170.61	28.63	91.63	-2,290.72	708.92	7,843.76	7,753.31	90.45	86.715		
13,300.00	7,001.00	7,186.40	7,115.81	172.10	28.65	91.67	-2,290.74	708.85	7,922.23	7,831.38	90.85	87.197		
13,400.00	7,001.00	7,190.23	7,119.63	173.61	28.66	91.72	-2,290.76	708.77	8,001.18	7,909.93	91.26	87.679		
13,500.00	7,001.00	7,194.18	7,123.58	175.15	28.67	91.77	-2,290.78	708.69	8,080.60	7,988.94	91.66	88.162		
13,600.00	7,001.00	7,198.25	7,127.65	176.72	28.68	91.81	-2,290.79	708.61	8,160.46	8,068.41	92.06	88.645		
13,700.00	7,001.00	7,202.45	7,131.85	178.31	28.69	91.86	-2,290.81	708.52	8,240.77	8,148.31	92.46	89.130		
13,800.00	7,001.00	7,206.79	7,136.19	179.94	28.70	91.91	-2,290.83	708.43	8,321.50	8,228.64	92.86	89.616		
13,900.00	7,001.00	7,211.27	7,140.67	181.59	28.71	91.97	-2,290.85	708.34	8,402.64	8,309.39	93.26	90.103		
14,000.00	7,001.00	7,215.91	7,145.31	183.26	28.73	92.02	-2,290.87	708.24	8,484.19	8,390.53	93.65	90.592		
14,100.00	7,001.00	7,183.91	7,113.32	184.97	28.64	91.65	-2,290.73	708.85	8,566.12	8,472.32	93.79	91.329		
14,200.00	7,001.00	7,185.60	7,115.00	186.70	28.64	91.67	-2,290.74	708.82	8,648.44	8,554.27	94.17	91.841		
14,300.00	7,001.00	7,216.38	7,145.77	188.45	28.73	92.03	-2,290.88	708.24	8,731.13	8,636.39	94.74	92.162		
14,400.00	7,001.00	7,218.90	7,148.30	190.23	28.74	92.06	-2,290.89	708.18	8,814.17	8,719.06	95.11	92.675		
14,500.00	7,001.00	7,221.44	7,150.84	192.03	28.74	92.09	-2,290.90	708.13	8,897.56	8,802.08	95.48	93.190		
14,600.00	7,001.00	7,223.98	7,153.38	193.86	28.75	92.12	-2,290.91	708.08	8,981.29	8,885.45	95.84	93.708		
14,700.00	7,001.00	7,226.54	7,155.94	195.71	28.76	92.14	-2,290.92	708.03	9,065.35	8,969.14	96.21	94.228		
14,800.00	7,001.00	7,229.10	7,158.50	197.58	28.76	92.18	-2,290.94	707.97	9,149.73	9,053.16	96.57	94.751		
14,900.00	7,001.00	7,231.68	7,161.08	199.47	28.77	92.21	-2,290.95	707.92	9,234.42	9,137.50	96.92	95.277		
15,000.00	7,001.00	7,234.27	7,163.66	201.39	28.78	92.24	-2,290.96	707.86	9,319.41	9,222.14	97.27	95.806		
15,100.00	7,001.00	7,236.86	7,166.26	203.32	28.79	92.27	-2,290.97	707.81	9,404.70	9,307.08	97.62	96.337		
15,200.00	7,001.00	7,239.47	7,168.87	205.28	28.79	92.30	-2,290.99	707.75	9,490.28	9,392.31	97.97	96.871		
15,300.00	7,001.00	7,242.09	7,171.48	207.25	28.80	92.33	-2,291.00	707.70	9,576.13	9,477.82	98.31	97.407		
15,400.00	7,001.00	7,244.72	7,174.11	209.25	28.81	92.36	-2,291.01	707.64	9,662.26	9,563.61	98.65	97.946		
15,500.00	7,001.00	7,247.35	7,176.75	211.26	28.82	92.39	-2,291.02	707.59	9,748.65	9,649.66	98.98	98.488		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design		Sec 36-T7N-R67W - EXIST HZ SCHNEIDER 37-36 - Wellbore #1 - Wellbore #1										Offset Site Error:	0.00 usft
Survey Program: 93-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,600.00	7,001.00	7,250.00	7,179.40	213.30	28.82	92.42	-2,291.04	707.53	9,835.29	9,735.98	99.31	99.032	
15,700.00	7,001.00	7,252.66	7,182.05	215.35	28.83	92.45	-2,291.05	707.47	9,922.19	9,822.55	99.64	99.578	
15,800.00	7,001.00	7,255.33	7,184.72	217.42	28.84	92.48	-2,291.07	707.42	10,009.33	9,909.37	99.97	100.127	
15,900.00	7,001.00	7,258.02	7,187.41	219.50	28.85	92.51	-2,291.08	707.36	10,096.71	9,996.42	100.29	100.679	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	109.83	109.83	0.27	0.16	-164.57	-1,312.72	-362.27	1,361.93	1,361.51	0.42	3,209.324		
200.00	199.98	201.88	201.86	0.62	0.44	-6.82	-1,311.67	-361.34	1,358.85	1,357.80	1.05	1,288.885		
300.00	299.84	292.96	292.94	0.97	0.76	-6.82	-1,311.02	-361.99	1,353.15	1,351.42	1.73	782.575		
400.00	399.45	395.95	395.91	1.34	1.12	-6.82	-1,310.31	-363.62	1,344.26	1,341.80	2.46	547.055		
500.00	498.70	492.20	492.14	1.74	1.46	-6.82	-1,309.35	-365.49	1,331.72	1,328.55	3.17	420.420		
600.00	597.47	576.77	576.70	2.17	1.76	-6.88	-1,309.24	-366.53	1,316.40	1,312.57	3.83	343.692		
700.00	695.62	673.67	673.58	2.62	2.09	-7.09	-1,310.61	-365.44	1,298.50	1,293.97	4.54	286.311		
800.00	793.06	783.77	783.66	3.12	2.46	-7.37	-1,311.66	-363.69	1,276.67	1,271.37	5.29	241.110		
900.00	889.64	884.31	884.19	3.65	2.81	-7.69	-1,311.89	-361.87	1,250.76	1,244.73	6.03	207.411		
1,000.00	985.27	959.99	959.86	4.23	3.08	-7.94	-1,312.26	-361.53	1,222.14	1,215.46	6.68	182.820		
1,100.00	1,079.82	1,045.44	1,045.27	4.85	3.37	-8.13	-1,313.31	-363.78	1,191.61	1,184.23	7.38	161.447		
1,200.00	1,173.17	1,131.71	1,131.45	5.52	3.68	-8.28	-1,314.42	-367.46	1,158.27	1,150.18	8.09	143.202		
1,300.00	1,265.21	1,213.61	1,213.13	6.24	3.97	-8.35	-1,315.60	-373.44	1,122.55	1,113.76	8.79	127.683		
1,400.00	1,355.84	1,293.23	1,292.40	7.01	4.26	-8.38	-1,317.27	-380.63	1,084.61	1,075.12	9.50	114.188		
1,500.00	1,444.94	1,367.00	1,365.74	7.82	4.53	-8.39	-1,319.56	-388.21	1,044.72	1,034.52	10.20	102.449		
1,600.00	1,532.39	1,435.61	1,433.77	8.69	4.79	-8.37	-1,322.72	-396.56	1,003.46	992.57	10.89	92.112		
1,700.00	1,618.11	1,511.14	1,508.30	9.61	5.08	-8.25	-1,327.39	-407.82	961.04	949.42	11.62	82.674		
1,800.00	1,701.97	1,599.73	1,595.49	10.58	5.44	-7.98	-1,333.00	-422.53	916.13	903.72	12.41	73.807		
1,900.00	1,783.88	1,667.00	1,661.69	11.59	5.72	-7.81	-1,337.25	-433.65	868.40	855.26	13.14	66.085		
2,000.00	1,863.74	1,740.36	1,733.52	12.66	6.03	-7.50	-1,342.89	-447.45	819.35	805.45	13.90	58.929		
2,100.00	1,941.45	1,810.15	1,801.04	13.77	6.36	-6.97	-1,349.73	-463.64	770.06	755.39	14.67	52.491		
2,200.00	2,016.92	1,885.24	1,872.92	14.94	6.73	-6.05	-1,357.25	-484.01	719.25	703.78	15.47	46.506		
2,300.00	2,090.05	1,954.00	1,938.03	16.14	7.09	-4.85	-1,364.17	-505.01	666.89	650.64	16.25	41.038		
2,400.00	2,160.76	2,023.96	2,003.51	17.40	7.50	-3.24	-1,371.94	-528.38	613.79	596.73	17.06	35.977		
2,500.00	2,228.95	2,090.52	2,065.02	18.69	7.91	-1.27	-1,380.63	-552.25	560.72	542.85	17.87	31.380		
2,600.00	2,294.55	2,157.89	2,126.56	20.03	8.36	1.25	-1,390.52	-577.83	507.73	489.03	18.70	27.153		
2,700.00	2,357.48	2,224.19	2,186.16	21.41	8.83	4.47	-1,401.19	-604.85	455.43	435.85	19.57	23.270		
2,800.00	2,417.66	2,291.35	2,245.51	22.83	9.35	8.66	-1,413.04	-633.94	404.61	384.06	20.55	19.686		
2,900.00	2,475.32	2,364.76	2,309.64	24.29	9.94	14.24	-1,427.51	-666.61	356.31	334.48	21.83	16.321		
3,000.00	2,532.58	2,445.55	2,380.56	25.75	10.62	21.46	-1,444.06	-701.58	311.83	288.12	23.70	13.155		
3,100.00	2,589.83	2,517.49	2,443.23	27.22	11.24	29.29	-1,459.17	-733.50	274.89	248.71	26.17	10.504		
3,200.00	2,647.08	2,600.36	2,515.03	28.70	11.98	39.89	-1,476.91	-770.89	248.22	218.21	30.01	8.270		
3,300.00	2,704.33	2,676.13	2,580.92	30.17	12.67	50.82	-1,492.42	-804.91	234.01	199.49	34.52	6.779		
3,329.59	2,721.27	2,697.12	2,599.07	30.61	12.87	54.06	-1,496.22	-814.75	233.16	197.29	35.87	6.501 CC, ES		
3,400.00	2,761.58	2,749.27	2,644.00	31.65	13.36	62.19	-1,504.93	-839.75	237.82	198.79	39.03	6.093		
3,500.00	2,818.84	2,826.24	2,710.31	33.13	14.10	73.54	-1,517.52	-876.75	258.35	215.58	42.77	6.041 SF		
3,600.00	2,876.09	2,905.24	2,778.47	34.62	14.86	83.69	-1,530.71	-914.44	291.47	246.06	45.41	6.419		
3,700.00	2,933.34	2,989.33	2,851.66	36.10	15.66	92.76	-1,545.06	-953.28	332.58	285.13	47.45	7.009		
3,800.00	2,990.59	3,061.19	2,914.52	37.59	16.35	99.18	-1,557.27	-985.89	379.58	331.17	48.41	7.841		
3,900.00	3,047.84	3,137.70	2,980.71	39.08	17.10	104.62	-1,570.08	-1,022.06	431.94	382.48	49.46	8.733		
4,000.00	3,105.10	3,221.65	3,053.85	40.57	17.93	109.55	-1,584.55	-1,060.63	486.19	435.41	50.78	9.574		
4,100.00	3,162.35	3,308.86	3,128.10	42.06	18.81	113.24	-1,602.24	-1,102.79	541.32	488.99	52.33	10.344		
4,200.00	3,219.60	3,397.54	3,204.33	43.55	19.72	116.44	-1,621.40	-1,143.85	595.91	542.02	53.89	11.059		
4,300.00	3,276.85	3,459.88	3,258.36	45.05	20.33	118.44	-1,633.96	-1,172.27	652.31	597.84	54.47	11.975		
4,400.00	3,334.10	3,544.19	3,331.79	46.54	21.16	120.84	-1,649.61	-1,210.62	710.67	654.83	55.84	12.727		
4,500.00	3,391.35	3,611.14	3,391.07	48.03	21.80	122.67	-1,661.97	-1,239.19	769.06	712.47	56.59	13.591		
4,600.00	3,448.61	3,671.00	3,443.60	49.53	22.37	124.03	-1,671.49	-1,266.25	830.37	773.18	57.18	14.521		
4,700.00	3,505.86	3,734.86	3,499.70	51.03	22.99	125.33	-1,680.57	-1,295.37	893.47	835.51	57.96	15.416		
4,800.00	3,563.11	3,813.37	3,569.37	52.52	23.74	126.86	-1,691.51	-1,329.88	956.90	897.69	59.21	16.161		
4,900.00	3,620.36	3,885.44	3,632.51	54.02	24.45	127.97	-1,702.19	-1,362.93	1,020.39	960.04	60.35	16.907		
5,000.00	3,677.61	3,942.84	3,681.99	55.52	25.04	128.65	-1,710.33	-1,390.85	1,085.07	1,023.93	61.14	17.748		
5,100.00	3,734.87	4,014.98	3,743.41	57.02	25.81	129.33	-1,720.07	-1,427.42	1,150.72	1,088.22	62.50	18.411		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,792.12	4,100.75	3,816.22	58.51	26.74	130.02	-1,732.05	-1,471.14	1,216.19	1,151.84	64.35	18.899		
5,300.00	3,849.37	4,189.55	3,891.61	60.01	27.70	130.66	-1,745.48	-1,516.09	1,280.79	1,214.49	66.29	19.320		
5,400.00	3,906.62	4,273.68	3,962.94	61.51	28.62	131.20	-1,758.81	-1,558.66	1,344.92	1,276.84	68.08	19.754		
5,500.00	3,963.87	4,358.43	4,035.41	63.01	29.52	131.74	-1,772.55	-1,600.41	1,408.63	1,338.79	69.84	20.169		
5,600.00	4,021.13	4,440.32	4,107.08	64.51	30.34	132.39	-1,785.65	-1,637.76	1,472.04	1,400.66	71.38	20.622		
5,700.00	4,078.38	4,519.38	4,177.06	66.01	31.10	133.05	-1,798.23	-1,672.35	1,535.37	1,462.59	72.78	21.097		
5,800.00	4,135.63	4,590.72	4,239.63	67.51	31.82	133.53	-1,809.74	-1,704.61	1,598.81	1,524.77	74.04	21.594		
5,900.00	4,192.88	4,665.18	4,303.71	69.01	32.58	133.89	-1,821.88	-1,740.53	1,662.57	1,587.10	75.48	22.028		
6,000.00	4,250.13	4,744.14	4,372.33	70.51	33.41	134.30	-1,834.62	-1,777.46	1,726.33	1,649.31	77.02	22.415		
6,100.00	4,307.39	4,827.48	4,444.07	72.02	34.28	134.65	-1,848.41	-1,817.57	1,789.98	1,711.26	78.71	22.740		
6,200.00	4,364.64	4,952.34	4,551.84	73.52	35.58	135.16	-1,870.67	-1,876.53	1,852.64	1,771.17	81.47	22.741		
6,300.00	4,421.89	5,100.40	4,679.88	75.02	37.10	135.75	-1,901.75	-1,944.05	1,912.52	1,827.87	84.65	22.594		
6,400.00	4,479.14	5,171.18	4,740.57	76.52	37.85	135.99	-1,917.94	-1,976.69	1,971.09	1,885.09	86.00	22.919		
6,500.00	4,536.39	5,225.58	4,786.77	78.02	38.43	136.13	-1,929.82	-2,002.81	2,030.70	1,943.70	87.00	23.341		
6,600.00	4,593.64	5,304.53	4,853.98	79.52	39.29	136.32	-1,946.56	-2,040.71	2,090.83	2,002.22	88.61	23.596		
6,700.00	4,650.90	5,407.32	4,942.46	81.03	40.36	136.62	-1,968.57	-2,088.16	2,150.64	2,059.92	90.72	23.705		
6,800.00	4,708.15	5,444.14	4,974.33	82.53	40.74	136.74	-1,976.36	-2,104.87	2,210.67	2,119.41	91.26	24.223		
6,900.00	4,765.40	5,475.26	5,001.27	84.03	41.06	136.83	-1,982.29	-2,119.30	2,272.41	2,180.76	91.65	24.794		
7,000.00	4,822.65	5,510.00	5,031.30	85.53	41.42	136.92	-1,988.17	-2,135.73	2,335.80	2,243.69	92.11	25.358		
7,100.00	4,879.90	5,588.29	5,099.93	87.04	42.20	137.17	-2,000.56	-2,171.29	2,399.99	2,306.38	93.60	25.640		
7,200.00	4,937.16	5,674.55	5,176.97	88.54	43.01	137.52	-2,014.32	-2,207.57	2,463.81	2,368.63	95.17	25.888		
7,300.00	4,994.41	5,801.99	5,289.83	90.04	44.24	137.96	-2,036.13	-2,262.58	2,526.96	2,429.24	97.72	25.860		
7,400.00	5,051.66	5,878.20	5,356.00	91.54	45.02	138.14	-2,050.21	-2,297.64	2,589.22	2,490.01	99.21	26.099		
7,500.00	5,108.91	6,045.28	5,498.00	93.05	46.83	138.34	-2,084.26	-2,378.80	2,650.23	2,547.25	102.99	25.734		
7,600.00	5,166.16	6,083.00	5,530.54	94.55	47.24	138.41	-2,092.60	-2,395.96	2,710.04	2,606.43	103.61	26.155		
7,700.00	5,223.42	6,143.50	5,582.98	96.05	47.86	138.54	-2,105.30	-2,423.32	2,770.50	2,665.77	104.73	26.453		
7,800.00	5,280.67	6,179.00	5,613.65	97.56	48.23	138.60	-2,111.98	-2,439.90	2,832.55	2,727.26	105.28	26.904		
7,900.00	5,337.92	6,219.81	5,648.67	99.06	48.68	138.65	-2,119.15	-2,459.60	2,895.69	2,789.70	105.99	27.321		
8,000.00	5,395.17	6,274.00	5,694.51	100.56	49.27	138.68	-2,128.10	-2,487.06	2,959.79	2,852.73	107.06	27.647		
8,100.00	5,452.42	6,359.27	5,767.27	102.07	50.20	138.76	-2,142.28	-2,529.16	3,023.76	2,914.86	108.90	27.767		
8,200.00	5,509.68	6,413.52	5,814.29	103.57	50.76	138.84	-2,151.25	-2,554.68	3,087.78	2,977.89	109.89	28.099		
8,300.00	5,566.93	6,465.00	5,859.39	105.08	51.28	138.94	-2,158.78	-2,578.34	3,152.95	3,042.16	110.79	28.459		
8,400.00	5,624.18	6,490.60	5,881.90	106.58	51.54	138.99	-2,162.22	-2,590.04	3,218.86	3,107.80	111.05	28.984		
8,500.00	5,681.43	6,542.83	5,927.81	108.08	52.06	139.08	-2,168.98	-2,614.02	3,285.45	3,173.49	111.96	29.345		
8,600.00	5,738.68	6,791.02	6,142.09	109.59	54.66	139.36	-2,206.13	-2,733.39	3,351.35	3,233.61	117.75	28.463		
8,700.00	5,795.93	6,873.89	6,213.83	111.09	55.53	139.46	-2,221.04	-2,772.11	3,414.15	3,294.72	119.44	28.586		
8,800.00	5,853.19	6,943.23	6,274.76	112.60	56.23	139.58	-2,233.30	-2,802.85	3,477.05	3,356.32	120.74	28.799		
8,900.00	5,910.44	7,030.99	6,352.23	114.10	57.08	139.75	-2,248.79	-2,841.04	3,539.94	3,417.53	122.41	28.919		
9,000.00	5,967.69	7,101.72	6,414.82	115.60	57.76	139.89	-2,261.30	-2,871.52	3,602.79	3,479.09	123.70	29.126		
9,100.00	6,024.94	7,165.42	6,471.42	117.11	58.38	140.02	-2,272.37	-2,898.56	3,665.86	3,541.03	124.83	29.367		
9,200.00	6,082.19	7,230.00	6,528.14	118.61	59.01	140.11	-2,283.38	-2,927.41	3,729.30	3,603.28	126.03	29.591		
9,300.00	6,139.45	7,303.05	6,592.01	120.12	59.75	140.20	-2,295.72	-2,960.65	3,792.94	3,665.49	127.44	29.762		
9,400.00	6,196.70	7,409.47	6,685.32	121.62	60.82	140.35	-2,314.03	-3,008.43	3,856.32	3,726.73	129.59	29.758		
9,500.00	6,253.95	7,577.91	6,828.67	123.13	62.66	140.41	-2,346.64	-3,090.52	3,917.90	3,784.55	133.35	29.380		
9,600.00	6,311.20	7,651.11	6,890.33	124.63	63.47	140.42	-2,361.46	-3,127.09	3,979.12	3,844.20	134.92	29.493		
9,700.00	6,368.45	7,733.42	6,961.86	126.13	64.34	140.51	-2,377.67	-3,164.42	4,040.56	3,903.99	136.57	29.586		
9,800.00	6,425.71	7,842.00	7,055.24	127.64	65.48	140.59	-2,400.05	-3,215.05	4,101.25	3,962.43	138.82	29.544		
9,900.00	6,482.96	7,842.00	7,055.24	129.14	65.48	140.59	-2,400.05	-3,215.05	4,162.70	4,024.02	138.68	30.017		
10,000.00	6,540.21	7,890.88	7,094.80	130.65	66.12	140.54	-2,409.75	-3,242.03	4,224.71	4,084.89	139.83	30.214		
10,100.00	6,597.46	7,937.00	7,130.03	132.15	66.72	140.43	-2,417.86	-3,270.65	4,288.15	4,147.18	140.97	30.420		
10,200.00	6,654.71	7,937.00	7,130.03	133.66	66.72	140.43	-2,417.86	-3,270.65	4,352.17	4,211.41	140.76	30.919		
10,300.00	6,711.97	7,986.86	7,165.37	135.16	67.51	140.24	-2,425.96	-3,304.85	4,417.09	4,274.88	142.21	31.061		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 36-T7N-R67W - ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 - PATT 901		Offset Site Error:		0.00 usft	
Survey Program:		130-MWD OWSG											Offset Well Error:		0.00 usft			
Reference		Offset		Semi Major Axis		Distance								Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor						
10,400.00	6,769.19	8,033.00	7,195.16	136.67	68.25	138.33	-2,433.22	-3,339.31	4,482.49	4,338.90	143.58	31.219						
10,500.00	6,824.05	8,033.00	7,195.16	138.22	68.25	125.25	-2,433.22	-3,339.31	4,544.76	4,401.51	143.25	31.725						
10,600.00	6,873.81	8,033.00	7,195.16	139.81	68.25	114.61	-2,433.22	-3,339.31	4,600.50	4,457.70	142.80	32.216						
10,700.00	6,916.95	8,079.68	7,222.32	141.38	69.10	106.41	-2,439.42	-3,376.74	4,647.01	4,502.91	144.10	32.248						
10,800.00	6,952.17	8,128.00	7,247.14	142.87	69.98	100.44	-2,443.65	-3,417.97	4,685.12	4,539.66	145.46	32.209						
10,900.00	6,978.39	8,128.00	7,247.14	144.24	69.98	96.32	-2,443.65	-3,417.97	4,711.79	4,567.01	144.79	32.543						
11,000.00	6,994.82	8,128.00	7,247.14	145.43	69.98	93.91	-2,443.65	-3,417.97	4,727.74	4,583.66	144.08	32.814						
11,100.00	7,000.96	8,193.71	7,274.65	146.41	71.29	93.43	-2,447.41	-3,477.46	4,731.82	4,585.50	146.32	32.340						
11,200.00	7,001.00	8,361.67	7,313.47	147.26	74.83	93.91	-2,455.31	-3,640.24	4,728.63	4,575.10	153.52	30.801						
11,300.00	7,001.00	8,415.00	7,316.22	148.14	75.98	93.95	-2,458.00	-3,693.41	4,724.16	4,568.73	155.43	30.395						
11,400.00	7,001.00	8,474.01	7,316.37	149.06	77.25	93.95	-2,460.25	-3,752.38	4,720.57	4,562.94	157.63	29.947						
11,500.00	7,001.00	8,510.00	7,316.45	150.00	78.03	93.96	-2,460.87	-3,788.36	4,718.64	4,559.88	158.75	29.723						
11,598.59	7,001.00	8,541.89	7,316.65	150.95	78.72	93.96	-2,460.99	-3,820.25	4,718.09	4,558.38	159.71	29.542						
11,600.00	7,001.00	8,542.40	7,316.66	150.97	78.73	93.96	-2,460.99	-3,820.76	4,718.09	4,558.36	159.73	29.539						
11,700.00	7,001.00	8,606.00	7,317.83	151.97	80.12	93.97	-2,460.12	-3,884.34	4,719.13	4,556.88	162.25	29.086						
11,800.00	7,001.00	8,651.11	7,319.07	153.00	81.11	93.99	-2,459.09	-3,929.42	4,720.98	4,557.09	163.90	28.805						
11,900.00	7,001.00	8,773.65	7,323.39	154.06	83.84	94.04	-2,457.14	-4,051.87	4,722.62	4,553.17	169.45	27.870						
12,000.00	7,001.00	8,876.85	7,329.13	155.15	86.17	94.10	-2,455.76	-4,154.90	4,724.20	4,550.09	174.11	27.134						
12,100.00	7,001.00	8,955.64	7,332.22	156.27	87.97	94.14	-2,454.51	-4,233.61	4,725.91	4,548.34	177.57	26.614						
12,200.00	7,001.00	9,318.89	7,329.31	157.43	96.42	94.11	-2,454.06	-4,596.76	4,727.68	4,532.27	195.41	24.194						
12,300.00	7,001.00	9,438.84	7,330.89	158.61	99.30	94.13	-2,458.85	-4,716.61	4,723.58	4,522.51	201.08	23.492						
12,400.00	7,001.00	9,521.17	7,331.77	159.82	101.29	94.14	-2,461.95	-4,798.88	4,719.75	4,514.85	204.89	23.035						
12,500.00	7,001.00	9,695.93	7,333.81	161.07	105.54	94.18	-2,470.33	-4,973.40	4,714.56	4,501.17	213.39	22.093						
12,600.00	7,001.00	9,751.00	7,333.74	162.34	106.89	94.18	-2,472.62	-5,028.43	4,710.05	4,494.15	215.90	21.816						
12,700.00	7,001.00	9,794.49	7,333.62	163.64	107.96	94.18	-2,473.96	-5,071.90	4,706.57	4,488.73	217.84	21.606						
12,800.00	7,001.00	9,847.00	7,334.42	164.98	109.24	94.19	-2,475.44	-5,124.38	4,703.84	4,483.61	220.23	21.359						
12,900.00	7,001.00	9,891.02	7,335.21	166.34	110.33	94.20	-2,476.21	-5,168.39	4,702.23	4,480.04	222.19	21.163						
13,000.00	7,001.00	9,995.14	7,335.21	167.74	112.89	94.20	-2,476.45	-5,272.49	4,701.86	4,474.59	227.27	20.688						
13,100.00	7,001.00	10,098.99	7,335.18	169.16	115.46	94.20	-2,477.99	-5,376.33	4,700.20	4,467.84	232.36	20.228						
13,200.00	7,001.00	10,213.00	7,336.35	170.61	118.30	94.21	-2,479.11	-5,490.32	4,699.16	4,461.14	238.01	19.743						
13,279.08	7,001.00	10,229.00	7,336.55	171.78	118.70	94.22	-2,479.31	-5,506.32	4,698.52	4,459.89	238.62	19.690						
13,300.00	7,001.00	10,229.00	7,336.55	172.10	118.70	94.22	-2,479.31	-5,506.32	4,698.56	4,460.00	238.56	19.696						
13,317.88	7,001.00	10,267.77	7,337.22	172.37	119.67	94.23	-2,479.85	-5,545.07	4,697.96	4,457.42	240.54	19.531						
13,400.00	7,001.00	10,286.15	7,337.44	173.61	120.13	94.23	-2,479.72	-5,563.45	4,698.52	4,457.27	241.25	19.476						
13,500.00	7,001.00	10,324.00	7,337.70	175.15	121.07	94.23	-2,478.63	-5,601.28	4,700.81	4,457.90	242.91	19.352						
13,600.00	7,001.00	10,530.99	7,339.81	176.72	126.26	94.25	-2,473.92	-5,808.19	4,703.69	4,450.09	253.60	18.547						
13,700.00	7,001.00	10,647.03	7,340.50	178.31	129.19	94.26	-2,473.44	-5,924.22	4,704.00	4,444.53	259.46	18.130						
13,800.00	7,001.00	10,763.32	7,338.90	179.94	132.14	94.24	-2,473.38	-6,040.50	4,703.76	4,438.41	265.35	17.727						
13,900.00	7,001.00	10,873.35	7,338.11	181.59	134.93	94.23	-2,473.52	-6,150.53	4,703.43	4,432.51	270.92	17.361						
14,000.00	7,001.00	11,067.89	7,340.68	183.26	139.92	94.27	-2,476.44	-6,345.02	4,701.82	4,420.90	280.92	16.737						
14,100.00	7,001.00	11,154.30	7,343.04	184.97	142.14	94.30	-2,478.84	-6,431.37	4,699.14	4,413.84	285.29	16.471						
14,200.00	7,001.00	11,235.17	7,344.93	186.70	144.22	94.32	-2,480.32	-6,512.20	4,697.29	4,407.90	289.39	16.232						
14,300.00	7,001.00	11,525.59	7,350.69	188.45	151.73	94.40	-2,492.63	-6,802.22	4,692.28	4,388.08	304.20	15.425						
14,400.00	7,001.00	11,567.00	7,350.66	190.23	152.81	94.41	-2,494.87	-6,843.57	4,686.91	4,380.55	306.36	15.299						
14,500.00	7,001.00	11,567.00	7,350.66	192.03	152.81	94.41	-2,494.87	-6,843.57	4,683.36	4,377.00	306.36	15.287						
14,600.00	7,001.00	11,623.28	7,349.03	193.86	154.26	94.39	-2,496.57	-6,899.79	4,680.56	4,371.36	309.21	15.137						
14,700.00	7,001.00	11,663.00	7,346.83	195.71	155.28	94.36	-2,496.44	-6,939.45	4,679.92	4,368.76	311.16	15.040						
14,712.23	7,001.00	11,663.00	7,346.83	195.93	155.28	94.36	-2,496.44	-6,939.45	4,679.91	4,368.76	311.14	15.041						
14,800.00	7,001.00	11,663.00	7,346.83	197.58	155.28	94.36	-2,496.44	-6,939.45	4,680.73	4,369.78	310.95	15.053						
14,900.00	7,001.00	11,717.60	7,343.57	199.47	156.69	94.32	-2,495.03	-6,993.94	4,682.87	4,369.24	313.63	14.931						
15,000.00	7,001.00	11,759.00	7,341.59	201.39	157.75	94.29	-2,493.36	-7,035.25	4,686.36	4,370.80	315.56	14.851						
15,100.00	7,001.00	11,759.00	7,341.59	203.32	157.75	94.29	-2,493.36	-7,035.25	4,691.52	4,376.39	315.13	14.888						

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,200.00	7,001.00	11,814.06	7,339.64	205.28	159.17	94.27	-2,489.99	-7,090.17	4,697.66	4,379.90	317.76	14.784		
15,300.00	7,001.00	11,882.06	7,339.08	207.25	160.91	94.26	-2,484.32	-7,157.92	4,705.56	4,384.45	321.11	14.654		
15,400.00	7,001.00	12,805.00	7,356.94	209.25	185.02	94.49	-2,497.72	-8,078.40	4,699.29	4,329.97	369.32	12.724		
15,500.00	7,001.00	12,805.00	7,356.94	211.26	185.02	94.49	-2,497.72	-8,078.40	4,690.74	4,320.96	369.78	12.685		
15,600.00	7,001.00	12,805.00	7,356.94	213.30	185.02	94.49	-2,497.72	-8,078.40	4,684.32	4,314.21	370.10	12.657		
15,700.00	7,001.00	12,863.86	7,356.51	215.35	186.56	94.49	-2,501.46	-8,137.14	4,678.43	4,305.17	373.26	12.534		
15,800.00	7,001.00	12,901.00	7,355.85	217.42	187.54	94.48	-2,502.53	-8,174.25	4,674.85	4,299.56	375.30	12.456		
15,900.00	7,001.00	12,934.99	7,355.12	219.50	188.44	94.47	-2,503.04	-8,208.23	4,672.63	4,295.51	377.12	12.390		
16,000.00	7,001.00	13,018.27	7,353.50	221.60	190.63	94.45	-2,504.07	-8,291.49	4,671.07	4,289.59	381.48	12.244		
16,100.00	7,001.00	13,092.00	7,351.94	223.72	192.57	94.43	-2,504.73	-8,365.20	4,669.89	4,284.54	385.35	12.119		
16,137.97	7,001.00	13,092.00	7,351.94	224.53	192.57	94.43	-2,504.73	-8,365.20	4,669.74	4,284.41	385.32	12.119		
16,200.00	7,001.00	13,126.04	7,351.10	225.85	193.47	94.42	-2,504.69	-8,399.23	4,669.75	4,282.67	387.08	12.064		
16,300.00	7,001.00	13,187.00	7,349.28	228.00	195.08	94.40	-2,503.18	-8,460.14	4,671.41	4,281.18	390.22	11.971		
16,400.00	7,001.00	13,189.17	7,349.21	230.16	195.13	94.40	-2,503.09	-8,462.31	4,673.91	4,283.83	390.08	11.982		
16,500.00	7,001.00	13,377.00	7,344.10	232.34	200.08	94.33	-2,498.14	-8,649.99	4,675.89	4,275.67	400.22	11.683		
16,600.00	7,001.00	13,444.87	7,342.28	234.53	201.87	94.31	-2,496.93	-8,717.82	4,677.50	4,273.77	403.73	11.586		
16,700.00	7,001.00	13,500.49	7,340.32	236.73	203.34	94.28	-2,495.04	-8,773.38	4,680.39	4,273.85	406.54	11.513		
16,800.00	7,001.00	13,595.07	7,335.25	238.95	205.83	94.22	-2,491.17	-8,867.74	4,683.91	4,272.39	411.52	11.382		
16,900.00	7,001.00	13,785.52	7,321.86	241.18	210.84	94.05	-2,485.75	-9,057.64	4,685.84	4,264.05	421.80	11.109		
17,000.00	7,001.00	13,855.00	7,316.67	243.42	212.67	93.98	-2,483.94	-9,126.90	4,687.73	4,262.32	425.41	11.019		
17,100.00	7,001.00	14,035.60	7,302.33	245.67	217.43	93.81	-2,481.21	-9,306.90	4,688.17	4,253.10	435.07	10.776		
17,200.00	7,001.00	14,311.10	7,277.63	247.93	224.70	93.51	-2,484.04	-9,581.24	4,685.81	4,236.36	449.45	10.426		
17,300.00	7,001.00	14,392.65	7,270.69	250.21	226.86	93.43	-2,486.10	-9,662.48	4,682.63	4,228.83	453.80	10.319		
17,400.00	7,001.00	14,491.47	7,259.85	252.50	229.46	93.29	-2,487.99	-9,760.67	4,679.89	4,220.88	459.01	10.196		
17,500.00	7,001.00	14,666.84	7,240.10	254.79	234.08	93.06	-2,492.93	-9,934.86	4,676.29	4,208.26	468.04	9.991		
17,600.00	7,001.00	14,766.38	7,227.29	257.10	236.69	92.90	-2,496.66	-10,033.50	4,671.69	4,198.41	473.28	9.871		
17,700.00	7,001.00	14,862.70	7,214.63	259.42	239.22	92.75	-2,499.94	-10,128.93	4,667.44	4,189.08	478.36	9.757		
17,800.00	7,001.00	14,978.22	7,199.55	261.74	242.26	92.57	-2,504.22	-10,243.38	4,662.94	4,178.56	484.38	9.627		
17,900.00	7,001.00	15,053.78	7,190.43	264.08	244.25	92.46	-2,507.05	-10,318.33	4,658.50	4,170.03	488.46	9.537		
18,000.00	7,001.00	15,190.00	7,180.55	266.42	247.87	92.34	-2,512.73	-10,454.05	4,653.79	4,158.25	495.54	9.391		
18,100.00	7,001.00	15,238.14	7,178.42	268.78	249.15	92.31	-2,514.99	-10,502.09	4,649.14	4,150.84	498.30	9.330		
18,200.00	7,001.00	15,285.00	7,176.65	271.14	250.40	92.29	-2,516.03	-10,548.90	4,646.26	4,145.31	500.94	9.275		
18,300.00	7,001.00	15,332.53	7,175.05	273.51	251.67	92.27	-2,516.55	-10,596.40	4,644.51	4,140.94	503.57	9.223		
18,400.00	7,001.00	15,455.34	7,171.27	275.89	254.96	92.23	-2,518.33	-10,719.14	4,642.79	4,132.70	510.09	9.102		
18,500.00	7,001.00	15,549.98	7,167.89	278.27	257.49	92.18	-2,519.91	-10,813.71	4,640.83	4,125.67	515.15	9.009		
18,600.00	7,001.00	15,605.00	7,165.71	280.67	258.96	92.16	-2,520.76	-10,868.68	4,639.18	4,121.04	518.14	8.954		
18,641.41	7,001.00	15,605.00	7,165.71	281.66	258.96	92.16	-2,520.76	-10,868.68	4,639.00	4,120.85	518.14	8.953		
18,700.00	7,001.00	15,605.00	7,165.71	283.07	258.96	92.16	-2,520.76	-10,868.68	4,639.37	4,121.28	518.09	8.955		
18,800.00	7,001.00	15,605.00	7,165.71	285.48	258.96	92.16	-2,520.76	-10,868.68	4,641.71	4,123.89	517.82	8.964		
18,900.00	7,001.00	15,605.00	7,165.71	287.89	258.96	92.16	-2,520.76	-10,868.68	4,646.20	4,128.87	517.33	8.981		
19,000.00	7,001.00	15,605.00	7,165.71	290.31	258.96	92.16	-2,520.76	-10,868.68	4,652.83	4,136.21	516.62	9.006		
19,100.00	7,001.00	15,605.00	7,165.71	292.74	258.96	92.16	-2,520.76	-10,868.68	4,661.61	4,145.91	515.70	9.039		
19,200.00	7,001.00	15,605.00	7,165.71	295.17	258.96	92.16	-2,520.76	-10,868.68	4,672.51	4,157.94	514.57	9.080		
19,300.00	7,001.00	15,605.00	7,165.71	297.61	258.96	92.16	-2,520.76	-10,868.68	4,685.51	4,172.28	513.23	9.129		
19,400.00	7,001.00	15,605.00	7,165.71	300.06	258.96	92.16	-2,520.76	-10,868.68	4,700.61	4,188.92	511.69	9.186		
19,500.00	7,001.00	15,605.00	7,165.71	302.51	258.96	92.16	-2,520.76	-10,868.68	4,717.78	4,207.82	509.96	9.251		
19,600.00	7,001.00	15,605.00	7,165.71	304.97	258.96	92.16	-2,520.76	-10,868.68	4,737.00	4,228.96	508.04	9.324		
19,700.00	7,001.00	15,605.00	7,165.71	307.43	258.96	92.16	-2,520.76	-10,868.68	4,758.24	4,252.31	505.94	9.405		
19,800.00	7,001.00	15,605.00	7,165.71	309.90	258.96	92.16	-2,520.76	-10,868.68	4,781.49	4,277.82	503.66	9.493		
19,900.00	7,001.00	15,605.00	7,165.71	312.38	258.96	92.16	-2,520.76	-10,868.68	4,806.70	4,305.47	501.22	9.590		
20,000.00	7,001.00	15,605.00	7,165.71	314.85	258.96	92.16	-2,520.76	-10,868.68	4,833.84	4,335.21	498.63	9.694		
20,100.00	7,001.00	15,605.00	7,165.71	317.34	258.96	92.16	-2,520.76	-10,868.68	4,862.90	4,367.01	495.89	9.806		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 - PATT 901												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,200.00	7,001.00	15,605.00	7,165.71	319.83	258.96	92.16	-2,520.76	-10,868.68	4,893.82	4,400.81	493.01	9.926	
20,300.00	7,001.00	15,605.00	7,165.71	322.32	258.96	92.16	-2,520.76	-10,868.68	4,926.58	4,436.58	490.00	10.054	
20,400.00	7,001.00	15,605.00	7,165.71	324.82	258.96	92.16	-2,520.76	-10,868.68	4,961.14	4,474.26	486.88	10.190	
20,500.00	7,001.00	15,605.00	7,165.71	327.32	258.96	92.16	-2,520.76	-10,868.68	4,997.46	4,513.82	483.64	10.333	
20,600.00	7,001.00	15,605.00	7,165.71	329.83	258.96	92.16	-2,520.76	-10,868.68	5,035.51	4,555.20	480.31	10.484	
20,700.00	7,001.00	15,605.00	7,165.71	332.34	258.96	92.16	-2,520.76	-10,868.68	5,075.24	4,598.36	476.88	10.643	
20,800.00	7,001.00	15,605.00	7,165.71	334.85	258.96	92.16	-2,520.76	-10,868.68	5,116.62	4,643.24	473.37	10.809	
20,900.00	7,001.00	15,605.00	7,165.71	337.37	258.96	92.16	-2,520.76	-10,868.68	5,159.60	4,689.81	469.79	10.983	
21,000.00	7,001.00	15,605.00	7,165.71	339.89	258.96	92.16	-2,520.76	-10,868.68	5,204.15	4,738.01	466.15	11.164	
21,100.00	7,001.00	15,605.00	7,165.71	342.42	258.96	92.16	-2,520.76	-10,868.68	5,250.23	4,787.79	462.45	11.353	
21,200.00	7,001.00	15,605.00	7,165.71	344.95	258.96	92.16	-2,520.76	-10,868.68	5,297.80	4,839.10	458.70	11.550	
21,300.00	7,001.00	15,605.00	7,165.71	347.48	258.96	92.16	-2,520.76	-10,868.68	5,346.81	4,891.90	454.90	11.754	
21,400.00	7,001.00	15,605.00	7,165.71	350.02	258.96	92.16	-2,520.76	-10,868.68	5,397.23	4,946.15	451.08	11.965	
21,500.00	7,001.00	15,605.00	7,165.71	352.56	258.96	92.16	-2,520.76	-10,868.68	5,449.02	5,001.79	447.23	12.184	
21,600.00	7,001.00	15,605.00	7,165.71	355.10	258.96	92.16	-2,520.76	-10,868.68	5,502.14	5,058.78	443.36	12.410	
21,700.00	7,001.00	15,605.00	7,165.71	357.65	258.96	92.16	-2,520.76	-10,868.68	5,556.55	5,117.07	439.48	12.643	
21,800.00	7,001.00	15,605.00	7,165.71	360.20	258.96	92.16	-2,520.76	-10,868.68	5,612.21	5,176.62	435.59	12.884	
21,818.56	7,001.00	15,605.00	7,165.71	360.67	258.96	92.16	-2,520.76	-10,868.68	5,622.68	5,187.81	434.87	12.930	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	143.07	143.02	0.27	0.25	-165.52	-1,331.29	-343.86	1,376.04	1,375.52	0.52	2,670.879		
200.00	199.98	225.00	224.91	0.62	0.53	-7.75	-1,328.94	-343.13	1,371.27	1,370.12	1.15	1,195.607		
300.00	299.84	300.83	300.73	0.97	0.80	-7.79	-1,327.86	-342.87	1,364.55	1,362.78	1.77	770.662		
400.00	399.45	383.05	382.95	1.34	1.08	-7.84	-1,327.58	-343.20	1,355.68	1,353.27	2.42	561.204		
500.00	498.70	470.38	470.28	1.74	1.38	-7.91	-1,328.24	-343.92	1,344.53	1,341.45	3.08	436.728		
600.00	597.47	562.03	561.92	2.17	1.69	-8.02	-1,329.55	-344.68	1,330.61	1,326.85	3.76	353.590		
700.00	695.62	673.79	673.66	2.62	2.08	-8.16	-1,331.12	-345.95	1,313.37	1,308.84	4.53	289.852		
800.00	793.06	786.22	786.09	3.12	2.48	-8.38	-1,331.21	-346.36	1,291.24	1,285.93	5.31	243.217		
900.00	889.64	875.17	875.03	3.65	2.79	-8.58	-1,330.95	-347.10	1,265.55	1,259.54	6.01	210.613		
1,000.00	985.27	957.44	957.28	4.23	3.08	-8.78	-1,331.27	-348.53	1,237.39	1,230.69	6.69	184.879		
1,100.00	1,079.82	1,035.65	1,035.45	4.85	3.36	-8.95	-1,332.26	-351.11	1,207.11	1,199.74	7.37	163.754		
1,200.00	1,173.17	1,112.73	1,112.38	5.52	3.64	-9.09	-1,333.98	-355.49	1,174.97	1,166.92	8.06	145.858		
1,300.00	1,265.21	1,189.11	1,188.54	6.24	3.92	-9.22	-1,336.60	-360.70	1,140.95	1,132.20	8.75	130.426		
1,400.00	1,355.84	1,259.85	1,258.93	7.01	4.18	-9.32	-1,340.05	-366.76	1,105.39	1,095.96	9.43	117.199		
1,500.00	1,444.94	1,330.72	1,329.22	7.82	4.45	-9.38	-1,344.56	-374.52	1,068.52	1,058.39	10.13	105.482		
1,600.00	1,532.39	1,403.72	1,401.31	8.69	4.74	-9.36	-1,350.21	-384.52	1,030.30	1,019.45	10.85	94.968		
1,700.00	1,618.11	1,483.02	1,479.27	9.61	5.06	-9.25	-1,357.22	-397.22	990.44	978.84	11.60	85.356		
1,800.00	1,701.97	1,579.78	1,574.42	10.58	5.46	-9.13	-1,366.05	-412.44	947.69	935.26	12.43	76.233		
1,900.00	1,783.88	1,679.33	1,672.12	11.59	5.89	-8.85	-1,373.30	-430.06	900.70	887.43	13.27	67.854		
2,000.00	1,863.74	1,751.67	1,742.42	12.66	6.23	-8.40	-1,377.83	-446.48	851.11	837.06	14.05	60.592		
2,100.00	1,941.45	1,807.98	1,796.52	13.77	6.51	-7.89	-1,382.05	-461.51	800.76	785.97	14.79	54.159		
2,200.00	2,016.92	1,859.00	1,845.20	14.94	6.77	-7.39	-1,387.75	-475.64	750.99	735.48	15.51	48.427		
2,300.00	2,090.05	1,932.01	1,914.43	16.14	7.17	-6.53	-1,398.08	-496.39	701.04	684.73	16.32	42.964		
2,400.00	2,160.76	2,005.67	1,983.83	17.40	7.59	-5.49	-1,409.94	-518.04	650.20	633.07	17.13	37.948		
2,500.00	2,228.95	2,078.11	2,051.49	18.69	8.04	-4.14	-1,422.09	-540.91	597.98	580.03	17.95	33.312		
2,600.00	2,294.55	2,144.00	2,112.17	20.03	8.46	-2.48	-1,433.86	-563.71	545.24	526.50	18.74	29.094		
2,700.00	2,357.48	2,219.67	2,180.59	21.41	9.01	0.26	-1,447.51	-592.98	492.02	472.42	19.61	25.097		
2,800.00	2,417.66	2,286.81	2,240.00	22.83	9.53	3.69	-1,459.48	-621.86	438.94	418.47	20.47	21.442		
2,900.00	2,475.32	2,351.47	2,296.07	24.29	10.07	7.92	-1,472.00	-651.53	387.98	366.57	21.42	18.117		
3,000.00	2,532.58	2,415.62	2,350.44	25.75	10.65	12.90	-1,486.21	-682.46	343.36	320.82	22.54	15.233		
3,100.00	2,589.83	2,489.94	2,420.16	27.22	11.44	20.47	-1,506.57	-723.29	305.91	281.40	24.51	12.479		
3,200.00	2,647.08	2,576.43	2,485.41	28.70	12.20	28.67	-1,525.63	-760.48	274.85	247.66	27.18	10.110		
3,300.00	2,704.33	2,656.15	2,551.39	30.17	13.00	38.33	-1,545.78	-800.42	255.34	224.37	30.98	8.243		
3,400.00	2,761.58	2,741.87	2,623.01	31.65	13.88	49.44	-1,567.61	-842.15	246.43	210.51	35.92	6.860		
3,418.63	2,772.25	2,756.47	2,635.19	31.93	14.03	51.35	-1,571.44	-849.23	246.19	209.37	36.81	6.687 CC, ES		
3,500.00	2,818.84	2,821.71	2,689.17	33.13	14.71	59.66	-1,589.32	-881.23	250.72	210.04	40.68	6.164		
3,600.00	2,876.09	2,906.90	2,759.29	34.62	15.62	69.74	-1,613.57	-923.08	266.68	221.57	45.11	5.911 SF		
3,700.00	2,933.34	3,000.51	2,837.34	36.10	16.61	79.71	-1,640.29	-967.31	290.40	241.30	49.11	5.914		
3,800.00	2,990.59	3,092.92	2,916.29	37.59	17.53	88.54	-1,666.09	-1,007.79	319.27	267.15	52.12	6.125		
3,900.00	3,047.84	3,165.59	2,979.40	39.08	18.23	94.82	-1,684.81	-1,038.55	354.48	300.92	53.56	6.618		
4,000.00	3,105.10	3,230.81	3,036.21	40.57	18.88	99.87	-1,699.22	-1,067.14	397.75	343.53	54.22	7.336		
4,100.00	3,162.35	3,292.58	3,089.21	42.06	19.50	103.85	-1,711.38	-1,096.46	448.10	393.55	54.54	8.215		
4,200.00	3,219.60	3,373.99	3,157.85	43.55	20.38	107.98	-1,727.38	-1,137.18	502.15	446.24	55.91	8.982		
4,300.00	3,276.85	3,459.53	3,229.96	45.05	21.29	111.50	-1,744.96	-1,179.70	557.04	499.60	57.44	9.697		
4,400.00	3,334.10	3,538.59	3,297.60	46.54	22.13	114.39	-1,760.90	-1,217.39	612.59	553.95	58.64	10.446		
4,500.00	3,391.35	3,617.22	3,364.19	48.03	22.97	116.69	-1,777.11	-1,255.94	669.28	609.37	59.91	11.171		
4,600.00	3,448.61	3,702.44	3,435.75	49.53	23.89	118.71	-1,795.23	-1,298.52	726.49	664.98	61.51	11.811		
4,700.00	3,505.86	3,790.93	3,511.29	51.03	24.84	120.69	-1,814.45	-1,340.41	783.00	719.85	63.16	12.398		
4,800.00	3,563.11	3,863.00	3,572.90	52.52	25.60	122.10	-1,829.94	-1,374.45	840.17	775.94	64.23	13.081		
4,900.00	3,620.36	3,936.14	3,634.67	54.02	26.40	123.27	-1,845.50	-1,410.38	898.38	832.93	65.45	13.726		
5,000.00	3,677.61	4,015.88	3,700.93	55.52	27.30	124.24	-1,862.62	-1,451.31	957.27	890.25	67.02	14.283		
5,100.00	3,734.87	4,102.36	3,772.24	57.02	28.30	125.11	-1,881.75	-1,496.34	1,016.01	947.12	68.89	14.748		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,792.12	4,188.95	3,843.37	58.51	29.32	125.86	-1,901.60	-1,541.54	1,074.26	1,003.48	70.78	15.177		
5,300.00	3,849.37	4,274.18	3,913.44	60.01	30.31	126.52	-1,921.41	-1,585.85	1,132.32	1,059.69	72.63	15.589		
5,400.00	3,906.62	4,362.18	3,985.91	61.51	31.33	127.15	-1,942.29	-1,631.17	1,189.98	1,115.42	74.56	15.960		
5,500.00	3,963.87	4,446.18	4,056.44	63.01	32.27	127.83	-1,961.94	-1,672.36	1,247.44	1,171.19	76.26	16.359		
5,600.00	4,021.13	4,532.36	4,131.18	64.51	33.15	128.71	-1,981.33	-1,710.60	1,304.75	1,226.94	77.81	16.768		
5,700.00	4,078.38	4,609.98	4,199.07	66.01	33.93	129.50	-1,998.60	-1,744.02	1,362.18	1,283.09	79.09	17.223		
5,800.00	4,135.63	4,680.17	4,259.38	67.51	34.67	130.06	-2,014.43	-1,776.24	1,420.09	1,339.79	80.29	17.686		
5,900.00	4,192.88	4,753.51	4,321.26	69.01	35.46	130.49	-2,030.84	-1,812.01	1,478.72	1,397.05	81.67	18.105		
6,000.00	4,250.13	4,834.09	4,390.40	70.51	36.33	131.02	-2,048.43	-1,849.47	1,537.48	1,454.27	83.21	18.477		
6,100.00	4,307.39	4,908.52	4,454.24	72.02	37.11	131.48	-2,064.53	-1,884.17	1,596.49	1,511.92	84.57	18.878		
6,200.00	4,364.64	4,999.29	4,530.84	73.52	38.13	131.90	-2,084.69	-1,928.50	1,655.47	1,568.97	86.51	19.137		
6,300.00	4,421.89	5,088.84	4,605.72	75.02	39.12	132.23	-2,105.34	-1,973.05	1,713.96	1,625.54	88.42	19.384		
6,400.00	4,479.14	5,176.04	4,680.56	76.52	40.06	132.68	-2,125.16	-2,013.16	1,772.16	1,682.01	90.15	19.658		
6,500.00	4,536.39	5,255.86	4,748.16	78.02	40.93	133.00	-2,143.79	-2,051.27	1,830.20	1,738.45	91.74	19.949		
6,600.00	4,593.64	5,326.45	4,806.96	79.52	41.74	133.19	-2,160.26	-2,086.70	1,888.62	1,795.44	93.17	20.270		
6,700.00	4,650.90	5,402.14	4,869.98	81.03	42.60	133.38	-2,177.66	-2,124.84	1,947.38	1,852.61	94.76	20.550		
6,800.00	4,708.15	5,510.90	4,960.76	82.53	43.85	133.66	-2,203.06	-2,179.08	2,005.80	1,908.55	97.25	20.625		
6,900.00	4,765.40	5,590.59	5,027.59	84.03	44.74	133.87	-2,222.15	-2,218.06	2,063.60	1,964.69	98.90	20.865		
7,000.00	4,822.65	5,675.42	5,099.87	85.53	45.66	134.16	-2,242.19	-2,257.70	2,121.40	2,020.79	100.60	21.087		
7,100.00	4,879.90	5,783.69	5,193.06	87.04	46.79	134.57	-2,268.10	-2,306.33	2,178.76	2,075.97	102.79	21.196		
7,200.00	4,937.16	5,839.16	5,240.97	88.54	47.37	134.78	-2,281.52	-2,330.84	2,235.89	2,132.18	103.71	21.558		
7,300.00	4,994.41	5,892.00	5,286.40	90.04	47.92	134.96	-2,293.55	-2,355.00	2,294.29	2,189.71	104.58	21.937		
7,400.00	5,051.66	5,940.06	5,327.68	91.54	48.43	135.10	-2,303.92	-2,377.32	2,353.76	2,248.41	105.35	22.343		
7,500.00	5,108.91	5,988.00	5,369.01	93.05	48.93	135.25	-2,313.81	-2,399.50	2,414.12	2,308.02	106.09	22.755		
7,600.00	5,166.16	6,042.79	5,416.39	94.55	49.50	135.42	-2,324.49	-2,424.86	2,475.39	2,368.38	107.01	23.133		
7,700.00	5,223.42	6,102.19	5,467.84	96.05	50.13	135.59	-2,335.31	-2,452.51	2,537.62	2,429.58	108.04	23.487		
7,800.00	5,280.67	6,199.80	5,551.26	97.56	51.18	135.81	-2,353.89	-2,499.66	2,599.40	2,489.24	110.16	23.597		
7,900.00	5,337.92	6,248.13	5,592.05	99.06	51.72	135.88	-2,362.97	-2,523.93	2,661.65	2,550.64	111.01	23.977		
8,000.00	5,395.17	6,490.90	5,795.97	100.56	54.46	136.21	-2,415.26	-2,644.69	2,721.10	2,604.09	117.02	23.254		
8,100.00	5,452.42	6,562.00	5,856.05	102.07	55.25	136.33	-2,432.14	-2,678.76	2,779.16	2,660.70	118.46	23.462		
8,200.00	5,509.68	6,670.89	5,948.01	103.57	56.45	136.50	-2,458.31	-2,730.87	2,837.00	2,716.19	120.81	23.483		
8,300.00	5,566.93	6,750.62	6,014.92	105.08	57.35	136.60	-2,477.87	-2,769.56	2,894.49	2,772.00	122.49	23.630		
8,400.00	5,624.18	6,931.95	6,168.05	106.58	59.34	136.90	-2,525.89	-2,853.93	2,949.67	2,823.24	126.43	23.330		
8,500.00	5,681.43	6,981.53	6,209.46	108.08	59.90	136.96	-2,539.63	-2,877.48	3,004.58	2,877.18	127.40	23.584		
8,600.00	5,738.68	7,039.00	6,257.89	109.59	60.54	137.03	-2,554.03	-2,904.84	3,061.26	2,932.72	128.54	23.816		
8,700.00	5,795.93	7,039.00	6,257.89	111.09	60.54	137.03	-2,554.03	-2,904.84	3,118.69	2,990.39	128.29	24.309		
8,800.00	5,853.19	7,081.88	6,294.39	112.60	61.00	137.10	-2,563.77	-2,925.12	3,177.63	3,048.61	129.03	24.628		
8,900.00	5,910.44	7,134.00	6,339.09	114.10	61.56	137.18	-2,574.78	-2,949.56	3,237.68	3,107.71	129.97	24.912		
9,000.00	5,967.69	7,270.16	6,455.81	115.60	63.02	137.40	-2,604.38	-3,013.11	3,297.43	3,164.51	132.92	24.808		
9,100.00	6,024.94	7,351.07	6,524.42	117.11	63.90	137.50	-2,623.06	-3,051.70	3,356.09	3,221.50	134.59	24.937		
9,200.00	6,082.19	7,420.00	6,583.33	118.61	64.65	137.59	-2,638.44	-3,084.02	3,415.28	3,279.33	135.95	25.122		
9,300.00	6,139.45	7,449.60	6,608.75	120.12	64.97	137.64	-2,644.76	-3,097.81	3,475.08	3,338.71	136.36	25.484		
9,400.00	6,196.70	7,490.82	6,644.05	121.62	65.41	137.69	-2,653.23	-3,117.34	3,535.80	3,398.75	137.05	25.799		
9,500.00	6,253.95	7,576.21	6,716.49	123.13	66.36	137.77	-2,670.21	-3,159.23	3,597.19	3,458.30	138.89	25.900		
9,600.00	6,311.20	7,655.35	6,781.59	124.63	67.33	137.76	-2,686.78	-3,201.03	3,658.01	3,517.28	140.74	25.992		
9,700.00	6,368.45	7,707.00	6,821.50	126.13	68.00	137.68	-2,697.63	-3,231.95	3,719.28	3,577.32	141.96	26.200		
9,800.00	6,425.71	7,744.80	6,849.11	127.64	68.58	137.56	-2,705.37	-3,256.57	3,781.29	3,638.38	142.91	26.460		
9,900.00	6,482.96	7,802.00	6,888.02	129.14	69.46	137.32	-2,716.39	-3,296.99	3,844.37	3,699.79	144.59	26.589		
10,000.00	6,540.21	7,802.00	6,888.02	130.65	69.46	137.32	-2,716.39	-3,296.99	3,908.07	3,763.86	144.21	27.100		
10,100.00	6,597.46	7,844.50	6,914.45	132.15	70.21	137.08	-2,724.04	-3,329.37	3,972.75	3,827.25	145.50	27.304		
10,200.00	6,654.71	7,898.00	6,944.34	133.66	71.15	136.70	-2,732.99	-3,372.81	4,038.47	3,891.18	147.29	27.419		
10,300.00	6,711.97	7,898.00	6,944.34	135.16	71.15	136.70	-2,732.99	-3,372.81	4,104.80	3,957.95	146.85	27.952		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,769.19	7,929.65	6,960.45	136.67	71.76	134.76	-2,737.87	-3,399.61	4,172.10	4,024.31	147.79	28.230		
10,500.00	6,824.05	7,956.44	6,973.40	138.22	72.27	121.52	-2,741.71	-3,422.74	4,235.92	4,087.50	148.42	28.540		
10,600.00	6,873.81	7,993.00	6,990.06	139.81	72.98	110.98	-2,746.53	-3,454.92	4,292.14	4,142.76	149.38	28.734		
10,700.00	6,916.95	7,993.00	6,990.06	141.38	72.98	102.98	-2,746.53	-3,454.92	4,339.35	4,190.80	148.56	29.210		
10,800.00	6,952.17	8,057.04	7,015.70	142.87	74.27	97.15	-2,753.89	-3,513.12	4,375.68	4,224.97	150.70	29.035		
10,900.00	6,978.39	8,089.00	7,026.58	144.24	74.92	93.28	-2,757.09	-3,543.00	4,400.80	4,249.51	151.29	29.088		
11,000.00	6,994.82	8,142.09	7,043.18	145.43	76.03	91.22	-2,761.76	-3,593.21	4,413.74	4,260.80	152.95	28.858		
11,100.00	7,000.96	8,184.00	7,055.72	146.41	76.91	90.83	-2,764.94	-3,633.07	4,414.20	4,260.13	154.07	28.651		
11,200.00	7,001.00	8,225.02	7,066.15	147.26	77.78	90.99	-2,767.55	-3,672.65	4,407.98	4,252.78	155.20	28.402		
11,300.00	7,001.00	8,280.00	7,075.07	148.14	78.95	91.11	-2,770.12	-3,726.81	4,403.19	4,246.11	157.07	28.032		
11,400.00	7,001.00	8,280.00	7,075.07	149.06	78.95	91.11	-2,770.12	-3,726.81	4,399.80	4,243.68	156.12	28.182		
11,500.00	7,001.00	8,343.53	7,080.47	150.00	80.31	91.18	-2,771.72	-3,790.08	4,397.52	4,239.03	158.50	27.745		
11,600.00	7,001.00	8,485.61	7,082.46	150.97	83.37	91.21	-2,773.42	-3,932.09	4,396.43	4,231.41	165.02	26.642		
11,700.00	7,001.00	8,566.00	7,080.07	151.97	85.13	91.17	-2,775.31	-4,012.42	4,393.94	4,225.60	168.34	26.102		
11,800.00	7,001.00	8,624.34	7,078.10	153.00	86.41	91.15	-2,776.28	-4,070.72	4,392.24	4,221.70	170.54	25.755		
11,879.69	7,001.00	8,661.00	7,077.01	153.84	87.22	91.14	-2,776.35	-4,107.36	4,391.87	4,220.09	171.78	25.566		
11,900.00	7,001.00	8,675.33	7,076.59	154.06	87.54	91.13	-2,776.30	-4,121.68	4,391.90	4,219.53	172.37	25.480		
12,000.00	7,001.00	8,757.00	7,073.51	155.15	89.35	91.09	-2,776.03	-4,203.30	4,392.04	4,216.17	175.87	24.974		
12,100.00	7,001.00	8,821.68	7,071.62	156.27	90.80	91.06	-2,775.43	-4,267.94	4,392.83	4,214.34	178.49	24.611		
12,200.00	7,001.00	8,902.23	7,071.30	157.43	92.61	91.06	-2,773.84	-4,348.47	4,394.59	4,212.57	182.03	24.143		
12,300.00	7,001.00	9,112.65	7,067.82	158.61	97.44	91.01	-2,772.56	-4,558.85	4,394.87	4,202.17	192.70	22.807		
12,400.00	7,001.00	9,219.49	7,068.25	159.82	99.95	91.02	-2,773.25	-4,665.69	4,394.07	4,196.28	197.78	22.217		
12,500.00	7,001.00	9,329.00	7,067.53	161.07	102.53	91.01	-2,774.47	-4,775.19	4,392.75	4,189.71	203.04	21.634		
12,600.00	7,001.00	9,425.00	7,066.14	162.34	104.82	90.99	-2,775.30	-4,871.17	4,391.70	4,184.11	207.59	21.155		
12,700.00	7,001.00	9,521.89	7,064.14	163.64	107.13	90.97	-2,775.69	-4,968.04	4,391.09	4,178.87	212.22	20.691		
12,800.00	7,001.00	9,629.55	7,064.79	164.98	109.73	90.98	-2,776.69	-5,075.68	4,390.01	4,172.52	217.49	20.185		
12,900.00	7,001.00	9,712.00	7,066.47	166.34	111.74	91.00	-2,777.19	-5,158.11	4,389.25	4,167.85	221.40	19.825		
13,000.00	7,001.00	9,792.92	7,067.33	167.74	113.71	91.01	-2,777.33	-5,239.02	4,388.90	4,163.66	225.24	19.485		
13,100.00	7,001.00	9,998.00	7,066.46	169.16	118.75	91.00	-2,781.19	-5,444.05	4,386.23	4,150.25	235.98	18.588		
13,200.00	7,001.00	10,075.05	7,064.48	170.61	120.66	90.97	-2,783.08	-5,521.05	4,383.62	4,143.98	239.64	18.292		
13,300.00	7,001.00	10,154.57	7,062.32	172.10	122.63	90.95	-2,784.37	-5,600.53	4,381.79	4,138.33	243.46	17.998		
13,400.00	7,001.00	10,250.45	7,062.09	173.61	125.02	90.94	-2,785.72	-5,696.40	4,380.21	4,131.99	248.22	17.647		
13,500.00	7,001.00	10,336.98	7,060.73	175.15	127.18	90.93	-2,786.84	-5,782.91	4,378.74	4,126.27	252.47	17.344		
13,599.23	7,001.00	10,381.00	7,059.61	176.71	128.28	90.91	-2,787.25	-5,826.91	4,377.90	4,123.55	254.35	17.212		
13,600.00	7,001.00	10,381.00	7,059.61	176.72	128.28	90.91	-2,787.25	-5,826.91	4,377.90	4,123.56	254.34	17.213		
13,628.44	7,001.00	10,410.22	7,058.93	177.17	129.01	90.90	-2,787.33	-5,856.13	4,377.75	4,121.94	255.81	17.113		
13,700.00	7,001.00	10,439.04	7,058.61	178.31	129.73	90.90	-2,787.14	-5,884.95	4,378.10	4,121.10	257.00	17.036		
13,800.00	7,001.00	10,484.98	7,058.74	179.94	130.88	90.90	-2,786.28	-5,930.88	4,379.75	4,120.79	258.96	16.913		
13,900.00	7,001.00	10,588.04	7,058.52	181.59	133.47	90.90	-2,783.92	-6,033.90	4,381.87	4,117.67	264.21	16.585		
14,000.00	7,001.00	10,723.84	7,057.00	183.26	136.88	90.88	-2,781.03	-6,169.65	4,383.90	4,112.56	271.34	16.157		
14,100.00	7,001.00	10,932.33	7,061.52	184.97	142.18	90.93	-2,780.58	-6,378.07	4,383.99	4,101.39	282.59	15.513		
14,200.00	7,001.00	11,016.43	7,063.16	186.70	144.33	90.96	-2,781.48	-6,462.15	4,382.83	4,096.00	286.83	15.280		
14,294.47	7,001.00	11,076.46	7,063.54	188.35	145.87	90.96	-2,781.64	-6,522.17	4,382.44	4,092.71	289.73	15.126		
14,300.00	7,001.00	11,079.80	7,063.54	188.45	145.95	90.96	-2,781.64	-6,525.52	4,382.44	4,092.56	289.89	15.118		
14,400.00	7,001.00	11,146.00	7,062.97	190.23	147.64	90.95	-2,781.16	-6,591.71	4,382.95	4,089.85	293.10	14.954		
14,500.00	7,001.00	11,394.66	7,062.75	192.03	154.03	90.95	-2,782.98	-6,840.25	4,382.03	4,075.44	306.58	14.293		
14,600.00	7,001.00	11,480.71	7,064.04	193.86	156.26	90.97	-2,784.78	-6,926.26	4,379.77	4,068.80	310.98	14.084		
14,700.00	7,001.00	11,567.65	7,063.42	195.71	158.50	90.96	-2,786.60	-7,013.18	4,377.53	4,062.11	315.41	13.879		
14,800.00	7,001.00	11,670.72	7,061.32	197.58	161.17	90.93	-2,788.10	-7,116.22	4,375.89	4,055.14	320.75	13.643		
14,900.00	7,001.00	11,796.91	7,064.25	199.47	164.45	90.97	-2,791.18	-7,242.33	4,373.26	4,045.86	327.40	13.358		
15,000.00	7,001.00	11,905.02	7,067.01	201.39	167.26	91.01	-2,793.96	-7,350.37	4,370.57	4,037.53	333.05	13.123		
15,100.00	7,001.00	12,005.00	7,069.76	203.32	169.87	91.05	-2,797.61	-7,450.24	4,366.81	4,028.55	338.25	12.910		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,200.00	7,001.00	12,058.65	7,070.90	205.28	171.27	91.06	-2,799.31	-7,503.85	4,363.99	4,023.09	340.90	12.801		
15,300.00	7,001.00	12,136.78	7,071.32	207.25	173.31	91.07	-2,799.86	-7,581.97	4,362.99	4,018.10	344.89	12.650		
15,400.00	7,001.00	12,361.29	7,070.70	209.25	179.18	91.06	-2,807.02	-7,806.34	4,358.79	4,001.83	356.96	12.211		
15,500.00	7,001.00	12,424.46	7,069.52	211.26	180.84	91.05	-2,809.26	-7,869.46	4,355.07	3,994.89	360.18	12.091		
15,600.00	7,001.00	12,481.00	7,069.56	213.30	182.32	91.05	-2,810.74	-7,925.98	4,352.30	3,989.28	363.03	11.989		
15,700.00	7,001.00	12,519.67	7,069.99	215.35	183.33	91.05	-2,811.29	-7,964.64	4,350.74	3,985.90	364.84	11.925		
15,759.50	7,001.00	12,542.24	7,070.24	216.58	183.92	91.06	-2,811.36	-7,987.21	4,350.49	3,984.62	365.87	11.891		
15,800.00	7,001.00	12,577.00	7,070.61	217.42	184.83	91.06	-2,811.08	-8,021.97	4,350.72	3,983.05	367.67	11.833		
15,900.00	7,001.00	12,577.00	7,070.61	219.50	184.83	91.06	-2,811.08	-8,021.97	4,352.00	3,984.87	367.13	11.854		
16,000.00	7,001.00	12,643.45	7,071.52	221.60	186.57	91.07	-2,809.49	-8,088.39	4,354.45	3,984.03	370.42	11.755		
16,100.00	7,001.00	12,745.47	7,073.22	223.72	189.24	91.09	-2,805.70	-8,190.32	4,358.04	3,982.22	375.82	11.596		
16,200.00	7,001.00	12,900.63	7,075.93	225.85	193.31	91.13	-2,802.43	-8,345.42	4,359.73	3,975.37	384.36	11.343		
16,300.00	7,001.00	12,958.00	7,077.07	228.00	194.81	91.14	-2,800.91	-8,402.76	4,362.19	3,975.06	387.14	11.268		
16,400.00	7,001.00	13,090.13	7,079.90	230.16	198.29	91.18	-2,797.21	-8,534.81	4,364.93	3,970.61	394.32	11.069		
16,500.00	7,001.00	13,198.73	7,082.08	232.34	201.15	91.21	-2,795.12	-8,643.36	4,366.72	3,966.59	400.13	10.913		
16,600.00	7,001.00	13,383.65	7,077.12	234.53	206.01	91.14	-2,792.37	-8,828.17	4,368.25	3,957.96	410.29	10.647		
16,700.00	7,001.00	13,504.03	7,071.32	236.73	209.19	91.07	-2,792.58	-8,948.41	4,367.78	3,951.07	416.71	10.482		
16,800.00	7,001.00	13,670.34	7,061.13	238.95	213.57	90.93	-2,794.31	-9,114.40	4,366.42	3,940.78	425.64	10.258		
16,900.00	7,001.00	13,768.36	7,053.94	241.18	216.16	90.84	-2,795.97	-9,212.13	4,364.45	3,933.65	430.80	10.131		
17,000.00	7,001.00	13,816.00	7,050.92	243.42	217.41	90.80	-2,796.76	-9,259.68	4,362.84	3,929.67	433.17	10.072		
17,100.00	7,001.00	14,088.33	7,031.88	245.67	224.60	90.55	-2,801.97	-9,531.24	4,361.61	3,913.88	447.73	9.742		
17,200.00	7,001.00	14,165.41	7,025.92	247.93	226.64	90.47	-2,805.41	-9,608.01	4,356.96	3,905.17	451.79	9.644		
17,300.00	7,001.00	14,323.99	7,011.42	250.21	230.82	90.28	-2,812.32	-9,765.76	4,352.49	3,892.43	460.06	9.461		
17,400.00	7,001.00	14,387.00	7,006.75	252.50	232.49	90.22	-2,815.60	-9,828.51	4,347.21	3,883.80	463.41	9.381		
17,500.00	7,001.00	14,445.60	7,002.63	254.79	234.04	90.17	-2,818.12	-9,886.91	4,342.86	3,876.35	466.51	9.309		
17,600.00	7,001.00	14,494.98	6,998.61	257.10	235.34	90.11	-2,819.50	-9,936.11	4,339.82	3,870.75	469.07	9.252		
17,700.00	7,001.00	14,578.00	6,991.12	259.42	237.54	90.01	-2,821.17	-10,018.77	4,337.62	3,864.21	473.41	9.162		
17,800.00	7,001.00	14,771.00	6,971.07	261.74	242.63	89.75	-2,827.45	-10,210.62	4,333.98	3,850.38	483.59	8.962		
17,900.00	7,001.00	14,812.07	6,966.58	264.08	243.71	89.69	-2,828.83	-10,251.42	4,330.46	3,844.72	485.73	8.915		
18,000.00	7,001.00	14,903.36	6,957.79	266.42	246.13	89.57	-2,830.82	-10,342.26	4,328.13	3,837.61	490.52	8.824		
18,100.00	7,001.00	15,056.00	6,944.92	268.78	250.17	89.40	-2,835.99	-10,494.25	4,324.52	3,825.93	498.58	8.674		
18,200.00	7,001.00	15,113.99	6,941.16	271.14	251.71	89.35	-2,837.90	-10,552.09	4,321.14	3,819.50	501.64	8.614		
18,300.00	7,001.00	15,199.31	6,934.53	273.51	253.98	89.26	-2,839.93	-10,637.12	4,318.65	3,812.52	506.13	8.533		
18,400.00	7,001.00	15,444.00	6,907.84	275.89	260.44	88.91	-2,850.04	-10,880.10	4,314.57	3,795.73	518.84	8.316		
18,500.00	7,001.00	15,444.00	6,907.84	278.27	260.44	88.91	-2,850.04	-10,880.10	4,309.88	3,790.92	518.96	8.305		
18,600.00	7,001.00	15,444.00	6,907.84	280.67	260.44	88.91	-2,850.04	-10,880.10	4,307.51	3,788.68	518.83	8.302		
18,652.30	7,001.00	15,444.00	6,907.84	281.92	260.44	88.91	-2,850.04	-10,880.10	4,307.19	3,788.53	518.66	8.304		
18,700.00	7,001.00	15,444.00	6,907.84	283.07	260.44	88.91	-2,850.04	-10,880.10	4,307.45	3,789.01	518.44	8.308		
18,800.00	7,001.00	15,444.00	6,907.84	285.48	260.44	88.91	-2,850.04	-10,880.10	4,309.72	3,791.92	517.80	8.323		
18,900.00	7,001.00	15,444.00	6,907.84	287.89	260.44	88.91	-2,850.04	-10,880.10	4,314.31	3,797.41	516.90	8.347		
19,000.00	7,001.00	15,444.00	6,907.84	290.31	260.44	88.91	-2,850.04	-10,880.10	4,321.20	3,805.45	515.75	8.378		
19,100.00	7,001.00	15,444.00	6,907.84	292.74	260.44	88.91	-2,850.04	-10,880.10	4,330.39	3,816.04	514.35	8.419		
19,200.00	7,001.00	15,444.00	6,907.84	295.17	260.44	88.91	-2,850.04	-10,880.10	4,341.87	3,829.16	512.72	8.468		
19,300.00	7,001.00	15,444.00	6,907.84	297.61	260.44	88.91	-2,850.04	-10,880.10	4,355.62	3,844.77	510.85	8.526		
19,400.00	7,001.00	15,444.00	6,907.84	300.06	260.44	88.91	-2,850.04	-10,880.10	4,371.61	3,862.86	508.75	8.593		
19,500.00	7,001.00	15,444.00	6,907.84	302.51	260.44	88.91	-2,850.04	-10,880.10	4,389.81	3,883.39	506.43	8.668		
19,600.00	7,001.00	15,444.00	6,907.84	304.97	260.44	88.91	-2,850.04	-10,880.10	4,410.22	3,906.31	503.90	8.752		
19,700.00	7,001.00	15,444.00	6,907.84	307.43	260.44	88.91	-2,850.04	-10,880.10	4,432.78	3,931.60	501.18	8.845		
19,800.00	7,001.00	15,444.00	6,907.84	309.90	260.44	88.91	-2,850.04	-10,880.10	4,457.48	3,959.21	498.26	8.946		
19,900.00	7,001.00	15,444.00	6,907.84	312.38	260.44	88.91	-2,850.04	-10,880.10	4,484.27	3,989.09	495.17	9.056		
20,000.00	7,001.00	15,444.00	6,907.84	314.85	260.44	88.91	-2,850.04	-10,880.10	4,513.11	4,021.20	491.92	9.175		
20,100.00	7,001.00	15,444.00	6,907.84	317.34	260.44	88.91	-2,850.04	-10,880.10	4,543.98	4,055.47	488.50	9.302		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ICE MAN 2W-15-2N - ORIGINAL WELLBORE - WB #1 - PATT 901												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,200.00	7,001.00	15,444.00	6,907.84	319.83	260.44	88.91	-2,850.04	-10,880.10	4,576.82	4,091.87	484.95	9.438	
20,300.00	7,001.00	15,444.00	6,907.84	322.32	260.44	88.91	-2,850.04	-10,880.10	4,611.59	4,130.33	481.27	9.582	
20,400.00	7,001.00	15,444.00	6,907.84	324.82	260.44	88.91	-2,850.04	-10,880.10	4,648.26	4,170.80	477.47	9.735	
20,500.00	7,001.00	15,444.00	6,907.84	327.32	260.44	88.91	-2,850.04	-10,880.10	4,686.78	4,213.22	473.56	9.897	
20,600.00	7,001.00	15,444.00	6,907.84	329.83	260.44	88.91	-2,850.04	-10,880.10	4,727.09	4,257.54	469.55	10.067	
20,700.00	7,001.00	15,444.00	6,907.84	332.34	260.44	88.91	-2,850.04	-10,880.10	4,769.17	4,303.70	465.47	10.246	
20,800.00	7,001.00	15,444.00	6,907.84	334.85	260.44	88.91	-2,850.04	-10,880.10	4,812.95	4,351.64	461.31	10.433	
20,900.00	7,001.00	15,444.00	6,907.84	337.37	260.44	88.91	-2,850.04	-10,880.10	4,858.40	4,401.31	457.09	10.629	
21,000.00	7,001.00	15,444.00	6,907.84	339.89	260.44	88.91	-2,850.04	-10,880.10	4,905.46	4,452.65	452.81	10.833	
21,100.00	7,001.00	15,444.00	6,907.84	342.42	260.44	88.91	-2,850.04	-10,880.10	4,954.10	4,505.60	448.50	11.046	
21,200.00	7,001.00	15,444.00	6,907.84	344.95	260.44	88.91	-2,850.04	-10,880.10	5,004.26	4,560.11	444.15	11.267	
21,300.00	7,001.00	15,444.00	6,907.84	347.48	260.44	88.91	-2,850.04	-10,880.10	5,055.91	4,616.13	439.78	11.497	
21,400.00	7,001.00	15,444.00	6,907.84	350.02	260.44	88.91	-2,850.04	-10,880.10	5,108.98	4,673.59	435.39	11.734	
21,500.00	7,001.00	15,444.00	6,907.84	352.56	260.44	88.91	-2,850.04	-10,880.10	5,163.45	4,732.46	431.00	11.980	
21,600.00	7,001.00	15,444.00	6,907.84	355.10	260.44	88.91	-2,850.04	-10,880.10	5,219.27	4,792.67	426.60	12.235	
21,700.00	7,001.00	15,444.00	6,907.84	357.65	260.44	88.91	-2,850.04	-10,880.10	5,276.39	4,854.19	422.21	12.497	
21,800.00	7,001.00	15,444.00	6,907.84	360.20	260.44	88.91	-2,850.04	-10,880.10	5,334.78	4,916.95	417.83	12.768	
21,818.56	7,001.00	15,444.00	6,907.84	360.67	260.44	88.91	-2,850.04	-10,880.10	5,345.75	4,928.73	417.02	12.819	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	88.48	88.47	0.27	0.13	-166.48	-1,355.72	-325.87	1,394.33	1,393.94	0.39	3,552.217		
200.00	199.98	190.76	190.75	0.62	0.40	-8.76	-1,356.03	-324.56	1,392.60	1,391.59	1.02	1,370.444		
300.00	299.84	302.92	302.90	0.97	0.79	-8.83	-1,355.55	-324.20	1,386.96	1,385.18	1.77	783.165		
400.00	399.45	401.60	401.58	1.34	1.14	-8.90	-1,354.47	-324.18	1,377.27	1,374.79	2.48	555.109		
500.00	498.70	500.83	500.81	1.74	1.49	-9.03	-1,353.61	-323.76	1,364.30	1,361.10	3.20	426.078		
600.00	597.47	588.23	588.20	2.17	1.80	-9.21	-1,353.28	-322.91	1,348.28	1,344.39	3.88	347.289		
700.00	695.62	677.72	677.68	2.62	2.12	-9.42	-1,353.64	-322.25	1,329.66	1,325.09	4.57	291.045		
800.00	793.06	763.59	763.55	3.12	2.41	-9.63	-1,354.36	-322.64	1,308.37	1,303.13	5.24	249.621		
900.00	889.64	850.88	850.81	3.65	2.70	-9.82	-1,355.61	-324.41	1,284.61	1,278.69	5.92	216.814		
1,000.00	985.27	934.33	934.21	4.23	2.99	-10.02	-1,357.31	-326.63	1,258.26	1,251.66	6.60	190.505		
1,100.00	1,079.82	1,013.56	1,013.29	4.85	3.27	-10.16	-1,359.46	-331.00	1,229.84	1,222.56	7.28	168.905		
1,200.00	1,173.17	1,082.00	1,081.47	5.52	3.51	-10.25	-1,361.79	-336.54	1,199.45	1,191.52	7.93	151.230		
1,300.00	1,265.21	1,164.58	1,163.50	6.24	3.81	-10.27	-1,365.50	-345.24	1,167.26	1,158.62	8.65	135.005		
1,400.00	1,355.84	1,249.94	1,248.07	7.01	4.13	-10.25	-1,370.33	-355.80	1,133.21	1,123.83	9.39	120.742		
1,500.00	1,444.94	1,317.42	1,314.79	7.82	4.39	-10.25	-1,374.76	-364.84	1,097.10	1,087.02	10.08	108.877		
1,600.00	1,532.39	1,382.11	1,378.40	8.69	4.65	-10.22	-1,380.59	-375.03	1,060.41	1,049.64	10.77	98.456		
1,700.00	1,618.11	1,462.00	1,456.67	9.61	4.98	-10.12	-1,388.95	-388.69	1,022.22	1,010.69	11.54	88.613		
1,800.00	1,701.97	1,529.02	1,522.03	10.58	5.28	-10.02	-1,396.95	-401.14	982.56	970.29	12.27	80.078		
1,900.00	1,783.88	1,597.87	1,588.75	11.59	5.60	-9.88	-1,406.59	-415.15	942.02	929.00	13.03	72.322		
2,000.00	1,863.74	1,671.94	1,660.14	12.66	5.96	-9.68	-1,418.24	-431.08	900.24	886.42	13.81	65.166		
2,100.00	1,941.45	1,758.47	1,742.80	13.77	6.41	-9.20	-1,431.90	-452.66	856.32	841.65	14.67	58.369		
2,200.00	2,016.92	1,826.63	1,807.05	14.94	6.81	-8.60	-1,442.63	-472.73	810.63	795.16	15.47	52.388		
2,300.00	2,090.05	1,896.56	1,871.94	16.14	7.24	-7.72	-1,454.54	-495.88	764.24	747.95	16.29	46.908		
2,400.00	2,160.76	1,967.29	1,936.64	17.40	7.71	-6.54	-1,467.22	-521.49	716.92	699.81	17.12	41.879		
2,500.00	2,228.95	2,034.45	1,997.04	18.69	8.20	-5.09	-1,480.07	-547.89	669.16	651.23	17.93	37.312		
2,600.00	2,294.55	2,097.58	2,052.75	20.03	8.70	-3.40	-1,493.22	-574.49	621.60	602.88	18.73	33.194		
2,700.00	2,357.48	2,161.76	2,108.25	21.41	9.24	-1.32	-1,508.16	-603.05	574.97	555.46	19.51	29.472		
2,800.00	2,417.66	2,230.07	2,166.25	22.83	9.85	1.34	-1,525.43	-634.73	529.16	508.84	20.32	26.040		
2,900.00	2,475.32	2,316.07	2,238.75	24.29	10.66	5.30	-1,548.13	-675.03	483.52	462.16	21.35	22.645		
3,000.00	2,532.58	2,405.14	2,314.61	25.75	11.51	10.02	-1,571.40	-715.50	438.67	416.10	22.57	19.437		
3,100.00	2,589.83	2,493.46	2,390.60	27.22	12.34	15.51	-1,594.04	-754.39	395.49	371.41	24.08	16.424		
3,200.00	2,647.08	2,574.01	2,460.27	28.70	13.11	21.46	-1,614.30	-789.38	355.41	329.44	25.96	13.688		
3,300.00	2,704.33	2,654.28	2,529.04	30.17	13.89	28.69	-1,633.78	-825.89	321.67	293.06	28.61	11.242		
3,400.00	2,761.58	2,735.53	2,598.97	31.65	14.70	37.07	-1,653.27	-862.39	294.90	262.64	32.26	9.142		
3,500.00	2,818.84	2,811.00	2,662.75	33.13	15.47	45.66	-1,671.95	-898.14	280.22	243.59	36.63	7.650		
3,559.65	2,852.99	2,852.11	2,696.94	34.02	15.91	50.48	-1,682.34	-918.45	277.98	238.69	39.29	7.076 CC		
3,600.00	2,876.09	2,884.55	2,723.88	34.62	16.26	54.29	-1,690.56	-934.56	278.97	237.66	41.32	6.752 ES		
3,700.00	2,933.34	2,970.04	2,794.98	36.10	17.19	64.09	-1,712.14	-976.82	289.24	242.88	46.36	6.239		
3,800.00	2,990.59	3,057.34	2,868.49	37.59	18.12	73.50	-1,733.85	-1,018.61	308.57	257.82	50.75	6.080 SF		
3,900.00	3,047.84	3,141.27	2,939.87	39.08	19.00	81.70	-1,754.54	-1,057.61	335.64	281.59	54.06	6.209		
4,000.00	3,105.10	3,225.45	3,010.76	40.57	19.90	88.62	-1,776.74	-1,097.22	369.39	312.79	56.61	6.526		
4,100.00	3,162.35	3,312.13	3,083.82	42.06	20.82	94.67	-1,800.15	-1,137.55	407.40	348.63	58.77	6.932		
4,200.00	3,219.60	3,398.55	3,157.42	43.55	21.72	99.95	-1,823.15	-1,176.57	448.47	387.91	60.56	7.405		
4,300.00	3,276.85	3,485.76	3,232.86	45.05	22.60	104.71	-1,845.64	-1,214.10	491.83	429.74	62.09	7.921		
4,400.00	3,334.10	3,574.76	3,310.22	46.54	23.48	108.92	-1,868.98	-1,251.38	536.82	473.31	63.51	8.452		
4,500.00	3,391.35	3,659.28	3,383.22	48.03	24.33	112.24	-1,892.15	-1,287.14	583.13	518.38	64.75	9.006		
4,600.00	3,448.61	3,731.98	3,445.35	49.53	25.09	114.60	-1,912.28	-1,319.08	631.35	565.71	65.64	9.619		
4,700.00	3,505.86	3,809.52	3,510.91	51.03	25.91	116.68	-1,933.13	-1,354.83	681.97	615.21	66.76	10.215		
4,800.00	3,563.11	3,896.08	3,584.65	52.52	26.84	118.80	-1,956.03	-1,393.96	733.35	665.15	68.20	10.753		
4,900.00	3,620.36	3,986.18	3,660.56	54.02	27.81	120.58	-1,981.12	-1,435.52	784.59	714.76	69.83	11.236		
5,000.00	3,677.61	4,072.46	3,732.86	55.52	28.76	122.03	-2,005.74	-1,475.65	835.86	764.48	71.38	11.710		
5,100.00	3,734.87	4,159.21	3,805.44	57.02	29.72	123.31	-2,030.75	-1,516.05	887.26	814.30	72.97	12.160		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,792.12	4,250.24	3,881.43	58.51	30.73	124.49	-2,057.51	-1,558.42	938.49	863.78	74.71	12.562		
5,300.00	3,849.37	4,338.13	3,954.64	60.01	31.71	125.49	-2,083.80	-1,599.32	989.51	913.14	76.37	12.956		
5,400.00	3,906.62	4,424.49	4,026.91	61.51	32.66	126.42	-2,109.66	-1,638.91	1,040.54	962.57	77.97	13.345		
5,500.00	3,963.87	4,508.09	4,098.05	63.01	33.53	127.37	-2,134.14	-1,675.35	1,091.73	1,012.35	79.38	13.754		
5,600.00	4,021.13	4,580.69	4,160.95	64.51	34.27	128.26	-2,154.57	-1,705.31	1,143.55	1,063.15	80.40	14.223		
5,700.00	4,078.38	4,648.91	4,220.07	66.01	34.96	129.02	-2,173.00	-1,733.92	1,196.66	1,115.33	81.33	14.713		
5,800.00	4,135.63	4,722.00	4,282.83	67.51	35.72	129.71	-2,192.18	-1,766.08	1,251.03	1,168.55	82.48	15.169		
5,900.00	4,192.88	4,802.06	4,351.54	69.01	36.55	130.39	-2,212.86	-1,801.59	1,305.97	1,222.13	83.84	15.577		
6,000.00	4,250.13	4,904.26	4,438.75	70.51	37.64	131.14	-2,240.18	-1,847.33	1,360.40	1,274.53	85.87	15.843		
6,100.00	4,307.39	4,992.99	4,512.98	72.02	38.63	131.62	-2,265.25	-1,888.96	1,414.04	1,326.40	87.64	16.135		
6,200.00	4,364.64	5,069.89	4,577.90	73.52	39.46	132.06	-2,286.74	-1,924.11	1,467.78	1,378.75	89.03	16.487		
6,300.00	4,421.89	5,179.01	4,670.75	75.02	40.64	132.69	-2,317.12	-1,972.73	1,521.60	1,430.36	91.24	16.678		
6,400.00	4,479.14	5,275.23	4,751.44	76.52	41.69	133.13	-2,345.85	-2,016.57	1,573.82	1,480.66	93.16	16.894		
6,500.00	4,536.39	5,368.66	4,830.73	78.02	42.69	133.61	-2,373.79	-2,057.31	1,625.77	1,530.85	94.92	17.127		
6,600.00	4,593.64	5,458.14	4,907.44	79.52	43.61	134.10	-2,400.67	-2,094.74	1,677.38	1,580.88	96.50	17.381		
6,700.00	4,650.90	5,535.27	4,973.99	81.03	44.40	134.54	-2,423.74	-2,126.16	1,729.04	1,631.26	97.77	17.684		
6,800.00	4,708.15	5,605.00	5,033.69	82.53	45.12	134.87	-2,444.05	-2,155.92	1,781.67	1,682.74	98.93	18.009		
6,900.00	4,765.40	5,653.42	5,074.88	84.03	45.64	135.06	-2,457.63	-2,177.45	1,835.47	1,735.85	99.62	18.425		
7,000.00	4,822.65	5,711.18	5,123.97	85.53	46.26	135.27	-2,473.06	-2,203.68	1,890.62	1,790.08	100.54	18.804		
7,100.00	4,879.90	5,791.77	5,193.31	87.04	47.10	135.59	-2,493.92	-2,239.05	1,946.34	1,844.34	102.00	19.082		
7,200.00	4,937.16	5,850.08	5,244.08	88.54	47.68	135.86	-2,508.52	-2,263.73	2,002.63	1,899.78	102.85	19.472		
7,300.00	4,994.41	5,892.00	5,280.65	90.04	48.10	136.04	-2,518.57	-2,281.58	2,060.06	1,956.79	103.28	19.947		
7,400.00	5,051.66	5,957.60	5,337.56	91.54	48.78	136.28	-2,533.58	-2,310.54	2,118.49	2,014.13	104.36	20.300		
7,500.00	5,108.91	6,097.43	5,455.42	93.05	50.32	136.55	-2,566.10	-2,378.32	2,177.42	2,069.77	107.65	20.226		
7,600.00	5,166.16	6,208.96	5,549.08	94.55	51.57	136.75	-2,595.01	-2,431.51	2,233.65	2,123.52	110.13	20.282		
7,700.00	5,223.42	6,300.28	5,626.17	96.05	52.57	136.94	-2,619.17	-2,474.07	2,289.36	2,177.36	112.01	20.439		
7,800.00	5,280.67	6,393.12	5,704.72	97.56	53.59	137.13	-2,644.31	-2,516.72	2,344.47	2,230.57	113.90	20.583		
7,900.00	5,337.92	6,465.00	5,765.16	99.06	54.39	137.25	-2,663.49	-2,550.56	2,400.02	2,284.72	115.31	20.814		
8,000.00	5,395.17	6,530.13	5,819.69	100.56	55.12	137.34	-2,680.56	-2,581.83	2,456.06	2,339.49	116.57	21.069		
8,100.00	5,452.42	6,612.09	5,888.15	102.07	56.06	137.43	-2,701.96	-2,621.48	2,512.27	2,393.97	118.30	21.236		
8,200.00	5,509.68	6,695.83	5,957.31	103.57	57.02	137.49	-2,724.00	-2,663.22	2,568.43	2,448.30	120.13	21.381		
8,300.00	5,566.93	6,776.38	6,024.36	105.08	57.94	137.56	-2,745.11	-2,702.56	2,624.60	2,502.77	121.83	21.543		
8,400.00	5,624.18	6,854.69	6,090.90	106.58	58.80	137.70	-2,765.26	-2,738.60	2,680.93	2,557.56	123.37	21.731		
8,500.00	5,681.43	6,943.00	6,166.33	108.08	59.74	137.88	-2,788.18	-2,778.39	2,736.97	2,611.86	125.11	21.876		
8,600.00	5,738.68	7,016.23	6,228.02	109.59	60.56	137.97	-2,807.31	-2,812.89	2,793.11	2,666.54	126.58	22.067		
8,700.00	5,795.93	7,097.87	6,295.89	111.09	61.49	138.02	-2,828.33	-2,853.11	2,849.72	2,721.40	128.32	22.208		
8,800.00	5,853.19	7,184.60	6,368.78	112.60	62.45	138.12	-2,850.72	-2,894.42	2,906.14	2,776.00	130.14	22.331		
8,900.00	5,910.44	7,257.68	6,431.53	114.10	63.21	138.26	-2,869.34	-2,926.91	2,962.60	2,831.11	131.49	22.531		
9,000.00	5,967.69	7,325.00	6,491.10	115.60	63.87	138.46	-2,885.71	-2,953.62	3,019.57	2,887.02	132.56	22.780		
9,100.00	6,024.94	7,357.97	6,520.83	117.11	64.15	138.59	-2,893.27	-2,965.69	3,077.38	2,944.57	132.81	23.172		
9,200.00	6,082.19	7,420.00	6,577.45	118.61	64.67	138.85	-2,906.26	-2,987.46	3,136.62	3,003.03	133.60	23.479		
9,300.00	6,139.45	7,436.01	6,592.16	120.12	64.80	138.92	-2,909.40	-2,992.94	3,196.52	3,063.07	133.46	23.952		
9,400.00	6,196.70	7,498.49	6,649.42	121.62	65.32	139.18	-2,921.50	-3,014.82	3,257.31	3,123.08	134.24	24.266		
9,500.00	6,253.95	7,576.34	6,719.98	123.13	66.00	139.45	-2,936.53	-3,044.03	3,318.41	3,182.97	135.44	24.502		
9,600.00	6,311.20	7,749.38	6,868.71	124.63	67.80	139.65	-2,973.44	-3,124.08	3,378.67	3,239.33	139.34	24.248		
9,700.00	6,368.45	7,802.00	6,913.56	126.13	68.38	139.70	-2,985.71	-3,148.71	3,437.43	3,297.14	140.29	24.503		
9,800.00	6,425.71	7,856.74	6,959.37	127.64	69.03	139.71	-2,998.16	-3,175.91	3,496.80	3,355.41	141.39	24.732		
9,900.00	6,482.96	7,949.11	7,028.44	129.14	70.28	139.45	-3,018.47	-3,233.40	3,557.11	3,413.12	143.99	24.703		
10,000.00	6,540.21	8,028.91	7,082.49	130.65	71.54	139.07	-3,036.97	-3,288.87	3,616.61	3,470.07	146.55	24.679		
10,100.00	6,597.46	8,053.10	7,097.21	132.15	71.95	138.92	-3,042.31	-3,307.32	3,677.15	3,530.04	147.11	24.996		
10,200.00	6,654.71	8,089.00	7,118.06	133.66	72.56	138.66	-3,049.61	-3,335.61	3,738.97	3,590.83	148.15	25.238		
10,300.00	6,711.97	8,089.00	7,118.06	135.16	72.56	138.66	-3,049.61	-3,335.61	3,801.89	3,654.22	147.67	25.746		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 36-T7N-R67W - ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 - PATT 901		Offset Site Error:		0.00 usft
Survey Program:		130-MWD OWSG											Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis		Distance											
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning				
10,400.00	6,769.19	8,131.82	7,141.54	136.67	73.33	136.70	-3,057.53	-3,370.53	3,865.76	3,716.70	149.06	25.935					
10,500.00	6,824.05	8,184.00	7,168.33	138.22	74.28	123.74	-3,066.30	-3,414.43	3,926.50	3,775.74	150.76	26.044					
10,600.00	6,873.81	8,184.00	7,168.33	139.81	74.28	113.54	-3,066.30	-3,414.43	3,979.68	3,829.74	149.94	26.542					
10,700.00	6,916.95	8,184.00	7,168.33	141.38	74.28	105.59	-3,066.30	-3,414.43	4,024.81	3,875.87	148.94	27.023					
10,800.00	6,952.17	8,228.04	7,188.50	142.87	75.12	99.77	-3,072.34	-3,453.09	4,059.65	3,909.70	149.95	27.074					
10,900.00	6,978.39	8,279.00	7,207.75	144.24	76.09	95.90	-3,076.97	-3,500.02	4,085.03	3,933.76	151.26	27.006					
11,000.00	6,994.82	8,279.00	7,207.75	145.43	76.09	93.68	-3,076.97	-3,500.02	4,098.29	3,948.29	150.00	27.322					
11,100.00	7,000.96	8,357.81	7,227.47	146.41	77.67	93.30	-3,082.23	-3,576.04	4,100.33	3,947.47	152.86	26.824					
11,200.00	7,001.00	8,446.69	7,236.47	147.26	79.49	93.46	-3,087.96	-3,664.23	4,094.37	3,938.01	156.35	26.187					
11,300.00	7,001.00	8,529.16	7,238.96	148.14	81.20	93.50	-3,092.55	-3,746.54	4,088.83	3,929.27	159.55	25.627					
11,400.00	7,001.00	8,649.73	7,241.49	149.06	83.73	93.54	-3,099.35	-3,866.89	4,083.14	3,918.27	164.87	24.766					
11,500.00	7,001.00	8,661.00	7,241.71	150.00	83.97	93.54	-3,100.01	-3,878.14	4,078.26	3,913.97	164.29	24.824					
11,600.00	7,001.00	8,756.00	7,242.20	150.97	85.98	93.55	-3,103.27	-3,973.06	4,074.70	3,906.39	168.31	24.209					
11,700.00	7,001.00	8,756.00	7,242.20	151.97	85.98	93.55	-3,103.27	-3,973.06	4,072.37	3,905.26	167.11	24.370					
11,800.00	7,001.00	8,993.59	7,239.87	153.00	91.12	93.53	-3,111.58	-4,210.44	4,067.39	3,888.23	179.16	22.702					
11,900.00	7,001.00	9,043.00	7,238.36	154.06	92.20	93.51	-3,112.86	-4,259.81	4,063.99	3,883.20	180.79	22.479					
12,000.00	7,001.00	9,184.71	7,235.65	155.15	95.36	93.47	-3,117.28	-4,401.41	4,060.74	3,873.10	187.65	21.640					
12,100.00	7,001.00	9,234.00	7,234.69	156.27	96.47	93.46	-3,119.20	-4,450.65	4,056.84	3,867.50	189.34	21.426					
12,200.00	7,001.00	9,271.89	7,233.97	157.43	97.32	93.45	-3,120.15	-4,488.52	4,054.39	3,864.00	190.39	21.295					
12,280.50	7,001.00	9,293.22	7,233.69	158.38	97.80	93.45	-3,120.26	-4,509.85	4,053.78	3,863.07	190.71	21.257					
12,300.00	7,001.00	9,329.00	7,233.46	158.61	98.61	93.44	-3,119.76	-4,545.63	4,054.24	3,861.70	192.55	21.056					
12,317.40	7,001.00	9,329.00	7,233.46	158.82	98.61	93.44	-3,119.76	-4,545.63	4,054.21	3,861.86	192.35	21.077					
12,400.00	7,001.00	9,329.00	7,233.46	159.82	98.61	93.44	-3,119.76	-4,545.63	4,055.05	3,863.66	191.39	21.188					
12,500.00	7,001.00	9,476.79	7,237.79	161.07	101.97	93.50	-3,118.44	-4,693.32	4,055.70	3,856.80	198.90	20.390					
12,600.00	7,001.00	9,537.75	7,239.82	162.34	103.37	93.53	-3,117.62	-4,754.25	4,057.07	3,855.72	201.35	20.149					
12,700.00	7,001.00	9,616.00	7,241.07	163.64	105.17	93.55	-3,115.80	-4,832.46	4,059.29	3,854.46	204.83	19.817					
12,800.00	7,001.00	9,730.78	7,240.85	164.98	107.82	93.54	-3,113.15	-4,947.21	4,061.42	3,850.92	210.50	19.294					
12,900.00	7,001.00	9,807.00	7,239.61	166.34	109.60	93.52	-3,110.99	-5,023.39	4,063.92	3,850.01	213.90	18.999					
13,000.00	7,001.00	9,885.78	7,238.35	167.74	111.44	93.50	-3,108.33	-5,102.12	4,066.98	3,849.50	217.48	18.700					
13,100.00	7,001.00	10,020.55	7,236.79	169.16	114.62	93.48	-3,104.52	-5,236.82	4,069.54	3,845.11	224.43	18.133					
13,200.00	7,001.00	10,094.00	7,237.14	170.61	116.36	93.48	-3,102.60	-5,310.24	4,072.04	3,844.29	227.75	17.880					
13,300.00	7,001.00	10,164.09	7,238.20	172.10	118.04	93.49	-3,100.33	-5,380.29	4,075.24	3,844.36	230.88	17.651					
13,400.00	7,001.00	10,634.88	7,243.14	173.61	129.54	93.57	-3,101.64	-5,850.56	4,076.86	3,819.30	257.56	15.829					
13,500.00	7,001.00	10,699.49	7,243.55	175.15	131.16	93.57	-3,104.82	-5,915.10	4,071.83	3,811.29	260.54	15.629					
13,600.00	7,001.00	10,822.88	7,242.75	176.72	134.24	93.57	-3,110.31	-6,038.36	4,067.25	3,800.38	266.87	15.241					
13,700.00	7,001.00	10,954.00	7,240.63	178.31	137.54	93.54	-3,117.55	-6,169.25	4,061.40	3,787.76	273.64	14.842					
13,800.00	7,001.00	11,000.87	7,239.36	179.94	138.72	93.53	-3,119.75	-6,216.05	4,056.25	3,780.60	275.65	14.715					
13,900.00	7,001.00	11,241.00	7,239.74	181.59	144.80	93.55	-3,136.16	-6,455.52	4,048.40	3,759.83	288.57	14.029					
14,000.00	7,001.00	11,292.76	7,239.98	183.26	146.12	93.56	-3,141.17	-6,507.04	4,039.71	3,748.77	290.94	13.885					
14,100.00	7,001.00	11,337.00	7,239.61	184.97	147.24	93.55	-3,143.04	-6,551.23	4,034.29	3,741.43	292.86	13.776					
14,200.00	7,001.00	11,337.00	7,239.61	186.70	147.24	93.55	-3,143.04	-6,551.23	4,030.00	3,737.82	292.18	13.793					
14,300.00	7,001.00	11,425.21	7,238.29	188.45	149.48	93.54	-3,145.25	-6,639.40	4,027.22	3,730.63	296.59	13.578					
14,400.00	7,001.00	11,476.66	7,237.72	190.23	150.79	93.53	-3,146.47	-6,690.83	4,024.84	3,726.00	298.84	13.468					
14,500.00	7,001.00	11,527.00	7,237.73	192.03	152.07	93.53	-3,146.60	-6,741.17	4,024.17	3,723.17	301.00	13.369					
14,512.90	7,001.00	11,527.00	7,237.73	192.26	152.07	93.53	-3,146.60	-6,741.17	4,024.15	3,723.26	300.89	13.374					
14,600.00	7,001.00	11,642.58	7,237.26	193.86	155.01	93.52	-3,146.34	-6,856.74	4,024.29	3,717.22	307.07	13.105					
14,700.00	7,001.00	11,752.99	7,235.77	195.71	157.82	93.50	-3,147.56	-6,967.13	4,022.89	3,710.05	312.84	12.859					
14,773.94	7,001.00	11,788.05	7,235.89	197.09	158.72	93.50	-3,147.68	-7,002.20	4,022.53	3,708.22	314.32	12.798					
14,800.00	7,001.00	11,814.00	7,236.29	197.58	159.38	93.51	-3,147.57	-7,028.14	4,022.63	3,706.97	315.65	12.744					
14,900.00	7,001.00	11,898.59	7,237.68	199.47	161.55	93.53	-3,147.05	-7,112.72	4,023.12	3,703.23	319.89	12.577					
15,000.00	7,001.00	11,977.12	7,238.13	201.39	163.56	93.54	-3,146.49	-7,191.24	4,023.73	3,699.97	323.76	12.428					
15,100.00	7,001.00	12,131.92	7,236.57	203.32	167.53	93.51	-3,146.07	-7,346.03	4,023.68	3,691.41	332.26	12.110					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 36-T7N-R67W - ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 - PATT 901		Offset Site Error:		0.00 usft
Survey Program:		130-MWD OWSG											Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis		Distance								Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
15,200.00	7,001.00	12,386.00	7,243.36	205.28	174.11	93.62	-3,153.81	-7,599.74	4,019.58	3,673.09	346.48	11.601					
15,300.00	7,001.00	12,429.51	7,245.25	207.25	175.24	93.65	-3,155.50	-7,643.18	4,015.93	3,667.52	348.41	11.526					
15,400.00	7,001.00	12,481.00	7,247.47	209.25	176.58	93.68	-3,156.48	-7,694.61	4,013.91	3,663.15	350.76	11.443					
15,500.00	7,001.00	12,539.95	7,249.84	211.26	178.11	93.71	-3,156.95	-7,753.51	4,013.04	3,659.51	353.53	11.351					
15,587.12	7,001.00	12,601.88	7,251.95	213.03	179.71	93.74	-3,157.27	-7,815.41	4,012.67	3,656.12	356.56	11.254					
15,600.00	7,001.00	12,608.76	7,252.14	213.30	179.89	93.75	-3,157.27	-7,822.29	4,012.68	3,655.82	356.86	11.244					
15,700.00	7,001.00	12,672.00	7,253.37	215.35	181.53	93.76	-3,156.72	-7,885.51	4,013.43	3,653.58	359.85	11.153					
15,800.00	7,001.00	12,856.66	7,253.47	217.42	186.34	93.77	-3,157.34	-8,070.16	4,012.51	3,642.31	370.20	10.839					
15,900.00	7,001.00	12,968.87	7,250.85	219.50	189.26	93.73	-3,158.35	-8,182.33	4,011.30	3,635.13	376.17	10.664					
16,000.00	7,001.00	13,053.00	7,249.64	221.60	191.45	93.71	-3,159.17	-8,266.44	4,010.08	3,629.62	380.46	10.540					
16,089.43	7,001.00	13,104.28	7,249.38	223.49	192.79	93.71	-3,159.35	-8,317.72	4,009.62	3,626.76	382.86	10.473					
16,100.00	7,001.00	13,109.96	7,249.31	223.72	192.94	93.71	-3,159.34	-8,323.40	4,009.63	3,626.51	383.12	10.466					
16,200.00	7,001.00	13,307.58	7,251.25	225.85	198.11	93.74	-3,160.64	-8,520.95	4,009.21	3,615.02	394.19	10.171					
16,300.00	7,001.00	13,378.65	7,253.46	228.00	199.98	93.77	-3,162.26	-8,591.97	4,007.05	3,609.31	397.74	10.074					
16,400.00	7,001.00	13,434.00	7,254.93	230.16	201.43	93.79	-3,162.78	-8,647.30	4,006.08	3,605.74	400.34	10.007					
16,469.02	7,001.00	13,484.03	7,256.16	231.66	202.74	93.81	-3,162.84	-8,697.31	4,005.98	3,603.15	402.83	9.945					
16,500.00	7,001.00	13,509.99	7,256.81	232.34	203.42	93.82	-3,162.82	-8,723.27	4,006.00	3,601.84	404.16	9.912					
16,600.00	7,001.00	13,565.39	7,258.09	234.53	204.88	93.84	-3,162.52	-8,778.65	4,006.60	3,599.90	406.70	9.851					
16,700.00	7,001.00	13,624.00	7,258.94	236.73	206.41	93.85	-3,161.27	-8,837.24	4,008.53	3,599.13	409.41	9.791					
16,800.00	7,001.00	13,824.94	7,259.50	238.95	211.69	93.85	-3,159.01	-9,038.15	4,009.48	3,588.59	420.90	9.526					
16,900.00	7,001.00	14,118.22	7,252.32	241.18	219.42	93.76	-3,165.14	-9,331.23	4,007.54	3,570.17	437.37	9.163					
17,000.00	7,001.00	14,102.00	7,252.86	243.42	218.99	93.76	-3,164.40	-9,315.04	4,004.15	3,568.11	436.04	9.183					
17,100.00	7,001.00	14,154.65	7,250.91	245.67	220.38	93.74	-3,165.73	-9,367.64	4,001.87	3,563.33	438.53	9.126					
17,124.00	7,001.00	14,160.74	7,250.66	246.21	220.54	93.73	-3,165.75	-9,373.72	4,001.68	3,562.95	438.73	9.121					
17,200.00	7,001.00	14,197.00	7,249.07	247.93	221.49	93.71	-3,165.29	-9,409.94	4,001.96	3,561.61	440.35	9.088					
17,300.00	7,001.00	14,335.43	7,243.04	250.21	225.13	93.62	-3,163.43	-9,548.21	4,003.22	3,555.24	447.98	8.936					
17,400.00	7,001.00	14,455.00	7,240.29	252.50	228.29	93.59	-3,164.32	-9,667.73	4,002.11	3,547.66	454.45	8.806					
17,500.00	7,001.00	14,601.69	7,238.18	254.79	232.17	93.56	-3,166.33	-9,814.39	4,000.47	3,537.96	462.51	8.649					
17,600.00	7,001.00	14,674.00	7,236.16	257.10	234.09	93.53	-3,167.04	-9,886.67	3,999.01	3,532.82	466.19	8.578					
17,700.00	7,001.00	14,725.16	7,234.18	259.42	235.44	93.50	-3,167.02	-9,937.79	3,998.42	3,529.82	468.59	8.533					
17,800.00	7,001.00	14,851.43	7,229.50	261.74	238.78	93.43	-3,167.33	-10,063.97	3,997.77	3,522.28	475.49	8.408					
17,900.00	7,001.00	14,925.93	7,226.53	264.08	240.75	93.39	-3,167.77	-10,138.40	3,996.89	3,517.61	479.28	8.339					
17,920.27	7,001.00	14,936.11	7,226.05	264.55	241.02	93.39	-3,167.74	-10,148.58	3,996.86	3,517.12	479.75	8.331					
18,000.00	7,001.00	14,960.00	7,224.85	266.42	241.66	93.37	-3,167.56	-10,172.43	3,997.32	3,516.76	480.56	8.318					
18,100.00	7,001.00	15,011.95	7,221.54	268.78	243.02	93.32	-3,166.45	-10,224.27	3,999.12	3,516.25	482.87	8.282					
18,200.00	7,001.00	15,109.67	7,212.79	271.14	245.59	93.19	-3,162.87	-10,321.52	4,002.11	3,514.07	488.04	8.200					
18,300.00	7,001.00	15,289.25	7,195.25	273.51	250.31	92.94	-3,159.70	-10,500.20	4,002.72	3,504.42	498.30	8.033					
18,400.00	7,001.00	15,410.72	7,185.71	275.89	253.52	92.80	-3,158.42	-10,621.28	4,003.24	3,498.31	504.93	7.928					
18,500.00	7,001.00	15,593.32	7,170.71	278.27	258.35	92.59	-3,159.82	-10,803.26	4,001.53	3,486.38	515.15	7.768					
18,600.00	7,001.00	15,669.00	7,164.22	280.67	260.35	92.50	-3,160.82	-10,878.66	3,999.74	3,480.69	519.05	7.706					
18,650.36	7,001.00	15,669.00	7,164.22	281.87	260.35	92.50	-3,160.82	-10,878.66	3,999.42	3,480.70	518.73	7.710					
18,700.00	7,001.00	15,669.00	7,164.22	283.07	260.35	92.50	-3,160.82	-10,878.66	3,999.73	3,481.39	518.34	7.716					
18,800.00	7,001.00	15,669.00	7,164.22	285.48	260.35	92.50	-3,160.82	-10,878.66	4,002.22	3,484.89	517.33	7.736					
18,900.00	7,001.00	15,669.00	7,164.22	287.89	260.35	92.50	-3,160.82	-10,878.66	4,007.21	3,491.18	516.03	7.765					
19,000.00	7,001.00	15,669.00	7,164.22	290.31	260.35	92.50	-3,160.82	-10,878.66	4,014.68	3,500.24	514.44	7.804					
19,100.00	7,001.00	15,669.00	7,164.22	292.74	260.35	92.50	-3,160.82	-10,878.66	4,024.62	3,512.05	512.57	7.852					
19,200.00	7,001.00	15,669.00	7,164.22	295.17	260.35	92.50	-3,160.82	-10,878.66	4,037.01	3,526.59	510.42	7.909					
19,300.00	7,001.00	15,669.00	7,164.22	297.61	260.35	92.50	-3,160.82	-10,878.66	4,051.84	3,543.83	508.01	7.976					
19,400.00	7,001.00	15,669.00	7,164.22	300.06	260.35	92.50	-3,160.82	-10,878.66	4,069.07	3,563.73	505.34	8.052					
19,500.00	7,001.00	15,669.00	7,164.22	302.51	260.35	92.50	-3,160.82	-10,878.66	4,088.68	3,586.24	502.43	8.138					
19,600.00	7,001.00	15,669.00	7,164.22	304.97	260.35	92.50	-3,160.82	-10,878.66	4,110.62	3,611.32	499.30	8.233					
19,700.00	7,001.00	15,669.00	7,164.22	307.43	260.35	92.50	-3,160.82	-10,878.66	4,134.87	3,638.93	495.94	8.337					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 - PATT 901												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,800.00	7,001.00	15,669.00	7,164.22	309.90	260.35	92.50	-3,160.82	-10,878.66	4,161.38	3,668.99	492.38	8.452	
19,900.00	7,001.00	15,669.00	7,164.22	312.38	260.35	92.50	-3,160.82	-10,878.66	4,190.10	3,701.47	488.64	8.575	
20,000.00	7,001.00	15,669.00	7,164.22	314.85	260.35	92.50	-3,160.82	-10,878.66	4,221.01	3,736.29	484.72	8.708	
20,100.00	7,001.00	15,669.00	7,164.22	317.34	260.35	92.50	-3,160.82	-10,878.66	4,254.04	3,773.40	480.64	8.851	
20,200.00	7,001.00	15,669.00	7,164.22	319.83	260.35	92.50	-3,160.82	-10,878.66	4,289.14	3,812.73	476.42	9.003	
20,300.00	7,001.00	15,669.00	7,164.22	322.32	260.35	92.50	-3,160.82	-10,878.66	4,326.28	3,854.21	472.07	9.164	
20,400.00	7,001.00	15,669.00	7,164.22	324.82	260.35	92.50	-3,160.82	-10,878.66	4,365.39	3,897.78	467.61	9.336	
20,500.00	7,001.00	15,669.00	7,164.22	327.32	260.35	92.50	-3,160.82	-10,878.66	4,406.42	3,943.37	463.05	9.516	
20,600.00	7,001.00	15,669.00	7,164.22	329.83	260.35	92.50	-3,160.82	-10,878.66	4,449.32	3,990.92	458.40	9.706	
20,700.00	7,001.00	15,669.00	7,164.22	332.34	260.35	92.50	-3,160.82	-10,878.66	4,494.04	4,040.35	453.69	9.906	
20,800.00	7,001.00	15,669.00	7,164.22	334.85	260.35	92.50	-3,160.82	-10,878.66	4,540.52	4,091.60	448.92	10.114	
20,900.00	7,001.00	15,669.00	7,164.22	337.37	260.35	92.50	-3,160.82	-10,878.66	4,588.71	4,144.61	444.10	10.333	
21,000.00	7,001.00	15,669.00	7,164.22	339.89	260.35	92.50	-3,160.82	-10,878.66	4,638.55	4,199.31	439.25	10.560	
21,100.00	7,001.00	15,669.00	7,164.22	342.42	260.35	92.50	-3,160.82	-10,878.66	4,690.00	4,255.63	434.37	10.797	
21,200.00	7,001.00	15,669.00	7,164.22	344.95	260.35	92.50	-3,160.82	-10,878.66	4,743.00	4,313.51	429.49	11.043	
21,300.00	7,001.00	15,669.00	7,164.22	347.48	260.35	92.50	-3,160.82	-10,878.66	4,797.50	4,372.90	424.60	11.299	
21,400.00	7,001.00	15,669.00	7,164.22	350.02	260.35	92.50	-3,160.82	-10,878.66	4,853.44	4,433.73	419.72	11.564	
21,500.00	7,001.00	15,669.00	7,164.22	352.56	260.35	92.50	-3,160.82	-10,878.66	4,910.79	4,495.94	414.85	11.838	
21,600.00	7,001.00	15,669.00	7,164.22	355.10	260.35	92.50	-3,160.82	-10,878.66	4,969.48	4,559.48	410.00	12.121	
21,700.00	7,001.00	15,669.00	7,164.22	357.65	260.35	92.50	-3,160.82	-10,878.66	5,029.48	4,624.30	405.18	12.413	
21,800.00	7,001.00	15,669.00	7,164.22	360.20	260.35	92.50	-3,160.82	-10,878.66	5,090.74	4,690.34	400.40	12.714	
21,818.56	7,001.00	15,669.00	7,164.22	360.67	260.35	92.50	-3,160.82	-10,878.66	5,102.24	4,702.72	399.52	12.771	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	146.93	146.89	0.27	0.23	-167.36	-1,373.60	-308.11	1,408.92	1,408.43	0.49	2,872.683		
200.00	199.98	200.12	200.07	0.62	0.43	-9.58	-1,372.68	-308.13	1,405.16	1,404.11	1.05	1,340.612		
300.00	299.84	286.24	286.19	0.97	0.73	-9.62	-1,372.71	-308.22	1,400.01	1,398.31	1.70	824.334		
400.00	399.45	381.66	381.61	1.34	1.06	-9.68	-1,372.83	-308.90	1,391.70	1,389.30	2.40	580.797		
500.00	498.70	478.04	477.97	1.74	1.40	-9.74	-1,373.12	-310.47	1,380.33	1,377.22	3.11	444.365		
600.00	597.47	590.55	590.47	2.17	1.80	-9.86	-1,373.22	-311.87	1,365.28	1,361.40	3.88	351.733		
700.00	695.62	668.84	668.76	2.62	2.08	-10.01	-1,373.26	-312.47	1,346.73	1,342.20	4.53	297.212		
800.00	793.06	745.96	745.86	3.12	2.35	-10.21	-1,374.77	-312.95	1,326.55	1,321.37	5.18	255.978		
900.00	889.64	826.61	826.47	3.65	2.64	-10.45	-1,377.37	-313.81	1,304.34	1,298.49	5.85	222.799		
1,000.00	985.27	907.84	907.58	4.23	2.93	-10.65	-1,380.63	-316.50	1,280.01	1,273.47	6.54	195.743		
1,100.00	1,079.82	986.00	985.54	4.85	3.21	-10.82	-1,384.35	-320.66	1,253.52	1,246.29	7.22	173.512		
1,200.00	1,173.17	1,068.57	1,067.73	5.52	3.52	-10.94	-1,388.91	-327.10	1,224.93	1,216.99	7.94	154.302		
1,300.00	1,265.21	1,145.21	1,143.75	6.24	3.82	-10.99	-1,393.75	-335.55	1,194.44	1,185.79	8.65	138.162		
1,400.00	1,355.84	1,215.27	1,212.93	7.01	4.10	-10.97	-1,398.95	-345.24	1,162.33	1,152.99	9.34	124.423		
1,500.00	1,444.94	1,272.00	1,268.77	7.82	4.33	-10.98	-1,404.30	-353.74	1,129.30	1,119.30	10.00	112.937		
1,600.00	1,532.39	1,350.38	1,345.51	8.69	4.67	-10.91	-1,413.25	-366.88	1,095.13	1,084.37	10.76	101.776		
1,700.00	1,618.11	1,424.34	1,417.46	9.61	5.01	-10.80	-1,423.00	-380.98	1,059.80	1,048.28	11.52	92.008		
1,800.00	1,701.97	1,496.30	1,487.07	10.58	5.35	-10.65	-1,433.44	-395.89	1,022.94	1,010.65	12.29	83.245		
1,900.00	1,783.88	1,565.46	1,553.39	11.59	5.70	-10.43	-1,444.63	-412.00	985.04	971.98	13.06	75.432		
2,000.00	1,863.74	1,656.14	1,639.93	12.66	6.19	-10.03	-1,460.03	-434.31	945.10	931.16	13.94	67.792		
2,100.00	1,941.45	1,728.14	1,708.43	13.77	6.60	-9.72	-1,472.78	-452.41	902.92	888.17	14.76	61.187		
2,200.00	2,016.92	1,799.80	1,775.86	14.94	7.04	-9.27	-1,486.49	-472.42	859.70	844.11	15.58	55.167		
2,300.00	2,090.05	1,871.37	1,842.29	16.14	7.50	-8.61	-1,500.73	-494.89	815.22	798.81	16.42	49.658		
2,400.00	2,160.76	1,936.73	1,902.18	17.40	7.95	-7.87	-1,514.93	-516.89	770.15	752.92	17.23	44.701		
2,500.00	2,228.95	2,012.60	1,970.85	18.69	8.51	-6.80	-1,532.73	-543.79	724.38	706.29	18.10	40.030		
2,600.00	2,294.55	2,082.40	2,033.25	20.03	9.06	-5.54	-1,549.41	-570.23	677.26	658.33	18.93	35.780		
2,700.00	2,357.48	2,146.18	2,089.02	21.41	9.59	-4.08	-1,565.86	-596.42	630.42	610.71	19.71	31.986		
2,800.00	2,417.66	2,233.27	2,164.47	22.83	10.35	-1.62	-1,589.07	-633.21	582.54	561.90	20.64	28.225		
2,900.00	2,475.32	2,309.22	2,230.26	24.29	11.04	0.89	-1,609.79	-665.00	533.28	511.77	21.51	24.797		
3,000.00	2,532.58	2,381.04	2,292.00	25.75	11.71	3.62	-1,630.57	-695.26	486.28	463.91	22.37	21.742		
3,100.00	2,589.83	2,455.50	2,354.77	27.22	12.44	7.01	-1,653.29	-728.22	443.29	419.97	23.32	19.009		
3,200.00	2,647.08	2,541.59	2,426.98	28.70	13.30	11.54	-1,680.46	-766.43	403.45	378.84	24.61	16.393		
3,300.00	2,704.33	2,633.16	2,504.64	30.17	14.22	17.15	-1,708.89	-805.73	365.09	338.71	26.37	13.843		
3,400.00	2,761.58	2,705.08	2,564.99	31.65	14.96	22.29	-1,732.08	-837.23	331.96	303.63	28.33	11.718		
3,500.00	2,818.84	2,795.29	2,639.79	33.13	15.90	29.57	-1,762.61	-877.37	305.33	273.83	31.51	9.692		
3,600.00	2,876.09	2,874.42	2,705.45	34.62	16.76	36.84	-1,789.11	-912.67	284.82	249.47	35.34	8.058		
3,700.00	2,933.34	2,961.28	2,776.54	36.10	17.71	45.85	-1,817.06	-954.02	274.42	233.89	40.53	6.771		
3,774.34	2,975.90	3,026.34	2,830.42	37.21	18.43	52.84	-1,837.78	-984.02	271.53	226.76	44.76	6.066 CC		
3,800.00	2,990.59	3,046.18	2,846.78	37.59	18.65	54.98	-1,844.10	-993.30	271.93	225.84	46.10	5.899 ES		
3,900.00	3,047.84	3,129.53	2,914.82	39.08	19.57	63.79	-1,870.63	-1,033.46	280.82	229.52	51.31	5.473		
4,000.00	3,105.10	3,218.51	2,988.45	40.57	20.57	72.75	-1,898.34	-1,075.04	297.18	241.09	56.08	5.299 SF		
4,100.00	3,162.35	3,297.19	3,052.74	42.06	21.46	79.75	-1,923.14	-1,112.99	322.34	263.02	59.33	5.433		
4,200.00	3,219.60	3,391.82	3,130.26	43.55	22.53	87.08	-1,953.14	-1,158.22	352.89	290.23	62.66	5.632		
4,300.00	3,276.85	3,487.55	3,210.82	45.05	23.56	93.81	-1,982.85	-1,200.53	385.61	320.27	65.35	5.901		
4,400.00	3,334.10	3,569.01	3,279.50	46.54	24.43	98.74	-2,008.35	-1,236.13	421.76	354.82	66.95	6.300		
4,500.00	3,391.35	3,645.74	3,342.85	48.03	25.30	102.46	-2,032.97	-1,271.73	462.00	393.81	68.19	6.775		
4,600.00	3,448.61	3,734.60	3,415.48	49.53	26.30	106.02	-2,061.37	-1,314.31	505.12	435.22	69.90	7.227		
4,700.00	3,505.86	3,831.80	3,497.14	51.03	27.36	109.74	-2,091.73	-1,357.42	548.32	476.60	71.71	7.646		
4,800.00	3,563.11	3,909.66	3,563.08	52.52	28.20	112.40	-2,116.26	-1,390.75	592.03	519.34	72.69	8.145		
4,900.00	3,620.36	3,978.78	3,621.41	54.02	28.94	114.46	-2,136.69	-1,421.72	639.14	565.79	73.35	8.714		
5,000.00	3,677.61	4,053.00	3,683.38	55.52	29.76	116.30	-2,157.93	-1,456.59	688.72	614.43	74.29	9.270		
5,100.00	3,734.87	4,147.61	3,761.77	57.02	30.84	118.25	-2,185.42	-1,501.87	738.93	662.79	76.14	9.705		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,792.12	4,235.63	3,834.43	58.51	31.84	119.79	-2,211.90	-1,543.90	788.77	711.02	77.75	10.145		
5,300.00	3,849.37	4,331.62	3,913.59	60.01	32.94	121.27	-2,241.49	-1,589.42	838.29	758.63	79.66	10.524		
5,400.00	3,906.62	4,419.48	3,986.29	61.51	33.93	122.50	-2,269.08	-1,630.33	887.38	806.12	81.25	10.921		
5,500.00	3,963.87	4,506.10	4,058.87	63.01	34.88	123.71	-2,295.88	-1,669.25	936.62	853.89	82.72	11.322		
5,600.00	4,021.13	4,583.86	4,125.25	64.51	35.71	124.84	-2,319.11	-1,702.42	986.37	902.54	83.83	11.766		
5,700.00	4,078.38	4,665.34	4,193.98	66.01	36.58	125.82	-2,343.33	-1,738.86	1,037.12	951.97	85.14	12.181		
5,800.00	4,135.63	4,756.63	4,271.46	67.51	37.57	126.87	-2,370.46	-1,778.79	1,087.85	1,001.10	86.75	12.541		
5,900.00	4,192.88	4,854.37	4,353.39	69.01	38.63	127.79	-2,400.69	-1,822.69	1,138.10	1,049.49	88.61	12.844		
6,000.00	4,250.13	4,955.63	4,438.74	70.51	39.75	128.72	-2,432.95	-1,866.60	1,187.34	1,096.81	90.53	13.116		
6,100.00	4,307.39	5,052.58	4,517.54	72.02	40.87	129.26	-2,465.91	-1,912.44	1,235.79	1,143.23	92.55	13.352		
6,200.00	4,364.64	5,142.55	4,590.51	73.52	41.92	129.72	-2,497.01	-1,954.88	1,283.80	1,189.41	94.39	13.602		
6,300.00	4,421.89	5,227.22	4,661.21	75.02	42.88	130.30	-2,525.41	-1,991.81	1,331.98	1,236.07	95.91	13.888		
6,400.00	4,479.14	5,316.69	4,734.64	76.52	43.90	130.76	-2,555.90	-2,032.82	1,380.28	1,282.61	97.66	14.133		
6,500.00	4,536.39	5,411.73	4,812.14	78.02	45.00	131.18	-2,588.81	-2,076.89	1,428.25	1,328.63	99.62	14.337		
6,600.00	4,593.64	5,505.59	4,889.52	79.52	46.07	131.64	-2,621.40	-2,118.83	1,475.86	1,374.40	101.46	14.546		
6,700.00	4,650.90	5,559.59	4,934.16	81.03	46.69	131.90	-2,639.75	-2,143.08	1,524.26	1,422.00	102.27	14.905		
6,800.00	4,708.15	5,613.93	4,978.59	82.53	47.32	132.09	-2,657.27	-2,168.98	1,574.66	1,471.55	103.11	15.272		
6,900.00	4,765.40	5,685.42	5,037.63	84.03	48.14	132.35	-2,679.30	-2,202.73	1,626.26	1,521.85	104.42	15.575		
7,000.00	4,822.65	5,764.76	5,104.85	85.53	48.99	132.76	-2,702.75	-2,237.74	1,678.47	1,572.68	105.79	15.865		
7,100.00	4,879.90	5,831.88	5,163.19	87.04	49.67	133.19	-2,721.81	-2,264.90	1,731.14	1,624.43	106.72	16.222		
7,200.00	4,937.16	5,891.00	5,214.94	88.54	50.25	133.58	-2,737.71	-2,288.64	1,785.07	1,677.67	107.41	16.620		
7,300.00	4,994.41	5,987.00	5,298.22	90.04	51.22	134.12	-2,764.16	-2,328.40	1,838.70	1,729.60	109.10	16.853		
7,400.00	5,051.66	6,054.19	5,355.07	91.54	51.96	134.37	-2,783.10	-2,358.77	1,892.61	1,782.37	110.23	17.169		
7,500.00	5,108.91	6,128.48	5,416.75	93.05	52.79	134.54	-2,803.17	-2,394.98	1,947.87	1,836.21	111.67	17.444		
7,600.00	5,166.16	6,245.72	5,515.61	94.55	54.10	134.90	-2,835.41	-2,449.13	2,002.49	1,888.24	114.25	17.527		
7,700.00	5,223.42	6,351.02	5,601.52	96.05	55.34	135.05	-2,866.55	-2,501.42	2,055.73	1,939.03	116.70	17.616		
7,800.00	5,280.67	6,424.07	5,660.11	97.56	56.22	135.08	-2,888.54	-2,539.08	2,108.80	1,990.53	118.27	17.831		
7,900.00	5,337.92	6,605.18	5,809.11	99.06	58.32	135.41	-2,945.23	-2,624.94	2,160.32	2,037.73	122.59	17.622		
8,000.00	5,395.17	6,675.30	5,868.55	100.56	59.08	135.65	-2,967.94	-2,654.38	2,210.17	2,086.38	123.79	17.854		
8,100.00	5,452.42	6,734.56	5,919.43	102.07	59.69	135.88	-2,986.41	-2,678.49	2,260.96	2,136.29	124.67	18.136		
8,200.00	5,509.68	6,849.99	6,017.68	103.57	60.91	136.25	-3,022.43	-2,727.19	2,312.04	2,185.15	126.89	18.221		
8,300.00	5,566.93	6,918.98	6,075.26	105.08	61.69	136.40	-3,044.55	-2,758.09	2,362.62	2,234.46	128.16	18.435		
8,400.00	5,624.18	7,003.12	6,145.15	106.58	62.63	136.55	-3,071.27	-2,796.58	2,413.62	2,283.79	129.84	18.589		
8,500.00	5,681.43	7,094.42	6,221.37	108.08	63.65	136.73	-3,100.32	-2,837.58	2,464.49	2,332.84	131.65	18.720		
8,600.00	5,738.68	7,182.27	6,295.54	109.59	64.61	136.94	-3,128.22	-2,875.51	2,515.23	2,381.91	133.31	18.867		
8,700.00	5,795.93	7,256.86	6,358.44	111.09	65.42	137.11	-3,151.87	-2,907.86	2,566.06	2,431.39	134.67	19.054		
8,800.00	5,853.19	7,324.00	6,414.69	112.60	66.16	137.23	-3,172.73	-2,938.02	2,617.62	2,481.72	135.90	19.262		
8,900.00	5,910.44	7,417.99	6,493.11	114.10	67.22	137.38	-3,202.10	-2,980.69	2,669.09	2,531.28	137.81	19.368		
9,000.00	5,967.69	7,477.08	6,542.62	115.60	67.87	137.48	-3,220.43	-3,007.22	2,720.81	2,581.96	138.85	19.596		
9,100.00	6,024.94	7,528.16	6,585.76	117.11	68.43	137.57	-3,235.52	-3,030.03	2,773.70	2,634.04	139.67	19.860		
9,200.00	6,082.19	7,589.84	6,638.23	118.61	69.09	137.70	-3,253.14	-3,057.26	2,827.43	2,686.72	140.71	20.094		
9,300.00	6,139.45	7,686.18	6,720.22	120.12	70.13	137.88	-3,280.34	-3,099.91	2,881.49	2,738.88	142.62	20.204		
9,400.00	6,196.70	7,750.78	6,774.86	121.62	70.82	137.98	-3,298.79	-3,129.01	2,935.38	2,791.61	143.76	20.418		
9,500.00	6,253.95	7,801.00	6,818.05	123.13	71.35	138.09	-3,312.53	-3,150.65	2,990.10	2,845.60	144.51	20.692		
9,600.00	6,311.20	7,801.00	6,818.05	124.63	71.35	138.09	-3,312.53	-3,150.65	3,046.49	2,902.51	143.98	21.159		
9,700.00	6,368.45	7,840.66	6,851.96	126.13	71.79	138.15	-3,322.46	-3,168.64	3,103.97	2,959.50	144.48	21.484		
9,800.00	6,425.71	7,859.18	6,867.45	127.64	72.00	138.16	-3,326.62	-3,177.90	3,163.39	3,018.99	144.40	21.908		
9,900.00	6,482.96	7,896.00	6,897.50	129.14	72.41	138.15	-3,333.94	-3,197.86	3,224.60	3,079.72	144.88	22.257		
10,000.00	6,540.21	7,896.00	6,897.50	130.65	72.41	138.15	-3,333.94	-3,197.86	3,286.81	3,142.63	144.18	22.796		
10,100.00	6,597.46	7,896.00	6,897.50	132.15	72.41	138.15	-3,333.94	-3,197.86	3,350.85	3,207.41	143.44	23.361		
10,200.00	6,654.71	7,936.04	6,928.88	133.66	72.94	138.08	-3,340.66	-3,221.78	3,415.75	3,271.59	144.16	23.694		
10,300.00	6,711.97	7,955.85	6,943.85	135.16	73.20	138.02	-3,343.58	-3,234.42	3,482.07	3,337.93	144.14	24.158		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ICE MAN 2W-15-4N - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,769.19	7,992.00	6,970.15	136.67	73.67	136.18	-3,348.19	-3,258.78	3,549.69	3,404.91	144.78	24.518		
10,500.00	6,824.05	7,992.00	6,970.15	138.22	73.67	122.91	-3,348.19	-3,258.78	3,613.94	3,470.13	143.81	25.130		
10,600.00	6,873.81	8,042.90	7,004.83	139.81	74.44	112.31	-3,353.84	-3,295.60	3,671.01	3,526.15	144.86	25.341		
10,700.00	6,916.95	8,291.14	7,125.75	141.38	78.82	104.27	-3,386.84	-3,507.93	3,716.80	3,560.85	155.95	23.833		
10,800.00	6,952.17	8,374.00	7,148.10	142.87	80.48	98.55	-3,399.72	-3,586.63	3,749.04	3,589.99	159.05	23.572		
10,900.00	6,978.39	8,374.00	7,148.10	144.24	80.48	94.88	-3,399.72	-3,586.63	3,770.21	3,612.66	157.54	23.931		
11,000.00	6,994.82	8,430.16	7,158.72	145.43	81.63	92.91	-3,407.24	-3,641.26	3,779.27	3,620.15	159.12	23.751		
11,100.00	7,000.96	8,469.00	7,163.94	146.41	82.42	92.61	-3,411.09	-3,679.54	3,777.27	3,617.54	159.72	23.649		
11,200.00	7,001.00	8,555.08	7,172.84	147.26	84.19	92.79	-3,419.02	-3,764.79	3,768.36	3,605.28	163.08	23.107		
11,300.00	7,001.00	8,598.37	7,176.73	148.14	85.08	92.85	-3,422.87	-3,807.73	3,759.99	3,595.99	164.01	22.926		
11,400.00	7,001.00	8,660.00	7,180.72	149.06	86.35	92.92	-3,426.29	-3,869.13	3,754.01	3,588.00	166.01	22.613		
11,500.00	7,001.00	8,660.00	7,180.72	150.00	86.35	92.92	-3,426.29	-3,869.13	3,748.94	3,584.54	164.40	22.803		
11,600.00	7,001.00	8,711.15	7,183.20	150.97	87.39	92.96	-3,427.82	-3,920.19	3,745.94	3,580.13	165.81	22.591		
11,700.00	7,001.00	8,774.54	7,185.89	151.97	88.69	93.00	-3,429.06	-3,983.51	3,744.03	3,576.06	167.97	22.290		
11,800.00	7,001.00	8,851.00	7,187.52	153.00	90.27	93.03	-3,429.87	-4,059.95	3,742.91	3,571.97	170.94	21.896		
11,900.00	7,001.00	9,035.28	7,186.53	154.06	94.15	93.01	-3,433.27	-4,244.19	3,740.82	3,560.37	180.46	20.730		
12,000.00	7,001.00	9,123.03	7,186.34	155.15	96.04	93.01	-3,435.73	-4,331.90	3,737.86	3,553.64	184.22	20.291		
12,100.00	7,001.00	9,205.98	7,185.08	156.27	97.84	92.99	-3,437.63	-4,414.82	3,735.32	3,547.60	187.72	19.898		
12,200.00	7,001.00	9,288.83	7,183.19	157.43	99.66	92.97	-3,439.12	-4,497.64	3,733.25	3,542.00	191.25	19.520		
12,300.00	7,001.00	9,522.06	7,183.04	158.61	104.88	92.97	-3,445.93	-4,730.74	3,730.90	3,526.86	204.03	18.286		
12,400.00	7,001.00	9,564.52	7,183.07	159.82	105.85	92.97	-3,447.82	-4,773.15	3,726.28	3,521.07	205.21	18.158		
12,500.00	7,001.00	9,615.00	7,181.11	161.07	107.00	92.94	-3,449.16	-4,823.57	3,723.16	3,516.30	206.86	17.998		
12,600.00	7,001.00	9,746.01	7,173.67	162.34	109.98	92.83	-3,451.57	-4,954.33	3,721.09	3,507.60	213.48	17.430		
12,700.00	7,001.00	9,997.00	7,170.96	163.64	115.88	92.80	-3,466.43	-5,204.72	3,713.85	3,486.36	227.49	16.325		
12,800.00	7,001.00	10,050.33	7,171.59	164.98	117.16	92.81	-3,470.94	-5,257.85	3,706.11	3,476.63	229.48	16.150		
12,900.00	7,001.00	10,104.06	7,171.96	166.34	118.44	92.82	-3,473.25	-5,311.53	3,701.16	3,469.67	231.49	15.988		
13,000.00	7,001.00	10,188.00	7,172.65	167.74	120.44	92.84	-3,477.30	-5,395.36	3,696.26	3,460.89	235.37	15.704		
13,100.00	7,001.00	10,246.37	7,173.08	169.16	121.84	92.84	-3,480.40	-5,453.64	3,691.45	3,453.77	237.67	15.532		
13,200.00	7,001.00	10,323.62	7,173.19	170.61	123.69	92.85	-3,482.17	-5,530.87	3,688.86	3,447.70	241.16	15.296		
13,300.00	7,001.00	10,429.90	7,173.26	172.10	126.25	92.85	-3,485.49	-5,637.08	3,685.55	3,439.06	246.49	14.952		
13,400.00	7,001.00	10,475.00	7,172.12	173.61	127.34	92.83	-3,486.33	-5,682.12	3,683.38	3,435.42	247.96	14.855		
13,500.00	7,001.00	10,571.00	7,168.55	175.15	129.65	92.78	-3,487.34	-5,778.09	3,681.99	3,429.32	252.66	14.573		
13,583.43	7,001.00	10,601.87	7,167.30	176.46	130.39	92.76	-3,487.44	-5,808.93	3,681.45	3,428.01	253.44	14.526		
13,600.00	7,001.00	10,607.72	7,167.05	176.72	130.53	92.76	-3,487.41	-5,814.78	3,681.49	3,427.92	253.57	14.519		
13,700.00	7,001.00	10,666.00	7,164.35	178.31	131.93	92.71	-3,486.12	-5,872.98	3,682.95	3,427.11	255.84	14.395		
13,800.00	7,001.00	10,743.54	7,160.48	179.94	133.80	92.65	-3,484.16	-5,950.40	3,685.01	3,425.64	259.37	14.208		
13,900.00	7,001.00	10,858.00	7,155.09	181.59	136.56	92.57	-3,481.76	-6,064.70	3,686.70	3,421.37	265.33	13.895		
14,000.00	7,001.00	10,949.07	7,153.07	183.26	138.78	92.53	-3,479.57	-6,155.72	3,688.82	3,419.03	269.79	13.673		
14,100.00	7,001.00	11,062.75	7,152.59	184.97	141.56	92.53	-3,477.38	-6,269.38	3,690.56	3,414.79	275.77	13.383		
14,200.00	7,001.00	11,152.45	7,151.07	186.70	143.77	92.50	-3,475.56	-6,359.04	3,692.35	3,412.18	280.17	13.179		
14,300.00	7,001.00	11,274.78	7,150.73	188.45	146.80	92.49	-3,473.54	-6,481.35	3,693.80	3,407.05	286.75	12.882		
14,400.00	7,001.00	11,335.00	7,151.03	190.23	148.29	92.50	-3,472.65	-6,541.56	3,695.33	3,406.09	289.24	12.776		
14,500.00	7,001.00	11,383.57	7,151.03	192.03	149.49	92.50	-3,471.33	-6,590.11	3,698.14	3,407.21	290.93	12.711		
14,600.00	7,001.00	11,485.90	7,150.50	193.86	152.03	92.49	-3,466.79	-6,692.34	3,702.41	3,406.18	296.23	12.498		
14,700.00	7,001.00	11,869.65	7,151.59	195.71	161.70	92.50	-3,466.61	-7,075.88	3,702.42	3,382.72	319.70	11.581		
14,800.00	7,001.00	11,958.64	7,151.50	197.58	163.97	92.50	-3,469.82	-7,164.82	3,698.65	3,374.47	324.18	11.409		
14,900.00	7,001.00	12,039.36	7,151.35	199.47	166.03	92.50	-3,472.54	-7,245.49	3,695.13	3,366.99	328.14	11.261		
15,000.00	7,001.00	12,112.36	7,150.89	201.39	167.90	92.50	-3,474.37	-7,318.47	3,692.41	3,360.79	331.62	11.134		
15,100.00	7,001.00	12,254.41	7,148.58	203.32	171.54	92.46	-3,478.15	-7,460.44	3,689.57	3,350.14	339.43	10.870		
15,200.00	7,001.00	12,332.81	7,146.96	205.28	173.56	92.44	-3,480.78	-7,538.78	3,686.03	3,342.76	343.27	10.738		
15,300.00	7,001.00	12,394.62	7,147.23	207.25	175.15	92.45	-3,482.13	-7,600.57	3,683.66	3,337.60	346.06	10.645		
15,400.00	7,001.00	12,480.00	7,147.81	209.25	177.35	92.46	-3,484.20	-7,685.93	3,681.22	3,330.88	350.34	10.508		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	7,001.00	12,539.86	7,148.86	211.26	178.89	92.47	-3,485.24	-7,745.76	3,679.73	3,326.75	352.98	10.425		
15,514.00	7,001.00	12,545.10	7,149.04	211.55	179.02	92.48	-3,485.26	-7,751.00	3,679.68	3,326.54	353.14	10.420		
15,600.00	7,001.00	12,575.00	7,150.38	213.30	179.79	92.50	-3,485.13	-7,780.87	3,680.12	3,326.17	353.95	10.397		
15,700.00	7,001.00	12,658.95	7,154.89	215.35	181.95	92.57	-3,483.99	-7,864.69	3,681.57	3,323.45	358.13	10.280		
15,800.00	7,001.00	12,743.68	7,159.72	217.42	184.13	92.64	-3,482.41	-7,949.27	3,683.53	3,321.18	362.35	10.166		
15,900.00	7,001.00	12,851.68	7,164.10	219.50	186.91	92.71	-3,480.15	-8,057.13	3,685.66	3,317.53	368.14	10.012		
16,000.00	7,001.00	12,968.04	7,163.76	221.60	189.91	92.70	-3,477.94	-8,173.48	3,687.38	3,312.91	374.48	9.847		
16,100.00	7,001.00	13,051.00	7,162.68	223.72	192.05	92.68	-3,476.63	-8,256.42	3,688.80	3,310.21	378.60	9.743		
16,200.00	7,001.00	13,201.08	7,159.57	225.85	195.93	92.63	-3,473.87	-8,406.42	3,690.53	3,303.37	387.16	9.532		
16,300.00	7,001.00	13,346.01	7,160.63	228.00	199.70	92.65	-3,474.65	-8,551.32	3,689.56	3,294.22	395.34	9.333		
16,400.00	7,001.00	13,462.68	7,164.63	230.16	202.74	92.71	-3,475.42	-8,667.92	3,688.93	3,287.25	401.68	9.184		
16,500.00	7,001.00	13,745.76	7,163.63	232.34	210.16	92.71	-3,486.15	-8,950.70	3,684.20	3,266.01	418.18	8.810		
16,600.00	7,001.00	13,910.00	7,159.64	234.53	214.47	92.65	-3,496.24	-9,114.57	3,678.09	3,250.93	427.16	8.611		
16,700.00	7,001.00	13,959.31	7,158.69	236.73	215.77	92.64	-3,499.70	-9,163.75	3,670.92	3,241.42	429.50	8.547		
16,800.00	7,001.00	14,005.00	7,158.11	238.95	216.97	92.63	-3,502.16	-9,209.37	3,665.29	3,233.73	431.56	8.493		
16,900.00	7,001.00	14,047.01	7,157.63	241.18	218.08	92.63	-3,503.79	-9,251.34	3,661.17	3,227.86	433.31	8.449		
17,000.00	7,001.00	14,100.00	7,156.78	243.42	219.47	92.61	-3,504.95	-9,304.32	3,658.62	3,222.96	435.66	8.398		
17,100.00	7,001.00	14,138.78	7,156.09	245.67	220.49	92.60	-3,505.22	-9,343.09	3,657.51	3,220.47	437.04	8.369		
17,128.05	7,001.00	14,152.59	7,155.86	246.30	220.85	92.60	-3,505.21	-9,356.90	3,657.45	3,219.86	437.59	8.358		
17,200.00	7,001.00	14,196.00	7,155.20	247.93	221.99	92.59	-3,504.85	-9,400.30	3,657.83	3,218.30	439.53	8.322		
17,300.00	7,001.00	14,332.08	7,152.90	250.21	225.56	92.55	-3,504.42	-9,536.35	3,657.83	3,210.63	447.20	8.179		
17,400.00	7,001.00	14,463.09	7,148.69	252.50	229.00	92.49	-3,504.24	-9,667.30	3,657.80	3,203.29	454.51	8.048		
17,500.00	7,001.00	14,567.14	7,145.11	254.79	231.74	92.43	-3,505.24	-9,771.28	3,656.54	3,196.46	460.08	7.948		
17,600.00	7,001.00	14,716.30	7,139.22	257.10	235.67	92.34	-3,508.20	-9,920.29	3,653.99	3,185.50	468.49	7.800		
17,700.00	7,001.00	14,863.00	7,131.83	259.42	239.54	92.23	-3,511.46	-10,066.76	3,651.66	3,175.00	476.66	7.661		
17,800.00	7,001.00	14,942.79	7,127.75	261.74	241.64	92.17	-3,514.09	-10,146.41	3,648.03	3,167.30	480.73	7.589		
17,900.00	7,001.00	15,039.50	7,120.31	264.08	244.19	92.05	-3,516.65	-10,242.78	3,644.94	3,159.12	485.82	7.503		
18,000.00	7,001.00	15,218.14	7,103.50	266.42	248.88	91.79	-3,523.37	-10,420.50	3,640.64	3,144.83	495.81	7.343		
18,100.00	7,001.00	15,281.73	7,097.93	268.78	250.56	91.70	-3,526.43	-10,483.77	3,635.56	3,136.62	498.93	7.287		
18,200.00	7,001.00	15,340.00	7,092.60	271.14	252.09	91.62	-3,527.73	-10,541.78	3,632.47	3,130.78	501.69	7.240		
18,300.00	7,001.00	15,404.84	7,087.07	273.51	253.80	91.53	-3,528.86	-10,606.37	3,630.16	3,125.36	504.80	7.191		
18,400.00	7,001.00	15,520.48	7,077.43	275.89	256.85	91.38	-3,531.52	-10,721.57	3,627.42	3,116.35	511.07	7.098		
18,500.00	7,001.00	15,619.81	7,068.28	278.27	259.47	91.24	-3,533.63	-10,820.46	3,624.92	3,108.60	516.31	7.021		
18,600.00	7,001.00	15,673.00	7,063.31	280.67	260.87	91.16	-3,534.77	-10,873.40	3,622.70	3,104.04	518.66	6.985		
18,644.00	7,001.00	15,673.00	7,063.31	281.72	260.87	91.16	-3,534.77	-10,873.40	3,622.43	3,104.28	518.14	6.991		
18,700.00	7,001.00	15,673.00	7,063.31	283.07	260.87	91.16	-3,534.77	-10,873.40	3,622.85	3,105.46	517.39	7.002		
18,800.00	7,001.00	15,673.00	7,063.31	285.48	260.87	91.16	-3,534.77	-10,873.40	3,625.76	3,110.00	515.76	7.030		
18,900.00	7,001.00	15,673.00	7,063.31	287.89	260.87	91.16	-3,534.77	-10,873.40	3,631.43	3,117.65	513.78	7.068		
19,000.00	7,001.00	15,673.00	7,063.31	290.31	260.87	91.16	-3,534.77	-10,873.40	3,639.83	3,128.38	511.45	7.117		
19,100.00	7,001.00	15,673.00	7,063.31	292.74	260.87	91.16	-3,534.77	-10,873.40	3,650.95	3,142.17	508.79	7.176		
19,200.00	7,001.00	15,673.00	7,063.31	295.17	260.87	91.16	-3,534.77	-10,873.40	3,664.77	3,158.97	505.80	7.246		
19,300.00	7,001.00	15,673.00	7,063.31	297.61	260.87	91.16	-3,534.77	-10,873.40	3,681.26	3,178.76	502.50	7.326		
19,400.00	7,001.00	15,673.00	7,063.31	300.06	260.87	91.16	-3,534.77	-10,873.40	3,700.37	3,201.46	498.91	7.417		
19,500.00	7,001.00	15,673.00	7,063.31	302.51	260.87	91.16	-3,534.77	-10,873.40	3,722.08	3,227.03	495.04	7.519		
19,600.00	7,001.00	15,673.00	7,063.31	304.97	260.87	91.16	-3,534.77	-10,873.40	3,746.32	3,255.40	490.92	7.631		
19,700.00	7,001.00	15,673.00	7,063.31	307.43	260.87	91.16	-3,534.77	-10,873.40	3,773.07	3,286.51	486.56	7.755		
19,800.00	7,001.00	15,673.00	7,063.31	309.90	260.87	91.16	-3,534.77	-10,873.40	3,802.25	3,320.27	481.99	7.889		
19,900.00	7,001.00	15,673.00	7,063.31	312.38	260.87	91.16	-3,534.77	-10,873.40	3,833.83	3,356.61	477.21	8.034		
20,000.00	7,001.00	15,673.00	7,063.31	314.85	260.87	91.16	-3,534.77	-10,873.40	3,867.73	3,395.46	472.27	8.190		
20,100.00	7,001.00	15,673.00	7,063.31	317.34	260.87	91.16	-3,534.77	-10,873.40	3,903.90	3,436.73	467.17	8.357		
20,200.00	7,001.00	15,673.00	7,063.31	319.83	260.87	91.16	-3,534.77	-10,873.40	3,942.28	3,480.34	461.93	8.534		
20,300.00	7,001.00	15,673.00	7,063.31	322.32	260.87	91.16	-3,534.77	-10,873.40	3,982.79	3,526.21	456.58	8.723		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,400.00	7,001.00	15,673.00	7,063.31	324.82	260.87	91.16	-3,534.77	-10,873.40	4,025.39	3,574.25	451.14	8.923	
20,500.00	7,001.00	15,673.00	7,063.31	327.32	260.87	91.16	-3,534.77	-10,873.40	4,069.99	3,624.37	445.62	9.133	
20,600.00	7,001.00	15,673.00	7,063.31	329.83	260.87	91.16	-3,534.77	-10,873.40	4,116.54	3,676.50	440.04	9.355	
20,700.00	7,001.00	15,673.00	7,063.31	332.34	260.87	91.16	-3,534.77	-10,873.40	4,164.98	3,730.55	434.42	9.587	
20,800.00	7,001.00	15,673.00	7,063.31	334.85	260.87	91.16	-3,534.77	-10,873.40	4,215.23	3,786.45	428.78	9.831	
20,900.00	7,001.00	15,673.00	7,063.31	337.37	260.87	91.16	-3,534.77	-10,873.40	4,267.23	3,844.11	423.12	10.085	
21,000.00	7,001.00	15,673.00	7,063.31	339.89	260.87	91.16	-3,534.77	-10,873.40	4,320.92	3,903.45	417.46	10.350	
21,100.00	7,001.00	15,673.00	7,063.31	342.42	260.87	91.16	-3,534.77	-10,873.40	4,376.23	3,964.41	411.82	10.627	
21,200.00	7,001.00	15,673.00	7,063.31	344.95	260.87	91.16	-3,534.77	-10,873.40	4,433.12	4,026.91	406.20	10.914	
21,300.00	7,001.00	15,673.00	7,063.31	347.48	260.87	91.16	-3,534.77	-10,873.40	4,491.51	4,090.88	400.62	11.211	
21,400.00	7,001.00	15,673.00	7,063.31	350.02	260.87	91.16	-3,534.77	-10,873.40	4,551.34	4,156.26	395.09	11.520	
21,500.00	7,001.00	15,673.00	7,063.31	352.56	260.87	91.16	-3,534.77	-10,873.40	4,612.57	4,222.97	389.60	11.839	
21,600.00	7,001.00	15,673.00	7,063.31	355.10	260.87	91.16	-3,534.77	-10,873.40	4,675.14	4,290.96	384.18	12.169	
21,700.00	7,001.00	15,673.00	7,063.31	357.65	260.87	91.16	-3,534.77	-10,873.40	4,738.99	4,360.17	378.82	12.510	
21,800.00	7,001.00	15,673.00	7,063.31	360.20	260.87	91.16	-3,534.77	-10,873.40	4,804.07	4,430.54	373.53	12.861	
21,818.56	7,001.00	15,673.00	7,063.31	360.67	260.87	91.16	-3,534.77	-10,873.40	4,816.28	4,443.72	372.56	12.928	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	104.58	104.57	0.27	0.15	-168.32	-1,397.42	-288.90	1,427.06	1,426.64	0.42	3,428.542		
200.00	199.98	201.69	201.67	0.62	0.44	-10.60	-1,396.58	-287.49	1,424.20	1,423.14	1.06	1,346.454		
300.00	299.84	287.87	287.85	0.97	0.74	-10.66	-1,396.22	-287.22	1,418.60	1,416.89	1.71	828.714		
400.00	399.45	388.18	388.15	1.34	1.08	-10.71	-1,396.26	-288.32	1,410.29	1,407.87	2.42	582.811		
500.00	498.70	487.87	487.83	1.74	1.43	-10.80	-1,395.91	-289.63	1,398.24	1,395.10	3.14	445.856		
600.00	597.47	573.40	573.36	2.17	1.73	-10.92	-1,396.05	-290.52	1,383.25	1,379.44	3.81	363.295		
700.00	695.62	653.15	653.08	2.62	2.01	-11.04	-1,396.95	-292.46	1,366.07	1,361.61	4.46	306.009		
800.00	793.06	733.72	733.56	3.12	2.30	-11.15	-1,398.81	-295.58	1,346.92	1,341.79	5.13	262.474		
900.00	889.64	815.82	815.52	3.65	2.60	-11.27	-1,401.46	-299.55	1,325.52	1,319.71	5.81	227.982		
1,000.00	985.27	891.00	890.48	4.23	2.87	-11.38	-1,404.75	-304.30	1,302.17	1,295.69	6.48	200.917		
1,100.00	1,079.82	956.75	955.90	4.85	3.12	-11.47	-1,408.79	-309.47	1,277.48	1,270.36	7.13	179.284		
1,200.00	1,173.17	1,026.87	1,025.46	5.52	3.39	-11.57	-1,414.64	-316.04	1,251.82	1,244.02	7.80	160.523		
1,300.00	1,265.21	1,102.59	1,100.33	6.24	3.69	-11.63	-1,422.03	-324.63	1,224.60	1,216.09	8.51	143.965		
1,400.00	1,355.84	1,176.00	1,172.73	7.01	3.99	-11.70	-1,430.10	-333.70	1,195.55	1,186.33	9.22	129.679		
1,500.00	1,444.84	1,248.62	1,244.02	7.82	4.30	-11.74	-1,439.18	-344.11	1,165.04	1,155.10	9.95	117.103		
1,600.00	1,532.39	1,321.71	1,315.25	8.69	4.64	-11.71	-1,449.50	-356.82	1,133.36	1,122.67	10.70	105.954		
1,700.00	1,618.11	1,393.03	1,384.34	9.61	4.98	-11.63	-1,460.47	-370.72	1,100.15	1,088.69	11.46	96.025		
1,800.00	1,701.97	1,462.00	1,450.52	10.58	5.34	-11.50	-1,472.44	-385.96	1,066.07	1,053.85	12.22	87.222		
1,900.00	1,783.88	1,532.40	1,517.49	11.59	5.73	-11.30	-1,485.87	-403.00	1,030.92	1,017.90	13.02	79.202		
2,000.00	1,863.74	1,611.80	1,592.43	12.66	6.19	-10.99	-1,502.01	-423.69	994.28	980.42	13.87	71.699		
2,100.00	1,941.45	1,691.96	1,667.90	13.77	6.68	-10.66	-1,518.75	-444.91	955.24	940.50	14.74	64.820		
2,200.00	2,016.92	1,762.00	1,733.26	14.94	7.13	-10.36	-1,534.82	-464.25	915.18	899.62	15.57	58.791		
2,300.00	2,090.05	1,829.28	1,795.28	16.14	7.59	-9.99	-1,551.42	-484.35	874.29	857.89	16.40	53.310		
2,400.00	2,160.76	1,900.96	1,860.42	17.40	8.12	-9.41	-1,569.88	-507.88	832.33	815.07	17.26	48.224		
2,500.00	2,228.95	1,974.51	1,926.36	18.69	8.69	-8.65	-1,589.83	-533.65	789.38	771.25	18.13	43.536		
2,600.00	2,294.55	2,048.00	1,991.53	20.03	9.29	-7.72	-1,610.29	-560.75	744.94	725.94	19.00	39.209		
2,700.00	2,357.48	2,121.30	2,055.64	21.41	9.92	-6.56	-1,631.53	-589.24	699.49	679.62	19.86	35.214		
2,800.00	2,417.66	2,188.61	2,113.34	22.83	10.55	-5.24	-1,652.12	-617.09	653.81	633.13	20.68	31.621		
2,900.00	2,475.32	2,263.79	2,176.13	24.29	11.28	-3.26	-1,676.02	-650.84	608.54	587.02	21.51	28.286		
3,000.00	2,532.58	2,355.03	2,252.71	25.75	12.19	-0.48	-1,704.55	-691.39	563.17	540.70	22.47	25.063		
3,100.00	2,589.83	2,430.00	2,315.17	27.22	12.96	2.07	-1,729.44	-724.56	520.48	497.16	23.32	22.319		
3,200.00	2,647.08	2,529.99	2,398.85	28.70	13.99	5.89	-1,762.96	-767.81	479.07	454.60	24.47	19.576		
3,300.00	2,704.33	2,596.62	2,454.50	30.17	14.68	8.78	-1,785.75	-796.49	439.62	414.20	25.42	17.294		
3,400.00	2,761.58	2,690.91	2,532.35	31.65	15.68	13.39	-1,819.79	-837.36	404.15	377.19	26.95	14.995		
3,500.00	2,818.84	2,770.65	2,598.88	33.13	16.53	17.80	-1,848.37	-870.77	370.04	341.38	28.66	12.912		
3,600.00	2,876.09	2,852.03	2,665.13	34.62	17.42	22.86	-1,879.60	-906.22	342.21	311.27	30.94	11.061		
3,700.00	2,933.34	2,945.69	2,741.32	36.10	18.45	29.42	-1,915.86	-946.87	318.48	284.16	34.32	9.279		
3,800.00	2,990.59	3,037.46	2,816.94	37.59	19.46	36.57	-1,951.05	-985.14	297.80	259.19	38.61	7.712		
3,900.00	3,047.84	3,124.58	2,888.60	39.08	20.41	44.47	-1,982.69	-1,023.26	284.12	240.23	43.89	6.473		
4,000.00	3,105.10	3,218.33	2,967.20	40.57	21.42	53.79	-2,014.93	-1,062.89	275.93	225.73	50.20	5.497		
4,036.40	3,125.93	3,246.91	2,991.18	41.11	21.73	56.74	-2,024.57	-1,075.07	275.16	222.87	52.30	5.262 CC		
4,100.00	3,162.35	3,298.11	3,033.84	42.06	22.28	62.01	-2,041.75	-1,097.58	277.48	221.61	55.87	4.966 ES		
4,200.00	3,219.60	3,389.01	3,109.89	43.55	23.26	71.14	-2,071.88	-1,137.22	287.90	226.53	61.37	4.691 SF		
4,300.00	3,276.85	3,468.32	3,176.03	45.05	24.13	78.52	-2,098.08	-1,172.28	306.80	241.62	65.18	4.707		
4,400.00	3,334.10	3,559.08	3,251.80	46.54	25.11	86.13	-2,127.39	-1,212.71	332.84	264.28	68.56	4.855		
4,500.00	3,391.35	3,640.59	3,320.77	48.03	25.99	92.34	-2,152.67	-1,248.05	363.91	293.27	70.64	5.152		
4,600.00	3,448.61	3,728.20	3,394.17	49.53	26.93	97.91	-2,180.18	-1,287.17	399.97	327.49	72.49	5.518		
4,700.00	3,505.86	3,819.51	3,471.94	51.03	27.90	103.12	-2,208.30	-1,325.88	438.19	364.08	74.11	5.913		
4,800.00	3,563.11	3,907.94	3,546.72	52.52	28.84	107.27	-2,236.96	-1,363.38	478.00	402.58	75.42	6.338		
4,900.00	3,620.36	3,991.77	3,616.68	54.02	29.76	110.45	-2,264.93	-1,400.14	519.75	443.21	76.55	6.790		
5,000.00	3,677.61	4,076.87	3,686.02	55.52	30.74	112.91	-2,294.18	-1,439.85	563.38	485.51	77.87	7.235		
5,100.00	3,734.87	4,170.24	3,760.84	57.02	31.86	115.02	-2,327.64	-1,484.55	607.23	527.57	79.67	7.622		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,792.12	4,260.79	3,832.84	58.51	32.96	116.70	-2,360.79	-1,528.34	651.21	569.81	81.40	8.000		
5,300.00	3,849.37	4,361.35	3,912.30	60.01	34.19	118.26	-2,398.84	-1,576.84	694.56	610.99	83.57	8.312		
5,400.00	3,906.62	4,461.40	3,991.12	61.51	35.41	119.61	-2,438.19	-1,624.23	736.62	650.95	85.68	8.598		
5,500.00	3,963.87	4,551.78	4,063.81	63.01	36.47	120.91	-2,473.43	-1,664.75	778.30	691.00	87.30	8.915		
5,600.00	4,021.13	4,626.00	4,125.65	64.51	37.29	122.16	-2,500.83	-1,695.29	820.79	732.60	88.19	9.307		
5,700.00	4,078.38	4,706.80	4,194.41	66.01	38.13	123.59	-2,528.94	-1,727.07	864.86	775.72	89.14	9.702		
5,800.00	4,135.63	4,807.17	4,279.61	67.51	39.19	125.16	-2,563.63	-1,767.22	909.81	819.11	90.70	10.031		
5,900.00	4,192.88	4,895.86	4,352.97	69.01	40.18	126.19	-2,596.14	-1,804.98	954.06	861.91	92.15	10.354		
6,000.00	4,250.13	4,992.49	4,431.44	70.51	41.29	127.05	-2,632.47	-1,848.09	998.30	904.32	93.98	10.622		
6,100.00	4,307.39	5,064.50	4,490.19	72.02	42.13	127.66	-2,659.37	-1,879.88	1,042.80	947.72	95.08	10.968		
6,200.00	4,364.64	5,138.58	4,549.92	73.52	43.00	128.15	-2,686.13	-1,914.58	1,089.09	992.77	96.32	11.307		
6,300.00	4,421.89	5,232.67	4,627.41	75.02	44.07	128.88	-2,719.14	-1,956.47	1,135.88	1,037.81	98.07	11.582		
6,400.00	4,479.14	5,325.99	4,706.40	76.52	45.07	129.79	-2,751.96	-1,993.79	1,181.61	1,082.06	99.54	11.870		
6,500.00	4,536.39	5,390.00	4,761.09	78.02	45.73	130.41	-2,773.60	-2,019.02	1,228.63	1,128.43	100.20	12.262		
6,600.00	4,593.64	5,446.16	4,808.75	79.52	46.34	130.87	-2,791.73	-2,042.56	1,277.68	1,176.97	100.71	12.687		
6,700.00	4,650.90	5,508.35	4,860.55	81.03	47.02	131.23	-2,810.91	-2,071.14	1,328.82	1,227.31	101.51	13.091		
6,800.00	4,708.15	5,592.64	4,931.08	82.53	47.96	131.71	-2,836.24	-2,109.69	1,380.73	1,277.68	103.04	13.400		
6,900.00	4,765.40	5,700.41	5,019.15	84.03	49.21	132.11	-2,870.30	-2,161.61	1,431.76	1,326.27	105.50	13.572		
7,000.00	4,822.65	5,789.88	5,092.85	85.53	50.24	132.48	-2,898.88	-2,203.50	1,482.34	1,375.05	107.29	13.816		
7,100.00	4,879.90	5,892.51	5,178.92	87.04	51.36	133.00	-2,932.07	-2,248.46	1,532.05	1,422.76	109.29	14.018		
7,200.00	4,937.16	5,967.95	5,243.49	88.54	52.15	133.48	-2,956.01	-2,279.25	1,581.90	1,471.52	110.38	14.331		
7,300.00	4,994.41	6,032.35	5,299.60	90.04	52.79	133.94	-2,975.59	-2,304.08	1,632.63	1,521.54	111.09	14.697		
7,400.00	5,051.66	6,132.71	5,387.75	91.54	53.77	134.65	-3,004.84	-2,342.10	1,684.57	1,571.93	112.64	14.955		
7,500.00	5,108.91	6,304.51	5,534.97	93.05	55.53	135.61	-3,062.83	-2,408.94	1,732.14	1,616.15	115.99	14.933		
7,600.00	5,166.16	6,388.01	5,604.32	94.55	56.44	135.90	-3,092.91	-2,444.37	1,778.78	1,661.32	117.46	15.143		
7,700.00	5,223.42	6,465.00	5,668.90	96.05	57.28	136.20	-3,120.28	-2,476.13	1,825.77	1,707.02	118.74	15.376		
7,800.00	5,280.67	6,528.10	5,722.53	97.56	57.95	136.47	-3,141.99	-2,501.29	1,873.65	1,754.04	119.61	15.664		
7,900.00	5,337.92	6,584.72	5,770.80	99.06	58.54	136.70	-3,160.70	-2,524.24	1,922.88	1,802.55	120.33	15.980		
8,000.00	5,395.17	6,637.05	5,815.63	100.56	59.08	136.91	-3,177.16	-2,545.63	1,973.60	1,852.67	120.93	16.320		
8,100.00	5,452.42	6,711.80	5,879.77	102.07	59.86	137.19	-3,199.74	-2,576.66	2,025.51	1,903.40	122.11	16.588		
8,200.00	5,509.68	6,802.83	5,956.89	103.57	60.85	137.45	-3,227.57	-2,616.22	2,077.38	1,953.56	123.83	16.777		
8,300.00	5,566.93	6,965.03	6,090.31	105.08	62.69	137.67	-3,280.66	-2,691.58	2,127.75	2,000.10	127.65	16.668		
8,400.00	5,624.18	7,038.00	6,151.84	106.58	63.49	137.87	-3,305.24	-2,722.14	2,176.71	2,047.82	128.89	16.889		
8,500.00	5,681.43	7,195.81	6,289.13	108.08	65.02	138.59	-3,358.87	-2,778.37	2,224.85	2,093.35	131.50	16.919		
8,600.00	5,738.68	7,324.00	6,397.28	109.59	66.37	139.00	-3,406.91	-2,827.49	2,269.80	2,136.05	133.76	16.970		
8,700.00	5,795.93	7,363.07	6,429.79	111.09	66.80	139.08	-3,421.34	-2,843.66	2,315.81	2,181.52	134.29	17.245		
8,800.00	5,853.19	7,420.00	6,477.26	112.60	67.43	139.18	-3,441.17	-2,868.04	2,363.74	2,228.53	135.22	17.481		
8,900.00	5,910.44	7,455.74	6,507.13	114.10	67.83	139.24	-3,453.05	-2,883.64	2,413.05	2,277.43	135.62	17.793		
9,000.00	5,967.69	7,515.41	6,557.22	115.60	68.49	139.34	-3,472.38	-2,909.67	2,463.50	2,326.91	136.59	18.035		
9,100.00	6,024.94	7,664.34	6,678.89	117.11	70.23	139.43	-3,522.80	-2,979.13	2,512.53	2,372.47	140.06	17.939		
9,200.00	6,082.19	7,730.69	6,732.32	118.61	71.01	139.44	-3,545.65	-3,011.15	2,561.52	2,420.12	141.40	18.115		
9,300.00	6,139.45	7,781.88	6,774.89	120.12	71.59	139.50	-3,562.51	-3,034.04	2,611.59	2,469.37	142.22	18.363		
9,400.00	6,196.70	7,847.78	6,831.10	121.62	72.30	139.64	-3,583.26	-3,061.46	2,662.68	2,519.39	143.29	18.582		
9,500.00	6,253.95	7,897.00	6,872.86	123.13	72.82	139.73	-3,598.66	-3,082.49	2,714.30	2,570.34	143.96	18.854		
9,600.00	6,311.20	7,966.45	6,931.00	124.63	73.60	139.80	-3,619.88	-3,113.97	2,766.64	2,621.39	145.25	19.048		
9,700.00	6,368.45	7,993.00	6,952.92	126.13	73.90	139.81	-3,627.75	-3,126.72	2,820.28	2,674.89	145.39	19.398		
9,800.00	6,425.71	8,051.83	7,000.39	127.64	74.62	139.77	-3,644.49	-3,157.15	2,874.93	2,728.33	146.60	19.611		
9,900.00	6,482.96	8,088.00	7,028.62	129.14	75.07	139.70	-3,654.21	-3,177.57	2,930.99	2,783.86	147.13	19.921		
10,000.00	6,540.21	8,140.29	7,067.34	130.65	75.81	139.53	-3,667.71	-3,209.98	2,988.11	2,839.69	148.42	20.133		
10,100.00	6,597.46	8,208.11	7,112.84	132.15	76.82	139.14	-3,684.52	-3,257.34	3,046.17	2,895.63	150.54	20.235		
10,200.00	6,654.71	8,313.76	7,176.26	133.66	78.57	138.35	-3,711.80	-3,337.24	3,103.38	2,948.73	154.65	20.067		
10,300.00	6,711.97	8,374.00	7,207.31	135.16	79.62	137.79	-3,726.76	-3,386.62	3,161.54	3,004.66	156.87	20.153		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 - PATT 901												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,400.00	6,769.19	8,404.18	7,221.37	136.67	80.18	135.95	-3,733.92	-3,412.34	3,220.56	3,062.88	157.68	20.425	
10,500.00	6,824.05	8,470.00	7,249.04	138.22	81.40	123.56	-3,749.01	-3,470.11	3,276.01	3,115.83	160.18	20.452	
10,600.00	6,873.81	8,470.00	7,249.04	139.81	81.40	113.99	-3,749.01	-3,470.11	3,323.91	3,164.99	158.92	20.916	
10,700.00	6,916.95	8,517.85	7,266.34	141.38	82.32	106.41	-3,758.87	-3,513.61	3,362.95	3,202.89	160.05	21.011	
10,800.00	6,952.17	8,565.00	7,280.75	142.87	83.22	100.92	-3,766.98	-3,557.76	3,392.85	3,231.84	161.00	21.073	
10,900.00	6,978.39	8,599.16	7,289.36	144.24	83.89	97.32	-3,772.19	-3,590.39	3,412.05	3,250.92	161.13	21.176	
11,000.00	6,994.82	8,661.00	7,300.42	145.43	85.11	95.46	-3,781.25	-3,650.54	3,419.41	3,256.58	162.84	20.999	
11,100.00	7,000.96	8,703.98	7,306.09	146.41	85.96	95.29	-3,786.82	-3,692.78	3,415.30	3,251.87	163.43	20.897	
11,200.00	7,001.00	8,756.00	7,313.03	147.26	86.99	95.47	-3,792.07	-3,744.06	3,405.87	3,241.28	164.59	20.693	
11,300.00	7,001.00	8,780.57	7,316.08	148.14	87.47	95.52	-3,794.10	-3,768.35	3,397.94	3,233.88	164.06	20.711	
11,400.00	7,001.00	8,851.00	7,322.00	149.06	88.85	95.63	-3,799.10	-3,838.34	3,391.46	3,225.07	166.39	20.383	
11,500.00	7,001.00	8,851.00	7,322.00	150.00	88.85	95.63	-3,799.10	-3,838.34	3,386.77	3,222.48	164.29	20.614	
11,600.00	7,001.00	8,947.00	7,326.49	150.97	90.73	95.71	-3,802.47	-3,934.17	3,383.58	3,215.30	168.28	20.107	
11,700.00	7,001.00	8,957.81	7,326.90	151.97	90.94	95.72	-3,802.55	-3,944.97	3,381.93	3,215.09	166.84	20.271	
11,772.22	7,001.00	9,014.42	7,328.61	152.71	92.04	95.75	-3,802.76	-4,001.55	3,381.77	3,212.82	168.95	20.017	
11,800.00	7,001.00	9,042.00	7,329.18	153.00	92.58	95.76	-3,802.74	-4,029.13	3,381.80	3,211.67	170.13	19.878	
11,900.00	7,001.00	9,262.80	7,327.12	154.06	97.01	95.73	-3,806.33	-4,249.86	3,379.81	3,197.49	182.33	18.537	
12,000.00	7,001.00	9,329.00	7,325.48	155.15	98.39	95.70	-3,808.60	-4,316.00	3,376.26	3,191.68	184.57	18.293	
12,100.00	7,001.00	9,397.65	7,323.69	156.27	99.81	95.68	-3,810.27	-4,384.61	3,373.64	3,186.64	187.00	18.041	
12,181.61	7,001.00	9,424.00	7,323.07	157.21	100.36	95.67	-3,810.48	-4,410.95	3,372.88	3,185.85	187.03	18.034	
12,200.00	7,001.00	9,424.00	7,323.07	157.43	100.36	95.67	-3,810.48	-4,410.95	3,372.93	3,186.29	186.64	18.072	
12,300.00	7,001.00	9,475.06	7,322.49	158.61	101.42	95.66	-3,810.01	-4,462.01	3,373.88	3,185.96	187.92	17.954	
12,400.00	7,001.00	9,520.00	7,322.94	159.82	102.35	95.66	-3,808.54	-4,506.91	3,376.86	3,188.07	188.79	17.887	
12,500.00	7,001.00	9,769.88	7,328.78	161.07	107.65	95.75	-3,803.26	-4,756.62	3,380.19	3,176.64	203.55	16.606	
12,600.00	7,001.00	9,943.10	7,333.45	162.34	111.50	95.84	-3,807.67	-4,929.72	3,377.38	3,164.23	213.14	15.845	
12,700.00	7,001.00	9,998.00	7,335.02	163.64	112.74	95.87	-3,809.08	-4,984.58	3,375.00	3,160.13	214.87	15.707	
12,800.00	7,001.00	10,053.74	7,336.07	164.98	113.99	95.89	-3,809.71	-5,040.30	3,373.96	3,157.30	216.66	15.573	
12,822.60	7,001.00	10,065.37	7,336.15	165.28	114.25	95.89	-3,809.72	-5,051.93	3,373.92	3,156.93	216.99	15.549	
12,900.00	7,001.00	10,145.56	7,335.79	166.34	116.06	95.88	-3,809.27	-5,132.12	3,374.21	3,153.32	220.88	15.276	
13,000.00	7,001.00	10,520.62	7,339.30	167.74	124.77	95.97	-3,823.50	-5,506.72	3,371.24	3,127.31	243.93	13.821	
13,100.00	7,001.00	10,572.00	7,339.17	169.16	126.00	95.97	-3,827.79	-5,557.92	3,363.23	3,117.59	245.64	13.692	
13,200.00	7,001.00	10,632.58	7,339.27	170.61	127.44	95.98	-3,832.07	-5,618.34	3,356.43	3,108.49	247.94	13.537	
13,300.00	7,001.00	10,667.00	7,339.80	172.10	128.26	95.99	-3,833.72	-5,652.72	3,351.74	3,103.26	248.48	13.489	
13,400.00	7,001.00	10,713.32	7,340.54	173.61	129.36	96.01	-3,835.11	-5,699.01	3,348.82	3,099.05	249.77	13.408	
13,500.00	7,001.00	10,763.00	7,340.85	175.15	130.54	96.02	-3,835.62	-5,748.69	3,347.59	3,096.33	251.26	13.323	
13,519.31	7,001.00	10,763.00	7,340.85	175.45	130.54	96.02	-3,835.62	-5,748.69	3,347.53	3,096.65	250.88	13.343	
13,600.00	7,001.00	10,763.00	7,340.85	176.72	130.54	96.02	-3,835.62	-5,748.69	3,348.51	3,099.26	249.24	13.435	
13,700.00	7,001.00	10,823.19	7,341.56	178.31	131.95	96.03	-3,834.56	-5,808.86	3,350.74	3,099.35	251.39	13.329	
13,800.00	7,001.00	10,858.00	7,342.54	179.94	132.76	96.04	-3,832.97	-5,843.62	3,355.34	3,103.65	251.69	13.331	
13,900.00	7,001.00	11,045.75	7,350.12	181.59	137.19	96.16	-3,825.99	-6,031.07	3,359.08	3,096.10	262.97	12.773	
14,000.00	7,001.00	11,145.00	7,354.32	183.26	139.56	96.22	-3,823.37	-6,130.19	3,362.00	3,094.06	267.94	12.548	
14,100.00	7,001.00	11,215.69	7,355.98	184.97	141.25	96.25	-3,820.61	-6,200.81	3,365.80	3,094.92	270.88	12.425	
14,200.00	7,001.00	11,367.34	7,354.70	186.70	144.89	96.22	-3,816.09	-6,352.38	3,368.34	3,088.75	279.59	12.047	
14,300.00	7,001.00	11,559.48	7,348.25	188.45	149.55	96.10	-3,812.04	-6,544.34	3,370.52	3,079.45	291.06	11.580	
14,363.44	7,001.00	11,609.02	7,347.95	189.57	150.77	96.10	-3,812.05	-6,593.88	3,370.37	3,077.04	293.32	11.490	
14,400.00	7,001.00	11,643.65	7,348.19	190.23	151.63	96.10	-3,812.01	-6,628.50	3,370.38	3,075.33	295.05	11.423	
14,500.00	7,001.00	11,762.21	7,347.46	192.03	154.56	96.09	-3,811.96	-6,747.06	3,370.21	3,068.79	301.41	11.181	
14,600.00	7,001.00	11,902.72	7,349.21	193.86	158.05	96.12	-3,813.48	-6,887.55	3,369.11	3,059.84	309.28	10.893	
14,700.00	7,001.00	11,966.01	7,349.39	195.71	159.63	96.13	-3,814.20	-6,950.83	3,367.88	3,056.00	311.88	10.799	
14,760.47	7,001.00	12,005.00	7,349.68	196.83	160.61	96.13	-3,814.26	-6,989.82	3,367.72	3,054.22	313.49	10.743	
14,800.00	7,001.00	12,029.71	7,349.85	197.58	161.22	96.13	-3,814.17	-7,014.54	3,367.82	3,053.33	314.49	10.709	
14,900.00	7,001.00	12,340.61	7,353.73	199.47	169.07	96.22	-3,823.74	-7,325.10	3,363.89	3,030.14	333.75	10.079	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 36-T7N-R67W - ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 - PATT 901		Offset Site Error:		0.00 usft	
Survey Program:		130-MWD OWSG											Offset Well Error:		0.00 usft			
Reference		Offset		Semi Major Axis		Distance								Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor						
15,000.00	7,001.00	12,471.38	7,354.49	201.39	172.41	96.25	-3,832.02	-7,455.60	3,357.47	3,016.62	340.85	9.850						
15,100.00	7,001.00	12,540.69	7,355.54	203.32	174.18	96.27	-3,836.78	-7,524.74	3,350.81	3,006.79	344.02	9.740						
15,200.00	7,001.00	12,576.00	7,356.89	205.28	175.09	96.30	-3,838.73	-7,559.97	3,345.81	3,000.89	344.92	9.700						
15,300.00	7,001.00	12,627.57	7,359.02	207.25	176.40	96.34	-3,840.71	-7,611.46	3,342.45	2,995.62	346.83	9.637						
15,400.00	7,001.00	12,671.00	7,360.42	209.25	177.51	96.37	-3,841.47	-7,654.85	3,340.87	2,992.75	348.12	9.597						
15,478.77	7,001.00	12,724.32	7,361.47	210.83	178.86	96.38	-3,841.67	-7,708.16	3,340.60	2,990.18	350.43	9.533						
15,500.00	7,001.00	12,739.58	7,361.59	211.26	179.25	96.39	-3,841.65	-7,723.42	3,340.62	2,989.52	351.11	9.515						
15,600.00	7,001.00	12,910.97	7,360.00	213.30	183.62	96.36	-3,842.70	-7,894.79	3,339.76	2,978.54	361.22	9.246						
15,700.00	7,001.00	12,957.00	7,358.48	215.35	184.79	96.34	-3,843.39	-7,940.79	3,338.21	2,975.51	362.70	9.204						
15,800.00	7,001.00	13,052.00	7,355.20	217.42	187.21	96.28	-3,843.15	-8,035.73	3,337.92	2,970.37	367.56	9.081						
15,900.00	7,001.00	13,185.46	7,359.64	219.50	190.63	96.36	-3,844.27	-8,169.03	3,337.32	2,962.27	375.05	8.898						
16,000.00	7,001.00	13,299.48	7,362.67	221.60	193.57	96.41	-3,845.70	-8,283.00	3,336.25	2,955.04	381.20	8.752						
16,100.00	7,001.00	13,380.21	7,363.95	223.72	195.65	96.44	-3,847.23	-8,363.69	3,334.49	2,949.40	385.09	8.659						
16,154.00	7,001.00	13,400.26	7,364.04	224.87	196.16	96.44	-3,847.31	-8,383.75	3,334.21	2,948.66	385.55	8.648						
16,200.00	7,001.00	13,433.00	7,363.95	225.85	197.01	96.44	-3,846.98	-8,416.48	3,334.50	2,947.48	387.02	8.616						
16,300.00	7,001.00	13,494.95	7,363.01	228.00	198.59	96.42	-3,845.78	-8,478.41	3,335.85	2,946.30	389.55	8.563						
16,400.00	7,001.00	13,577.54	7,360.96	230.16	200.71	96.38	-3,844.05	-8,560.96	3,337.52	2,943.97	393.55	8.481						
16,500.00	7,001.00	13,661.10	7,360.68	232.34	202.86	96.37	-3,841.83	-8,644.49	3,339.94	2,942.34	397.60	8.400						
16,600.00	7,001.00	13,752.91	7,359.90	234.53	205.22	96.36	-3,839.26	-8,736.26	3,342.48	2,940.22	402.26	8.309						
16,700.00	7,001.00	13,831.65	7,360.54	236.73	207.25	96.36	-3,836.68	-8,814.95	3,345.64	2,939.69	405.95	8.241						
16,800.00	7,001.00	13,926.50	7,360.70	238.95	209.69	96.36	-3,833.30	-8,909.74	3,349.05	2,938.22	410.83	8.152						
16,900.00	7,001.00	14,006.00	7,358.73	241.18	211.73	96.32	-3,829.69	-8,989.13	3,353.09	2,938.50	414.59	8.088						
17,000.00	7,001.00	14,154.89	7,356.30	243.42	215.57	96.27	-3,823.88	-9,137.87	3,356.68	2,933.22	423.46	7.927						
17,100.00	7,001.00	14,302.85	7,356.90	245.67	219.41	96.27	-3,820.66	-9,285.79	3,358.74	2,926.57	432.17	7.772						
17,200.00	7,001.00	14,439.38	7,355.62	247.93	222.97	96.25	-3,818.77	-9,422.30	3,359.98	2,919.96	440.02	7.636						
17,300.00	7,001.00	14,580.13	7,357.40	250.21	226.65	96.28	-3,819.66	-9,563.03	3,359.23	2,911.15	448.09	7.497						
17,389.50	7,001.00	14,635.97	7,358.61	252.26	228.11	96.30	-3,819.97	-9,618.85	3,358.80	2,908.31	450.48	7.456						
17,400.00	7,001.00	14,642.63	7,358.70	252.50	228.28	96.30	-3,819.97	-9,625.51	3,358.80	2,908.03	450.77	7.451						
17,500.00	7,001.00	14,746.20	7,358.16	254.79	230.99	96.29	-3,819.39	-9,729.08	3,359.15	2,902.85	456.30	7.362						
17,560.04	7,001.00	14,806.56	7,355.95	256.18	232.57	96.25	-3,819.10	-9,789.40	3,359.09	2,899.59	459.51	7.310						
17,600.00	7,001.00	14,840.82	7,354.32	257.10	233.47	96.23	-3,818.84	-9,823.61	3,359.13	2,897.90	461.23	7.283						
17,700.00	7,001.00	14,985.06	7,344.81	259.42	237.23	96.06	-3,818.34	-9,967.54	3,358.59	2,888.99	469.60	7.152						
17,800.00	7,001.00	15,232.78	7,337.59	261.74	243.75	95.95	-3,823.88	-10,215.03	3,356.85	2,872.33	484.53	6.928						
17,900.00	7,001.00	15,356.61	7,334.25	264.08	247.02	95.91	-3,830.87	-10,338.61	3,350.76	2,859.47	491.29	6.820						
18,000.00	7,001.00	15,437.00	7,329.83	266.42	249.14	95.84	-3,835.11	-10,418.76	3,344.79	2,849.39	495.39	6.752						
18,100.00	7,001.00	15,524.36	7,324.58	268.78	251.44	95.76	-3,839.25	-10,505.87	3,339.29	2,839.37	499.92	6.680						
18,200.00	7,001.00	15,586.52	7,321.07	271.14	253.08	95.70	-3,841.78	-10,567.87	3,334.54	2,831.70	502.84	6.631						
18,300.00	7,001.00	15,661.55	7,315.57	273.51	255.05	95.61	-3,843.80	-10,642.67	3,330.92	2,824.36	506.56	6.576						
18,400.00	7,001.00	15,767.98	7,309.05	275.89	257.85	95.51	-3,846.73	-10,748.86	3,327.42	2,815.11	512.31	6.495						
18,500.00	7,001.00	15,870.17	7,300.79	278.27	260.54	95.37	-3,849.50	-10,850.68	3,323.78	2,805.99	517.79	6.419						
18,600.00	7,001.00	15,895.00	7,298.68	280.67	261.20	95.33	-3,850.17	-10,875.41	3,320.98	2,802.86	518.12	6.410						
18,646.00	7,001.00	15,895.00	7,298.68	281.77	261.20	95.33	-3,850.17	-10,875.41	3,320.66	2,803.28	517.39	6.418						
18,700.00	7,001.00	15,895.00	7,298.68	283.07	261.20	95.33	-3,850.17	-10,875.41	3,321.10	2,804.69	516.41	6.431						
18,800.00	7,001.00	15,895.00	7,298.68	285.48	261.20	95.33	-3,850.17	-10,875.41	3,324.23	2,809.95	514.28	6.464						
18,900.00	7,001.00	15,895.00	7,298.68	287.89	261.20	95.33	-3,850.17	-10,875.41	3,330.36	2,818.64	511.72	6.508						
19,000.00	7,001.00	15,895.00	7,298.68	290.31	261.20	95.33	-3,850.17	-10,875.41	3,339.48	2,830.71	508.77	6.564						
19,100.00	7,001.00	15,895.00	7,298.68	292.74	261.20	95.33	-3,850.17	-10,875.41	3,351.55	2,846.13	505.42	6.631						
19,200.00	7,001.00	15,895.00	7,298.68	295.17	261.20	95.33	-3,850.17	-10,875.41	3,366.56	2,864.86	501.70	6.710						
19,300.00	7,001.00	15,895.00	7,298.68	297.61	261.20	95.33	-3,850.17	-10,875.41	3,384.45	2,886.83	497.62	6.801						
19,400.00	7,001.00	15,895.00	7,298.68	300.06	261.20	95.33	-3,850.17	-10,875.41	3,405.19	2,911.97	493.22	6.904						
19,500.00	7,001.00	15,895.00	7,298.68	302.51	261.20	95.33	-3,850.17	-10,875.41	3,428.72	2,940.21	488.51	7.019						
19,600.00	7,001.00	15,895.00	7,298.68	304.97	261.20	95.33	-3,850.17	-10,875.41	3,454.98	2,971.46	483.52	7.145						

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,700.00	7,001.00	15,895.00	7,298.68	307.43	261.20	95.33	-3,850.17	-10,875.41	3,483.92	3,005.64	478.28	7.284	
19,800.00	7,001.00	15,895.00	7,298.68	309.90	261.20	95.33	-3,850.17	-10,875.41	3,515.47	3,042.65	472.81	7.435	
19,900.00	7,001.00	15,895.00	7,298.68	312.38	261.20	95.33	-3,850.17	-10,875.41	3,549.55	3,082.40	467.15	7.598	
20,000.00	7,001.00	15,895.00	7,298.68	314.85	261.20	95.33	-3,850.17	-10,875.41	3,586.10	3,124.78	461.31	7.774	
20,100.00	7,001.00	15,895.00	7,298.68	317.34	261.20	95.33	-3,850.17	-10,875.41	3,625.04	3,169.70	455.33	7.961	
20,200.00	7,001.00	15,895.00	7,298.68	319.83	261.20	95.33	-3,850.17	-10,875.41	3,666.29	3,217.05	449.24	8.161	
20,300.00	7,001.00	15,895.00	7,298.68	322.32	261.20	95.33	-3,850.17	-10,875.41	3,709.78	3,266.74	443.05	8.373	
20,400.00	7,001.00	15,895.00	7,298.68	324.82	261.20	95.33	-3,850.17	-10,875.41	3,755.44	3,318.65	436.79	8.598	
20,500.00	7,001.00	15,895.00	7,298.68	327.32	261.20	95.33	-3,850.17	-10,875.41	3,803.17	3,372.69	430.48	8.835	
20,600.00	7,001.00	15,895.00	7,298.68	329.83	261.20	95.33	-3,850.17	-10,875.41	3,852.91	3,428.76	424.14	9.084	
20,700.00	7,001.00	15,895.00	7,298.68	332.34	261.20	95.33	-3,850.17	-10,875.41	3,904.57	3,486.77	417.80	9.346	
20,800.00	7,001.00	15,895.00	7,298.68	334.85	261.20	95.33	-3,850.17	-10,875.41	3,958.09	3,546.63	411.46	9.620	
20,900.00	7,001.00	15,895.00	7,298.68	337.37	261.20	95.33	-3,850.17	-10,875.41	4,013.39	3,608.23	405.15	9.906	
21,000.00	7,001.00	15,895.00	7,298.68	339.89	261.20	95.33	-3,850.17	-10,875.41	4,070.39	3,671.51	398.89	10.204	
21,100.00	7,001.00	15,895.00	7,298.68	342.42	261.20	95.33	-3,850.17	-10,875.41	4,129.03	3,736.36	392.67	10.515	
21,200.00	7,001.00	15,895.00	7,298.68	344.95	261.20	95.33	-3,850.17	-10,875.41	4,189.23	3,802.72	386.51	10.838	
21,300.00	7,001.00	15,895.00	7,298.68	347.48	261.20	95.33	-3,850.17	-10,875.41	4,250.94	3,870.50	380.44	11.174	
21,400.00	7,001.00	15,895.00	7,298.68	350.02	261.20	95.33	-3,850.17	-10,875.41	4,314.08	3,939.64	374.44	11.521	
21,500.00	7,001.00	15,895.00	7,298.68	352.56	261.20	95.33	-3,850.17	-10,875.41	4,378.59	4,010.06	368.53	11.881	
21,600.00	7,001.00	15,895.00	7,298.68	355.10	261.20	95.33	-3,850.17	-10,875.41	4,444.42	4,081.70	362.73	12.253	
21,700.00	7,001.00	15,895.00	7,298.68	357.65	261.20	95.33	-3,850.17	-10,875.41	4,511.51	4,154.49	357.02	12.637	
21,800.00	7,001.00	15,895.00	7,298.68	360.20	261.20	95.33	-3,850.17	-10,875.41	4,579.79	4,228.37	351.42	13.032	
21,818.56	7,001.00	15,895.00	7,298.68	360.67	261.20	95.33	-3,850.17	-10,875.41	4,592.59	4,242.20	350.39	13.107	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	100.52	100.52	0.27	0.14	-169.19	-1,418.63	-270.80	1,444.30	1,443.89	0.41	3,523.447		
200.00	199.98	207.71	207.69	0.62	0.46	-11.47	-1,417.61	-269.43	1,441.41	1,440.33	1.08	1,334.542		
300.00	299.84	303.33	303.30	0.97	0.80	-11.58	-1,416.62	-268.06	1,435.01	1,433.23	1.78	806.338		
400.00	399.45	381.28	381.24	1.34	1.07	-11.71	-1,416.42	-267.25	1,426.06	1,423.65	2.41	591.848		
500.00	498.70	464.44	464.40	1.74	1.36	-11.82	-1,417.32	-267.77	1,415.26	1,412.20	3.06	462.843		
600.00	597.47	550.66	550.59	2.17	1.65	-11.97	-1,418.90	-268.49	1,401.89	1,398.16	3.72	376.552		
700.00	695.62	628.09	627.98	2.62	1.92	-12.12	-1,421.04	-270.13	1,386.31	1,381.94	4.37	317.479		
800.00	793.06	700.00	699.76	3.12	2.17	-12.24	-1,424.31	-272.94	1,369.32	1,364.32	5.00	273.923		
900.00	889.64	772.78	772.26	3.65	2.44	-12.34	-1,428.72	-277.46	1,350.84	1,345.20	5.65	239.248		
1,000.00	985.27	845.41	844.42	4.23	2.71	-12.39	-1,433.98	-283.79	1,330.69	1,324.38	6.31	211.051		
1,100.00	1,079.82	922.79	921.06	4.85	3.00	-12.43	-1,440.88	-291.90	1,309.07	1,302.07	7.00	187.133		
1,200.00	1,173.17	1,004.91	1,002.25	5.52	3.33	-12.46	-1,448.82	-301.31	1,285.11	1,277.39	7.72	166.458		
1,300.00	1,265.21	1,082.00	1,078.02	6.24	3.66	-12.44	-1,457.54	-312.48	1,259.83	1,251.39	8.44	149.229		
1,400.00	1,355.84	1,137.31	1,132.04	7.01	3.91	-12.42	-1,464.87	-321.88	1,233.45	1,224.36	9.10	135.581		
1,500.00	1,444.94	1,207.34	1,200.07	7.82	4.24	-12.36	-1,475.50	-334.63	1,206.14	1,196.31	9.83	122.723		
1,600.00	1,532.39	1,272.00	1,262.61	8.69	4.55	-12.31	-1,486.30	-347.00	1,177.42	1,166.87	10.55	111.611		
1,700.00	1,618.11	1,351.89	1,339.39	9.61	4.97	-12.21	-1,500.97	-363.44	1,147.25	1,135.89	11.36	100.979		
1,800.00	1,701.97	1,421.82	1,405.99	10.58	5.37	-12.08	-1,515.03	-379.48	1,115.97	1,103.82	12.15	91.853		
1,900.00	1,783.88	1,503.01	1,482.47	11.59	5.85	-11.80	-1,532.45	-400.44	1,083.39	1,070.39	13.01	83.278		
2,000.00	1,863.74	1,586.66	1,561.10	12.66	6.38	-11.51	-1,550.55	-422.47	1,048.06	1,034.16	13.90	75.397		
2,100.00	1,941.45	1,667.00	1,636.07	13.77	6.90	-11.22	-1,569.51	-444.27	1,011.50	996.71	14.79	68.404		
2,200.00	2,016.92	1,728.13	1,692.51	14.94	7.33	-10.99	-1,584.91	-461.98	973.66	958.06	15.60	62.429		
2,300.00	2,090.05	1,797.40	1,755.64	16.14	7.85	-10.58	-1,603.01	-484.01	934.68	918.22	16.45	56.803		
2,400.00	2,160.76	1,858.00	1,810.01	17.40	8.32	-10.14	-1,619.90	-504.76	895.13	877.86	17.27	51.843		
2,500.00	2,228.95	1,925.87	1,869.94	18.69	8.89	-9.55	-1,640.40	-529.13	855.30	837.18	18.13	47.185		
2,600.00	2,294.55	1,992.02	1,927.41	20.03	9.47	-8.92	-1,662.21	-553.58	815.39	796.43	18.97	42.986		
2,700.00	2,357.48	2,061.08	1,986.55	21.41	10.11	-8.19	-1,686.61	-579.57	775.07	755.25	19.82	39.105		
2,800.00	2,417.66	2,132.27	2,046.56	22.83	10.79	-7.33	-1,713.15	-607.19	734.19	713.51	20.67	35.512		
2,900.00	2,475.32	2,203.89	2,105.75	24.29	11.52	-6.23	-1,740.93	-636.39	693.08	671.56	21.52	32.210		
3,000.00	2,532.58	2,277.77	2,165.37	25.75	12.32	-4.74	-1,770.35	-668.59	654.25	631.91	22.34	29.290		
3,100.00	2,589.83	2,360.71	2,231.11	27.22	13.24	-2.82	-1,804.43	-705.96	618.03	594.82	23.21	26.628		
3,200.00	2,647.08	2,454.58	2,306.12	28.70	14.30	-0.53	-1,843.14	-747.02	582.08	557.89	24.19	24.059		
3,300.00	2,704.33	2,531.99	2,367.06	30.17	15.18	1.67	-1,875.53	-782.09	548.55	523.52	25.03	21.919		
3,400.00	2,761.58	2,634.83	2,448.14	31.65	16.38	4.91	-1,918.65	-828.37	516.13	489.91	26.22	19.686		
3,500.00	2,818.84	2,736.64	2,529.96	33.13	17.53	8.35	-1,960.76	-871.91	483.10	455.56	27.54	17.540		
3,600.00	2,876.09	2,835.28	2,610.84	34.62	18.62	12.01	-2,000.62	-911.90	449.16	420.11	29.05	15.462		
3,700.00	2,933.34	2,917.96	2,678.19	36.10	19.55	15.92	-2,032.38	-947.82	417.53	386.79	30.74	13.583		
3,800.00	2,990.59	3,009.19	2,752.13	37.59	20.59	21.05	-2,066.40	-989.01	389.15	355.95	33.19	11.724		
3,900.00	3,047.84	3,107.03	2,832.48	39.08	21.69	27.25	-2,102.22	-1,031.85	362.76	326.15	36.61	9.909		
4,000.00	3,105.10	3,193.00	2,903.26	40.57	22.64	33.35	-2,133.61	-1,069.19	340.43	299.74	40.69	8.366		
4,100.00	3,162.35	3,270.39	2,966.12	42.06	23.54	39.33	-2,162.33	-1,104.01	325.15	279.75	45.39	7.163		
4,200.00	3,219.60	3,362.45	3,040.24	43.55	24.61	46.82	-2,196.88	-1,146.29	317.11	265.77	51.34	6.177		
4,300.00	3,276.85	3,462.33	3,122.01	45.05	25.74	55.22	-2,233.98	-1,190.01	313.38	255.42	57.96	5.407		
4,332.41	3,295.41	3,491.69	3,146.39	45.53	26.07	57.72	-2,244.81	-1,202.28	312.97	252.98	59.98	5.218 CC		
4,400.00	3,334.10	3,544.77	3,190.16	46.54	26.66	62.23	-2,264.40	-1,225.04	315.18	251.50	63.69	4.949 ES		
4,500.00	3,391.35	3,638.61	3,267.24	48.03	27.71	70.01	-2,298.64	-1,266.17	325.07	255.75	69.32	4.689		
4,600.00	3,448.61	3,731.90	3,345.52	49.53	28.73	77.54	-2,331.89	-1,304.50	338.83	264.71	74.13	4.571 SF		
4,700.00	3,505.86	3,816.20	3,415.36	51.03	29.66	83.54	-2,363.64	-1,339.42	358.13	280.58	77.55	4.618		
4,800.00	3,563.11	3,903.88	3,487.54	52.52	30.63	89.15	-2,396.15	-1,377.13	383.48	303.10	80.38	4.771		
4,900.00	3,620.36	3,990.55	3,560.31	54.02	31.58	94.42	-2,427.02	-1,412.64	411.76	329.23	82.54	4.989		
5,000.00	3,677.61	4,064.87	3,622.53	55.52	32.38	98.44	-2,452.21	-1,444.54	445.67	362.02	83.65	5.328		
5,100.00	3,734.87	4,150.05	3,694.09	57.02	33.31	102.58	-2,479.88	-1,481.54	483.47	398.48	84.99	5.689		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,792.12	4,235.96	3,765.15	58.51	34.28	105.98	-2,508.74	-1,520.23	523.61	437.31	86.30	6.067		
5,300.00	3,849.37	4,329.67	3,840.36	60.01	35.40	108.76	-2,542.64	-1,564.66	564.70	476.59	88.11	6.409		
5,400.00	3,906.62	4,423.59	3,915.27	61.51	36.53	111.09	-2,577.77	-1,609.11	605.75	515.83	89.92	6.736		
5,500.00	3,963.87	4,516.31	3,989.26	63.01	37.65	113.11	-2,612.97	-1,652.51	646.83	555.17	91.65	7.057		
5,600.00	4,021.13	4,609.27	4,064.68	64.51	38.73	115.08	-2,647.79	-1,694.21	687.98	594.73	93.25	7.378		
5,700.00	4,078.38	4,739.89	4,173.47	66.01	40.16	117.96	-2,697.46	-1,746.68	727.40	631.64	95.76	7.596		
5,800.00	4,135.63	4,828.18	4,245.52	67.51	41.17	119.52	-2,733.89	-1,782.41	764.87	667.82	97.05	7.881		
5,900.00	4,192.88	4,913.00	4,312.54	69.01	42.19	120.58	-2,769.86	-1,819.91	803.28	704.79	98.49	8.156		
6,000.00	4,250.13	5,006.10	4,386.35	70.51	43.31	121.67	-2,809.03	-1,860.93	842.21	742.03	100.19	8.406		
6,100.00	4,307.39	5,104.00	4,466.34	72.02	44.41	123.04	-2,849.94	-1,899.80	880.03	778.29	101.74	8.650		
6,200.00	4,364.64	5,175.36	4,523.54	73.52	45.26	123.82	-2,879.99	-1,930.02	918.94	816.22	102.72	8.946		
6,300.00	4,421.89	5,257.75	4,586.52	75.02	46.30	124.27	-2,914.56	-1,970.35	960.17	855.80	104.37	9.199		
6,400.00	4,479.14	5,374.05	4,675.81	76.52	47.80	124.92	-2,964.01	-2,026.07	1,000.75	893.58	107.17	9.338		
6,500.00	4,536.39	5,474.28	4,751.99	78.02	49.09	125.39	-3,008.68	-2,073.48	1,039.27	929.84	109.42	9.498		
6,600.00	4,593.64	5,566.72	4,823.33	79.52	50.25	125.90	-3,049.65	-2,115.64	1,077.57	966.25	111.33	9.679		
6,700.00	4,650.90	5,656.01	4,892.81	81.03	51.37	126.42	-3,088.88	-2,155.70	1,116.08	1,002.98	113.10	9.868		
6,800.00	4,708.15	5,748.27	4,963.78	82.53	52.53	126.83	-3,129.62	-2,198.31	1,154.83	1,039.80	115.03	10.039		
6,900.00	4,765.40	5,840.42	5,035.32	84.03	53.68	127.29	-3,170.19	-2,239.87	1,193.46	1,076.56	116.90	10.209		
7,000.00	4,822.65	5,921.90	5,100.45	85.53	54.65	127.82	-3,205.07	-2,274.23	1,232.48	1,114.19	118.29	10.419		
7,100.00	4,879.90	5,988.00	5,153.92	87.04	55.42	128.27	-3,232.44	-2,301.80	1,272.81	1,153.61	119.20	10.678		
7,200.00	4,937.16	6,056.46	5,209.54	88.54	56.21	128.72	-3,259.73	-2,320.95	1,314.88	1,194.72	120.16	10.943		
7,300.00	4,994.41	6,168.62	5,299.50	90.04	57.55	129.28	-3,304.06	-2,381.12	1,357.95	1,235.43	122.52	11.083		
7,400.00	5,051.66	6,271.32	5,381.10	91.54	58.79	129.74	-3,346.61	-2,426.67	1,399.11	1,274.50	124.61	11.228		
7,500.00	5,108.91	6,331.84	5,430.23	93.05	59.49	130.07	-3,370.96	-2,452.28	1,440.98	1,315.56	125.41	11.490		
7,600.00	5,166.16	6,393.06	5,479.84	94.55	60.21	130.36	-3,394.56	-2,479.28	1,484.81	1,358.56	126.25	11.761		
7,700.00	5,223.42	6,465.00	5,538.36	96.05	61.05	130.68	-3,421.20	-2,511.55	1,530.20	1,402.80	127.40	12.011		
7,800.00	5,280.67	6,512.02	5,576.89	97.56	61.58	130.89	-3,437.78	-2,532.79	1,577.24	1,449.48	127.76	12.346		
7,900.00	5,337.92	6,572.26	5,626.74	99.06	62.28	131.17	-3,457.69	-2,560.14	1,626.30	1,497.80	128.50	12.656		
8,000.00	5,395.17	6,743.38	5,763.47	100.56	64.35	131.62	-3,519.68	-2,642.15	1,672.77	1,539.70	133.07	12.571		
8,100.00	5,452.42	6,837.77	5,840.57	102.07	65.44	131.99	-3,555.10	-2,683.52	1,717.75	1,582.88	134.87	12.736		
8,200.00	5,509.68	6,913.39	5,902.66	103.57	66.31	132.30	-3,583.22	-2,716.25	1,762.98	1,626.85	136.12	12.952		
8,300.00	5,566.93	7,055.83	6,018.11	105.08	67.99	132.75	-3,637.61	-2,779.48	1,807.71	1,668.41	139.30	12.977		
8,400.00	5,624.18	7,148.02	6,090.65	106.58	69.12	132.92	-3,674.86	-2,822.49	1,850.68	1,709.41	141.27	13.100		
8,500.00	5,681.43	7,240.24	6,163.64	108.08	70.25	133.11	-3,712.10	-2,864.77	1,893.54	1,750.34	143.20	13.223		
8,600.00	5,738.68	7,325.00	6,233.54	109.59	71.20	133.44	-3,745.37	-2,899.25	1,936.53	1,791.90	144.63	13.390		
8,700.00	5,795.93	7,452.71	6,341.01	111.09	72.55	134.10	-3,796.01	-2,946.09	1,978.31	1,831.58	146.74	13.482		
8,800.00	5,853.19	7,516.00	6,393.60	112.60	73.24	134.36	-3,821.46	-2,970.42	2,020.23	1,872.64	147.59	13.688		
8,900.00	5,910.44	7,571.44	6,439.71	114.10	73.84	134.58	-3,843.08	-2,992.33	2,063.58	1,915.30	148.28	13.917		
9,000.00	5,967.69	7,637.23	6,495.17	115.60	74.55	134.85	-3,867.29	-3,018.13	2,108.73	1,959.57	149.16	14.138		
9,100.00	6,024.94	7,738.99	6,580.88	117.11	75.64	135.26	-3,905.44	-3,057.54	2,153.28	2,002.41	150.87	14.273		
9,200.00	6,082.19	7,802.00	6,633.20	118.61	76.33	135.45	-3,928.72	-3,083.82	2,198.84	2,047.06	151.78	14.487		
9,300.00	6,139.45	7,889.10	6,704.38	120.12	77.34	135.63	-3,960.76	-3,122.47	2,245.05	2,091.59	153.46	14.630		
9,400.00	6,196.70	7,953.54	6,755.49	121.62	78.15	135.68	-3,984.67	-3,153.56	2,291.48	2,136.77	154.71	14.811		
9,500.00	6,253.95	7,993.00	6,785.40	123.13	78.66	135.64	-3,999.20	-3,174.79	2,339.10	2,183.81	155.29	15.063		
9,600.00	6,311.20	8,044.34	6,822.25	124.63	79.42	135.48	-4,017.53	-3,205.46	2,388.21	2,231.72	156.49	15.262		
9,700.00	6,368.45	8,088.00	6,851.31	126.13	80.06	135.25	-4,032.23	-3,234.51	2,439.24	2,281.77	157.47	15.490		
9,800.00	6,425.71	8,124.83	6,874.39	127.64	80.66	135.00	-4,044.09	-3,260.64	2,491.88	2,333.62	158.27	15.745		
9,900.00	6,482.96	8,184.00	6,909.36	129.14	81.63	134.54	-4,062.37	-3,304.72	2,546.00	2,385.80	160.19	15.893		
10,000.00	6,540.21	8,184.00	6,909.36	130.65	81.63	134.54	-4,062.37	-3,304.72	2,601.63	2,442.54	159.09	16.353		
10,100.00	6,597.46	8,239.35	6,939.67	132.15	82.58	134.04	-4,078.29	-3,348.20	2,658.49	2,497.55	160.94	16.519		
10,200.00	6,654.71	8,279.00	6,959.93	133.66	83.27	133.64	-4,088.78	-3,380.63	2,717.21	2,555.27	161.94	16.779		
10,300.00	6,711.97	8,309.24	6,974.53	135.16	83.81	133.31	-4,096.39	-3,405.99	2,777.33	2,614.88	162.45	17.096		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,769.19	8,350.03	6,993.04	136.67	84.55	131.33	-4,106.32	-3,440.96	2,838.63	2,675.06	163.57	17.354		
10,500.00	6,824.05	8,375.00	7,003.68	138.22	85.00	119.25	-4,112.20	-3,462.76	2,896.14	2,732.61	163.52	17.711		
10,600.00	6,873.81	8,412.55	7,018.90	139.81	85.69	109.56	-4,120.46	-3,496.07	2,945.60	2,781.67	163.94	17.968		
10,700.00	6,916.95	8,470.00	7,040.69	141.38	86.75	102.16	-4,131.23	-3,548.12	2,986.43	2,821.10	165.33	18.063		
10,800.00	6,952.17	8,470.00	7,040.69	142.87	86.75	96.89	-4,131.23	-3,548.12	3,016.28	2,853.37	162.91	18.515		
10,900.00	6,978.39	8,470.00	7,040.69	144.24	86.75	93.35	-4,131.23	-3,548.12	3,036.27	2,876.00	160.27	18.944		
11,000.00	6,994.82	8,470.00	7,040.69	145.43	86.75	91.39	-4,131.23	-3,548.12	3,045.99	2,888.50	157.49	19.340		
11,100.00	7,000.96	8,520.29	7,056.76	146.41	87.65	91.24	-4,137.68	-3,595.30	3,042.81	2,884.76	158.06	19.251		
11,200.00	7,001.00	8,565.00	7,067.23	147.26	88.46	91.48	-4,140.03	-3,638.68	3,036.28	2,877.99	158.30	19.181		
11,300.00	7,001.00	8,565.00	7,067.23	148.14	88.46	91.48	-4,140.03	-3,638.68	3,031.05	2,875.63	155.42	19.502		
11,400.00	7,001.00	8,565.00	7,067.23	149.06	88.46	91.48	-4,140.03	-3,638.68	3,029.11	2,876.62	152.49	19.864		
11,408.82	7,001.00	8,565.00	7,067.23	149.14	88.46	91.48	-4,140.03	-3,638.68	3,029.09	2,876.86	152.23	19.898		
11,500.00	7,001.00	8,605.04	7,073.93	150.00	89.15	91.61	-4,140.08	-3,678.15	3,029.61	2,877.21	152.39	19.880		
11,600.00	7,001.00	8,661.00	7,079.86	150.97	90.12	91.72	-4,138.04	-3,733.74	3,032.80	2,879.36	153.44	19.765		
11,700.00	7,001.00	8,698.68	7,081.81	151.97	90.76	91.75	-4,135.95	-3,771.32	3,037.51	2,884.33	153.18	19.830		
11,800.00	7,001.00	8,889.88	7,078.78	153.00	94.14	91.69	-4,128.46	-3,962.31	3,041.21	2,877.22	163.99	18.545		
11,900.00	7,001.00	9,240.30	7,070.32	154.06	100.90	91.53	-4,130.71	-4,312.43	3,042.89	2,856.52	186.38	16.327		
12,000.00	7,001.00	9,367.49	7,071.16	155.15	103.56	91.55	-4,139.82	-4,439.29	3,035.35	2,842.50	192.85	15.739		
12,100.00	7,001.00	9,425.00	7,071.06	156.27	104.77	91.55	-4,143.08	-4,496.71	3,029.37	2,835.01	194.36	15.586		
12,200.00	7,001.00	9,463.65	7,070.57	157.43	105.58	91.55	-4,144.59	-4,535.33	3,025.02	2,830.53	194.49	15.554		
12,300.00	7,001.00	9,521.00	7,069.30	158.61	106.78	91.52	-4,145.93	-4,592.64	3,022.37	2,826.41	195.96	15.424		
12,400.00	7,001.00	9,581.28	7,067.53	159.82	108.03	91.49	-4,146.51	-4,652.89	3,021.08	2,823.44	197.64	15.285		
12,500.00	7,001.00	9,702.73	7,063.29	161.07	110.59	91.41	-4,147.13	-4,774.27	3,020.39	2,816.50	203.90	14.813		
12,600.00	7,001.00	9,759.29	7,061.09	162.34	111.79	91.37	-4,147.51	-4,830.78	3,019.55	2,814.21	205.34	14.705		
12,604.45	7,001.00	9,761.55	7,061.00	162.40	111.84	91.37	-4,147.50	-4,833.04	3,019.55	2,814.16	205.39	14.702		
12,700.00	7,001.00	9,820.89	7,058.92	163.64	113.11	91.33	-4,146.81	-4,892.34	3,020.33	2,813.16	207.17	14.579		
12,800.00	7,001.00	9,983.90	7,054.23	164.98	116.64	91.24	-4,146.53	-5,055.28	3,020.12	2,803.43	216.69	13.938		
12,900.00	7,001.00	10,119.58	7,050.15	166.34	119.64	91.16	-4,148.47	-5,190.88	3,018.39	2,794.22	224.17	13.465		
13,000.00	7,001.00	10,198.67	7,048.43	167.74	121.42	91.13	-4,149.55	-5,269.94	3,016.79	2,789.36	227.43	13.264		
13,100.00	7,001.00	10,371.98	7,047.01	169.16	125.36	91.10	-4,153.55	-5,443.20	3,014.34	2,776.54	237.81	12.676		
13,200.00	7,001.00	10,426.68	7,046.61	170.61	126.61	91.10	-4,155.20	-5,497.87	3,011.24	2,771.92	239.33	12.582		
13,300.00	7,001.00	10,476.00	7,046.85	172.10	127.75	91.10	-4,155.81	-5,547.18	3,009.83	2,769.42	240.42	12.519		
13,400.00	7,001.00	10,665.50	7,048.16	173.61	132.16	91.13	-4,160.30	-5,736.62	3,006.91	2,754.77	252.14	11.925		
13,500.00	7,001.00	10,772.61	7,048.16	175.15	134.68	91.13	-4,164.08	-5,843.66	3,003.23	2,745.58	257.65	11.656		
13,600.00	7,001.00	10,859.00	7,047.39	176.72	136.73	91.12	-4,167.18	-5,929.99	2,999.49	2,737.86	261.62	11.465		
13,700.00	7,001.00	10,914.16	7,047.01	178.31	138.04	91.11	-4,168.62	-5,985.13	2,996.78	2,733.54	263.25	11.384		
13,795.05	7,001.00	10,954.00	7,047.30	179.86	138.98	91.12	-4,169.02	-6,024.97	2,995.81	2,732.02	263.79	11.357		
13,800.00	7,001.00	10,954.00	7,047.30	179.94	138.98	91.12	-4,169.02	-6,024.97	2,995.82	2,732.16	263.66	11.363		
13,900.00	7,001.00	11,032.69	7,048.56	181.59	140.84	91.14	-4,168.76	-6,103.64	2,996.09	2,729.03	267.06	11.219		
14,000.00	7,001.00	11,104.56	7,049.77	183.26	142.54	91.16	-4,167.68	-6,175.49	2,997.46	2,727.54	269.92	11.105		
14,100.00	7,001.00	11,180.76	7,050.23	184.97	144.34	91.17	-4,165.86	-6,251.67	2,999.69	2,726.57	273.12	10.983		
14,200.00	7,001.00	11,289.14	7,051.01	186.70	146.92	91.18	-4,162.65	-6,360.00	3,002.54	2,723.66	278.88	10.766		
14,300.00	7,001.00	11,406.85	7,055.34	188.45	149.74	91.27	-4,160.49	-6,477.61	3,004.24	2,718.84	285.40	10.526		
14,400.00	7,001.00	11,519.38	7,060.25	190.23	152.45	91.36	-4,158.60	-6,590.00	3,005.87	2,714.34	291.53	10.311		
14,500.00	7,001.00	11,586.08	7,064.63	192.03	154.07	91.44	-4,157.40	-6,656.55	3,007.70	2,713.64	294.06	10.228		
14,600.00	7,001.00	11,683.33	7,071.41	193.86	156.42	91.57	-4,154.68	-6,753.53	3,010.51	2,711.51	299.00	10.068		
14,700.00	7,001.00	11,872.11	7,081.99	195.71	161.05	91.77	-4,153.69	-6,941.98	3,010.56	2,699.45	311.11	9.677		
14,800.00	7,001.00	11,964.85	7,086.21	197.58	163.35	91.85	-4,153.81	-7,034.63	3,010.41	2,694.68	315.72	9.535		
14,900.00	7,001.00	12,081.61	7,090.80	199.47	166.24	91.94	-4,154.22	-7,151.29	3,010.03	2,687.84	322.19	9.342		
14,965.98	7,001.00	12,126.60	7,091.50	200.73	167.36	91.95	-4,154.43	-7,196.27	3,009.70	2,685.71	324.00	9.289		
15,000.00	7,001.00	12,144.35	7,091.70	201.39	167.80	91.96	-4,154.36	-7,214.02	3,009.79	2,685.29	324.50	9.275		
15,100.00	7,001.00	12,195.00	7,092.07	203.32	169.06	91.96	-4,153.63	-7,264.66	3,011.11	2,685.29	325.83	9.241		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,200.00	7,001.00	12,271.46	7,092.47	205.28	170.95	91.97	-4,151.60	-7,341.09	3,013.63	2,684.48	329.16	9.156		
15,300.00	7,001.00	12,379.90	7,093.35	207.25	173.64	91.98	-4,148.27	-7,449.48	3,016.58	2,681.55	335.04	9.004		
15,400.00	7,001.00	12,600.22	7,097.91	209.25	179.17	92.07	-4,148.00	-7,669.73	3,015.85	2,666.27	349.58	8.627		
15,500.00	7,001.00	12,672.00	7,097.96	211.26	180.99	92.07	-4,148.20	-7,741.50	3,015.30	2,662.65	352.65	8.550		
15,600.00	7,001.00	12,824.19	7,094.94	213.30	184.84	92.01	-4,149.84	-7,893.65	3,013.96	2,652.17	361.79	8.331		
15,700.00	7,001.00	12,913.89	7,092.85	215.35	187.12	91.98	-4,151.44	-7,983.31	3,011.94	2,645.71	366.24	8.224		
15,800.00	7,001.00	13,051.37	7,092.54	217.42	190.63	91.97	-4,154.03	-8,120.76	3,010.02	2,635.77	374.25	8.043		
15,900.00	7,001.00	13,147.00	7,091.78	219.50	193.08	91.96	-4,156.84	-8,216.35	3,006.90	2,627.74	379.16	7.930		
16,000.00	7,001.00	13,227.22	7,091.89	221.60	195.13	91.96	-4,158.90	-8,296.53	3,004.21	2,621.28	382.94	7.845		
16,100.00	7,001.00	13,371.72	7,096.37	223.72	198.85	92.05	-4,164.17	-8,440.86	3,000.18	2,608.71	391.47	7.664		
16,200.00	7,001.00	13,434.00	7,097.63	225.85	200.45	92.08	-4,165.48	-8,503.11	2,997.66	2,603.71	393.95	7.609		
16,300.00	7,001.00	13,483.67	7,097.83	228.00	201.73	92.08	-4,165.77	-8,552.78	2,996.49	2,601.07	395.43	7.578		
16,400.00	7,001.00	13,607.40	7,096.23	230.16	204.91	92.05	-4,166.81	-8,676.50	2,995.47	2,592.98	402.48	7.442		
16,500.00	7,001.00	13,719.65	7,093.77	232.34	207.80	92.01	-4,168.57	-8,788.70	2,993.66	2,584.99	408.66	7.326		
16,600.00	7,001.00	13,892.04	7,089.08	234.53	212.26	91.92	-4,173.83	-8,960.94	2,990.26	2,571.04	419.22	7.133		
16,700.00	7,001.00	14,027.20	7,085.21	236.73	215.77	91.85	-4,180.11	-9,095.91	2,985.38	2,558.40	426.98	6.992		
16,800.00	7,001.00	14,101.00	7,083.28	238.95	217.69	91.82	-4,184.52	-9,169.54	2,979.45	2,549.06	430.39	6.923		
16,900.00	7,001.00	14,165.82	7,081.57	241.18	219.38	91.78	-4,187.72	-9,234.26	2,974.65	2,541.53	433.12	6.868		
17,000.00	7,001.00	14,215.16	7,080.12	243.42	220.66	91.76	-4,188.77	-9,283.56	2,972.13	2,537.48	434.64	6.838		
17,100.00	7,001.00	14,303.45	7,077.16	245.67	222.95	91.70	-4,189.95	-9,371.80	2,970.53	2,531.49	439.04	6.766		
17,200.00	7,001.00	14,387.00	7,074.03	247.93	225.12	91.64	-4,190.82	-9,455.28	2,969.25	2,526.18	443.07	6.701		
17,255.29	7,001.00	14,416.98	7,072.99	249.19	225.90	91.62	-4,190.92	-9,485.24	2,968.96	2,524.91	444.05	6.686		
17,300.00	7,001.00	14,437.30	7,072.41	250.21	226.42	91.61	-4,190.79	-9,505.56	2,969.14	2,524.64	444.51	6.680		
17,400.00	7,001.00	14,534.74	7,070.93	252.50	228.95	91.58	-4,189.34	-9,602.96	2,970.42	2,520.81	449.61	6.607		
17,500.00	7,001.00	14,663.17	7,068.84	254.79	232.29	91.54	-4,189.05	-9,731.38	2,970.32	2,513.18	457.14	6.498		
17,512.20	7,001.00	14,674.00	7,068.50	255.07	232.57	91.53	-4,189.02	-9,742.20	2,970.32	2,512.64	457.68	6.490		
17,600.00	7,001.00	14,728.80	7,066.74	257.10	233.99	91.50	-4,188.57	-9,796.97	2,970.82	2,511.07	459.75	6.462		
17,700.00	7,001.00	14,808.44	7,064.26	259.42	236.06	91.45	-4,187.05	-9,876.55	2,972.45	2,509.01	463.44	6.414		
17,800.00	7,001.00	15,011.51	7,053.33	261.74	241.34	91.24	-4,186.87	-10,079.27	2,971.98	2,495.28	476.70	6.234		
17,900.00	7,001.00	15,125.95	7,042.59	264.08	244.32	91.03	-4,188.19	-10,193.19	2,970.52	2,487.51	483.02	6.150		
18,000.00	7,001.00	15,219.72	7,033.32	266.42	246.76	90.86	-4,189.97	-10,286.48	2,968.30	2,480.51	487.80	6.085		
18,100.00	7,001.00	15,288.84	7,027.59	268.78	248.56	90.75	-4,190.79	-10,355.35	2,966.86	2,476.12	490.74	6.046		
18,177.45	7,001.00	15,341.00	7,024.16	270.61	249.92	90.68	-4,190.85	-10,407.41	2,966.57	2,473.67	492.90	6.019		
18,200.00	7,001.00	15,341.00	7,024.16	271.14	249.92	90.68	-4,190.85	-10,407.41	2,966.65	2,474.32	492.33	6.026		
18,300.00	7,001.00	15,398.30	7,020.73	273.51	251.41	90.61	-4,190.05	-10,464.59	2,967.96	2,473.72	494.23	6.005		
18,400.00	7,001.00	15,481.06	7,015.47	275.89	253.57	90.51	-4,187.34	-10,547.15	2,970.91	2,472.79	498.13	5.964		
18,500.00	7,001.00	15,635.61	7,004.97	278.27	257.60	90.31	-4,184.32	-10,701.30	2,972.60	2,464.82	507.78	5.854		
18,600.00	7,001.00	15,802.40	6,992.92	280.67	261.97	90.08	-4,185.16	-10,867.65	2,971.55	2,453.37	518.18	5.735		
18,640.30	7,001.00	15,805.00	6,992.74	281.63	262.04	90.07	-4,185.19	-10,870.24	2,971.28	2,453.84	517.44	5.742		
18,700.00	7,001.00	15,805.00	6,992.74	283.07	262.04	90.07	-4,185.19	-10,870.24	2,971.88	2,455.97	515.91	5.760		
18,800.00	7,001.00	15,805.00	6,992.74	285.48	262.04	90.07	-4,185.19	-10,870.24	2,975.57	2,462.65	512.91	5.801		
18,900.00	7,001.00	15,805.00	6,992.74	287.89	262.04	90.07	-4,185.19	-10,870.24	2,982.61	2,473.20	509.40	5.855		
19,000.00	7,001.00	15,805.00	6,992.74	290.31	262.04	90.07	-4,185.19	-10,870.24	2,992.97	2,487.58	505.39	5.922		
19,100.00	7,001.00	15,805.00	6,992.74	292.74	262.04	90.07	-4,185.19	-10,870.24	3,006.63	2,505.72	500.91	6.002		
19,200.00	7,001.00	15,805.00	6,992.74	295.17	262.04	90.07	-4,185.19	-10,870.24	3,023.53	2,527.55	495.98	6.096		
19,300.00	7,001.00	15,805.00	6,992.74	297.61	262.04	90.07	-4,185.19	-10,870.24	3,043.63	2,552.98	490.65	6.203		
19,400.00	7,001.00	15,805.00	6,992.74	300.06	262.04	90.07	-4,185.19	-10,870.24	3,066.86	2,581.92	484.94	6.324		
19,500.00	7,001.00	15,805.00	6,992.74	302.51	262.04	90.07	-4,185.19	-10,870.24	3,093.15	2,614.26	478.89	6.459		
19,600.00	7,001.00	15,805.00	6,992.74	304.97	262.04	90.07	-4,185.19	-10,870.24	3,122.42	2,649.89	472.54	6.608		
19,700.00	7,001.00	15,805.00	6,992.74	307.43	262.04	90.07	-4,185.19	-10,870.24	3,154.59	2,688.67	465.92	6.771		
19,800.00	7,001.00	15,805.00	6,992.74	309.90	262.04	90.07	-4,185.19	-10,870.24	3,189.58	2,730.49	459.09	6.948		
19,900.00	7,001.00	15,805.00	6,992.74	312.38	262.04	90.07	-4,185.19	-10,870.24	3,227.28	2,775.21	452.07	7.139		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ICE MAN 2W-15-6N - ORIGINAL WELLBORE - WB #1 - PATT 901												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,000.00	7,001.00	15,805.00	6,992.74	314.85	262.04	90.07	-4,185.19	-10,870.24	3,267.61	2,822.70	444.91	7.344	
20,100.00	7,001.00	15,805.00	6,992.74	317.34	262.04	90.07	-4,185.19	-10,870.24	3,310.47	2,872.84	437.63	7.565	
20,200.00	7,001.00	15,805.00	6,992.74	319.83	262.04	90.07	-4,185.19	-10,870.24	3,355.76	2,925.49	430.28	7.799	
20,300.00	7,001.00	15,805.00	6,992.74	322.32	262.04	90.07	-4,185.19	-10,870.24	3,403.40	2,980.52	422.88	8.048	
20,400.00	7,001.00	15,805.00	6,992.74	324.82	262.04	90.07	-4,185.19	-10,870.24	3,453.26	3,037.80	415.46	8.312	
20,500.00	7,001.00	15,805.00	6,992.74	327.32	262.04	90.07	-4,185.19	-10,870.24	3,505.28	3,097.23	408.05	8.590	
20,600.00	7,001.00	15,805.00	6,992.74	329.83	262.04	90.07	-4,185.19	-10,870.24	3,559.34	3,158.67	400.68	8.883	
20,700.00	7,001.00	15,805.00	6,992.74	332.34	262.04	90.07	-4,185.19	-10,870.24	3,615.36	3,222.01	393.36	9.191	
20,800.00	7,001.00	15,805.00	6,992.74	334.85	262.04	90.07	-4,185.19	-10,870.24	3,673.25	3,287.15	386.11	9.514	
20,900.00	7,001.00	15,805.00	6,992.74	337.37	262.04	90.07	-4,185.19	-10,870.24	3,732.93	3,353.98	378.95	9.851	
21,000.00	7,001.00	15,805.00	6,992.74	339.89	262.04	90.07	-4,185.19	-10,870.24	3,794.30	3,422.40	371.89	10.203	
21,100.00	7,001.00	15,805.00	6,992.74	342.42	262.04	90.07	-4,185.19	-10,870.24	3,857.28	3,492.33	364.95	10.569	
21,200.00	7,001.00	15,805.00	6,992.74	344.95	262.04	90.07	-4,185.19	-10,870.24	3,921.81	3,563.67	358.14	10.950	
21,300.00	7,001.00	15,805.00	6,992.74	347.48	262.04	90.07	-4,185.19	-10,870.24	3,987.79	3,636.33	351.46	11.346	
21,400.00	7,001.00	15,805.00	6,992.74	350.02	262.04	90.07	-4,185.19	-10,870.24	4,055.17	3,710.25	344.93	11.757	
21,500.00	7,001.00	15,805.00	6,992.74	352.56	262.04	90.07	-4,185.19	-10,870.24	4,123.88	3,785.34	338.54	12.181	
21,600.00	7,001.00	15,805.00	6,992.74	355.10	262.04	90.07	-4,185.19	-10,870.24	4,193.84	3,861.54	332.30	12.621	
21,700.00	7,001.00	15,805.00	6,992.74	357.65	262.04	90.07	-4,185.19	-10,870.24	4,265.00	3,938.79	326.22	13.074	
21,800.00	7,001.00	15,805.00	6,992.74	360.20	262.04	90.07	-4,185.19	-10,870.24	4,337.30	4,017.02	320.29	13.542	
21,818.56	7,001.00	15,805.00	6,992.74	360.67	262.04	90.07	-4,185.19	-10,870.24	4,350.84	4,031.64	319.20	13.630	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	101.79	101.79	0.27	0.14	-170.04	-1,439.68	-252.79	1,461.76	1,461.35	0.41	3,552.619		
200.00	199.98	209.44	209.43	0.62	0.47	-12.29	-1,438.48	-252.21	1,458.86	1,457.78	1.09	1,343.570		
300.00	299.84	290.28	290.27	0.97	0.75	-12.36	-1,437.80	-251.84	1,452.88	1,451.16	1.72	844.904		
400.00	399.45	371.72	371.71	1.34	1.02	-12.45	-1,438.26	-252.14	1,444.96	1,442.60	2.36	612.521		
500.00	498.70	460.94	460.91	1.74	1.33	-12.55	-1,439.52	-253.28	1,434.64	1,431.61	3.03	472.901		
600.00	597.47	541.38	541.31	2.17	1.62	-12.67	-1,441.05	-254.87	1,421.62	1,417.93	3.69	385.609		
700.00	695.62	605.00	604.85	2.62	1.84	-12.76	-1,443.44	-257.17	1,407.29	1,403.00	4.29	328.370		
800.00	793.06	681.52	681.15	3.12	2.12	-12.86	-1,447.72	-261.04	1,391.60	1,386.66	4.94	281.534		
900.00	889.64	756.62	755.89	3.65	2.40	-12.96	-1,453.07	-265.89	1,374.26	1,368.66	5.61	245.163		
1,000.00	985.27	827.74	826.51	4.23	2.68	-13.04	-1,459.15	-271.76	1,355.30	1,349.04	6.27	216.320		
1,100.00	1,079.82	891.00	889.08	4.85	2.93	-13.10	-1,465.73	-278.34	1,335.20	1,328.29	6.91	193.335		
1,200.00	1,173.17	975.41	972.19	5.52	3.29	-13.10	-1,475.66	-289.21	1,313.48	1,305.83	7.65	171.678		
1,300.00	1,265.21	1,059.12	1,054.26	6.24	3.66	-13.06	-1,486.19	-301.94	1,289.63	1,281.22	8.41	153.287		
1,400.00	1,355.84	1,137.43	1,130.76	7.01	4.02	-13.02	-1,496.71	-314.97	1,263.60	1,254.43	9.17	137.781		
1,500.00	1,444.84	1,204.15	1,195.66	7.82	4.35	-13.00	-1,506.66	-326.79	1,236.00	1,226.10	9.90	124.890		
1,600.00	1,532.39	1,272.00	1,261.12	8.69	4.69	-12.97	-1,518.81	-339.86	1,208.04	1,197.40	10.64	113.498		
1,700.00	1,618.11	1,320.79	1,307.72	9.61	4.97	-12.96	-1,528.86	-350.22	1,179.68	1,168.35	11.32	104.170		
1,800.00	1,701.97	1,384.12	1,367.52	10.58	5.34	-12.86	-1,543.31	-365.25	1,151.04	1,138.96	12.08	95.247		
1,900.00	1,783.88	1,462.00	1,440.41	11.59	5.82	-12.68	-1,562.45	-384.87	1,121.25	1,108.31	12.94	86.654		
2,000.00	1,863.74	1,527.05	1,500.69	12.66	6.26	-12.52	-1,579.50	-402.41	1,090.23	1,076.48	13.75	79.296		
2,100.00	1,941.45	1,603.09	1,570.20	13.77	6.80	-12.24	-1,600.74	-424.71	1,058.30	1,043.66	14.63	72.332		
2,200.00	2,016.92	1,687.51	1,647.23	14.94	7.43	-11.92	-1,624.78	-449.56	1,023.86	1,008.28	15.58	65.722		
2,300.00	2,090.05	1,762.00	1,714.25	16.14	8.00	-11.60	-1,647.38	-472.90	988.45	971.97	16.48	59.982		
2,400.00	2,160.76	1,812.42	1,758.79	17.40	8.43	-11.37	-1,663.83	-489.83	952.62	935.37	17.25	55.224		
2,500.00	2,228.95	1,877.87	1,815.53	18.69	9.01	-10.96	-1,686.71	-513.09	916.86	898.76	18.11	50.632		
2,600.00	2,294.55	1,953.00	1,879.63	20.03	9.70	-10.34	-1,713.76	-541.44	879.97	860.94	19.03	46.242		
2,700.00	2,357.48	2,029.73	1,943.95	21.41	10.46	-9.53	-1,741.96	-572.33	841.76	821.80	19.96	42.164		
2,800.00	2,417.66	2,099.36	2,001.09	22.83	11.19	-8.64	-1,768.31	-602.14	802.74	781.90	20.83	38.532		
2,900.00	2,475.32	2,180.76	2,066.51	24.29	12.07	-7.32	-1,800.29	-638.52	763.46	741.69	21.76	35.081		
3,000.00	2,532.58	2,270.71	2,139.49	25.75	13.06	-5.75	-1,835.79	-677.32	723.74	700.99	22.74	31.820		
3,100.00	2,589.83	2,348.20	2,201.33	27.22	13.92	-4.18	-1,867.01	-712.03	686.12	662.53	23.60	29.079		
3,200.00	2,647.08	2,457.62	2,289.64	28.70	15.14	-1.86	-1,911.12	-759.23	648.40	623.70	24.70	26.253		
3,300.00	2,704.33	2,548.98	2,365.09	30.17	16.13	0.04	-1,947.61	-795.58	609.25	583.59	25.67	23.737		
3,400.00	2,761.58	2,620.00	2,422.56	31.65	16.92	1.75	-1,977.19	-824.99	573.21	546.74	26.47	21.654		
3,500.00	2,818.84	2,714.98	2,498.73	33.13	18.00	4.26	-2,017.87	-864.54	539.37	511.82	27.55	19.580		
3,600.00	2,876.09	2,811.00	2,577.34	34.62	19.05	6.87	-2,058.58	-901.71	504.22	475.50	28.72	17.556		
3,700.00	2,933.34	2,891.09	2,642.47	36.10	19.95	9.49	-2,092.13	-934.00	470.91	441.03	29.88	15.759		
3,800.00	2,990.59	2,975.57	2,709.23	37.59	20.95	12.96	-2,127.68	-971.63	442.12	410.74	31.38	14.087		
3,900.00	3,047.84	3,072.94	2,786.25	39.08	22.10	17.31	-2,169.20	-1,014.34	415.44	381.92	33.53	12.391		
4,000.00	3,105.10	3,180.83	2,873.51	40.57	23.33	22.55	-2,214.61	-1,058.65	388.46	352.04	36.43	10.664		
4,100.00	3,162.35	3,265.72	2,943.09	42.06	24.28	27.14	-2,249.90	-1,092.10	362.41	322.82	39.59	9.155		
4,200.00	3,219.60	3,361.50	3,021.05	43.55	25.35	32.95	-2,290.21	-1,130.45	340.49	296.63	43.86	7.764		
4,300.00	3,276.85	3,441.86	3,086.63	45.05	26.27	38.31	-2,323.99	-1,162.32	322.13	273.53	48.60	6.629		
4,400.00	3,334.10	3,533.66	3,159.82	46.54	27.33	44.99	-2,363.02	-1,201.63	311.62	257.12	54.50	5.718		
4,500.00	3,391.35	3,641.66	3,248.57	48.03	28.53	53.45	-2,407.40	-1,244.23	302.44	240.89	61.54	4.914		
4,600.00	3,448.61	3,726.22	3,319.79	49.53	29.43	60.67	-2,440.40	-1,275.68	296.68	228.65	68.03	4.361		
4,607.30	3,452.79	3,731.79	3,324.44	49.64	29.49	61.15	-2,442.55	-1,277.86	296.65	228.19	68.47	4.333 CC		
4,700.00	3,505.86	3,803.92	3,384.09	51.03	30.29	67.38	-2,470.28	-1,307.44	301.15	227.50	73.65	4.089 ES		
4,800.00	3,563.11	3,888.69	3,452.86	52.52	31.26	74.23	-2,503.10	-1,344.58	314.83	236.28	78.54	4.008 SF		
4,900.00	3,620.36	3,985.03	3,532.51	54.02	32.34	81.75	-2,538.81	-1,385.33	333.18	250.10	83.08	4.010		
5,000.00	3,677.61	4,079.88	3,610.82	55.52	33.39	88.25	-2,575.62	-1,424.18	354.87	268.37	86.50	4.103		
5,100.00	3,734.87	4,169.99	3,684.40	57.02	34.42	93.51	-2,612.32	-1,461.03	379.62	290.66	88.96	4.267		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,792.12	4,253.75	3,751.94	58.51	35.39	97.66	-2,646.69	-1,496.71	408.42	317.74	90.68	4.504		
5,300.00	3,849.37	4,346.61	3,826.23	60.01	36.49	101.58	-2,685.08	-1,537.07	439.84	347.27	92.57	4.751		
5,400.00	3,906.62	4,443.44	3,903.48	61.51	37.64	105.09	-2,725.99	-1,578.74	472.09	377.64	94.45	4.998		
5,500.00	3,963.87	4,541.53	3,981.41	63.01	38.80	108.13	-2,768.59	-1,620.34	504.44	408.19	96.25	5.241		
5,600.00	4,021.13	4,638.25	4,059.49	64.51	39.92	111.01	-2,810.39	-1,659.21	536.78	439.01	97.77	5.490		
5,700.00	4,078.38	4,730.35	4,134.75	66.01	40.96	113.62	-2,849.79	-1,694.82	569.71	470.77	98.95	5.758		
5,800.00	4,135.63	4,817.00	4,205.34	67.51	41.94	115.78	-2,886.75	-1,728.85	604.00	504.07	99.94	6.044		
5,900.00	4,192.88	4,886.75	4,261.84	69.01	42.74	117.27	-2,915.72	-1,757.71	640.94	540.55	100.39	6.385		
6,000.00	4,250.13	4,962.07	4,322.20	70.51	43.65	118.60	-2,945.78	-1,791.27	681.07	579.91	101.16	6.733		
6,100.00	4,307.39	5,047.49	4,388.90	72.02	44.69	119.68	-2,979.91	-1,832.26	722.90	620.32	102.58	7.047		
6,200.00	4,364.64	5,178.79	4,491.79	73.52	46.33	121.22	-3,033.88	-1,893.39	763.88	658.04	105.84	7.217		
6,300.00	4,421.89	5,292.10	4,579.36	75.02	47.73	122.36	-3,085.79	-1,943.10	799.49	691.26	108.23	7.387		
6,400.00	4,479.14	5,379.85	4,650.47	76.52	48.73	123.60	-3,124.56	-1,976.82	834.86	725.51	109.36	7.634		
6,500.00	4,536.39	5,458.88	4,715.88	78.02	49.60	124.79	-3,158.11	-2,005.81	871.53	761.43	110.10	7.915		
6,600.00	4,593.64	5,537.34	4,780.30	79.52	50.47	125.79	-3,190.89	-2,036.32	909.91	798.98	110.94	8.202		
6,700.00	4,650.90	5,624.19	4,850.84	81.03	51.47	126.70	-3,226.80	-2,072.08	949.66	837.49	112.17	8.466		
6,800.00	4,708.15	5,743.29	4,945.38	82.53	52.89	127.65	-3,278.74	-2,122.54	987.83	873.26	114.57	8.622		
6,900.00	4,765.40	5,837.23	5,020.12	84.03	54.01	128.38	-3,320.65	-2,161.04	1,024.89	908.75	116.15	8.824		
7,000.00	4,822.65	5,916.67	5,083.36	85.53	54.95	128.96	-3,355.76	-2,193.88	1,062.59	945.26	117.33	9.056		
7,100.00	4,879.90	5,988.00	5,140.34	87.04	55.80	129.43	-3,386.18	-2,224.15	1,102.07	983.77	118.30	9.316		
7,200.00	4,937.16	6,055.72	5,194.76	88.54	56.60	129.85	-3,413.90	-2,253.40	1,143.41	1,024.26	119.15	9.596		
7,300.00	4,994.41	6,151.15	5,271.70	90.04	57.72	130.42	-3,452.09	-2,294.98	1,185.81	1,064.91	120.90	9.808		
7,400.00	5,051.66	6,241.87	5,343.93	91.54	58.82	130.85	-3,489.35	-2,335.28	1,227.48	1,104.88	122.60	10.012		
7,500.00	5,108.91	6,319.71	5,405.40	93.05	59.75	131.14	-3,521.11	-2,370.93	1,269.77	1,145.82	123.95	10.244		
7,600.00	5,166.16	6,403.90	5,474.27	94.55	60.73	131.62	-3,553.85	-2,406.58	1,313.09	1,187.80	125.29	10.480		
7,700.00	5,223.42	6,493.31	5,547.40	96.05	61.75	132.12	-3,589.00	-2,444.13	1,356.07	1,229.29	126.77	10.697		
7,800.00	5,280.67	6,561.00	5,603.07	97.56	62.52	132.48	-3,614.73	-2,472.79	1,400.33	1,272.73	127.61	10.974		
7,900.00	5,337.92	6,707.36	5,723.43	99.06	64.17	133.27	-3,672.83	-2,532.41	1,442.50	1,311.85	130.65	11.041		
8,000.00	5,395.17	6,794.91	5,794.71	100.56	65.17	133.67	-3,708.68	-2,568.45	1,484.02	1,351.92	132.10	11.234		
8,100.00	5,452.42	6,891.33	5,872.69	102.07	66.30	134.05	-3,748.35	-2,608.97	1,525.59	1,391.73	133.86	11.397		
8,200.00	5,509.68	6,984.12	5,947.26	103.57	67.39	134.37	-3,787.10	-2,648.30	1,566.66	1,431.08	135.57	11.556		
8,300.00	5,566.93	7,063.69	6,010.67	105.08	68.34	134.58	-3,820.17	-2,683.18	1,608.20	1,471.20	137.00	11.739		
8,400.00	5,624.18	7,134.00	6,067.04	106.58	69.18	134.77	-3,848.90	-2,713.86	1,650.46	1,512.31	138.15	11.947		
8,500.00	5,681.43	7,187.65	6,110.87	108.08	69.78	134.96	-3,869.84	-2,736.62	1,694.30	1,555.60	138.71	12.215		
8,600.00	5,738.68	7,396.68	6,285.44	109.59	72.06	135.96	-3,952.33	-2,816.42	1,738.09	1,595.25	142.84	12.168		
8,700.00	5,795.93	7,505.37	6,374.08	111.09	73.27	136.40	-4,000.28	-2,857.12	1,776.30	1,631.67	144.63	12.282		
8,800.00	5,853.19	7,580.83	6,434.62	112.60	74.16	136.62	-4,033.81	-2,887.21	1,814.67	1,668.80	145.87	12.440		
8,900.00	5,910.44	7,688.35	6,519.70	114.10	75.45	136.84	-4,081.47	-2,932.49	1,853.53	1,705.54	148.00	12.524		
9,000.00	5,967.69	7,786.21	6,596.71	115.60	76.63	137.02	-4,125.75	-2,973.54	1,891.41	1,741.50	149.91	12.617		
9,100.00	6,024.94	7,844.82	6,642.91	117.11	77.34	137.12	-4,151.96	-2,998.29	1,929.95	1,779.06	150.89	12.791		
9,200.00	6,082.19	7,897.00	6,684.37	118.61	77.97	137.21	-4,174.29	-3,020.77	1,970.39	1,818.72	151.67	12.991		
9,300.00	6,139.45	7,967.17	6,740.14	120.12	78.82	137.30	-4,203.43	-3,051.85	2,012.25	1,859.30	152.94	13.157		
9,400.00	6,196.70	8,039.21	6,797.15	121.62	79.69	137.37	-4,232.82	-3,084.64	2,054.94	1,900.63	154.31	13.317		
9,500.00	6,253.95	8,112.02	6,855.12	123.13	80.58	137.44	-4,261.91	-3,117.71	2,098.43	1,942.76	155.68	13.479		
9,600.00	6,311.20	8,184.00	6,912.71	124.63	81.44	137.52	-4,290.17	-3,150.37	2,142.60	1,985.60	157.01	13.647		
9,700.00	6,368.45	8,228.51	6,948.28	126.13	81.98	137.56	-4,307.10	-3,171.08	2,188.09	2,030.55	157.54	13.889		
9,800.00	6,425.71	8,279.00	6,988.37	127.64	82.60	137.56	-4,325.28	-3,195.80	2,235.48	2,077.20	158.28	14.124		
9,900.00	6,482.96	8,313.69	7,014.97	129.14	83.08	137.51	-4,337.26	-3,214.55	2,284.57	2,125.95	158.61	14.403		
10,000.00	6,540.21	8,375.00	7,057.44	130.65	83.93	137.21	-4,357.52	-3,253.76	2,335.53	2,175.28	160.25	14.574		
10,100.00	6,597.46	8,398.90	7,072.43	132.15	84.31	137.03	-4,365.04	-3,270.77	2,387.80	2,227.46	160.34	14.892		
10,200.00	6,654.71	8,443.12	7,098.50	133.66	85.03	136.64	-4,378.49	-3,303.86	2,441.72	2,280.21	161.51	15.119		
10,300.00	6,711.97	8,493.70	7,125.50	135.16	85.87	136.11	-4,393.10	-3,344.04	2,497.08	2,333.95	163.13	15.307		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,769.19	8,556.21	7,154.76	136.67	86.96	133.90	-4,410.71	-3,396.37	2,553.34	2,387.74	165.59	15.419		
10,500.00	6,824.05	8,565.00	7,158.50	138.22	87.11	122.41	-4,413.15	-3,403.95	2,606.24	2,441.75	164.48	15.845		
10,600.00	6,873.81	8,612.28	7,177.09	139.81	87.96	112.83	-4,425.28	-3,445.68	2,651.43	2,486.01	165.42	16.028		
10,700.00	6,916.95	8,661.00	7,193.46	141.38	88.85	105.49	-4,435.71	-3,490.35	2,688.86	2,522.70	166.16	16.182		
10,800.00	6,952.17	8,699.36	7,204.64	142.87	89.55	100.22	-4,443.15	-3,526.28	2,716.34	2,550.36	165.99	16.365		
10,900.00	6,978.39	8,756.00	7,219.02	144.24	90.60	96.81	-4,454.40	-3,579.89	2,732.06	2,565.16	166.90	16.369		
11,000.00	6,994.82	8,756.00	7,219.02	145.43	90.60	95.05	-4,454.40	-3,579.89	2,738.13	2,574.44	163.69	16.728		
11,100.00	7,000.96	8,814.78	7,231.01	146.41	91.67	95.04	-4,464.00	-3,636.61	2,732.01	2,567.36	164.65	16.593		
11,200.00	7,001.00	8,852.00	7,236.90	147.26	92.35	95.22	-4,467.72	-3,673.16	2,722.45	2,558.39	164.06	16.595		
11,300.00	7,001.00	8,852.00	7,236.90	148.14	92.35	95.22	-4,467.72	-3,673.16	2,715.36	2,554.72	160.64	16.903		
11,400.00	7,001.00	8,898.19	7,241.43	149.06	93.15	95.32	-4,470.31	-3,719.04	2,710.82	2,550.16	160.66	16.873		
11,500.00	7,001.00	8,947.00	7,241.96	150.00	94.00	95.34	-4,471.07	-3,767.82	2,708.84	2,547.99	160.85	16.841		
11,600.00	7,001.00	9,035.92	7,241.53	150.97	95.53	95.33	-4,471.30	-3,856.72	2,708.30	2,544.16	164.14	16.500		
11,700.00	7,001.00	9,288.34	7,245.63	151.97	100.18	95.44	-4,481.96	-4,108.85	2,703.44	2,523.24	180.19	15.003		
11,800.00	7,001.00	9,329.00	7,246.85	153.00	100.96	95.47	-4,484.78	-4,149.39	2,697.41	2,517.47	179.94	14.990		
11,900.00	7,001.00	9,425.00	7,246.97	154.06	102.80	95.48	-4,488.81	-4,245.27	2,693.08	2,509.06	184.01	14.635		
12,000.00	7,001.00	9,496.96	7,244.61	155.15	104.18	95.43	-4,490.25	-4,317.18	2,690.25	2,504.04	186.22	14.447		
12,100.00	7,001.00	9,563.10	7,242.72	156.27	105.45	95.40	-4,491.99	-4,383.27	2,687.35	2,499.37	187.98	14.296		
12,200.00	7,001.00	9,616.00	7,242.39	157.43	106.48	95.39	-4,492.35	-4,436.16	2,686.37	2,497.67	188.70	14.237		
12,205.73	7,001.00	9,616.00	7,242.39	157.49	106.48	95.39	-4,492.35	-4,436.16	2,686.36	2,497.87	188.49	14.252		
12,300.00	7,001.00	9,705.30	7,243.21	158.61	108.23	95.41	-4,492.12	-4,525.46	2,686.53	2,494.15	192.37	13.965		
12,400.00	7,001.00	9,810.24	7,245.35	159.82	110.32	95.45	-4,492.06	-4,630.38	2,686.63	2,489.25	197.37	13.612		
12,496.57	7,001.00	9,903.00	7,246.65	161.02	112.19	95.48	-4,492.10	-4,723.12	2,686.56	2,485.02	201.54	13.330		
12,500.00	7,001.00	9,903.00	7,246.65	161.07	112.19	95.48	-4,492.10	-4,723.12	2,686.56	2,485.15	201.42	13.338		
12,600.00	7,001.00	9,998.00	7,247.39	162.34	114.12	95.50	-4,491.71	-4,818.12	2,686.89	2,481.22	205.67	13.064		
12,700.00	7,001.00	10,072.88	7,247.66	163.64	115.66	95.50	-4,490.79	-4,892.99	2,687.95	2,479.65	208.30	12.904		
12,800.00	7,001.00	10,218.06	7,248.31	164.98	118.69	95.51	-4,490.37	-5,038.15	2,687.95	2,471.19	216.76	12.401		
12,816.92	7,001.00	10,227.26	7,248.37	165.21	118.89	95.52	-4,490.37	-5,047.35	2,687.92	2,470.99	216.93	12.391		
12,900.00	7,001.00	10,284.00	7,247.94	166.34	120.09	95.51	-4,489.73	-5,104.09	2,688.55	2,469.85	218.71	12.293		
13,000.00	7,001.00	10,358.45	7,246.62	167.74	121.66	95.47	-4,488.10	-5,178.51	2,690.30	2,468.94	221.36	12.153		
13,100.00	7,001.00	10,506.65	7,244.30	169.16	124.84	95.42	-4,485.73	-5,326.67	2,691.71	2,461.53	230.18	11.694		
13,200.00	7,001.00	10,629.78	7,242.44	170.61	127.55	95.38	-4,486.32	-5,449.78	2,690.82	2,453.88	236.94	11.357		
13,300.00	7,001.00	10,778.74	7,239.49	172.10	130.87	95.32	-4,487.62	-5,598.70	2,689.80	2,443.98	245.82	10.942		
13,400.00	7,001.00	10,908.83	7,236.16	173.61	133.83	95.26	-4,491.70	-5,728.68	2,686.16	2,433.00	253.16	10.610		
13,500.00	7,001.00	10,954.00	7,234.60	175.15	134.87	95.23	-4,493.05	-5,773.81	2,683.15	2,429.54	253.60	10.580		
13,600.00	7,001.00	11,023.71	7,233.08	176.72	136.46	95.20	-4,494.12	-5,843.49	2,681.52	2,425.48	256.03	10.473		
13,639.34	7,001.00	11,050.00	7,233.06	177.34	137.06	95.20	-4,494.06	-5,869.78	2,681.50	2,424.60	256.89	10.438		
13,700.00	7,001.00	11,103.79	7,233.33	178.31	138.29	95.21	-4,493.78	-5,923.56	2,681.73	2,422.39	259.33	10.341		
13,800.00	7,001.00	11,270.96	7,234.60	179.94	142.16	95.24	-4,495.25	-6,090.72	2,680.78	2,410.88	269.90	9.933		
13,900.00	7,001.00	11,382.23	7,234.38	181.59	144.78	95.24	-4,497.80	-6,201.95	2,678.32	2,402.50	275.82	9.710		
14,000.00	7,001.00	11,501.20	7,231.18	183.26	147.59	95.18	-4,500.86	-6,320.84	2,675.36	2,392.98	282.38	9.474		
14,100.00	7,001.00	11,557.29	7,228.83	184.97	148.91	95.13	-4,502.27	-6,376.86	2,672.54	2,388.74	283.80	9.417		
14,179.45	7,001.00	11,587.66	7,227.80	186.34	149.63	95.11	-4,502.37	-6,407.21	2,671.89	2,388.18	283.70	9.418		
14,200.00	7,001.00	11,623.00	7,226.88	186.70	150.46	95.09	-4,501.82	-6,442.54	2,672.32	2,386.35	285.98	9.344		
14,212.09	7,001.00	11,623.00	7,226.88	186.91	150.46	95.09	-4,501.82	-6,442.54	2,672.30	2,386.72	285.57	9.358		
14,300.00	7,001.00	11,623.00	7,226.88	188.45	150.46	95.09	-4,501.82	-6,442.54	2,673.74	2,391.25	282.49	9.465		
14,400.00	7,001.00	11,687.77	7,226.48	190.23	151.97	95.07	-4,499.46	-6,507.26	2,677.35	2,392.87	284.48	9.411		
14,500.00	7,001.00	11,751.91	7,227.80	192.03	153.47	95.09	-4,495.93	-6,571.29	2,682.77	2,396.37	286.39	9.367		
14,600.00	7,001.00	11,834.31	7,229.45	193.86	155.39	95.12	-4,490.80	-6,653.51	2,688.99	2,399.07	289.93	9.275		
14,700.00	7,001.00	11,912.10	7,230.52	195.71	157.20	95.13	-4,485.29	-6,731.10	2,696.00	2,402.95	293.05	9.200		
14,800.00	7,001.00	12,220.55	7,230.60	197.58	164.58	95.12	-4,476.04	-7,039.23	2,697.36	2,381.09	316.27	8.529		
14,900.00	7,001.00	12,336.77	7,228.74	199.47	167.42	95.08	-4,476.54	-7,155.43	2,696.62	2,373.87	322.74	8.355		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,000.00	7,001.00	12,458.54	7,225.04	201.39	170.41	95.00	-4,477.47	-7,277.14	2,695.46	2,365.78	329.67	8.176		
15,100.00	7,001.00	12,574.95	7,223.08	203.32	173.29	94.97	-4,479.56	-7,393.50	2,693.35	2,357.19	336.16	8.012		
15,200.00	7,001.00	12,671.00	7,223.70	205.28	175.68	94.98	-4,481.94	-7,489.52	2,690.79	2,349.79	341.00	7.891		
15,300.00	7,001.00	12,728.27	7,223.81	207.25	177.11	94.99	-4,482.93	-7,546.78	2,689.22	2,346.57	342.64	7.848		
15,400.00	7,001.00	12,904.57	7,226.97	209.25	181.51	95.06	-4,486.36	-7,722.98	2,687.24	2,333.19	354.05	7.590		
15,500.00	7,001.00	13,050.09	7,229.05	211.26	185.19	95.12	-4,492.53	-7,868.32	2,683.00	2,320.18	362.82	7.395		
15,600.00	7,001.00	13,102.78	7,230.54	213.30	186.51	95.16	-4,495.66	-7,920.88	2,677.91	2,313.66	364.25	7.352		
15,700.00	7,001.00	13,147.00	7,231.07	215.35	187.63	95.17	-4,496.18	-7,965.10	2,676.07	2,311.18	364.89	7.334		
15,800.00	7,001.00	13,222.35	7,231.03	217.42	189.52	95.17	-4,496.34	-8,040.44	2,675.58	2,307.54	368.04	7.270		
15,885.21	7,001.00	13,297.57	7,230.35	219.19	191.41	95.15	-4,496.70	-8,115.66	2,675.03	2,303.38	371.64	7.198		
15,900.00	7,001.00	13,305.66	7,230.19	219.50	191.62	95.15	-4,496.66	-8,123.75	2,675.04	2,303.20	371.85	7.194		
16,000.00	7,001.00	13,446.83	7,228.37	221.60	195.17	95.11	-4,496.04	-8,264.89	2,675.48	2,294.97	380.51	7.031		
16,100.00	7,001.00	13,518.00	7,228.12	223.72	196.97	95.11	-4,496.25	-8,336.06	2,674.92	2,291.59	383.33	6.978		
16,162.34	7,001.00	13,574.73	7,227.64	225.05	198.41	95.10	-4,496.16	-8,392.79	2,674.87	2,288.75	386.12	6.928		
16,200.00	7,001.00	13,610.08	7,227.48	225.85	199.30	95.09	-4,496.07	-8,428.13	2,674.89	2,286.99	387.90	6.896		
16,300.00	7,001.00	13,717.18	7,226.97	228.00	202.02	95.08	-4,495.87	-8,535.23	2,674.88	2,281.15	393.73	6.794		
16,400.00	7,001.00	13,815.00	7,225.67	230.16	204.51	95.06	-4,496.14	-8,633.04	2,674.33	2,275.54	398.79	6.706		
16,404.45	7,001.00	13,815.00	7,225.67	230.26	204.51	95.06	-4,496.14	-8,633.04	2,674.33	2,275.68	398.65	6.708		
16,500.00	7,001.00	13,859.59	7,225.24	232.34	205.63	95.05	-4,495.80	-8,677.63	2,675.08	2,275.78	399.30	6.699		
16,600.00	7,001.00	13,911.00	7,225.69	234.53	206.94	95.05	-4,493.87	-8,728.99	2,678.36	2,278.08	400.28	6.691		
16,700.00	7,001.00	13,988.85	7,226.67	236.73	208.90	95.07	-4,489.95	-8,806.74	2,683.16	2,279.61	403.55	6.649		
16,800.00	7,001.00	14,352.97	7,230.99	238.95	218.20	95.16	-4,488.23	-9,170.49	2,685.48	2,254.68	430.81	6.234		
16,900.00	7,001.00	14,475.36	7,234.82	241.18	221.38	95.25	-4,494.90	-9,292.64	2,680.24	2,242.51	437.73	6.123		
17,000.00	7,001.00	14,560.14	7,236.74	243.42	223.58	95.30	-4,499.91	-9,377.25	2,674.42	2,232.59	441.82	6.053		
17,100.00	7,001.00	14,661.48	7,237.28	245.67	226.22	95.32	-4,505.33	-9,478.44	2,668.98	2,221.80	447.18	5.968		
17,200.00	7,001.00	14,782.22	7,238.14	247.93	229.36	95.36	-4,512.50	-9,598.96	2,662.96	2,208.96	454.00	5.866		
17,300.00	7,001.00	14,864.00	7,238.79	250.21	231.50	95.38	-4,517.33	-9,680.60	2,656.98	2,199.09	457.89	5.803		
17,400.00	7,001.00	14,912.50	7,238.64	252.50	232.76	95.38	-4,519.52	-9,729.04	2,652.31	2,193.13	459.18	5.776		
17,500.00	7,001.00	14,960.00	7,237.57	254.79	233.99	95.36	-4,520.67	-9,776.52	2,649.55	2,189.32	460.24	5.757		
17,600.00	7,001.00	15,055.00	7,233.56	257.10	236.45	95.28	-4,521.67	-9,871.43	2,647.95	2,182.82	465.13	5.693		
17,700.00	7,001.00	15,115.24	7,231.21	259.42	238.01	95.23	-4,521.78	-9,931.61	2,647.21	2,180.11	467.10	5.667		
17,704.45	7,001.00	15,118.06	7,231.14	259.52	238.09	95.23	-4,521.77	-9,934.44	2,647.21	2,180.01	467.20	5.666		
17,800.00	7,001.00	15,210.31	7,229.86	261.74	240.48	95.20	-4,521.12	-10,026.68	2,647.60	2,175.61	471.99	5.609		
17,900.00	7,001.00	15,341.00	7,226.71	264.08	243.87	95.13	-4,521.60	-10,157.32	2,646.75	2,166.87	479.88	5.515		
17,974.61	7,001.00	15,388.79	7,225.74	265.83	245.11	95.11	-4,521.88	-10,205.10	2,646.18	2,164.59	481.59	5.495		
18,000.00	7,001.00	15,401.41	7,225.65	266.42	245.44	95.11	-4,521.82	-10,217.72	2,646.24	2,164.39	481.85	5.492		
18,100.00	7,001.00	15,523.39	7,227.02	268.78	248.61	95.14	-4,520.68	-10,339.68	2,647.28	2,158.27	489.01	5.414		
18,200.00	7,001.00	15,628.00	7,228.03	271.14	251.34	95.16	-4,521.44	-10,444.28	2,646.47	2,151.77	494.70	5.350		
18,266.26	7,001.00	15,680.46	7,227.79	272.71	252.71	95.16	-4,521.62	-10,496.75	2,646.15	2,149.09	497.06	5.324		
18,300.00	7,001.00	15,702.25	7,227.52	273.51	253.28	95.15	-4,521.51	-10,518.53	2,646.23	2,148.39	497.83	5.315		
18,400.00	7,001.00	15,868.58	7,224.17	275.89	257.63	95.08	-4,522.80	-10,684.81	2,644.91	2,136.22	508.69	5.199		
18,500.00	7,001.00	15,953.16	7,222.32	278.27	259.84	95.04	-4,523.92	-10,769.36	2,643.22	2,130.46	512.76	5.155		
18,600.00	7,001.00	16,045.00	7,219.41	280.67	262.25	94.98	-4,524.81	-10,861.15	2,641.83	2,124.41	517.42	5.106		
18,630.66	7,001.00	16,045.00	7,219.41	281.40	262.25	94.98	-4,524.81	-10,861.15	2,641.65	2,125.17	516.48	5.115		
18,700.00	7,001.00	16,045.00	7,219.41	283.07	262.25	94.98	-4,524.81	-10,861.15	2,642.56	2,128.44	514.12	5.140		
18,800.00	7,001.00	16,045.00	7,219.41	285.48	262.25	94.98	-4,524.81	-10,861.15	2,647.07	2,136.92	510.16	5.189		
18,900.00	7,001.00	16,045.00	7,219.41	287.89	262.25	94.98	-4,524.81	-10,861.15	2,655.35	2,149.79	505.55	5.252		
19,000.00	7,001.00	16,045.00	7,219.41	290.31	262.25	94.98	-4,524.81	-10,861.15	2,667.34	2,167.00	500.34	5.331		
19,100.00	7,001.00	16,045.00	7,219.41	292.74	262.25	94.98	-4,524.81	-10,861.15	2,683.02	2,188.46	494.56	5.425		
19,200.00	7,001.00	16,045.00	7,219.41	295.17	262.25	94.98	-4,524.81	-10,861.15	2,702.31	2,214.05	488.26	5.535		
19,300.00	7,001.00	16,045.00	7,219.41	297.61	262.25	94.98	-4,524.81	-10,861.15	2,725.13	2,243.64	481.49	5.660		
19,400.00	7,001.00	16,045.00	7,219.41	300.06	262.25	94.98	-4,524.81	-10,861.15	2,751.40	2,277.10	474.30	5.801		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,500.00	7,001.00	16,045.00	7,219.41	302.51	262.25	94.98	-4,524.81	-10,861.15	2,781.02	2,314.27	466.75	5.958	
19,600.00	7,001.00	16,045.00	7,219.41	304.97	262.25	94.98	-4,524.81	-10,861.15	2,813.88	2,354.99	458.89	6.132	
19,700.00	7,001.00	16,045.00	7,219.41	307.43	262.25	94.98	-4,524.81	-10,861.15	2,849.88	2,399.09	450.79	6.322	
19,800.00	7,001.00	16,045.00	7,219.41	309.90	262.25	94.98	-4,524.81	-10,861.15	2,888.89	2,446.40	442.49	6.529	
19,900.00	7,001.00	16,045.00	7,219.41	312.38	262.25	94.98	-4,524.81	-10,861.15	2,930.79	2,496.74	434.05	6.752	
20,000.00	7,001.00	16,045.00	7,219.41	314.85	262.25	94.98	-4,524.81	-10,861.15	2,975.47	2,549.95	425.52	6.993	
20,100.00	7,001.00	16,045.00	7,219.41	317.34	262.25	94.98	-4,524.81	-10,861.15	3,022.79	2,605.85	416.94	7.250	
20,200.00	7,001.00	16,045.00	7,219.41	319.83	262.25	94.98	-4,524.81	-10,861.15	3,072.65	2,664.29	408.35	7.524	
20,300.00	7,001.00	16,045.00	7,219.41	322.32	262.25	94.98	-4,524.81	-10,861.15	3,124.90	2,725.11	399.80	7.816	
20,400.00	7,001.00	16,045.00	7,219.41	324.82	262.25	94.98	-4,524.81	-10,861.15	3,179.45	2,788.14	391.30	8.125	
20,500.00	7,001.00	16,045.00	7,219.41	327.32	262.25	94.98	-4,524.81	-10,861.15	3,236.16	2,853.26	382.90	8.452	
20,600.00	7,001.00	16,045.00	7,219.41	329.83	262.25	94.98	-4,524.81	-10,861.15	3,294.94	2,920.32	374.62	8.795	
20,700.00	7,001.00	16,045.00	7,219.41	332.34	262.25	94.98	-4,524.81	-10,861.15	3,355.67	2,989.19	366.48	9.156	
20,800.00	7,001.00	16,045.00	7,219.41	334.85	262.25	94.98	-4,524.81	-10,861.15	3,418.24	3,059.74	358.49	9.535	
20,900.00	7,001.00	16,045.00	7,219.41	337.37	262.25	94.98	-4,524.81	-10,861.15	3,482.56	3,131.88	350.68	9.931	
21,000.00	7,001.00	16,045.00	7,219.41	339.89	262.25	94.98	-4,524.81	-10,861.15	3,548.53	3,205.48	343.05	10.344	
21,100.00	7,001.00	16,045.00	7,219.41	342.42	262.25	94.98	-4,524.81	-10,861.15	3,616.07	3,280.45	335.62	10.774	
21,200.00	7,001.00	16,045.00	7,219.41	344.95	262.25	94.98	-4,524.81	-10,861.15	3,685.08	3,356.70	328.38	11.222	
21,300.00	7,001.00	16,045.00	7,219.41	347.48	262.25	94.98	-4,524.81	-10,861.15	3,755.49	3,434.14	321.35	11.687	
21,400.00	7,001.00	16,045.00	7,219.41	350.02	262.25	94.98	-4,524.81	-10,861.15	3,827.21	3,512.69	314.53	12.168	
21,500.00	7,001.00	16,045.00	7,219.41	352.56	262.25	94.98	-4,524.81	-10,861.15	3,900.18	3,592.27	307.91	12.667	
21,600.00	7,001.00	16,045.00	7,219.41	355.10	262.25	94.98	-4,524.81	-10,861.15	3,974.33	3,672.82	301.51	13.182	
21,700.00	7,001.00	16,045.00	7,219.41	357.65	262.25	94.98	-4,524.81	-10,861.15	4,049.59	3,754.28	295.31	13.713	
21,800.00	7,001.00	16,045.00	7,219.41	360.20	262.25	94.98	-4,524.81	-10,861.15	4,125.90	3,836.58	289.32	14.261	
21,818.56	7,001.00	16,045.00	7,219.41	360.67	262.25	94.98	-4,524.81	-10,861.15	4,140.17	3,851.94	288.23	14.364	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	1.00	0.00	0.00	-106.60	-19.31	-64.77	67.59					
100.00	100.00	101.00	101.00	0.27	0.27	-106.60	-19.31	-64.77	67.59	67.04	0.54	124.859		
200.00	199.98	200.98	200.98	0.62	0.63	52.38	-19.31	-64.77	66.51	65.26	1.25	53.358		
300.00	299.84	300.84	300.84	0.97	0.99	56.17	-19.31	-64.77	63.45	61.49	1.96	32.388		
400.00	399.45	400.00	400.00	1.34	1.34	63.23	-19.31	-64.77	59.03	56.35	2.69	21.981		
500.00	498.70	499.00	498.98	1.74	1.68	73.03	-20.83	-65.56	55.25	51.83	3.42	16.152		
600.00	597.47	597.89	597.74	2.17	2.02	83.92	-25.37	-67.92	53.60	49.42	4.18	12.815		
620.30	617.44	618.01	617.80	2.26	2.09	86.20	-26.66	-68.60	53.55	49.20	4.35	12.320	CC, ES	
700.00	695.62	697.14	696.61	2.62	2.37	95.08	-32.96	-71.88	54.31	49.32	4.99	10.884		
800.00	793.06	796.75	795.49	3.12	2.74	105.51	-43.64	-77.44	57.33	51.50	5.83	9.829		
900.00	889.64	896.72	894.23	3.65	3.13	114.52	-57.41	-84.61	62.36	55.66	6.70	9.310		
1,000.00	985.27	997.05	992.74	4.23	3.56	121.91	-74.29	-93.40	68.97	61.39	7.58	9.100		
1,100.00	1,079.82	1,097.74	1,090.86	4.85	4.02	127.78	-94.30	-103.82	76.78	68.30	8.48	9.057		
1,200.00	1,173.17	1,198.80	1,188.49	5.52	4.53	132.36	-117.44	-115.88	85.47	76.07	9.40	9.096		
1,300.00	1,265.21	1,300.23	1,285.48	6.24	5.08	135.93	-143.73	-129.57	94.80	84.45	10.34	9.166		
1,400.00	1,355.84	1,402.02	1,381.72	7.01	5.68	138.70	-173.16	-144.89	104.60	93.28	11.32	9.240		
1,500.00	1,444.94	1,504.19	1,477.05	7.82	6.33	140.84	-205.72	-161.85	114.76	102.42	12.34	9.301		
1,600.00	1,532.39	1,606.72	1,571.35	8.69	7.03	142.49	-241.41	-180.43	125.18	111.78	13.40	9.342		
1,700.00	1,618.11	1,709.62	1,664.48	9.61	7.80	143.75	-280.21	-200.64	135.81	121.30	14.51	9.360		
1,800.00	1,701.97	1,812.89	1,756.30	10.58	8.62	144.70	-322.11	-222.46	146.58	130.91	15.67	9.354		
1,900.00	1,783.88	1,916.53	1,846.68	11.59	9.50	145.39	-367.09	-245.89	157.46	140.57	16.89	9.323		
2,000.00	1,863.74	2,020.53	1,935.47	12.66	10.44	145.88	-415.10	-270.89	168.42	150.25	18.17	9.269		
2,100.00	1,941.45	2,124.89	2,022.54	13.77	11.44	146.20	-466.13	-297.46	179.44	159.92	19.52	9.195		
2,200.00	2,016.92	2,229.61	2,107.75	14.94	12.51	146.37	-520.12	-325.58	190.48	169.55	20.93	9.101		
2,300.00	2,090.05	2,334.69	2,190.95	16.14	13.63	146.43	-577.04	-355.23	201.54	179.13	22.42	8.991		
2,400.00	2,160.76	2,440.13	2,272.01	17.40	14.81	146.38	-636.83	-386.36	212.60	188.62	23.98	8.866		
2,500.00	2,228.95	2,545.91	2,350.79	18.69	16.06	146.24	-699.43	-418.97	223.64	198.01	25.62	8.728		
2,600.00	2,294.55	2,652.03	2,427.15	20.03	17.36	146.03	-764.79	-453.00	234.64	207.29	27.35	8.580		
2,700.00	2,357.48	2,758.49	2,500.96	21.41	18.72	145.74	-832.83	-488.44	245.60	216.44	29.16	8.423		
2,800.00	2,417.66	2,859.72	2,569.14	22.83	20.05	145.55	-899.18	-522.99	257.30	226.28	31.01	8.296		
2,900.00	2,475.32	2,958.70	2,635.72	24.29	21.36	145.76	-964.15	-556.82	271.45	238.68	32.77	8.283		
3,000.00	2,532.58	3,057.62	2,702.25	25.75	22.68	146.09	-1,029.07	-590.64	286.02	251.50	34.51	8.287		
3,100.00	2,589.83	3,156.54	2,768.79	27.22	24.01	146.39	-1,093.99	-624.45	300.59	264.33	36.26	8.290		
3,200.00	2,647.08	3,255.46	2,835.32	28.70	25.34	146.66	-1,158.92	-658.26	315.18	277.16	38.01	8.291		
3,300.00	2,704.33	3,354.38	2,901.86	30.17	26.67	146.90	-1,223.84	-692.07	329.77	290.00	39.77	8.291		
3,400.00	2,761.58	3,453.30	2,968.39	31.65	28.01	147.13	-1,288.77	-725.88	344.36	302.83	41.53	8.291		
3,500.00	2,818.84	3,552.22	3,034.93	33.13	29.35	147.33	-1,353.69	-759.69	358.96	315.67	43.30	8.291		
3,600.00	2,876.09	3,651.14	3,101.46	34.62	30.70	147.52	-1,418.62	-793.50	373.57	328.50	45.07	8.290		
3,700.00	2,933.34	3,750.06	3,168.00	36.10	32.04	147.70	-1,483.54	-827.32	388.18	341.34	46.83	8.288		
3,800.00	2,990.59	3,848.98	3,234.53	37.59	33.39	147.86	-1,548.46	-861.13	402.79	354.18	48.61	8.287		
3,900.00	3,047.84	3,947.90	3,301.07	39.08	34.74	148.01	-1,613.39	-894.94	417.41	367.02	50.38	8.285		
4,000.00	3,105.10	4,046.82	3,367.60	40.57	36.09	148.16	-1,678.31	-928.75	432.02	379.87	52.16	8.283		
4,100.00	3,162.35	4,145.74	3,434.14	42.06	37.44	148.29	-1,743.24	-962.56	446.64	392.71	53.93	8.281		
4,200.00	3,219.60	4,244.66	3,500.67	43.55	38.80	148.41	-1,808.16	-996.37	461.27	405.55	55.71	8.280		
4,300.00	3,276.85	4,343.58	3,567.20	45.05	40.15	148.53	-1,873.09	-1,030.18	475.89	418.40	57.49	8.278		
4,400.00	3,334.10	4,442.50	3,633.74	46.54	41.51	148.64	-1,938.01	-1,064.00	490.52	431.24	59.27	8.276		
4,500.00	3,391.35	4,541.42	3,700.27	48.03	42.87	148.74	-2,002.93	-1,097.81	505.14	444.09	61.05	8.274		
4,600.00	3,448.61	4,640.35	3,766.81	49.53	44.22	148.84	-2,067.86	-1,131.62	519.77	456.94	62.84	8.272		
4,700.00	3,505.86	4,739.27	3,833.34	51.03	45.58	148.93	-2,132.78	-1,165.43	534.40	469.78	64.62	8.270		
4,800.00	3,563.11	4,838.19	3,899.88	52.52	46.94	149.02	-2,197.71	-1,199.24	549.04	482.63	66.40	8.268		
4,900.00	3,620.36	4,937.11	3,966.41	54.02	48.30	149.10	-2,262.63	-1,233.05	563.67	495.48	68.19	8.266		
5,000.00	3,677.61	5,036.03	4,032.95	55.52	49.66	149.18	-2,327.55	-1,266.87	578.30	508.33	69.97	8.265		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 36-T7N-R67W - MAVERICK 2W-20-01 - OWB - PROPOSAL 1		Offset Site Error: 0.00 usft	
Survey Program: 0-MWD OWSG													Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
5,100.00	3,734.87	5,134.95	4,099.48	57.02	51.02	149.25	-2,392.48	-1,300.68	592.94	521.18	71.76	8.263				
5,200.00	3,792.12	5,233.87	4,166.02	58.51	52.39	149.32	-2,457.40	-1,334.49	607.57	534.03	73.55	8.261				
5,300.00	3,849.37	5,332.79	4,232.55	60.01	53.75	149.39	-2,522.33	-1,368.30	622.21	546.88	75.33	8.259				
5,400.00	3,906.62	5,431.71	4,299.09	61.51	55.11	149.45	-2,587.25	-1,402.11	636.85	559.73	77.12	8.258				
5,500.00	3,963.87	5,530.63	4,365.62	63.01	56.47	149.52	-2,652.18	-1,435.92	651.49	572.58	78.91	8.256				
5,600.00	4,021.13	5,629.55	4,432.16	64.51	57.84	149.57	-2,717.10	-1,469.73	666.13	585.43	80.70	8.255				
5,700.00	4,078.38	5,728.47	4,498.69	66.01	59.20	149.63	-2,782.02	-1,503.55	680.77	598.28	82.49	8.253				
5,800.00	4,135.63	5,827.39	4,565.23	67.51	60.57	149.68	-2,846.95	-1,537.36	695.41	611.13	84.28	8.251				
5,900.00	4,192.88	5,926.31	4,631.76	69.01	61.93	149.74	-2,911.87	-1,571.17	710.05	623.98	86.07	8.250				
6,000.00	4,250.13	6,025.23	4,698.30	70.51	63.29	149.79	-2,976.80	-1,604.98	724.69	636.83	87.86	8.249				
6,100.00	4,307.39	6,124.15	4,764.83	72.02	64.66	149.83	-3,041.72	-1,638.79	739.33	649.68	89.65	8.247				
6,200.00	4,364.64	6,223.07	4,831.37	73.52	66.02	149.88	-3,106.65	-1,672.60	753.97	662.54	91.44	8.246				
6,300.00	4,421.89	6,321.99	4,897.90	75.02	67.39	149.92	-3,171.57	-1,706.41	768.62	675.39	93.23	8.245				
6,400.00	4,479.14	6,420.91	4,964.44	76.52	68.76	149.96	-3,236.49	-1,740.23	783.26	688.24	95.02	8.243				
6,500.00	4,536.39	6,519.83	5,030.97	78.02	70.12	150.01	-3,301.42	-1,774.04	797.90	701.09	96.81	8.242				
6,600.00	4,593.64	6,618.75	5,097.51	79.52	71.49	150.05	-3,366.34	-1,807.85	812.55	713.95	98.60	8.241				
6,700.00	4,650.90	6,717.67	5,164.04	81.03	72.85	150.08	-3,431.27	-1,841.66	827.19	726.80	100.39	8.240				
6,800.00	4,708.15	6,816.59	5,230.58	82.53	74.22	150.12	-3,496.19	-1,875.47	841.84	739.65	102.18	8.238				
6,900.00	4,765.40	6,915.51	5,297.11	84.03	75.59	150.16	-3,561.11	-1,909.28	856.48	752.51	103.98	8.237				
7,000.00	4,822.65	7,014.44	5,363.64	85.53	76.95	150.19	-3,626.04	-1,943.09	871.13	765.36	105.77	8.236				
7,100.00	4,879.90	7,113.36	5,430.18	87.04	78.32	150.22	-3,690.96	-1,976.91	885.77	778.21	107.56	8.235				
7,200.00	4,937.16	7,212.28	5,496.71	88.54	79.69	150.25	-3,755.89	-2,010.72	900.42	791.07	109.35	8.234				
7,300.00	4,994.41	7,311.20	5,563.25	90.04	81.05	150.29	-3,820.81	-2,044.53	915.07	803.92	111.15	8.233				
7,400.00	5,051.66	7,410.12	5,629.78	91.54	82.42	150.32	-3,885.74	-2,078.34	929.71	816.77	112.94	8.232				
7,500.00	5,108.91	7,509.04	5,696.32	93.05	83.79	150.34	-3,950.66	-2,112.15	944.36	829.63	114.73	8.231				
7,600.00	5,166.16	7,607.96	5,762.85	94.55	85.16	150.37	-4,015.58	-2,145.96	959.01	842.48	116.53	8.230				
7,700.00	5,223.42	7,706.88	5,829.39	96.05	86.52	150.40	-4,080.51	-2,179.77	973.66	855.34	118.32	8.229				
7,800.00	5,280.67	7,805.80	5,895.92	97.56	87.89	150.43	-4,145.43	-2,213.59	988.30	868.19	120.11	8.228				
7,900.00	5,337.92	7,904.72	5,962.46	99.06	89.26	150.45	-4,210.36	-2,247.40	1,002.95	881.04	121.91	8.227				
8,000.00	5,395.17	8,003.64	6,028.99	100.56	90.63	150.48	-4,275.28	-2,281.21	1,017.60	893.90	123.70	8.226				
8,100.00	5,452.42	8,102.56	6,095.53	102.07	92.00	150.50	-4,340.20	-2,315.02	1,032.25	906.75	125.49	8.226				
8,200.00	5,509.68	8,201.48	6,162.06	103.57	93.36	150.52	-4,405.13	-2,348.83	1,046.90	919.61	127.29	8.225				
8,300.00	5,566.93	8,300.40	6,228.60	105.08	94.73	150.55	-4,470.05	-2,382.64	1,061.54	932.46	129.08	8.224				
8,400.00	5,624.18	8,399.32	6,295.13	106.58	96.10	150.57	-4,534.98	-2,416.45	1,076.19	945.32	130.88	8.223				
8,500.00	5,681.43	8,498.24	6,361.67	108.08	97.47	150.59	-4,599.90	-2,450.27	1,090.84	958.17	132.67	8.222				
8,600.00	5,738.68	8,597.16	6,428.20	109.59	98.84	150.61	-4,664.83	-2,484.08	1,105.49	971.03	134.46	8.221				
8,700.00	5,795.93	8,696.08	6,494.74	111.09	100.20	150.63	-4,729.75	-2,517.89	1,120.14	983.88	136.26	8.221				
8,800.00	5,853.19	8,795.00	6,561.27	112.60	101.57	150.65	-4,794.67	-2,551.70	1,134.79	996.74	138.05	8.220				
8,900.00	5,910.44	8,893.92	6,627.81	114.10	102.94	150.67	-4,859.60	-2,585.51	1,149.44	1,009.59	139.85	8.219				
9,000.00	5,967.69	8,992.84	6,694.34	115.60	104.31	150.69	-4,924.52	-2,619.32	1,164.09	1,022.45	141.64	8.219				
9,100.00	6,024.94	9,091.76	6,760.88	117.11	105.68	150.71	-4,989.45	-2,653.13	1,178.74	1,035.30	143.44	8.218				
9,200.00	6,082.19	9,190.68	6,827.41	118.61	107.05	150.73	-5,054.37	-2,686.95	1,193.39	1,048.16	145.23	8.217				
9,300.00	6,139.45	9,289.60	6,893.95	120.12	108.42	150.75	-5,119.30	-2,720.76	1,208.04	1,061.01	147.03	8.217				
9,400.00	6,196.70	9,388.52	6,960.48	121.62	109.79	150.76	-5,184.22	-2,754.57	1,222.69	1,073.87	148.82	8.216				
9,500.00	6,253.95	9,487.45	7,027.01	123.13	111.15	150.78	-5,249.14	-2,788.38	1,237.34	1,086.72	150.61	8.215				
9,600.00	6,311.20	9,565.32	7,079.00	124.63	112.25	150.72	-5,299.87	-2,816.43	1,252.52	1,100.25	152.26	8.226				
9,700.00	6,368.45	9,629.80	7,119.94	126.13	113.19	150.36	-5,339.82	-2,846.10	1,270.16	1,115.82	154.34	8.230				
9,800.00	6,425.71	9,700.00	7,161.49	127.64	114.26	149.62	-5,380.38	-2,885.47	1,290.64	1,133.28	157.36	8.202				
9,900.00	6,482.96	9,750.00	7,188.83	129.14	115.03	148.88	-5,407.06	-2,917.71	1,314.08	1,154.32	159.76	8.225				
10,000.00	6,540.21	9,800.00	7,214.06	130.65	115.81	147.98	-5,431.68	-2,953.14	1,340.91	1,178.58	162.33	8.260				
10,100.00	6,597.46	9,850.00	7,236.98	132.15	116.58	146.94	-5,454.05	-2,991.52	1,371.37	1,206.35	165.02	8.310				
10,200.00	6,654.71	9,900.00	7,257.41	133.66	117.35	145.76	-5,474.00	-3,032.54	1,405.69	1,237.92	167.78	8.378				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,711.97	9,929.95	7,268.40	135.16	117.80	145.00	-5,484.73	-3,058.25	1,443.87	1,275.37	168.50	8.569		
10,400.00	6,769.19	9,964.10	7,279.73	136.67	118.30	142.79	-5,495.80	-3,088.49	1,486.02	1,316.61	169.42	8.771		
10,500.00	6,824.05	10,000.00	7,290.24	138.22	118.82	131.49	-5,506.06	-3,121.25	1,528.05	1,358.49	169.57	9.012		
10,600.00	6,873.81	10,033.20	7,298.63	139.81	119.28	122.02	-5,514.25	-3,152.31	1,566.23	1,398.11	168.12	9.316		
10,700.00	6,916.95	10,069.69	7,306.34	141.38	119.78	114.36	-5,521.79	-3,187.16	1,599.29	1,433.30	165.98	9.635		
10,800.00	6,952.17	10,100.00	7,311.53	142.87	120.18	108.59	-5,526.87	-3,216.58	1,626.24	1,463.96	162.28	10.021		
10,900.00	6,978.39	10,150.00	7,317.65	144.24	120.80	104.40	-5,532.84	-3,265.83	1,646.19	1,485.88	160.32	10.268		
11,000.00	6,994.82	10,183.35	7,320.00	145.43	121.19	101.96	-5,535.15	-3,299.02	1,658.65	1,502.65	156.00	10.632		
11,100.00	7,000.96	10,223.34	7,321.00	146.41	121.64	101.06	-5,536.14	-3,338.97	1,663.31	1,510.95	152.35	10.917		
11,200.00	7,001.00	10,319.63	7,321.00	147.26	122.68	101.06	-5,536.17	-3,435.26	1,663.16	1,507.66	155.50	10.695		
11,300.00	7,001.00	10,419.63	7,321.00	148.14	123.79	101.06	-5,536.20	-3,535.26	1,662.97	1,503.78	159.19	10.446		
11,400.00	7,001.00	10,519.62	7,321.00	149.06	124.94	101.06	-5,536.23	-3,635.26	1,662.78	1,499.81	162.97	10.203		
11,500.00	7,001.00	10,619.62	7,321.00	150.00	126.13	101.06	-5,536.26	-3,735.26	1,662.59	1,495.75	166.84	9.965		
11,600.00	7,001.00	10,719.62	7,321.00	150.97	127.36	101.06	-5,536.29	-3,835.26	1,662.40	1,491.61	170.79	9.733		
11,700.00	7,001.00	10,819.62	7,321.00	151.97	128.62	101.06	-5,536.33	-3,935.26	1,662.21	1,487.40	174.82	9.508		
11,800.00	7,001.00	10,919.62	7,321.00	153.00	129.92	101.07	-5,536.36	-4,035.26	1,662.03	1,483.11	178.91	9.290		
11,900.00	7,001.00	11,019.62	7,321.00	154.06	131.25	101.07	-5,536.39	-4,135.26	1,661.84	1,478.76	183.07	9.077		
12,000.00	7,001.00	11,119.62	7,321.00	155.15	132.62	101.07	-5,536.42	-4,235.25	1,661.65	1,474.35	187.30	8.872		
12,100.00	7,001.00	11,219.62	7,321.00	156.27	134.03	101.07	-5,536.45	-4,335.25	1,661.46	1,469.88	191.58	8.673		
12,200.00	7,001.00	11,319.62	7,321.00	157.43	135.47	101.07	-5,536.48	-4,435.25	1,661.27	1,465.36	195.91	8.480		
12,300.00	7,001.00	11,419.62	7,321.00	158.61	136.95	101.07	-5,536.51	-4,535.25	1,661.08	1,460.79	200.29	8.293		
12,400.00	7,001.00	11,519.62	7,321.00	159.82	138.46	101.07	-5,536.55	-4,635.25	1,660.89	1,456.17	204.72	8.113		
12,500.00	7,001.00	11,619.62	7,321.00	161.07	140.00	101.07	-5,536.58	-4,735.25	1,660.70	1,451.51	209.19	7.939		
12,600.00	7,001.00	11,719.62	7,321.00	162.34	141.58	101.08	-5,536.61	-4,835.25	1,660.51	1,446.81	213.71	7.770		
12,700.00	7,001.00	11,819.62	7,321.00	163.64	143.19	101.08	-5,536.64	-4,935.25	1,660.32	1,442.07	218.26	7.607		
12,800.00	7,001.00	11,919.62	7,321.00	164.98	144.83	101.08	-5,536.67	-5,035.25	1,660.14	1,437.29	222.85	7.450		
12,900.00	7,001.00	12,019.62	7,321.00	166.34	146.50	101.08	-5,536.70	-5,135.25	1,659.95	1,432.48	227.47	7.297		
13,000.00	7,001.00	12,119.62	7,321.00	167.74	148.21	101.08	-5,536.73	-5,235.25	1,659.76	1,427.64	232.12	7.150		
13,100.00	7,001.00	12,219.62	7,321.00	169.16	149.94	101.08	-5,536.77	-5,335.25	1,659.57	1,422.76	236.81	7.008		
13,200.00	7,001.00	12,319.62	7,321.00	170.61	151.71	101.08	-5,536.80	-5,435.25	1,659.38	1,417.86	241.52	6.871		
13,300.00	7,001.00	12,419.62	7,321.00	172.10	153.50	101.08	-5,536.83	-5,535.25	1,659.19	1,412.93	246.26	6.738		
13,400.00	7,001.00	12,519.62	7,321.00	173.61	155.32	101.09	-5,536.86	-5,635.25	1,659.00	1,407.98	251.02	6.609		
13,500.00	7,001.00	12,619.62	7,321.00	175.15	157.17	101.09	-5,536.89	-5,735.25	1,658.81	1,403.00	255.81	6.485		
13,600.00	7,001.00	12,719.62	7,321.00	176.72	159.04	101.09	-5,536.92	-5,835.25	1,658.62	1,398.01	260.62	6.364		
13,700.00	7,001.00	12,819.62	7,321.00	178.31	160.94	101.09	-5,536.95	-5,935.25	1,658.44	1,392.99	265.45	6.248		
13,800.00	7,001.00	12,919.62	7,321.00	179.94	162.86	101.09	-5,536.99	-6,035.25	1,658.25	1,387.95	270.30	6.135		
13,900.00	7,001.00	13,019.62	7,321.00	181.59	164.81	101.09	-5,537.02	-6,135.25	1,658.06	1,382.89	275.17	6.026		
14,000.00	7,001.00	13,119.62	7,321.00	183.26	166.79	101.09	-5,537.05	-6,235.25	1,657.87	1,377.81	280.06	5.920		
14,100.00	7,001.00	13,219.62	7,321.00	184.97	168.78	101.10	-5,537.08	-6,335.25	1,657.68	1,372.72	284.96	5.817		
14,200.00	7,001.00	13,319.62	7,321.00	186.70	170.80	101.10	-5,537.11	-6,435.25	1,657.49	1,367.60	289.89	5.718		
14,300.00	7,001.00	13,419.62	7,321.00	188.45	172.84	101.10	-5,537.14	-6,535.25	1,657.30	1,362.48	294.82	5.621		
14,400.00	7,001.00	13,519.62	7,321.00	190.23	174.90	101.10	-5,537.17	-6,635.25	1,657.11	1,357.34	299.77	5.528		
14,500.00	7,001.00	13,619.62	7,321.00	192.03	176.97	101.10	-5,537.20	-6,735.25	1,656.92	1,352.18	304.74	5.437		
14,600.00	7,001.00	13,719.62	7,321.00	193.86	179.07	101.10	-5,537.24	-6,835.25	1,656.74	1,347.02	309.72	5.349		
14,700.00	7,001.00	13,819.62	7,321.00	195.71	181.19	101.10	-5,537.27	-6,935.25	1,656.55	1,341.84	314.71	5.264		
14,800.00	7,001.00	13,919.62	7,321.00	197.58	183.33	101.10	-5,537.30	-7,035.25	1,656.36	1,336.64	319.71	5.181		
14,900.00	7,001.00	14,019.62	7,321.00	199.47	185.48	101.11	-5,537.33	-7,135.25	1,656.17	1,331.44	324.73	5.100		
15,000.00	7,001.00	14,119.62	7,321.00	201.39	187.65	101.11	-5,537.36	-7,235.25	1,655.98	1,326.23	329.75	5.022		
15,100.00	7,001.00	14,219.62	7,321.00	203.32	189.83	101.11	-5,537.39	-7,335.25	1,655.79	1,321.00	334.79	4.946		
15,200.00	7,001.00	14,319.62	7,321.00	205.28	192.04	101.11	-5,537.42	-7,435.25	1,655.60	1,315.77	339.84	4.872		
15,300.00	7,001.00	14,419.62	7,321.00	207.25	194.25	101.11	-5,537.46	-7,535.25	1,655.41	1,310.52	344.89	4.800		
15,400.00	7,001.00	14,519.62	7,321.00	209.25	196.48	101.11	-5,537.49	-7,635.25	1,655.22	1,305.27	349.96	4.730		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	7,001.00	14,619.62	7,321.00	211.26	198.73	101.11	-5,537.52	-7,735.25	1,655.03	1,300.01	355.03	4.662		
15,600.00	7,001.00	14,719.62	7,321.00	213.30	200.99	101.11	-5,537.55	-7,835.25	1,654.85	1,294.74	360.11	4.595		
15,700.00	7,001.00	14,819.62	7,321.00	215.35	203.26	101.12	-5,537.58	-7,935.25	1,654.66	1,289.46	365.20	4.531		
15,800.00	7,001.00	14,919.62	7,321.00	217.42	205.54	101.12	-5,537.61	-8,035.25	1,654.47	1,284.17	370.30	4.468		
15,900.00	7,001.00	15,019.62	7,321.00	219.50	207.84	101.12	-5,537.64	-8,135.25	1,654.28	1,278.88	375.40	4.407		
16,000.00	7,001.00	15,119.62	7,321.00	221.60	210.15	101.12	-5,537.68	-8,235.25	1,654.09	1,273.58	380.51	4.347		
16,100.00	7,001.00	15,219.62	7,321.00	223.72	212.47	101.12	-5,537.71	-8,335.25	1,653.90	1,268.27	385.63	4.289		
16,200.00	7,001.00	15,319.62	7,321.00	225.85	214.80	101.12	-5,537.74	-8,435.25	1,653.71	1,262.95	390.76	4.232		
16,300.00	7,001.00	15,419.62	7,321.00	228.00	217.14	101.12	-5,537.77	-8,535.25	1,653.52	1,257.63	395.89	4.177		
16,400.00	7,001.00	15,519.62	7,321.00	230.16	219.50	101.12	-5,537.80	-8,635.25	1,653.33	1,252.31	401.03	4.123		
16,500.00	7,001.00	15,619.62	7,321.00	232.34	221.86	101.13	-5,537.83	-8,735.25	1,653.15	1,246.98	406.17	4.070		
16,600.00	7,001.00	15,719.62	7,321.00	234.53	224.23	101.13	-5,537.86	-8,835.25	1,652.96	1,241.64	411.32	4.019		
16,700.00	7,001.00	15,819.62	7,321.00	236.73	226.61	101.13	-5,537.90	-8,935.25	1,652.77	1,236.30	416.47	3.968		
16,800.00	7,001.00	15,919.61	7,321.00	238.95	229.00	101.13	-5,537.93	-9,035.25	1,652.58	1,230.95	421.63	3.919		
16,900.00	7,001.00	16,019.61	7,321.00	241.18	231.40	101.13	-5,537.96	-9,135.25	1,652.39	1,225.59	426.80	3.872		
17,000.00	7,001.00	16,119.61	7,321.00	243.42	233.80	101.13	-5,537.99	-9,235.25	1,652.20	1,220.24	431.97	3.825		
17,100.00	7,001.00	16,219.61	7,321.00	245.67	236.22	101.13	-5,538.02	-9,335.25	1,652.01	1,214.87	437.14	3.779		
17,200.00	7,001.00	16,319.61	7,321.00	247.93	238.64	101.13	-5,538.05	-9,435.25	1,651.82	1,209.51	442.32	3.734		
17,300.00	7,001.00	16,419.61	7,321.00	250.21	241.07	101.14	-5,538.08	-9,535.24	1,651.63	1,204.14	447.50	3.691		
17,400.00	7,001.00	16,519.61	7,321.00	252.50	243.51	101.14	-5,538.12	-9,635.24	1,651.45	1,198.76	452.69	3.648		
17,500.00	7,001.00	16,619.61	7,321.00	254.79	245.95	101.14	-5,538.15	-9,735.24	1,651.26	1,193.38	457.88	3.606		
17,600.00	7,001.00	16,719.61	7,321.00	257.10	248.40	101.14	-5,538.18	-9,835.24	1,651.07	1,188.00	463.07	3.565		
17,700.00	7,001.00	16,819.61	7,321.00	259.42	250.86	101.14	-5,538.21	-9,935.24	1,650.88	1,182.61	468.27	3.525		
17,800.00	7,001.00	16,919.61	7,321.00	261.74	253.32	101.14	-5,538.24	-10,035.24	1,650.69	1,177.22	473.47	3.486		
17,900.00	7,001.00	17,019.61	7,321.00	264.08	255.79	101.14	-5,538.27	-10,135.24	1,650.50	1,171.83	478.68	3.448		
18,000.00	7,001.00	17,119.61	7,321.00	266.42	258.27	101.15	-5,538.30	-10,235.24	1,650.31	1,166.43	483.88	3.411		
18,100.00	7,001.00	17,219.61	7,321.00	268.78	260.75	101.15	-5,538.33	-10,335.24	1,650.12	1,161.03	489.10	3.374		
18,200.00	7,001.00	17,319.61	7,321.00	271.14	263.24	101.15	-5,538.37	-10,435.24	1,649.93	1,155.62	494.31	3.338		
18,300.00	7,001.00	17,419.61	7,321.00	273.51	265.73	101.15	-5,538.40	-10,535.24	1,649.75	1,150.22	499.53	3.303		
18,400.00	7,001.00	17,519.61	7,321.00	275.89	268.23	101.15	-5,538.43	-10,635.24	1,649.56	1,144.81	504.75	3.268		
18,500.00	7,001.00	17,619.61	7,321.00	278.27	270.73	101.15	-5,538.46	-10,735.24	1,649.37	1,139.39	509.97	3.234		
18,600.00	7,001.00	17,719.61	7,321.00	280.67	273.24	101.15	-5,538.49	-10,835.24	1,649.18	1,133.98	515.20	3.201		
18,700.00	7,001.00	17,819.61	7,321.00	283.07	275.75	101.15	-5,538.52	-10,935.24	1,648.99	1,128.56	520.43	3.169		
18,800.00	7,001.00	17,919.61	7,321.00	285.48	278.27	101.16	-5,538.55	-11,035.24	1,648.80	1,123.14	525.66	3.137		
18,900.00	7,001.00	18,019.69	7,321.00	287.89	280.80	101.16	-5,538.59	-11,135.32	1,648.61	1,117.70	530.91	3.105		
19,000.00	7,001.00	18,248.83	7,321.00	290.31	286.65	101.22	-5,547.83	-11,364.22	1,644.49	1,092.41	552.08	2.979		
19,100.00	7,001.00	18,475.01	7,321.00	292.74	292.51	101.41	-5,574.86	-11,588.72	1,632.60	1,062.90	569.70	2.866		
19,200.00	7,001.00	18,595.16	7,321.00	295.17	295.63	101.56	-5,595.26	-11,707.12	1,615.70	1,039.23	576.47	2.803		
19,300.00	7,001.00	18,693.64	7,321.00	297.61	298.20	101.68	-5,612.20	-11,804.13	1,598.69	1,017.28	581.41	2.750		
19,400.00	7,001.00	18,792.12	7,321.00	300.06	300.76	101.81	-5,629.13	-11,901.15	1,581.68	995.35	586.33	2.698		
19,500.00	7,001.00	18,890.61	7,321.00	302.51	303.33	101.94	-5,646.07	-11,998.16	1,564.69	973.44	591.25	2.646		
19,600.00	7,001.00	18,989.09	7,321.00	304.97	305.89	102.07	-5,663.01	-12,095.18	1,547.70	951.54	596.16	2.596		
19,700.00	7,001.00	19,087.57	7,321.00	307.43	308.46	102.21	-5,679.94	-12,192.19	1,530.72	929.66	601.06	2.547		
19,800.00	7,001.00	19,186.05	7,321.00	309.90	311.03	102.35	-5,696.88	-12,289.21	1,513.75	907.81	605.95	2.498		
19,900.00	7,001.00	19,284.54	7,321.00	312.38	313.60	102.49	-5,713.81	-12,386.22	1,496.79	885.97	610.82	2.450		
20,000.00	7,001.00	19,383.02	7,321.00	314.85	316.17	102.63	-5,730.75	-12,483.24	1,479.84	864.15	615.69	2.404		
20,100.00	7,001.00	19,481.50	7,321.00	317.34	318.75	102.78	-5,747.69	-12,580.25	1,462.90	842.35	620.54	2.357		
20,200.00	7,001.00	19,579.98	7,321.00	319.83	321.32	102.93	-5,764.62	-12,677.27	1,445.96	820.58	625.38	2.312		
20,300.00	7,001.00	19,678.47	7,321.00	322.32	323.89	103.09	-5,781.56	-12,774.28	1,429.04	798.83	630.21	2.268		
20,400.00	7,001.00	19,759.86	7,321.00	324.82	326.02	103.22	-5,795.34	-12,854.50	1,412.45	778.92	633.53	2.229		
20,500.00	7,001.00	19,826.77	7,321.00	327.32	327.77	103.31	-5,805.25	-12,920.67	1,397.86	762.50	635.35	2.200		
20,600.00	7,001.00	19,900.00	7,321.00	329.83	329.69	103.40	-5,814.33	-12,993.34	1,385.56	748.00	637.56	2.173		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - MAVERICK 2W-20-01 - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,700.00	7,001.00	19,961.84	7,321.00	332.34	331.30	103.46	-5,820.54	-13,054.86	1,375.50	737.31	638.20	2.155	
20,800.00	7,001.00	20,029.85	7,321.00	334.85	333.07	103.52	-5,825.85	-13,122.66	1,367.76	728.56	639.20	2.140	
20,900.00	7,001.00	20,100.00	7,321.00	337.37	334.90	103.56	-5,829.63	-13,192.71	1,362.34	722.13	640.21	2.128	
21,000.00	7,001.00	20,166.46	7,321.00	339.89	336.62	103.58	-5,831.63	-13,259.14	1,359.22	718.84	640.38	2.123	
21,084.08	7,001.00	20,224.00	7,321.00	342.02	338.10	103.58	-5,832.11	-13,316.68	1,358.40	717.87	640.53	2.121	
21,100.00	7,001.00	20,234.90	7,321.00	342.42	338.38	103.58	-5,832.07	-13,327.58	1,358.43	717.89	640.54	2.121	
21,200.00	7,001.00	20,331.84	7,321.00	344.95	340.87	103.58	-5,831.33	-13,424.51	1,359.01	713.74	645.27	2.106	
21,300.00	7,001.00	20,431.84	7,321.00	347.48	343.45	103.57	-5,830.56	-13,524.51	1,359.61	709.09	650.52	2.090	
21,400.00	7,001.00	20,531.84	7,321.00	350.02	346.02	103.56	-5,829.78	-13,624.50	1,360.20	704.44	655.76	2.074	
21,500.00	7,001.00	20,631.84	7,321.00	352.56	348.60	103.56	-5,829.01	-13,724.50	1,360.80	699.79	661.01	2.059	
21,600.00	7,001.00	20,731.84	7,321.00	355.10	351.18	103.55	-5,828.24	-13,824.49	1,361.39	695.14	666.26	2.043	
21,700.00	7,001.00	20,831.83	7,321.00	357.65	353.77	103.55	-5,827.46	-13,924.49	1,361.99	690.48	671.51	2.028	
21,800.00	7,001.00	20,931.83	7,321.00	360.20	356.35	103.54	-5,826.69	-14,024.49	1,362.59	685.82	676.76	2.013	
21,818.56	7,001.00	20,950.39	7,321.00	360.67	356.83	103.54	-5,826.55	-14,043.04	1,362.70	684.96	677.74	2.011 SF	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	1.00	0.00	0.00	-106.92	-13.11	-43.09	45.04					
100.00	100.00	101.00	101.00	0.27	0.27	-106.92	-13.11	-43.09	45.04	44.50	0.54	83.203		
200.00	199.98	200.98	200.98	0.62	0.63	52.65	-13.11	-43.09	43.96	42.71	1.25	35.267		
300.00	299.84	300.83	300.83	0.97	0.99	58.52	-13.11	-43.09	40.99	39.03	1.96	20.929		
400.00	399.45	400.00	399.98	1.34	1.33	67.59	-14.69	-43.83	37.91	35.24	2.67	14.196		
500.00	498.70	499.21	499.05	1.74	1.67	78.05	-19.37	-46.05	36.10	32.69	3.41	10.601		
569.66	567.56	568.53	568.13	2.04	1.91	85.82	-24.48	-48.47	35.72	31.77	3.95	9.040 CC		
600.00	597.47	598.75	598.21	2.17	2.02	89.23	-27.18	-49.75	35.79	31.60	4.19	8.543 ES		
700.00	695.62	698.54	697.26	2.62	2.40	100.16	-38.12	-54.94	37.04	32.02	5.02	7.381		
800.00	793.06	798.57	796.06	3.12	2.81	109.96	-52.22	-61.62	39.71	33.84	5.88	6.755		
900.00	889.64	898.84	894.49	3.65	3.24	118.19	-69.47	-69.79	43.56	36.80	6.76	6.444		
1,000.00	985.27	999.36	992.44	4.23	3.72	124.84	-89.87	-79.46	48.31	40.65	7.65	6.311		
1,100.00	1,079.82	1,100.12	1,089.76	4.85	4.23	130.09	-113.43	-90.62	53.72	45.15	8.57	6.271		
1,200.00	1,173.17	1,201.13	1,186.35	5.52	4.79	134.21	-140.13	-103.28	59.61	50.11	9.50	6.275		
1,300.00	1,265.21	1,302.39	1,282.06	6.24	5.40	137.43	-169.98	-117.42	65.86	55.40	10.46	6.297		
1,400.00	1,355.84	1,403.89	1,376.77	7.01	6.05	139.94	-202.94	-133.04	72.36	60.91	11.45	6.319		
1,500.00	1,444.94	1,505.63	1,470.36	7.82	6.77	141.91	-239.00	-150.13	79.05	66.57	12.48	6.335		
1,600.00	1,532.39	1,607.62	1,562.68	8.69	7.53	143.44	-278.14	-168.67	85.87	72.32	13.55	6.339		
1,700.00	1,618.11	1,709.85	1,653.63	9.61	8.35	144.62	-320.33	-188.67	92.79	78.13	14.66	6.329		
1,800.00	1,701.97	1,812.32	1,743.05	10.58	9.23	145.53	-365.54	-210.09	99.78	83.96	15.82	6.306		
1,900.00	1,783.88	1,915.03	1,830.84	11.59	10.16	146.21	-413.72	-232.92	106.81	89.77	17.04	6.269		
2,000.00	1,863.74	2,017.98	1,916.85	12.66	11.16	146.70	-464.84	-257.14	113.87	95.56	18.31	6.219		
2,100.00	1,941.45	2,121.17	2,000.96	13.77	12.20	147.03	-518.84	-282.73	120.94	101.29	19.64	6.157		
2,200.00	2,016.92	2,224.59	2,083.05	14.94	13.31	147.23	-575.67	-309.66	128.00	106.96	21.04	6.084		
2,300.00	2,090.05	2,328.23	2,162.99	16.14	14.47	147.33	-635.28	-337.91	135.04	112.54	22.50	6.002		
2,400.00	2,160.76	2,432.10	2,240.65	17.40	15.68	147.32	-697.60	-367.44	142.05	118.03	24.03	5.912		
2,500.00	2,228.95	2,536.19	2,315.93	18.69	16.95	147.24	-762.57	-398.22	149.03	123.40	25.63	5.815		
2,600.00	2,294.55	2,640.50	2,388.69	20.03	18.28	147.08	-830.10	-430.22	155.96	128.66	27.30	5.712		
2,700.00	2,357.48	2,745.03	2,458.82	21.41	19.65	146.86	-900.13	-463.41	162.84	133.78	29.05	5.605		
2,800.00	2,417.66	2,849.76	2,526.20	22.83	21.08	146.59	-972.57	-497.73	169.65	138.77	30.88	5.493		
2,900.00	2,475.32	2,951.59	2,589.36	24.29	22.50	146.36	-1,044.76	-531.94	176.61	143.80	32.81	5.383		
3,000.00	2,532.58	3,051.33	2,650.98	25.75	23.91	146.22	-1,115.64	-565.53	183.75	148.97	34.77	5.284		
3,100.00	2,589.83	3,151.07	2,712.59	27.22	25.32	146.10	-1,186.52	-599.11	190.88	154.13	36.75	5.193		
3,200.00	2,647.08	3,250.82	2,774.21	28.70	26.73	145.98	-1,257.40	-632.70	198.02	159.27	38.75	5.111		
3,300.00	2,704.33	3,350.56	2,835.83	30.17	28.16	145.87	-1,328.28	-666.29	205.15	164.41	40.75	5.035		
3,400.00	2,761.58	3,450.31	2,897.45	31.65	29.58	145.77	-1,399.16	-699.88	212.29	169.53	42.76	4.965		
3,500.00	2,818.84	3,550.05	2,959.07	33.13	31.01	145.68	-1,470.04	-733.46	219.43	174.65	44.77	4.901		
3,600.00	2,876.09	3,649.80	3,020.68	34.62	32.44	145.59	-1,540.92	-767.05	226.56	179.77	46.79	4.842		
3,700.00	2,933.34	3,749.54	3,082.30	36.10	33.87	145.50	-1,611.80	-800.64	233.70	184.88	48.82	4.787		
3,800.00	2,990.59	3,849.28	3,143.92	37.59	35.31	145.42	-1,682.68	-834.23	240.84	189.98	50.86	4.736		
3,900.00	3,047.84	3,949.03	3,205.54	39.08	36.74	145.35	-1,753.56	-867.81	247.98	195.08	52.90	4.688		
4,000.00	3,105.10	4,048.77	3,267.16	40.57	38.18	145.28	-1,824.44	-901.40	255.12	200.18	54.94	4.644		
4,100.00	3,162.35	4,148.52	3,328.77	42.06	39.62	145.21	-1,895.33	-934.99	262.26	205.27	56.99	4.602		
4,200.00	3,219.60	4,248.26	3,390.39	43.55	41.06	145.15	-1,966.21	-968.57	269.40	210.36	59.04	4.563		
4,300.00	3,276.85	4,348.01	3,452.01	45.05	42.50	145.09	-2,037.09	-1,002.16	276.54	215.45	61.09	4.527		
4,400.00	3,334.10	4,447.75	3,513.63	46.54	43.95	145.04	-2,107.97	-1,035.75	283.68	220.54	63.15	4.492		
4,500.00	3,391.35	4,547.49	3,575.24	48.03	45.39	144.98	-2,178.85	-1,069.34	290.83	225.62	65.21	4.460		
4,600.00	3,448.61	4,647.24	3,636.86	49.53	46.83	144.93	-2,249.73	-1,102.92	297.97	230.70	67.27	4.430		
4,700.00	3,505.86	4,746.98	3,698.48	51.03	48.28	144.88	-2,320.61	-1,136.51	305.11	235.78	69.33	4.401		
4,800.00	3,563.11	4,846.73	3,760.10	52.52	49.73	144.84	-2,391.49	-1,170.10	312.25	240.86	71.40	4.374		
4,900.00	3,620.36	4,946.47	3,821.72	54.02	51.17	144.79	-2,462.37	-1,203.69	319.39	245.93	73.46	4.348		
5,000.00	3,677.61	5,046.22	3,883.33	55.52	52.62	144.75	-2,533.25	-1,237.27	326.54	251.01	75.53	4.323		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 36-T7N-R67W - MAVERICK 2W-20-02 - OWB - PROPOSAL 1		Offset Site Error: 0.00 usft	
Survey Program: 0-MWD OWSG													Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
5,100.00	3,734.87	5,145.96	3,944.95	57.02	54.07	144.71	-2,604.13	-1,270.86	333.68	256.08	77.60	4.300				
5,200.00	3,792.12	5,245.70	4,006.57	58.51	55.52	144.67	-2,675.01	-1,304.45	340.82	261.15	79.67	4.278				
5,300.00	3,849.37	5,345.45	4,068.19	60.01	56.97	144.63	-2,745.89	-1,338.03	347.96	266.22	81.75	4.257				
5,400.00	3,906.62	5,445.19	4,129.81	61.51	58.42	144.60	-2,816.77	-1,371.62	355.11	271.29	83.82	4.237				
5,500.00	3,963.87	5,544.94	4,191.42	63.01	59.87	144.56	-2,887.65	-1,405.21	362.25	276.35	85.90	4.217				
5,600.00	4,021.13	5,644.68	4,253.04	64.51	61.32	144.53	-2,958.53	-1,438.80	369.39	281.42	87.97	4.199				
5,700.00	4,078.38	5,744.43	4,314.66	66.01	62.77	144.50	-3,029.41	-1,472.38	376.54	286.49	90.05	4.181				
5,800.00	4,135.63	5,844.17	4,376.28	67.51	64.22	144.47	-3,100.30	-1,505.97	383.68	291.55	92.13	4.165				
5,900.00	4,192.88	5,943.91	4,437.89	69.01	65.67	144.44	-3,171.18	-1,539.56	390.83	296.62	94.21	4.149				
6,000.00	4,250.13	6,043.66	4,499.51	70.51	67.12	144.41	-3,242.06	-1,573.15	397.97	301.68	96.29	4.133				
6,100.00	4,307.39	6,143.40	4,561.13	72.02	68.57	144.38	-3,312.94	-1,606.73	405.11	306.74	98.37	4.118				
6,200.00	4,364.64	6,243.15	4,622.75	73.52	70.03	144.35	-3,383.82	-1,640.32	412.26	311.80	100.45	4.104				
6,300.00	4,421.89	6,342.89	4,684.37	75.02	71.48	144.33	-3,454.70	-1,673.91	419.40	316.87	102.53	4.090				
6,400.00	4,479.14	6,442.64	4,745.98	76.52	72.93	144.30	-3,525.58	-1,707.49	426.55	321.93	104.62	4.077				
6,500.00	4,536.39	6,542.38	4,807.60	78.02	74.38	144.28	-3,596.46	-1,741.08	433.69	326.99	106.70	4.064				
6,600.00	4,593.64	6,642.13	4,869.22	79.52	75.84	144.26	-3,667.34	-1,774.67	440.83	332.05	108.79	4.052				
6,700.00	4,650.90	6,741.87	4,930.84	81.03	77.29	144.23	-3,738.22	-1,808.26	447.98	337.11	110.87	4.041				
6,800.00	4,708.15	6,841.61	4,992.46	82.53	78.74	144.21	-3,809.10	-1,841.84	455.12	342.17	112.96	4.029				
6,900.00	4,765.40	6,941.36	5,054.07	84.03	80.20	144.19	-3,879.98	-1,875.43	462.27	347.22	115.04	4.018				
7,000.00	4,822.65	7,041.10	5,115.69	85.53	81.65	144.17	-3,950.86	-1,909.02	469.41	352.28	117.13	4.008				
7,100.00	4,879.90	7,140.85	5,177.31	87.04	83.10	144.15	-4,021.74	-1,942.61	476.56	357.34	119.22	3.997				
7,200.00	4,937.16	7,240.59	5,238.93	88.54	84.56	144.13	-4,092.62	-1,976.19	483.70	362.40	121.30	3.987				
7,300.00	4,994.41	7,340.34	5,300.54	90.04	86.01	144.11	-4,163.50	-2,009.78	490.85	367.45	123.39	3.978				
7,400.00	5,051.66	7,440.08	5,362.16	91.54	87.46	144.10	-4,234.39	-2,043.37	497.99	372.51	125.48	3.969				
7,500.00	5,108.91	7,539.82	5,423.78	93.05	88.92	144.08	-4,305.27	-2,076.95	505.14	377.57	127.57	3.960				
7,600.00	5,166.16	7,639.57	5,485.40	94.55	90.37	144.06	-4,376.15	-2,110.54	512.28	382.62	129.66	3.951				
7,700.00	5,223.42	7,739.31	5,547.02	96.05	91.83	144.04	-4,447.03	-2,144.13	519.43	387.68	131.75	3.943				
7,800.00	5,280.67	7,839.06	5,608.63	97.56	93.28	144.03	-4,517.91	-2,177.72	526.57	392.73	133.84	3.934				
7,900.00	5,337.92	7,938.80	5,670.25	99.06	94.74	144.01	-4,588.79	-2,211.30	533.72	397.79	135.93	3.926				
8,000.00	5,395.17	8,038.55	5,731.87	100.56	96.19	144.00	-4,659.67	-2,244.89	540.86	402.84	138.02	3.919				
8,100.00	5,452.42	8,138.29	5,793.49	102.07	97.65	143.98	-4,730.55	-2,278.48	548.01	407.90	140.11	3.911				
8,200.00	5,509.68	8,238.03	5,855.11	103.57	99.10	143.97	-4,801.43	-2,312.07	555.15	412.95	142.20	3.904				
8,300.00	5,566.93	8,337.78	5,916.72	105.08	100.56	143.95	-4,872.31	-2,345.65	562.30	418.00	144.29	3.897				
8,400.00	5,624.18	8,437.52	5,978.34	106.58	102.01	143.94	-4,943.19	-2,379.24	569.44	423.06	146.38	3.890				
8,500.00	5,681.43	8,537.27	6,039.96	108.08	103.47	143.93	-5,014.07	-2,412.83	576.59	428.11	148.47	3.883				
8,600.00	5,738.68	8,637.01	6,101.58	109.59	104.92	143.91	-5,084.95	-2,446.42	583.73	433.17	150.57	3.877				
8,700.00	5,795.93	8,736.76	6,163.19	111.09	106.38	143.90	-5,155.83	-2,480.00	590.88	438.22	152.66	3.871				
8,800.00	5,853.19	8,836.50	6,224.81	112.60	107.83	143.89	-5,226.71	-2,513.59	598.02	443.27	154.75	3.864				
8,900.00	5,910.44	8,936.24	6,286.43	114.10	109.29	143.87	-5,297.59	-2,547.18	605.17	448.32	156.84	3.858				
9,000.00	5,967.69	9,035.99	6,348.05	115.60	110.74	143.86	-5,368.47	-2,580.76	612.31	453.38	158.94	3.853				
9,100.00	6,024.94	9,135.73	6,409.67	117.11	112.20	143.85	-5,439.36	-2,614.35	619.46	458.43	161.03	3.847				
9,200.00	6,082.19	9,235.48	6,471.28	118.61	113.65	143.84	-5,510.24	-2,647.94	626.60	463.48	163.12	3.841				
9,300.00	6,139.45	9,335.22	6,532.90	120.12	115.11	143.83	-5,581.12	-2,681.53	633.75	468.53	165.21	3.836				
9,400.00	6,196.70	9,434.97	6,594.52	121.62	116.57	143.82	-5,652.00	-2,715.11	640.89	473.59	167.31	3.831				
9,500.00	6,253.95	9,534.71	6,656.14	123.13	118.02	143.81	-5,722.88	-2,748.70	648.04	478.64	169.40	3.825				
9,600.00	6,311.20	9,634.45	6,717.76	124.63	119.48	143.80	-5,793.76	-2,782.29	655.18	483.69	171.50	3.820				
9,700.00	6,368.45	9,720.56	6,770.74	126.13	120.74	143.72	-5,854.71	-2,812.10	662.80	489.25	173.55	3.819				
9,800.00	6,425.71	9,788.98	6,810.98	127.64	121.79	143.09	-5,900.99	-2,842.36	674.30	497.92	176.39	3.823				
9,900.00	6,482.96	9,850.00	6,844.65	129.14	122.74	142.01	-5,939.70	-2,875.34	690.66	511.05	179.61	3.845				
10,000.00	6,540.21	9,914.95	6,877.75	130.65	123.77	140.38	-5,977.74	-2,916.22	712.27	528.45	183.82	3.875				
10,100.00	6,597.46	9,970.42	6,903.46	132.15	124.65	138.64	-6,007.29	-2,955.46	739.65	552.55	187.11	3.953				
10,200.00	6,654.71	10,020.37	6,924.40	133.66	125.43	136.85	-6,031.33	-2,993.90	773.12	583.76	189.35	4.083				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,711.97	10,064.95	6,941.17	135.16	126.11	135.11	-6,050.58	-3,030.43	812.75	622.49	190.27	4.272		
10,400.00	6,769.19	10,100.00	6,953.01	136.67	126.64	132.35	-6,064.18	-3,060.48	858.41	669.48	188.93	4.544		
10,500.00	6,824.05	10,150.00	6,967.78	138.22	127.37	120.17	-6,081.11	-3,105.13	904.35	715.67	188.67	4.793		
10,600.00	6,873.81	10,182.83	6,976.06	139.81	127.82	110.65	-6,090.61	-3,135.43	945.69	762.71	182.98	5.168		
10,700.00	6,916.95	10,223.32	6,984.69	141.38	128.36	102.97	-6,100.49	-3,173.74	981.27	804.15	177.12	5.540		
10,800.00	6,952.17	10,264.41	6,991.62	142.87	128.89	97.22	-6,108.40	-3,213.45	1,010.05	839.89	170.15	5.936		
10,900.00	6,978.39	10,300.00	6,996.09	144.24	129.32	93.25	-6,113.50	-3,248.38	1,031.35	870.12	161.23	6.397		
11,000.00	6,994.82	10,350.00	6,999.96	145.43	129.88	90.82	-6,117.89	-3,298.02	1,044.58	889.79	154.78	6.749		
11,100.00	7,000.96	10,392.73	7,001.00	146.41	130.32	89.95	-6,119.03	-3,340.72	1,049.55	902.79	146.75	7.152		
11,200.00	7,001.00	10,485.32	7,001.00	147.26	131.24	89.95	-6,118.90	-3,433.31	1,049.55	900.59	148.96	7.046		
11,300.00	7,001.00	10,585.32	7,001.00	148.14	132.27	89.95	-6,118.77	-3,533.31	1,049.52	896.76	152.77	6.870		
11,400.00	7,001.00	10,685.32	7,001.00	149.06	133.33	89.95	-6,118.63	-3,633.31	1,049.50	892.83	156.67	6.699		
11,500.00	7,001.00	10,785.32	7,001.00	150.00	134.42	89.95	-6,118.49	-3,733.31	1,049.47	888.81	160.67	6.532		
11,600.00	7,001.00	10,885.32	7,001.00	150.97	135.55	89.95	-6,118.35	-3,833.31	1,049.45	884.70	164.75	6.370		
11,700.00	7,001.00	10,985.32	7,001.00	151.97	136.71	89.95	-6,118.22	-3,933.31	1,049.43	880.52	168.90	6.213		
11,800.00	7,001.00	11,085.32	7,001.00	153.00	137.90	89.95	-6,118.08	-4,033.31	1,049.40	876.27	173.13	6.061		
11,900.00	7,001.00	11,185.32	7,001.00	154.06	139.13	89.95	-6,117.94	-4,133.31	1,049.38	871.95	177.43	5.914		
12,000.00	7,001.00	11,285.32	7,001.00	155.15	140.39	89.95	-6,117.81	-4,233.31	1,049.35	867.56	181.79	5.772		
12,100.00	7,001.00	11,385.32	7,001.00	156.27	141.69	89.95	-6,117.67	-4,333.31	1,049.33	863.12	186.21	5.635		
12,200.00	7,001.00	11,485.32	7,001.00	157.43	143.02	89.95	-6,117.53	-4,433.31	1,049.30	858.62	190.68	5.503		
12,300.00	7,001.00	11,585.32	7,001.00	158.61	144.39	89.95	-6,117.40	-4,533.31	1,049.28	854.08	195.20	5.375		
12,400.00	7,001.00	11,685.32	7,001.00	159.82	145.78	89.95	-6,117.26	-4,633.31	1,049.26	849.48	199.77	5.252		
12,500.00	7,001.00	11,785.32	7,001.00	161.07	147.21	89.95	-6,117.12	-4,733.31	1,049.23	844.85	204.38	5.134		
12,600.00	7,001.00	11,885.32	7,001.00	162.34	148.68	89.95	-6,116.99	-4,833.31	1,049.21	840.17	209.04	5.019		
12,700.00	7,001.00	11,985.32	7,001.00	163.64	150.17	89.95	-6,116.85	-4,933.31	1,049.18	835.45	213.73	4.909		
12,800.00	7,001.00	12,085.32	7,001.00	164.98	151.70	89.95	-6,116.71	-5,033.31	1,049.16	830.70	218.46	4.803		
12,900.00	7,001.00	12,185.32	7,001.00	166.34	153.26	89.95	-6,116.58	-5,133.31	1,049.13	825.92	223.22	4.700		
13,000.00	7,001.00	12,285.32	7,001.00	167.74	154.85	89.95	-6,116.44	-5,233.31	1,049.11	821.10	228.01	4.601		
13,100.00	7,001.00	12,385.32	7,001.00	169.16	156.47	89.95	-6,116.30	-5,333.31	1,049.09	816.26	232.83	4.506		
13,200.00	7,001.00	12,485.32	7,001.00	170.61	158.11	89.95	-6,116.17	-5,433.31	1,049.06	811.38	237.68	4.414		
13,300.00	7,001.00	12,585.32	7,001.00	172.10	159.79	89.95	-6,116.03	-5,533.31	1,049.04	806.48	242.55	4.325		
13,400.00	7,001.00	12,685.32	7,001.00	173.61	161.50	89.95	-6,115.89	-5,633.31	1,049.01	801.56	247.45	4.239		
13,500.00	7,001.00	12,785.32	7,001.00	175.15	163.24	89.95	-6,115.75	-5,733.31	1,048.99	796.61	252.38	4.156		
13,600.00	7,001.00	12,885.32	7,001.00	176.72	165.00	89.95	-6,115.62	-5,833.31	1,048.96	791.64	257.32	4.076		
13,700.00	7,001.00	12,985.32	7,001.00	178.31	166.79	89.95	-6,115.48	-5,933.31	1,048.94	786.66	262.28	3.999		
13,800.00	7,001.00	13,085.32	7,001.00	179.94	168.61	89.95	-6,115.34	-6,033.31	1,048.92	781.65	267.27	3.925		
13,900.00	7,001.00	13,185.32	7,001.00	181.59	170.45	89.95	-6,115.21	-6,133.31	1,048.89	776.62	272.27	3.852		
14,000.00	7,001.00	13,285.32	7,001.00	183.26	172.31	89.95	-6,115.07	-6,233.31	1,048.87	771.58	277.29	3.783		
14,100.00	7,001.00	13,385.32	7,001.00	184.97	174.21	89.95	-6,114.93	-6,333.31	1,048.84	766.52	282.33	3.715		
14,200.00	7,001.00	13,485.32	7,001.00	186.70	176.12	89.95	-6,114.80	-6,433.31	1,048.82	761.44	287.38	3.650		
14,300.00	7,001.00	13,585.32	7,001.00	188.45	178.06	89.95	-6,114.66	-6,533.31	1,048.79	756.35	292.44	3.586		
14,400.00	7,001.00	13,685.32	7,001.00	190.23	180.02	89.95	-6,114.52	-6,633.31	1,048.77	751.25	297.52	3.525		
14,500.00	7,001.00	13,785.32	7,001.00	192.03	182.00	89.95	-6,114.39	-6,733.31	1,048.75	746.13	302.62	3.466		
14,600.00	7,001.00	13,885.32	7,001.00	193.86	184.00	89.95	-6,114.25	-6,833.31	1,048.72	741.00	307.72	3.408		
14,700.00	7,001.00	13,985.32	7,001.00	195.71	186.03	89.95	-6,114.11	-6,933.31	1,048.70	735.86	312.84	3.352		
14,800.00	7,001.00	14,085.32	7,001.00	197.58	188.07	89.95	-6,113.98	-7,033.31	1,048.67	730.70	317.97	3.298		
14,900.00	7,001.00	14,185.32	7,001.00	199.47	190.13	89.95	-6,113.84	-7,133.31	1,048.65	725.54	323.11	3.245		
15,000.00	7,001.00	14,285.32	7,001.00	201.39	192.22	89.95	-6,113.70	-7,233.31	1,048.62	720.36	328.26	3.194		
15,100.00	7,001.00	14,385.32	7,001.00	203.32	194.32	89.95	-6,113.57	-7,333.31	1,048.60	715.18	333.42	3.145		
15,200.00	7,001.00	14,485.32	7,001.00	205.28	196.43	89.95	-6,113.43	-7,433.31	1,048.58	709.98	338.59	3.097		
15,300.00	7,001.00	14,585.32	7,001.00	207.25	198.57	89.95	-6,113.29	-7,533.31	1,048.55	704.78	343.77	3.050		
15,400.00	7,001.00	14,685.32	7,001.00	209.25	200.72	89.95	-6,113.15	-7,633.31	1,048.53	699.57	348.96	3.005		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 36-T7N-R67W - MAVERICK 2W-20-02 - OWB - PROPOSAL 1		Offset Site Error: 0.00 usft	
Survey Program: 0-MWD OWSG													Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis		Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
15,500.00	7,001.00	14,785.32	7,001.00	211.26	202.88	89.95	-6,113.02	-7,733.30	1,048.50	694.35	354.15	2.961				
15,600.00	7,001.00	14,885.32	7,001.00	213.30	205.07	89.95	-6,112.88	-7,833.30	1,048.48	689.12	359.36	2.918				
15,700.00	7,001.00	14,985.32	7,001.00	215.35	207.26	89.95	-6,112.74	-7,933.30	1,048.45	683.89	364.57	2.876				
15,800.00	7,001.00	15,085.32	7,001.00	217.42	209.47	89.95	-6,112.61	-8,033.30	1,048.43	678.65	369.79	2.835				
15,900.00	7,001.00	15,185.32	7,001.00	219.50	211.70	89.95	-6,112.47	-8,133.30	1,048.41	673.40	375.01	2.796				
16,000.00	7,001.00	15,285.32	7,001.00	221.60	213.94	89.95	-6,112.33	-8,233.30	1,048.38	668.14	380.24	2.757				
16,100.00	7,001.00	15,385.32	7,001.00	223.72	216.19	89.95	-6,112.20	-8,333.30	1,048.36	662.88	385.48	2.720				
16,200.00	7,001.00	15,485.32	7,001.00	225.85	218.45	89.95	-6,112.06	-8,433.30	1,048.33	657.61	390.72	2.683				
16,300.00	7,001.00	15,585.32	7,001.00	228.00	220.73	89.95	-6,111.92	-8,533.30	1,048.31	652.34	395.97	2.647				
16,400.00	7,001.00	15,685.32	7,001.00	230.16	223.02	89.95	-6,111.79	-8,633.30	1,048.28	647.06	401.23	2.613				
16,500.00	7,001.00	15,785.32	7,001.00	232.34	225.32	89.95	-6,111.65	-8,733.30	1,048.26	641.77	406.49	2.579				
16,600.00	7,001.00	15,885.32	7,001.00	234.53	227.63	89.95	-6,111.51	-8,833.30	1,048.24	636.48	411.76	2.546				
16,700.00	7,001.00	15,985.32	7,001.00	236.73	229.95	89.95	-6,111.38	-8,933.30	1,048.21	631.18	417.03	2.514				
16,800.00	7,001.00	16,085.32	7,001.00	238.95	232.28	89.95	-6,111.24	-9,033.30	1,048.19	625.88	422.30	2.482				
16,900.00	7,001.00	16,185.32	7,001.00	241.18	234.62	89.95	-6,111.10	-9,133.30	1,048.16	620.58	427.58	2.451				
17,000.00	7,001.00	16,285.32	7,001.00	243.42	236.97	89.95	-6,110.97	-9,233.30	1,048.14	615.27	432.87	2.421				
17,100.00	7,001.00	16,385.32	7,001.00	245.67	239.33	89.95	-6,110.83	-9,333.30	1,048.11	609.96	438.16	2.392				
17,200.00	7,001.00	16,485.32	7,001.00	247.93	241.70	89.95	-6,110.69	-9,433.30	1,048.09	604.64	443.45	2.363				
17,300.00	7,001.00	16,585.32	7,001.00	250.21	244.08	89.95	-6,110.55	-9,533.30	1,048.07	599.32	448.75	2.336				
17,400.00	7,001.00	16,685.32	7,001.00	252.50	246.47	89.95	-6,110.42	-9,633.30	1,048.04	593.99	454.05	2.308				
17,500.00	7,001.00	16,785.32	7,001.00	254.79	248.86	89.95	-6,110.28	-9,733.30	1,048.02	588.66	459.35	2.282				
17,600.00	7,001.00	16,885.32	7,001.00	257.10	251.27	89.95	-6,110.14	-9,833.30	1,047.99	583.33	464.66	2.255				
17,700.00	7,001.00	16,985.32	7,001.00	259.42	253.68	89.95	-6,110.01	-9,933.30	1,047.97	577.99	469.98	2.230				
17,800.00	7,001.00	17,085.32	7,001.00	261.74	256.10	89.95	-6,109.87	-10,033.30	1,047.94	572.65	475.29	2.205				
17,900.00	7,001.00	17,185.32	7,001.00	264.08	258.52	89.95	-6,109.73	-10,133.30	1,047.92	567.31	480.61	2.180				
18,000.00	7,001.00	17,285.32	7,001.00	266.42	260.95	89.95	-6,109.60	-10,233.30	1,047.90	561.96	485.93	2.156				
18,100.00	7,001.00	17,385.32	7,001.00	268.78	263.39	89.95	-6,109.46	-10,333.30	1,047.87	556.62	491.26	2.133				
18,200.00	7,001.00	17,485.32	7,001.00	271.14	265.84	89.95	-6,109.32	-10,433.30	1,047.85	551.26	496.58	2.110				
18,300.00	7,001.00	17,585.32	7,001.00	273.51	268.29	89.95	-6,109.19	-10,533.30	1,047.82	545.91	501.91	2.088				
18,400.00	7,001.00	17,685.32	7,001.00	275.89	270.75	89.95	-6,109.05	-10,633.30	1,047.80	540.55	507.25	2.066				
18,500.00	7,001.00	17,785.32	7,001.00	278.27	273.21	89.95	-6,108.91	-10,733.30	1,047.77	535.19	512.58	2.044				
18,600.00	7,001.00	17,885.32	7,001.00	280.67	275.68	89.95	-6,108.78	-10,833.30	1,047.75	529.83	517.92	2.023				
18,700.00	7,001.00	17,985.32	7,001.00	283.07	278.16	89.95	-6,108.64	-10,933.30	1,047.73	524.46	523.26	2.002				
18,800.00	7,001.00	18,085.32	7,001.00	285.48	280.64	89.95	-6,108.50	-11,033.30	1,047.70	519.09	528.61	1.982				
18,900.00	7,001.00	18,185.32	7,001.00	287.89	283.13	89.95	-6,108.37	-11,133.30	1,047.68	513.72	533.95	1.962				
19,000.00	7,001.00	18,341.28	7,001.00	290.31	287.05	89.95	-6,112.25	-11,289.19	1,045.05	494.62	550.43	1.899				
19,100.00	7,001.00	18,475.84	7,001.00	292.74	290.48	89.94	-6,122.15	-11,423.38	1,037.36	475.40	561.96	1.846				
19,200.00	7,001.00	18,575.46	7,001.00	295.17	293.02	89.94	-6,130.67	-11,522.63	1,028.66	461.39	567.27	1.813				
19,300.00	7,001.00	18,675.08	7,001.00	297.61	295.58	89.94	-6,139.18	-11,621.89	1,019.95	447.38	572.57	1.781				
19,400.00	7,001.00	18,774.70	7,001.00	300.06	298.13	89.94	-6,147.69	-11,721.14	1,011.24	433.36	577.88	1.750				
19,500.00	7,001.00	18,874.32	7,001.00	302.51	300.69	89.94	-6,156.20	-11,820.40	1,002.54	419.34	583.20	1.719				
19,600.00	7,001.00	18,973.94	7,001.00	304.97	303.25	89.94	-6,164.72	-11,919.66	993.83	405.32	588.51	1.689				
19,700.00	7,001.00	19,073.56	7,001.00	307.43	305.81	89.94	-6,173.23	-12,018.91	985.13	391.30	593.82	1.659				
19,800.00	7,001.00	19,173.18	7,001.00	309.90	308.38	89.94	-6,181.74	-12,118.17	976.42	377.28	599.14	1.630				
19,900.00	7,001.00	19,272.80	7,001.00	312.38	310.95	89.94	-6,190.25	-12,217.42	967.72	363.25	604.46	1.601				
20,000.00	7,001.00	19,372.42	7,001.00	314.85	313.52	89.94	-6,198.77	-12,316.68	959.01	349.23	609.78	1.573				
20,100.00	7,001.00	19,472.04	7,001.00	317.34	316.09	89.94	-6,207.28	-12,415.94	950.30	335.20	615.10	1.545				
20,200.00	7,001.00	19,571.67	7,001.00	319.83	318.67	89.94	-6,215.79	-12,515.19	941.60	321.17	620.43	1.518				
20,300.00	7,001.00	19,671.29	7,001.00	322.32	321.25	89.94	-6,224.30	-12,614.45	932.89	307.14	625.75	1.491 Level 3				
20,400.00	7,001.00	19,770.91	7,001.00	324.82	323.83	89.94	-6,232.82	-12,713.70	924.19	293.11	631.08	1.464 Level 3				
20,500.00	7,001.00	19,870.53	7,001.00	327.32	326.41	89.94	-6,241.33	-12,812.96	915.48	279.07	636.41	1.439 Level 3				
20,600.00	7,001.00	19,946.51	7,001.00	329.83	328.37	89.94	-6,246.85	-12,888.75	908.06	270.90	637.16	1.425 Level 3				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 36-T7N-R67W - MAVERICK 2W-20-02 - OWB - PROPOSAL 1		Offset Site Error:		0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
20,700.00	7,001.00	20,022.41	7,001.00	332.34	330.33	89.94	-6,250.36	-12,964.56	903.27	265.83	637.44	1.417	Level 3				
20,800.00	7,001.00	20,100.00	7,001.00	334.85	332.32	89.94	-6,251.88	-13,042.13	901.13	263.45	637.68	1.413	Level 3				
20,830.50	7,001.00	20,121.65	7,001.00	335.62	332.88	89.94	-6,251.92	-13,063.78	901.01	263.82	637.19	1.414	Level 3				
20,900.00	7,001.00	20,189.26	7,001.00	337.37	334.60	89.94	-6,251.68	-13,131.39	901.15	260.68	640.47	1.407	Level 3				
21,000.00	7,001.00	20,289.26	7,001.00	339.89	337.16	89.94	-6,251.31	-13,231.38	901.36	255.51	645.85	1.396	Level 3				
21,100.00	7,001.00	20,389.26	7,001.00	342.42	339.72	89.94	-6,250.94	-13,331.38	901.57	250.33	651.23	1.384	Level 3				
21,200.00	7,001.00	20,489.26	7,001.00	344.95	342.28	89.94	-6,250.56	-13,431.38	901.78	245.16	656.62	1.373	Level 3				
21,300.00	7,001.00	20,589.25	7,001.00	347.48	344.84	89.94	-6,250.19	-13,531.38	901.99	239.98	662.01	1.363	Level 3				
21,400.00	7,001.00	20,689.25	7,001.00	350.02	347.41	89.94	-6,249.82	-13,631.38	902.20	234.80	667.39	1.352	Level 3				
21,500.00	7,001.00	20,789.25	7,001.00	352.56	349.98	89.94	-6,249.45	-13,731.38	902.41	229.63	672.78	1.341	Level 3				
21,600.00	7,001.00	20,889.25	7,001.00	355.10	352.56	89.94	-6,249.08	-13,831.38	902.62	224.45	678.17	1.331	Level 3				
21,700.00	7,001.00	20,989.25	7,001.00	357.65	355.13	89.94	-6,248.71	-13,931.38	902.83	219.27	683.56	1.321	Level 3				
21,800.00	7,001.00	21,089.25	7,001.00	360.20	357.71	89.94	-6,248.34	-14,031.38	903.04	214.09	688.95	1.311	Level 3				
21,818.56	7,001.00	21,107.81	7,001.00	360.67	358.19	89.94	-6,248.27	-14,049.93	903.08	213.12	689.95	1.309	Level 3, SF				

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	1.00	0.00	0.00	-106.83	-6.56	-21.68	22.65					
100.00	100.00	101.00	101.00	0.27	0.27	-106.83	-6.56	-21.68	22.65	22.11	0.54	41.848		
200.00	199.98	200.98	200.98	0.62	0.63	54.58	-6.56	-21.68	21.60	20.35	1.25	17.330		
300.00	299.84	300.53	300.51	0.97	0.97	62.82	-8.18	-22.38	19.82	17.88	1.94	10.208		
400.00	399.45	400.20	400.04	1.34	1.32	72.53	-12.98	-24.44	18.58	15.92	2.66	6.988		
500.00	498.70	500.00	499.45	1.74	1.68	83.33	-20.98	-27.88	18.00	14.58	3.42	5.260		
529.43	527.82	529.39	528.66	1.87	1.80	86.60	-23.94	-29.15	17.97	14.31	3.66	4.908 CC		
600.00	597.47	599.91	598.62	2.17	2.07	94.42	-32.16	-32.68	18.15	13.92	4.23	4.287		
700.00	695.62	699.95	697.42	2.62	2.48	104.89	-46.54	-38.86	19.02	13.93	5.09	3.739		
800.00	793.06	800.11	795.73	3.12	2.93	114.10	-64.10	-46.40	20.52	14.55	5.96	3.440		
900.00	889.64	900.39	893.43	3.65	3.41	121.78	-84.83	-55.30	22.52	15.66	6.85	3.285		
1,000.00	985.27	1,000.79	990.41	4.23	3.94	128.01	-108.73	-65.57	24.89	17.14	7.75	3.211		
1,100.00	1,079.82	1,101.32	1,086.52	4.85	4.51	133.00	-135.76	-77.18	27.54	18.88	8.66	3.180		
1,200.00	1,173.17	1,201.97	1,181.66	5.52	5.12	136.97	-165.92	-90.13	30.39	20.81	9.59	3.171		
1,300.00	1,265.21	1,302.73	1,275.70	6.24	5.79	140.14	-199.17	-104.41	33.38	22.85	10.53	3.171		
1,400.00	1,355.84	1,403.62	1,368.52	7.01	6.50	142.68	-235.48	-120.01	36.47	24.98	11.50	3.172		
1,500.00	1,444.94	1,504.63	1,460.00	7.82	7.27	144.72	-274.83	-136.91	39.63	27.14	12.49	3.173		
1,600.00	1,532.39	1,605.76	1,550.02	8.69	8.09	146.37	-317.16	-155.09	42.83	29.31	13.52	3.169		
1,700.00	1,618.11	1,707.01	1,638.46	9.61	8.96	147.70	-362.44	-174.54	46.06	31.48	14.58	3.160		
1,800.00	1,701.97	1,808.38	1,725.20	10.58	9.89	148.76	-410.62	-195.24	49.30	33.63	15.67	3.146		
1,900.00	1,783.88	1,909.86	1,810.13	11.59	10.87	149.62	-461.65	-217.16	52.53	35.73	16.80	3.126		
2,000.00	1,863.74	2,011.45	1,893.13	12.66	11.90	150.30	-515.47	-240.27	55.76	37.79	17.98	3.102		
2,100.00	1,941.45	2,113.16	1,974.09	13.77	12.98	150.83	-572.03	-264.57	58.97	39.78	19.19	3.073		
2,200.00	2,016.92	2,214.97	2,052.90	14.94	14.12	151.24	-631.26	-290.01	62.16	41.71	20.45	3.039		
2,300.00	2,090.05	2,316.90	2,129.44	16.14	15.31	151.54	-693.09	-316.56	65.31	43.55	21.76	3.002		
2,400.00	2,160.76	2,418.93	2,203.62	17.40	16.55	151.75	-757.45	-344.21	68.43	45.32	23.12	2.960		
2,500.00	2,228.95	2,521.07	2,275.34	18.69	17.83	151.88	-824.27	-372.91	71.51	46.99	24.52	2.916		
2,600.00	2,294.55	2,623.31	2,344.48	20.03	19.17	151.93	-893.46	-402.63	74.54	48.56	25.98	2.869		
2,700.00	2,357.48	2,725.64	2,410.95	21.41	20.55	151.93	-964.95	-433.33	77.52	50.03	27.49	2.820		
2,800.00	2,417.66	2,827.58	2,474.41	22.83	21.96	151.89	-1,038.24	-464.81	80.51	51.44	29.07	2.769		
2,900.00	2,475.32	2,927.46	2,535.69	24.29	23.37	152.48	-1,110.71	-495.94	85.24	54.69	30.56	2.790		
3,000.00	2,532.58	3,027.32	2,596.96	25.75	24.78	153.17	-1,183.16	-527.06	90.43	58.45	31.99	2.827		
3,100.00	2,589.83	3,127.18	2,658.23	27.22	26.19	153.79	-1,255.61	-558.18	95.64	62.21	33.43	2.861		
3,200.00	2,647.08	3,227.04	2,719.50	28.70	27.61	154.34	-1,328.07	-589.30	100.85	65.98	34.87	2.892		
3,300.00	2,704.33	3,326.90	2,780.77	30.17	29.04	154.84	-1,400.52	-620.42	106.07	69.75	36.32	2.920		
3,400.00	2,761.58	3,426.76	2,842.04	31.65	30.46	155.29	-1,472.98	-651.54	111.30	73.52	37.78	2.946		
3,500.00	2,818.84	3,526.61	2,903.30	33.13	31.89	155.70	-1,545.43	-682.66	116.54	77.30	39.24	2.970		
3,600.00	2,876.09	3,626.47	2,964.57	34.62	33.33	156.08	-1,617.88	-713.78	121.78	81.08	40.70	2.992		
3,700.00	2,933.34	3,726.33	3,025.84	36.10	34.76	156.42	-1,690.34	-744.90	127.02	84.85	42.17	3.012		
3,800.00	2,990.59	3,826.19	3,087.11	37.59	36.19	156.74	-1,762.79	-776.02	132.27	88.63	43.64	3.031		
3,900.00	3,047.84	3,926.05	3,148.38	39.08	37.63	157.03	-1,835.25	-807.15	137.53	92.41	45.11	3.048		
4,000.00	3,105.10	4,025.91	3,209.65	40.57	39.07	157.30	-1,907.70	-838.27	142.78	96.19	46.59	3.065		
4,100.00	3,162.35	4,125.77	3,270.92	42.06	40.51	157.55	-1,980.15	-869.39	148.04	99.97	48.07	3.080		
4,200.00	3,219.60	4,225.63	3,332.18	43.55	41.95	157.79	-2,052.61	-900.51	153.31	103.76	49.55	3.094		
4,300.00	3,276.85	4,325.49	3,393.45	45.05	43.39	158.01	-2,125.06	-931.63	158.57	107.54	51.03	3.107		
4,400.00	3,334.10	4,425.35	3,454.72	46.54	44.83	158.21	-2,197.52	-962.75	163.84	111.32	52.52	3.120		
4,500.00	3,391.35	4,525.21	3,515.99	48.03	46.27	158.41	-2,269.97	-993.87	169.11	115.10	54.00	3.131		
4,600.00	3,448.61	4,625.07	3,577.26	49.53	47.71	158.59	-2,342.42	-1,024.99	174.38	118.88	55.49	3.142		
4,700.00	3,505.86	4,724.93	3,638.53	51.03	49.16	158.76	-2,414.88	-1,056.11	179.65	122.67	56.98	3.153		
4,800.00	3,563.11	4,824.79	3,699.80	52.52	50.60	158.92	-2,487.33	-1,087.23	184.92	126.45	58.47	3.163		
4,900.00	3,620.36	4,924.65	3,761.07	54.02	52.05	159.07	-2,559.79	-1,118.35	190.20	130.23	59.97	3.172		
5,000.00	3,677.61	5,024.51	3,822.33	55.52	53.49	159.21	-2,632.24	-1,149.47	195.48	134.02	61.46	3.181		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	3,734.87	5,124.37	3,883.60	57.02	54.94	159.35	-2,704.69	-1,180.59	200.75	137.80	62.95	3.189		
5,200.00	3,792.12	5,224.23	3,944.87	58.51	56.38	159.48	-2,777.15	-1,211.71	206.03	141.58	64.45	3.197		
5,300.00	3,849.37	5,324.09	4,006.14	60.01	57.83	159.60	-2,849.60	-1,242.83	211.31	145.36	65.95	3.204		
5,400.00	3,906.62	5,423.95	4,067.41	61.51	59.28	159.71	-2,922.06	-1,273.96	216.59	149.15	67.44	3.211		
5,500.00	3,963.87	5,523.81	4,128.68	63.01	60.72	159.83	-2,994.51	-1,305.08	221.87	152.93	68.94	3.218		
5,600.00	4,021.13	5,623.66	4,189.95	64.51	62.17	159.93	-3,066.96	-1,336.20	227.16	156.71	70.44	3.225		
5,700.00	4,078.38	5,723.52	4,251.21	66.01	63.62	160.03	-3,139.42	-1,367.32	232.44	160.50	71.94	3.231		
5,800.00	4,135.63	5,823.38	4,312.48	67.51	65.07	160.13	-3,211.87	-1,398.44	237.72	164.28	73.44	3.237		
5,900.00	4,192.88	5,923.24	4,373.75	69.01	66.52	160.22	-3,284.33	-1,429.56	243.01	168.06	74.94	3.243		
6,000.00	4,250.13	6,023.10	4,435.02	70.51	67.97	160.31	-3,356.78	-1,460.68	248.29	171.85	76.45	3.248		
6,100.00	4,307.39	6,122.96	4,496.29	72.02	69.41	160.39	-3,429.24	-1,491.80	253.58	175.63	77.95	3.253		
6,200.00	4,364.64	6,222.82	4,557.56	73.52	70.86	160.47	-3,501.69	-1,522.92	258.86	179.41	79.45	3.258		
6,300.00	4,421.89	6,322.68	4,618.83	75.02	72.31	160.55	-3,574.14	-1,554.04	264.15	183.19	80.95	3.263		
6,400.00	4,479.14	6,422.54	4,680.09	76.52	73.76	160.63	-3,646.60	-1,585.16	269.44	186.98	82.46	3.268		
6,500.00	4,536.39	6,522.40	4,741.36	78.02	75.21	160.70	-3,719.05	-1,616.28	274.72	190.76	83.96	3.272		
6,600.00	4,593.64	6,622.26	4,802.63	79.52	76.66	160.77	-3,791.51	-1,647.40	280.01	194.54	85.47	3.276		
6,700.00	4,650.90	6,722.12	4,863.90	81.03	78.11	160.84	-3,863.96	-1,678.52	285.30	198.33	86.97	3.280		
6,800.00	4,708.15	6,821.98	4,925.17	82.53	79.56	160.90	-3,936.41	-1,709.64	290.59	202.11	88.48	3.284		
6,900.00	4,765.40	6,921.84	4,986.44	84.03	81.01	160.96	-4,008.87	-1,740.77	295.88	205.89	89.99	3.288		
7,000.00	4,822.65	7,021.70	5,047.71	85.53	82.46	161.02	-4,081.32	-1,771.89	301.17	209.67	91.49	3.292		
7,100.00	4,879.90	7,121.56	5,108.97	87.04	83.91	161.08	-4,153.78	-1,803.01	306.46	213.46	93.00	3.295		
7,200.00	4,937.16	7,221.42	5,170.24	88.54	85.36	161.13	-4,226.23	-1,834.13	311.75	217.24	94.51	3.299		
7,300.00	4,994.41	7,321.28	5,231.51	90.04	86.82	161.19	-4,298.68	-1,865.25	317.04	221.02	96.01	3.302		
7,400.00	5,051.66	7,421.14	5,292.78	91.54	88.27	161.24	-4,371.14	-1,896.37	322.33	224.81	97.52	3.305		
7,500.00	5,108.91	7,521.00	5,354.05	93.05	89.72	161.29	-4,443.59	-1,927.49	327.62	228.59	99.03	3.308		
7,600.00	5,166.16	7,620.86	5,415.32	94.55	91.17	161.34	-4,516.05	-1,958.61	332.91	232.37	100.54	3.311		
7,700.00	5,223.42	7,720.72	5,476.59	96.05	92.62	161.39	-4,588.50	-1,989.73	338.20	236.15	102.05	3.314		
7,800.00	5,280.67	7,820.57	5,537.86	97.56	94.07	161.43	-4,660.95	-2,020.85	343.49	239.94	103.56	3.317		
7,900.00	5,337.92	7,920.43	5,599.12	99.06	95.52	161.48	-4,733.41	-2,051.97	348.78	243.72	105.06	3.320		
8,000.00	5,395.17	8,020.29	5,660.39	100.56	96.97	161.52	-4,805.86	-2,083.09	354.07	247.50	106.57	3.322		
8,100.00	5,452.42	8,120.15	5,721.66	102.07	98.43	161.56	-4,878.32	-2,114.21	359.37	251.28	108.08	3.325		
8,200.00	5,509.68	8,220.01	5,782.93	103.57	99.88	161.60	-4,950.77	-2,145.33	364.66	255.07	109.59	3.327		
8,300.00	5,566.93	8,319.87	5,844.20	105.08	101.33	161.64	-5,023.22	-2,176.45	369.95	258.85	111.10	3.330		
8,400.00	5,624.18	8,419.73	5,905.47	106.58	102.78	161.68	-5,095.68	-2,207.58	375.24	262.63	112.61	3.332		
8,500.00	5,681.43	8,519.59	5,966.74	108.08	104.23	161.72	-5,168.13	-2,238.70	380.54	266.41	114.12	3.334		
8,600.00	5,738.68	8,619.45	6,028.00	109.59	105.68	161.75	-5,240.59	-2,269.82	385.83	270.19	115.63	3.337		
8,700.00	5,795.93	8,719.31	6,089.27	111.09	107.14	161.79	-5,313.04	-2,300.94	391.12	273.98	117.15	3.339		
8,800.00	5,853.19	8,819.17	6,150.54	112.60	108.59	161.82	-5,385.49	-2,332.06	396.42	277.76	118.66	3.341		
8,900.00	5,910.44	8,919.03	6,211.81	114.10	110.04	161.86	-5,457.95	-2,363.18	401.71	281.54	120.17	3.343		
9,000.00	5,967.69	9,018.89	6,273.08	115.60	111.49	161.89	-5,530.40	-2,394.30	407.00	285.32	121.68	3.345		
9,100.00	6,024.94	9,118.75	6,334.35	117.11	112.94	161.92	-5,602.86	-2,425.42	412.30	289.11	123.19	3.347		
9,200.00	6,082.19	9,218.61	6,395.62	118.61	114.40	161.95	-5,675.31	-2,456.54	417.59	292.89	124.70	3.349		
9,300.00	6,139.45	9,318.47	6,456.88	120.12	115.85	161.98	-5,747.76	-2,487.66	422.88	296.67	126.21	3.351		
9,400.00	6,196.70	9,418.33	6,518.15	121.62	117.30	162.01	-5,820.22	-2,518.78	428.18	300.45	127.72	3.352		
9,500.00	6,253.95	9,518.19	6,579.42	123.13	118.75	162.04	-5,892.67	-2,549.90	433.47	304.23	129.24	3.354		
9,600.00	6,311.20	9,618.05	6,640.69	124.63	120.21	162.07	-5,965.13	-2,581.02	438.77	308.02	130.75	3.356		
9,700.00	6,368.45	9,717.91	6,701.96	126.13	121.66	162.10	-6,037.58	-2,612.14	444.06	311.80	132.26	3.357		
9,800.00	6,425.71	9,817.77	6,763.23	127.64	123.11	162.12	-6,110.03	-2,643.26	449.35	315.58	133.77	3.359		
9,900.00	6,482.96	9,917.62	6,824.50	129.14	124.56	162.15	-6,182.49	-2,674.38	454.65	319.36	135.29	3.361		
10,000.00	6,540.21	10,017.48	6,885.77	130.65	126.02	162.18	-6,254.94	-2,705.51	459.94	323.15	136.80	3.362		
10,100.00	6,597.46	10,117.34	6,947.03	132.15	127.47	162.20	-6,327.40	-2,736.63	465.24	326.93	138.31	3.364		
10,200.00	6,654.71	10,217.20	7,008.30	133.66	128.92	162.22	-6,399.85	-2,767.75	470.53	330.71	139.82	3.365		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,711.97	10,316.77	7,069.39	135.16	130.37	162.24	-6,472.09	-2,798.80	475.83	334.49	141.34	3.366		
10,400.00	6,769.19	10,410.58	7,124.92	136.67	131.78	160.40	-6,537.75	-2,836.02	481.78	336.82	144.96	3.323		
10,500.00	6,824.05	10,500.00	7,173.55	138.22	133.17	151.99	-6,595.22	-2,884.10	488.25	338.75	149.50	3.266		
10,600.00	6,873.81	10,591.41	7,217.67	139.81	134.59	144.77	-6,647.33	-2,944.73	494.42	340.89	153.53	3.220		
10,700.00	6,916.95	10,679.51	7,253.80	141.38	135.92	138.93	-6,689.97	-3,012.72	499.98	343.77	156.21	3.201		
10,800.00	6,952.17	10,766.48	7,282.46	142.87	137.16	134.43	-6,723.77	-3,087.45	504.66	346.99	157.67	3.201		
10,900.00	6,978.39	10,850.00	7,302.83	144.24	138.26	131.26	-6,747.74	-3,164.75	508.22	350.87	157.35	3.230		
11,000.00	6,994.82	10,938.18	7,316.22	145.43	139.28	129.32	-6,763.45	-3,250.39	510.48	353.02	157.46	3.242		
11,100.00	7,000.96	11,023.46	7,320.97	146.41	140.13	128.60	-6,768.93	-3,335.29	511.34	355.00	156.34	3.271		
11,200.00	7,001.00	11,122.27	7,321.00	147.26	141.02	128.60	-6,768.80	-3,434.09	511.35	352.55	158.80	3.220		
11,300.00	7,001.00	11,222.27	7,321.00	148.14	141.95	128.60	-6,768.64	-3,534.09	511.35	349.70	161.65	3.163		
11,400.00	7,001.00	11,322.27	7,321.00	149.06	142.90	128.60	-6,768.47	-3,634.09	511.36	346.78	164.58	3.107		
11,500.00	7,001.00	11,422.27	7,321.00	150.00	143.89	128.60	-6,768.31	-3,734.09	511.36	343.80	167.56	3.052		
11,600.00	7,001.00	11,522.27	7,321.00	150.97	144.91	128.60	-6,768.14	-3,834.09	511.36	340.76	170.60	2.997		
11,700.00	7,001.00	11,622.27	7,321.00	151.97	145.96	128.60	-6,767.98	-3,934.09	511.36	337.66	173.70	2.944		
11,800.00	7,001.00	11,722.27	7,321.00	153.00	147.05	128.60	-6,767.81	-4,034.09	511.37	334.51	176.86	2.891		
11,900.00	7,001.00	11,822.27	7,321.00	154.06	148.16	128.60	-6,767.65	-4,134.09	511.37	331.31	180.06	2.840		
12,000.00	7,001.00	11,922.27	7,321.00	155.15	149.31	128.60	-6,767.48	-4,234.09	511.37	328.05	183.32	2.790		
12,100.00	7,001.00	12,022.27	7,321.00	156.27	150.49	128.59	-6,767.32	-4,334.09	511.37	324.76	186.62	2.740		
12,200.00	7,001.00	12,122.27	7,321.00	157.43	151.70	128.59	-6,767.16	-4,434.09	511.38	321.42	189.96	2.692		
12,300.00	7,001.00	12,222.27	7,321.00	158.61	152.94	128.59	-6,766.99	-4,534.09	511.38	318.04	193.34	2.645		
12,400.00	7,001.00	12,322.27	7,321.00	159.82	154.21	128.59	-6,766.83	-4,634.08	511.38	314.62	196.77	2.599		
12,500.00	7,001.00	12,422.27	7,321.00	161.07	155.52	128.59	-6,766.66	-4,734.08	511.38	311.16	200.23	2.554		
12,600.00	7,001.00	12,522.27	7,321.00	162.34	156.85	128.59	-6,766.50	-4,834.08	511.39	307.67	203.72	2.510		
12,700.00	7,001.00	12,622.27	7,321.00	163.64	158.22	128.59	-6,766.33	-4,934.08	511.39	304.14	207.25	2.468		
12,800.00	7,001.00	12,722.27	7,321.00	164.98	159.62	128.59	-6,766.17	-5,034.08	511.39	300.58	210.81	2.426		
12,900.00	7,001.00	12,822.27	7,321.00	166.34	161.05	128.59	-6,766.00	-5,134.08	511.40	297.00	214.40	2.385		
13,000.00	7,001.00	12,922.27	7,321.00	167.74	162.51	128.59	-6,765.84	-5,234.08	511.40	293.38	218.02	2.346		
13,100.00	7,001.00	13,022.27	7,321.00	169.16	164.00	128.59	-6,765.68	-5,334.08	511.40	289.74	221.66	2.307		
13,200.00	7,001.00	13,122.27	7,321.00	170.61	165.52	128.59	-6,765.51	-5,434.08	511.40	286.07	225.34	2.270		
13,300.00	7,001.00	13,222.27	7,321.00	172.10	167.07	128.59	-6,765.35	-5,534.08	511.41	282.37	229.03	2.233		
13,400.00	7,001.00	13,322.27	7,321.00	173.61	168.65	128.59	-6,765.18	-5,634.08	511.41	278.66	232.75	2.197		
13,500.00	7,001.00	13,422.27	7,321.00	175.15	170.26	128.59	-6,765.02	-5,734.08	511.41	274.92	236.50	2.162		
13,600.00	7,001.00	13,522.27	7,321.00	176.72	171.90	128.59	-6,764.85	-5,834.08	511.41	271.15	240.26	2.129		
13,700.00	7,001.00	13,622.27	7,321.00	178.31	173.56	128.59	-6,764.69	-5,934.08	511.42	267.37	244.04	2.096		
13,800.00	7,001.00	13,722.27	7,321.00	179.94	175.26	128.59	-6,764.52	-6,034.08	511.42	263.57	247.85	2.063		
13,900.00	7,001.00	13,822.27	7,321.00	181.59	176.97	128.59	-6,764.36	-6,134.08	511.42	259.75	251.67	2.032		
14,000.00	7,001.00	13,922.27	7,321.00	183.26	178.72	128.59	-6,764.20	-6,234.08	511.42	255.92	255.51	2.002		
14,100.00	7,001.00	14,022.27	7,321.00	184.97	180.49	128.59	-6,764.03	-6,334.08	511.43	252.06	259.36	1.972		
14,200.00	7,001.00	14,122.27	7,321.00	186.70	182.29	128.59	-6,763.87	-6,434.08	511.43	248.19	263.24	1.943		
14,300.00	7,001.00	14,222.27	7,321.00	188.45	184.11	128.59	-6,763.70	-6,534.08	511.43	244.31	267.13	1.915		
14,400.00	7,001.00	14,322.27	7,321.00	190.23	185.95	128.59	-6,763.54	-6,634.08	511.43	240.41	271.03	1.887		
14,500.00	7,001.00	14,422.27	7,321.00	192.03	187.82	128.59	-6,763.37	-6,734.08	511.44	236.49	274.95	1.860		
14,600.00	7,001.00	14,522.27	7,321.00	193.86	189.71	128.59	-6,763.21	-6,834.08	511.44	232.56	278.88	1.834		
14,700.00	7,001.00	14,622.27	7,321.00	195.71	191.62	128.59	-6,763.04	-6,934.08	511.44	228.62	282.82	1.808		
14,800.00	7,001.00	14,722.27	7,321.00	197.58	193.56	128.59	-6,762.88	-7,034.08	511.44	224.67	286.78	1.783		
14,900.00	7,001.00	14,822.27	7,321.00	199.47	195.52	128.59	-6,762.72	-7,134.08	511.45	220.70	290.74	1.759		
15,000.00	7,001.00	14,922.27	7,321.00	201.39	197.49	128.59	-6,762.55	-7,234.08	511.45	216.73	294.72	1.735		
15,100.00	7,001.00	15,022.27	7,321.00	203.32	199.49	128.59	-6,762.39	-7,334.08	511.45	212.74	298.72	1.712		
15,200.00	7,001.00	15,122.27	7,321.00	205.28	201.51	128.59	-6,762.22	-7,434.08	511.46	208.74	302.72	1.690		
15,300.00	7,001.00	15,222.27	7,321.00	207.25	203.54	128.59	-6,762.06	-7,534.08	511.46	204.73	306.73	1.667		
15,400.00	7,001.00	15,322.27	7,321.00	209.25	205.60	128.59	-6,761.89	-7,634.08	511.46	200.71	310.75	1.646		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	7,001.00	15,422.27	7,321.00	211.26	207.67	128.59	-6,761.73	-7,734.08	511.46	196.68	314.78	1.625		
15,600.00	7,001.00	15,522.27	7,321.00	213.30	209.76	128.59	-6,761.56	-7,834.08	511.47	192.65	318.82	1.604		
15,700.00	7,001.00	15,622.27	7,321.00	215.35	211.86	128.59	-6,761.40	-7,934.08	511.47	188.60	322.87	1.584		
15,800.00	7,001.00	15,722.27	7,321.00	217.42	213.99	128.59	-6,761.23	-8,034.08	511.47	184.55	326.93	1.564		
15,900.00	7,001.00	15,822.27	7,321.00	219.50	216.13	128.59	-6,761.07	-8,134.08	511.47	180.48	330.99	1.545		
16,000.00	7,001.00	15,922.27	7,321.00	221.60	218.28	128.59	-6,760.91	-8,234.08	511.48	176.41	335.06	1.527		
16,100.00	7,001.00	16,022.27	7,321.00	223.72	220.45	128.59	-6,760.74	-8,334.08	511.48	172.34	339.14	1.508		
16,200.00	7,001.00	16,122.27	7,321.00	225.85	222.63	128.59	-6,760.58	-8,434.08	511.48	168.25	343.23	1.490	Level 3	
16,300.00	7,001.00	16,222.27	7,321.00	228.00	224.83	128.59	-6,760.41	-8,534.08	511.48	164.16	347.33	1.473	Level 3	
16,400.00	7,001.00	16,322.27	7,321.00	230.16	227.04	128.58	-6,760.25	-8,634.08	511.49	160.06	351.43	1.455	Level 3	
16,500.00	7,001.00	16,422.27	7,321.00	232.34	229.26	128.58	-6,760.08	-8,734.08	511.49	155.95	355.53	1.439	Level 3	
16,600.00	7,001.00	16,522.27	7,321.00	234.53	231.50	128.58	-6,759.92	-8,834.08	511.49	151.84	359.65	1.422	Level 3	
16,700.00	7,001.00	16,622.27	7,321.00	236.73	233.75	128.58	-6,759.75	-8,934.08	511.49	147.73	363.77	1.406	Level 3	
16,800.00	7,001.00	16,722.27	7,321.00	238.95	236.01	128.58	-6,759.59	-9,034.08	511.50	143.60	367.89	1.390	Level 3	
16,900.00	7,001.00	16,822.27	7,321.00	241.18	238.29	128.58	-6,759.43	-9,134.08	511.50	139.47	372.03	1.375	Level 3	
17,000.00	7,001.00	16,922.27	7,321.00	243.42	240.57	128.58	-6,759.26	-9,234.08	511.50	135.34	376.16	1.360	Level 3	
17,100.00	7,001.00	17,022.27	7,321.00	245.67	242.86	128.58	-6,759.10	-9,334.08	511.50	131.20	380.31	1.345	Level 3	
17,200.00	7,001.00	17,122.27	7,321.00	247.93	245.17	128.58	-6,758.93	-9,434.08	511.51	127.05	384.45	1.330	Level 3	
17,300.00	7,001.00	17,222.27	7,321.00	250.21	247.49	128.58	-6,758.77	-9,534.08	511.51	122.90	388.61	1.316	Level 3	
17,400.00	7,001.00	17,322.27	7,321.00	252.50	249.81	128.58	-6,758.60	-9,634.08	511.51	118.75	392.76	1.302	Level 3	
17,500.00	7,001.00	17,422.27	7,321.00	254.79	252.15	128.58	-6,758.44	-9,734.08	511.52	114.59	396.93	1.289	Level 3	
17,600.00	7,001.00	17,522.27	7,321.00	257.10	254.49	128.58	-6,758.27	-9,834.08	511.52	110.42	401.09	1.275	Level 3	
17,700.00	7,001.00	17,622.27	7,321.00	259.42	256.85	128.58	-6,758.11	-9,934.08	511.52	106.26	405.26	1.262	Level 3	
17,800.00	7,001.00	17,722.27	7,321.00	261.74	259.21	128.58	-6,757.95	-10,034.08	511.52	102.08	409.44	1.249	Level 2	
17,900.00	7,001.00	17,822.27	7,321.00	264.08	261.58	128.58	-6,757.78	-10,134.08	511.53	97.91	413.62	1.237	Level 2	
18,000.00	7,001.00	17,922.27	7,321.00	266.42	263.96	128.58	-6,757.62	-10,234.08	511.53	93.73	417.80	1.224	Level 2	
18,100.00	7,001.00	18,022.27	7,321.00	268.78	266.35	128.58	-6,757.45	-10,334.08	511.53	89.54	421.99	1.212	Level 2	
18,200.00	7,001.00	18,122.27	7,321.00	271.14	268.74	128.58	-6,757.29	-10,434.08	511.53	85.35	426.18	1.200	Level 2	
18,300.00	7,001.00	18,222.27	7,321.00	273.51	271.14	128.58	-6,757.12	-10,534.08	511.54	81.16	430.38	1.189	Level 2	
18,400.00	7,001.00	18,322.27	7,321.00	275.89	273.55	128.58	-6,756.96	-10,634.08	511.54	76.96	434.57	1.177	Level 2	
18,500.00	7,001.00	18,422.27	7,321.00	278.27	275.97	128.58	-6,756.79	-10,734.08	511.54	72.77	438.78	1.166	Level 2	
18,600.00	7,001.00	18,522.27	7,321.00	280.67	278.40	128.58	-6,756.63	-10,834.08	511.54	68.56	442.98	1.155	Level 2	
18,700.00	7,001.00	18,622.27	7,321.00	283.07	280.83	128.58	-6,756.47	-10,934.08	511.55	64.36	447.19	1.144	Level 2	
18,800.00	7,001.00	18,722.27	7,321.00	285.48	283.26	128.58	-6,756.30	-11,034.08	511.55	60.15	451.40	1.133	Level 2	
18,900.00	7,001.00	18,822.27	7,321.00	287.89	285.71	128.58	-6,756.14	-11,134.08	511.55	55.94	455.62	1.123	Level 2	
19,000.00	7,001.00	18,922.27	7,321.00	290.31	288.16	128.58	-6,755.97	-11,234.08	511.55	51.72	459.83	1.112	Level 2	
19,100.00	7,001.00	19,022.27	7,321.00	292.74	290.61	128.58	-6,755.81	-11,334.08	511.56	47.50	464.05	1.102	Level 2	
19,200.00	7,001.00	19,122.27	7,321.00	295.17	293.07	128.58	-6,755.64	-11,434.08	511.56	43.28	468.28	1.092	Level 2	
19,300.00	7,001.00	19,222.27	7,321.00	297.61	295.54	128.58	-6,755.48	-11,534.08	511.56	39.06	472.50	1.083	Level 2	
19,400.00	7,001.00	19,322.27	7,321.00	300.06	298.01	128.58	-6,755.31	-11,634.08	511.56	34.83	476.73	1.073	Level 2	
19,500.00	7,001.00	19,422.27	7,321.00	302.51	300.49	128.58	-6,755.15	-11,734.08	511.57	30.60	480.96	1.064	Level 2	
19,600.00	7,001.00	19,522.27	7,321.00	304.97	302.97	128.58	-6,754.98	-11,834.08	511.57	26.37	485.20	1.054	Level 2	
19,700.00	7,001.00	19,622.27	7,321.00	307.43	305.46	128.58	-6,754.82	-11,934.08	511.57	22.14	489.44	1.045	Level 2	
19,800.00	7,001.00	19,722.27	7,321.00	309.90	307.95	128.58	-6,754.66	-12,034.08	511.58	17.90	493.67	1.036	Level 2	
19,900.00	7,001.00	19,822.27	7,321.00	312.38	310.45	128.58	-6,754.49	-12,134.08	511.58	13.66	497.92	1.027	Level 2	
20,000.00	7,001.00	19,922.27	7,321.00	314.85	312.95	128.58	-6,754.33	-12,234.07	511.58	9.42	502.16	1.019	Level 2	
20,100.00	7,001.00	20,022.27	7,321.00	317.34	315.46	128.58	-6,754.16	-12,334.07	511.58	5.18	506.41	1.010	Level 2	
20,200.00	7,001.00	20,122.27	7,321.00	319.83	317.97	128.58	-6,754.00	-12,434.07	511.59	0.93	510.65	1.002	Level 2	
20,300.00	7,001.00	20,222.27	7,321.00	322.32	320.48	128.58	-6,753.83	-12,534.07	511.59	-3.32	514.90	0.994	Level 1	
20,400.00	7,001.00	20,322.27	7,321.00	324.82	323.00	128.58	-6,753.67	-12,634.07	511.59	-7.57	519.16	0.985	Level 1	
20,500.00	7,001.00	20,422.27	7,321.00	327.32	325.52	128.58	-6,753.50	-12,734.07	511.59	-11.82	523.41	0.977	Level 1	
20,600.00	7,001.00	20,522.27	7,321.00	329.83	328.05	128.58	-6,753.34	-12,834.07	511.60	-16.07	527.67	0.970	Level 1	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - MAVERICK 2W-20-03 - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,700.00	7,001.00	20,622.27	7,321.00	332.34	330.58	128.57	-6,753.18	-12,934.07	511.60	-20.33	531.93	0.962	Level 1
20,800.00	7,001.00	20,722.27	7,321.00	334.85	333.11	128.57	-6,753.01	-13,034.07	511.60	-24.59	536.19	0.954	Level 1
20,900.00	7,001.00	20,822.27	7,321.00	337.37	335.65	128.57	-6,752.85	-13,134.07	511.60	-28.84	540.45	0.947	Level 1
21,000.00	7,001.00	20,922.27	7,321.00	339.89	338.19	128.57	-6,752.68	-13,234.07	511.61	-33.11	544.71	0.939	Level 1
21,100.00	7,001.00	21,022.27	7,321.00	342.42	340.74	128.57	-6,752.52	-13,334.07	511.61	-37.37	548.98	0.932	Level 1
21,200.00	7,001.00	21,122.27	7,321.00	344.95	343.28	128.57	-6,752.35	-13,434.07	511.61	-41.63	553.25	0.925	Level 1
21,300.00	7,001.00	21,222.27	7,321.00	347.48	345.84	128.57	-6,752.19	-13,534.07	511.61	-45.90	557.52	0.918	Level 1
21,400.00	7,001.00	21,322.27	7,321.00	350.02	348.39	128.57	-6,752.02	-13,634.07	511.62	-50.17	561.79	0.911	Level 1
21,500.00	7,001.00	21,422.27	7,321.00	352.56	350.95	128.57	-6,751.86	-13,734.07	511.62	-54.44	566.06	0.904	Level 1
21,600.00	7,001.00	21,522.27	7,321.00	355.10	353.51	128.57	-6,751.70	-13,834.07	511.62	-58.71	570.33	0.897	Level 1
21,700.00	7,001.00	21,622.27	7,321.00	357.65	356.07	128.57	-6,751.53	-13,934.07	511.62	-62.98	574.61	0.890	Level 1
21,800.00	7,001.00	21,722.27	7,321.00	360.20	358.64	128.57	-6,751.37	-14,034.07	511.63	-67.26	578.88	0.884	Level 1
21,818.56	7,001.00	21,740.82	7,321.00	360.67	359.11	128.57	-6,751.34	-14,052.63	511.63	-68.05	579.68	0.883	Level 1, ES, SF

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-INC												Offset Well Error:	0.00 usft
Reference				Offset			Semi Major Axis		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,800.00	2,417.66	2,449.66	2,449.66	22.83	48.90	55.72	-5,657.35	-9,397.21	10,047.30	9,981.35	65.95	152.349	
2,900.00	2,475.32	2,507.32	2,507.32	24.29	50.06	56.71	-5,657.35	-9,397.21	9,985.58	9,917.43	68.14	146.538	
3,000.00	2,532.58	2,564.58	2,564.58	25.75	51.21	56.99	-5,657.35	-9,397.21	9,923.92	9,853.57	70.35	141.068	
3,100.00	2,589.83	2,621.83	2,621.83	27.22	52.36	57.28	-5,657.35	-9,397.21	9,862.56	9,789.99	72.57	135.902	
3,200.00	2,647.08	2,679.08	2,679.08	28.70	53.51	57.57	-5,657.35	-9,397.21	9,801.50	9,726.69	74.81	131.016	
3,300.00	2,704.33	2,736.33	2,736.33	30.17	54.67	57.87	-5,657.35	-9,397.21	9,740.75	9,663.68	77.07	126.391	
3,400.00	2,761.58	2,793.58	2,793.58	31.65	55.82	58.16	-5,657.35	-9,397.21	9,680.32	9,600.97	79.34	122.009	
3,500.00	2,818.84	2,850.84	2,850.84	33.13	56.97	58.46	-5,657.35	-9,397.21	9,620.20	9,538.57	81.63	117.851	
3,600.00	2,876.09	2,908.09	2,908.09	34.62	58.12	58.76	-5,657.35	-9,397.21	9,560.40	9,476.47	83.93	113.904	
3,700.00	2,933.34	2,965.34	2,965.34	36.10	59.27	59.06	-5,657.35	-9,397.21	9,500.94	9,414.69	86.25	110.151	
3,800.00	2,990.59	3,022.59	3,022.59	37.59	60.42	59.36	-5,657.35	-9,397.21	9,441.82	9,353.23	88.59	106.581	
3,900.00	3,047.84	3,079.84	3,079.84	39.08	61.57	59.66	-5,657.35	-9,397.21	9,383.04	9,292.10	90.94	103.180	
4,000.00	3,105.10	3,137.10	3,137.10	40.57	62.73	59.97	-5,657.35	-9,397.21	9,324.61	9,231.30	93.30	99.939	
4,100.00	3,162.35	3,194.35	3,194.35	42.06	63.88	60.28	-5,657.35	-9,397.21	9,266.53	9,170.85	95.68	96.847	
4,200.00	3,219.60	3,251.60	3,251.60	43.55	65.03	60.59	-5,657.35	-9,397.21	9,208.82	9,110.75	98.08	93.895	
4,300.00	3,276.85	3,308.85	3,308.85	45.05	66.18	60.90	-5,657.35	-9,397.21	9,151.49	9,051.00	100.48	91.073	
4,400.00	3,334.10	3,366.10	3,366.10	46.54	67.33	61.21	-5,657.35	-9,397.21	9,094.52	8,991.62	102.91	88.375	
4,500.00	3,391.35	3,423.35	3,423.35	48.03	68.48	61.53	-5,657.35	-9,397.21	9,037.95	8,932.60	105.35	85.793	
4,600.00	3,448.61	3,480.61	3,480.61	49.53	69.63	61.85	-5,657.35	-9,397.21	8,981.76	8,873.96	107.80	83.320	
4,700.00	3,505.86	3,537.86	3,537.86	51.03	70.79	62.17	-5,657.35	-9,397.21	8,925.98	8,815.71	110.27	80.949	
4,800.00	3,563.11	3,595.11	3,595.11	52.52	71.94	62.49	-5,657.35	-9,397.21	8,870.60	8,757.85	112.75	78.676	
4,900.00	3,620.36	3,652.36	3,652.36	54.02	73.09	62.81	-5,657.35	-9,397.21	8,815.64	8,700.39	115.24	76.495	
5,000.00	3,677.61	3,709.61	3,709.61	55.52	74.24	63.14	-5,657.35	-9,397.21	8,761.10	8,643.34	117.76	74.401	
5,100.00	3,734.87	3,766.87	3,766.87	57.02	75.39	63.46	-5,657.35	-9,397.21	8,706.99	8,586.71	120.28	72.389	
5,200.00	3,792.12	3,824.12	3,824.12	58.51	76.54	63.79	-5,657.35	-9,397.21	8,653.32	8,530.49	122.82	70.454	
5,300.00	3,849.37	3,881.37	3,881.37	60.01	77.69	64.12	-5,657.35	-9,397.21	8,600.09	8,474.71	125.38	68.594	
5,400.00	3,906.62	3,938.62	3,938.62	61.51	78.85	64.46	-5,657.35	-9,397.21	8,547.32	8,419.37	127.95	66.804	
5,500.00	3,963.87	3,995.87	3,995.87	63.01	80.00	64.79	-5,657.35	-9,397.21	8,495.01	8,364.48	130.53	65.081	
5,600.00	4,021.13	4,053.13	4,053.13	64.51	81.15	65.13	-5,657.35	-9,397.21	8,443.18	8,310.05	133.13	63.422	
5,700.00	4,078.38	4,110.38	4,110.38	66.01	82.30	65.47	-5,657.35	-9,397.21	8,391.83	8,256.09	135.74	61.823	
5,800.00	4,135.63	4,167.63	4,167.63	67.51	83.45	65.81	-5,657.35	-9,397.21	8,340.96	8,202.59	138.37	60.281	
5,900.00	4,192.88	4,224.88	4,224.88	69.01	84.60	66.15	-5,657.35	-9,397.21	8,290.60	8,149.59	141.01	58.795	
6,000.00	4,250.13	4,282.13	4,282.13	70.51	85.75	66.49	-5,657.35	-9,397.21	8,240.74	8,097.08	143.67	57.361	
6,100.00	4,307.39	4,339.39	4,339.39	72.02	86.91	66.84	-5,657.35	-9,397.21	8,191.40	8,045.07	146.34	55.977	
6,200.00	4,364.64	4,396.64	4,396.64	73.52	88.06	67.19	-5,657.35	-9,397.21	8,142.59	7,993.57	149.02	54.641	
6,300.00	4,421.89	4,453.89	4,453.89	75.02	89.21	67.53	-5,657.35	-9,397.21	8,094.31	7,942.59	151.72	53.351	
6,400.00	4,479.14	4,511.14	4,511.14	76.52	90.36	67.89	-5,657.35	-9,397.21	8,046.58	7,892.15	154.43	52.105	
6,500.00	4,536.39	4,568.39	4,568.39	78.02	91.51	68.24	-5,657.35	-9,397.21	7,999.40	7,842.25	157.16	50.901	
6,600.00	4,593.64	4,625.64	4,625.64	79.52	92.66	68.59	-5,657.35	-9,397.21	7,952.79	7,792.90	159.89	49.738	
6,700.00	4,650.90	4,682.90	4,682.90	81.03	93.81	68.95	-5,657.35	-9,397.21	7,906.76	7,744.11	162.65	48.613	
6,800.00	4,708.15	4,740.15	4,740.15	82.53	94.97	69.31	-5,657.35	-9,397.21	7,861.31	7,695.90	165.41	47.525	
6,900.00	4,765.40	4,797.40	4,797.40	84.03	96.12	69.67	-5,657.35	-9,397.21	7,816.46	7,648.26	168.19	46.473	
7,000.00	4,822.65	4,854.65	4,854.65	85.53	97.27	70.03	-5,657.35	-9,397.21	7,772.21	7,601.22	170.98	45.456	
7,100.00	4,879.90	4,911.90	4,911.90	87.04	98.42	70.39	-5,657.35	-9,397.21	7,728.58	7,554.79	173.79	44.471	
7,200.00	4,937.16	4,969.16	4,969.16	88.54	99.57	70.75	-5,657.35	-9,397.21	7,685.57	7,508.97	176.61	43.518	
7,300.00	4,994.41	5,026.41	5,026.41	90.04	100.72	71.12	-5,657.35	-9,397.21	7,643.21	7,463.77	179.43	42.596	
7,400.00	5,051.66	5,083.66	5,083.66	91.54	101.87	71.49	-5,657.35	-9,397.21	7,601.49	7,419.21	182.28	41.703	
7,500.00	5,108.91	5,140.91	5,140.91	93.05	103.03	71.86	-5,657.35	-9,397.21	7,560.43	7,375.30	185.13	40.839	
7,600.00	5,166.16	5,198.16	5,198.16	94.55	104.18	72.23	-5,657.35	-9,397.21	7,520.04	7,332.05	187.99	40.002	
7,700.00	5,223.42	5,255.42	5,255.42	96.05	105.33	72.60	-5,657.35	-9,397.21	7,480.33	7,289.47	190.86	39.192	
7,800.00	5,280.67	5,312.67	5,312.67	97.56	106.48	72.98	-5,657.35	-9,397.21	7,441.31	7,247.57	193.75	38.407	
7,900.00	5,337.92	5,369.92	5,369.92	99.06	107.63	73.35	-5,657.35	-9,397.21	7,403.00	7,206.36	196.64	37.647	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,000.00	5,395.17	5,427.17	5,427.17	100.56	108.78	73.73	-5,657.35	-9,397.21	7,365.40	7,165.85	199.54	36.911		
8,100.00	5,452.42	5,484.42	5,484.42	102.07	109.93	74.11	-5,657.35	-9,397.21	7,328.52	7,126.06	202.46	36.198		
8,200.00	5,509.68	5,541.68	5,541.68	103.57	111.08	74.49	-5,657.35	-9,397.21	7,292.38	7,087.00	205.38	35.507		
8,300.00	5,566.93	5,598.93	5,598.93	105.08	112.24	74.87	-5,657.35	-9,397.21	7,256.98	7,048.68	208.31	34.838		
8,400.00	5,624.18	5,656.18	5,656.18	106.58	113.39	75.25	-5,657.35	-9,397.21	7,222.34	7,011.10	211.24	34.190		
8,500.00	5,681.43	5,713.43	5,713.43	108.08	114.54	75.63	-5,657.35	-9,397.21	7,188.48	6,974.29	214.19	33.562		
8,600.00	5,738.68	5,770.68	5,770.68	109.59	115.69	76.02	-5,657.35	-9,397.21	7,155.38	6,938.25	217.13	32.954		
8,700.00	5,795.93	5,827.93	5,827.93	111.09	116.84	76.41	-5,657.35	-9,397.21	7,123.08	6,902.99	220.09	32.364		
8,800.00	5,853.19	5,885.19	5,885.19	112.60	117.99	76.79	-5,657.35	-9,397.21	7,091.58	6,868.53	223.05	31.794		
8,900.00	5,910.44	5,942.44	5,942.44	114.10	119.14	77.18	-5,657.35	-9,397.21	7,060.90	6,834.88	226.01	31.241		
9,000.00	5,967.69	5,999.69	5,999.69	115.60	120.30	77.57	-5,657.35	-9,397.21	7,031.03	6,802.05	228.98	30.706		
9,100.00	6,024.94	6,056.94	6,056.94	117.11	121.45	77.96	-5,657.35	-9,397.21	7,002.00	6,770.05	231.95	30.187		
9,200.00	6,082.19	6,114.19	6,114.19	118.61	122.60	78.36	-5,657.35	-9,397.21	6,973.81	6,738.88	234.92	29.685		
9,300.00	6,139.45	6,171.45	6,171.45	120.12	123.75	78.75	-5,657.35	-9,397.21	6,946.47	6,708.57	237.90	29.199		
9,400.00	6,196.70	6,228.70	6,228.70	121.62	124.90	79.15	-5,657.35	-9,397.21	6,920.00	6,679.12	240.87	28.729		
9,500.00	6,253.95	6,285.95	6,285.95	123.13	126.05	79.54	-5,657.35	-9,397.21	6,894.40	6,650.55	243.85	28.273		
9,600.00	6,311.20	6,343.20	6,343.20	124.63	127.20	79.94	-5,657.35	-9,397.21	6,869.68	6,622.86	246.82	27.833		
9,700.00	6,368.45	6,400.45	6,400.45	126.13	128.36	80.34	-5,657.35	-9,397.21	6,845.86	6,596.06	249.79	27.406		
9,800.00	6,425.71	6,457.71	6,457.71	127.64	129.51	80.73	-5,657.35	-9,397.21	6,822.93	6,570.17	252.76	26.993		
9,900.00	6,482.96	6,514.96	6,514.96	129.14	130.66	81.13	-5,657.35	-9,397.21	6,800.92	6,545.20	255.73	26.594		
10,000.00	6,540.21	6,572.21	6,572.21	130.65	131.81	81.53	-5,657.35	-9,397.21	6,779.83	6,521.14	258.69	26.208		
10,100.00	6,597.46	6,629.46	6,629.46	132.15	132.96	81.94	-5,657.35	-9,397.21	6,759.67	6,498.03	261.64	25.835		
10,200.00	6,654.71	6,686.71	6,686.71	133.66	134.11	82.34	-5,657.35	-9,397.21	6,740.45	6,475.85	264.59	25.475		
10,300.00	6,711.97	6,743.97	6,743.97	135.16	135.26	82.74	-5,657.35	-9,397.21	6,722.17	6,454.63	267.54	25.126		
10,400.00	6,769.19	6,801.19	6,801.19	136.67	136.41	82.39	-5,657.35	-9,397.21	6,704.73	6,434.26	270.47	24.789		
10,500.00	6,824.05	6,856.05	6,856.05	138.22	137.52	76.84	-5,657.35	-9,397.21	6,677.96	6,404.61	273.36	24.430		
10,600.00	6,873.81	6,905.81	6,905.81	139.81	138.52	72.55	-5,657.35	-9,397.21	6,635.88	6,359.78	276.10	24.034		
10,700.00	6,916.95	6,948.95	6,948.95	141.38	139.39	69.73	-5,657.35	-9,397.21	6,579.62	6,301.00	278.62	23.615		
10,800.00	6,952.17	6,984.17	6,984.17	142.87	140.09	68.62	-5,657.35	-9,397.21	6,510.68	6,229.85	280.83	23.184		
10,900.00	6,978.39	7,010.39	7,010.39	144.24	140.62	69.75	-5,657.35	-9,397.21	6,430.92	6,148.27	282.65	22.752		
11,000.00	6,994.82	7,026.82	7,026.82	145.43	140.95	74.56	-5,657.35	-9,397.21	6,342.54	6,058.51	284.03	22.331		
11,100.00	7,000.96	7,032.96	7,032.96	146.41	141.08	88.01	-5,657.35	-9,397.21	6,247.97	5,963.06	284.91	21.930		
11,200.00	7,001.00	7,033.00	7,033.00	147.26	141.08	90.00	-5,657.35	-9,397.21	6,150.97	5,865.47	285.50	21.545		
11,300.00	7,001.00	7,033.00	7,033.00	148.14	141.08	90.00	-5,657.35	-9,397.21	6,054.04	5,767.94	286.10	21.161		
11,400.00	7,001.00	7,033.00	7,033.00	149.06	141.08	90.00	-5,657.35	-9,397.21	5,957.22	5,670.50	286.72	20.777		
11,500.00	7,001.00	7,033.00	7,033.00	150.00	141.08	90.00	-5,657.35	-9,397.21	5,860.50	5,573.14	287.36	20.395		
11,600.00	7,001.00	7,033.00	7,033.00	150.97	141.08	90.00	-5,657.35	-9,397.21	5,763.89	5,475.88	288.02	20.012		
11,700.00	7,001.00	7,033.00	7,033.00	151.97	141.08	90.00	-5,657.35	-9,397.21	5,667.41	5,378.71	288.70	19.631		
11,800.00	7,001.00	7,033.00	7,033.00	153.00	141.08	90.00	-5,657.35	-9,397.21	5,571.04	5,281.64	289.40	19.250		
11,900.00	7,001.00	7,033.00	7,033.00	154.06	141.08	90.00	-5,657.35	-9,397.21	5,474.81	5,184.68	290.13	18.870		
12,000.00	7,001.00	7,033.00	7,033.00	155.15	141.08	90.00	-5,657.35	-9,397.21	5,378.71	5,087.83	290.89	18.491		
12,100.00	7,001.00	7,033.00	7,033.00	156.27	141.08	90.00	-5,657.35	-9,397.21	5,282.76	4,991.09	291.67	18.112		
12,200.00	7,001.00	7,033.00	7,033.00	157.43	141.08	90.00	-5,657.35	-9,397.21	5,186.96	4,894.49	292.47	17.735		
12,300.00	7,001.00	7,033.00	7,033.00	158.61	141.08	90.00	-5,657.35	-9,397.21	5,091.33	4,798.02	293.31	17.358		
12,400.00	7,001.00	7,033.00	7,033.00	159.82	141.08	90.00	-5,657.35	-9,397.21	4,995.86	4,701.68	294.18	16.982		
12,500.00	7,001.00	7,033.00	7,033.00	161.07	141.08	90.00	-5,657.35	-9,397.21	4,900.58	4,605.50	295.08	16.608		
12,600.00	7,001.00	7,033.00	7,033.00	162.34	141.08	90.00	-5,657.35	-9,397.21	4,805.48	4,509.48	296.01	16.234		
12,700.00	7,001.00	7,033.00	7,033.00	163.64	141.08	90.00	-5,657.35	-9,397.21	4,710.59	4,413.62	296.97	15.862		
12,800.00	7,001.00	7,033.00	7,033.00	164.98	141.08	90.00	-5,657.35	-9,397.21	4,615.92	4,317.94	297.98	15.491		
12,900.00	7,001.00	7,033.00	7,033.00	166.34	141.08	90.00	-5,657.35	-9,397.21	4,521.48	4,222.46	299.02	15.121		
13,000.00	7,001.00	7,033.00	7,033.00	167.74	141.08	90.00	-5,657.35	-9,397.21	4,427.28	4,127.18	300.10	14.753		
13,100.00	7,001.00	7,033.00	7,033.00	169.16	141.08	90.00	-5,657.35	-9,397.21	4,333.33	4,032.11	301.22	14.386		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-INC												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,200.00	7,001.00	7,033.00	7,033.00	170.61	141.08	90.00	-5,657.35	-9,397.21	4,239.67	3,937.28	302.39	14.020	
13,300.00	7,001.00	7,033.00	7,033.00	172.10	141.08	90.00	-5,657.35	-9,397.21	4,146.30	3,842.69	303.61	13.657	
13,400.00	7,001.00	7,033.00	7,033.00	173.61	141.08	90.00	-5,657.35	-9,397.21	4,053.25	3,748.37	304.88	13.295	
13,500.00	7,001.00	7,033.00	7,033.00	175.15	141.08	90.00	-5,657.35	-9,397.21	3,960.54	3,654.34	306.20	12.935	
13,600.00	7,001.00	7,033.00	7,033.00	176.72	141.08	90.00	-5,657.35	-9,397.21	3,868.19	3,560.62	307.57	12.577	
13,700.00	7,001.00	7,033.00	7,033.00	178.31	141.08	90.00	-5,657.35	-9,397.21	3,776.23	3,467.23	309.00	12.221	
13,800.00	7,001.00	7,033.00	7,033.00	179.94	141.08	90.00	-5,657.35	-9,397.21	3,684.69	3,374.19	310.50	11.867	
13,900.00	7,001.00	7,033.00	7,033.00	181.59	141.08	90.00	-5,657.35	-9,397.21	3,593.60	3,281.55	312.05	11.516	
14,000.00	7,001.00	7,033.00	7,033.00	183.26	141.08	90.00	-5,657.35	-9,397.21	3,503.00	3,189.32	313.68	11.168	
14,100.00	7,001.00	7,033.00	7,033.00	184.97	141.08	90.00	-5,657.35	-9,397.21	3,412.92	3,097.55	315.37	10.822	
14,200.00	7,001.00	7,033.00	7,033.00	186.70	141.08	90.00	-5,657.35	-9,397.21	3,323.41	3,006.27	317.14	10.479	
14,300.00	7,001.00	7,033.00	7,033.00	188.45	141.08	90.00	-5,657.35	-9,397.21	3,234.51	2,915.53	318.98	10.140	
14,400.00	7,001.00	7,033.00	7,033.00	190.23	141.08	90.00	-5,657.35	-9,397.21	3,146.28	2,825.38	320.90	9.804	
14,500.00	7,001.00	7,033.00	7,033.00	192.03	141.08	90.00	-5,657.35	-9,397.21	3,058.77	2,735.87	322.91	9.473	
14,600.00	7,001.00	7,033.00	7,033.00	193.86	141.08	90.00	-5,657.35	-9,397.21	2,972.06	2,647.06	325.00	9.145	
14,700.00	7,001.00	7,033.00	7,033.00	195.71	141.08	90.00	-5,657.35	-9,397.21	2,886.20	2,559.02	327.18	8.822	
14,800.00	7,001.00	7,033.00	7,033.00	197.58	141.08	90.00	-5,657.35	-9,397.21	2,801.28	2,471.83	329.44	8.503	
14,900.00	7,001.00	7,033.00	7,033.00	199.47	141.08	90.00	-5,657.35	-9,397.21	2,717.39	2,385.58	331.80	8.190	
15,000.00	7,001.00	7,033.00	7,033.00	201.39	141.08	90.00	-5,657.35	-9,397.21	2,634.62	2,300.37	334.25	7.882	
15,100.00	7,001.00	7,033.00	7,033.00	203.32	141.08	90.00	-5,657.35	-9,397.21	2,553.08	2,216.30	336.79	7.581	
15,200.00	7,001.00	7,033.00	7,033.00	205.28	141.08	90.00	-5,657.35	-9,397.21	2,472.90	2,133.49	339.41	7.286	
15,300.00	7,001.00	7,033.00	7,033.00	207.25	141.08	90.00	-5,657.35	-9,397.21	2,394.22	2,052.11	342.11	6.998	
15,400.00	7,001.00	7,033.00	7,033.00	209.25	141.08	90.00	-5,657.35	-9,397.21	2,317.17	1,972.29	344.88	6.719	
15,500.00	7,001.00	7,033.00	7,033.00	211.26	141.08	90.00	-5,657.35	-9,397.21	2,241.94	1,894.23	347.72	6.448	
15,600.00	7,001.00	7,033.00	7,033.00	213.30	141.08	90.00	-5,657.35	-9,397.21	2,168.72	1,818.13	350.59	6.186	
15,700.00	7,001.00	7,033.00	7,033.00	215.35	141.08	90.00	-5,657.35	-9,397.21	2,097.70	1,744.22	353.48	5.934	
15,800.00	7,001.00	7,033.00	7,033.00	217.42	141.08	90.00	-5,657.35	-9,397.21	2,029.13	1,672.77	356.37	5.694	
15,900.00	7,001.00	7,033.00	7,033.00	219.50	141.08	90.00	-5,657.35	-9,397.21	1,963.26	1,604.06	359.20	5.466	
16,000.00	7,001.00	7,033.00	7,033.00	221.60	141.08	90.00	-5,657.35	-9,397.21	1,900.38	1,538.43	361.94	5.250	
16,100.00	7,001.00	7,033.00	7,033.00	223.72	141.08	90.00	-5,657.35	-9,397.21	1,840.77	1,476.24	364.54	5.050	
16,200.00	7,001.00	7,033.00	7,033.00	225.85	141.08	90.00	-5,657.35	-9,397.21	1,784.79	1,417.88	366.91	4.864	
16,300.00	7,001.00	7,033.00	7,033.00	228.00	141.08	90.00	-5,657.35	-9,397.21	1,732.77	1,363.78	368.99	4.696	
16,400.00	7,001.00	7,033.00	7,033.00	230.16	141.08	90.00	-5,657.35	-9,397.21	1,685.09	1,314.39	370.69	4.546	
16,500.00	7,001.00	7,033.00	7,033.00	232.34	141.08	90.00	-5,657.35	-9,397.21	1,642.11	1,270.20	371.92	4.415	
16,600.00	7,001.00	7,033.00	7,033.00	234.53	141.08	90.00	-5,657.35	-9,397.21	1,604.23	1,231.66	372.57	4.306	
16,700.00	7,001.00	7,033.00	7,033.00	236.73	141.08	90.00	-5,657.35	-9,397.21	1,571.81	1,199.26	372.55	4.219	
16,800.00	7,001.00	7,033.00	7,033.00	238.95	141.08	90.00	-5,657.35	-9,397.21	1,545.19	1,173.41	371.78	4.156	
16,900.00	7,001.00	7,033.00	7,033.00	241.18	141.08	90.00	-5,657.35	-9,397.21	1,524.67	1,154.49	370.18	4.119	
17,000.00	7,001.00	7,033.00	7,033.00	243.42	141.08	90.00	-5,657.35	-9,397.21	1,510.51	1,142.79	367.72	4.108 SF	
17,100.00	7,001.00	7,033.00	7,033.00	245.67	141.08	90.00	-5,657.35	-9,397.21	1,502.89	1,138.51	364.38	4.124 ES	
17,164.89	7,001.00	7,033.00	7,033.00	247.14	141.08	90.00	-5,657.35	-9,397.21	1,501.49	1,139.73	361.75	4.151 CC	
17,200.00	7,001.00	7,033.00	7,033.00	247.93	141.08	90.00	-5,657.35	-9,397.21	1,501.90	1,141.71	360.19	4.170	
17,300.00	7,001.00	7,033.00	7,033.00	250.21	141.08	90.00	-5,657.35	-9,397.21	1,507.55	1,152.35	355.20	4.244	
17,400.00	7,001.00	7,033.00	7,033.00	252.50	141.08	90.00	-5,657.35	-9,397.21	1,519.78	1,170.27	349.52	4.348	
17,500.00	7,001.00	7,033.00	7,033.00	254.79	141.08	90.00	-5,657.35	-9,397.21	1,538.43	1,195.17	343.25	4.482	
17,600.00	7,001.00	7,033.00	7,033.00	257.10	141.08	90.00	-5,657.35	-9,397.21	1,563.26	1,226.71	336.55	4.645	
17,700.00	7,001.00	7,033.00	7,033.00	259.42	141.08	90.00	-5,657.35	-9,397.21	1,593.99	1,264.44	329.55	4.837	
17,800.00	7,001.00	7,033.00	7,033.00	261.74	141.08	90.00	-5,657.35	-9,397.21	1,630.28	1,307.89	322.39	5.057	
17,900.00	7,001.00	7,033.00	7,033.00	264.08	141.08	90.00	-5,657.35	-9,397.21	1,671.78	1,356.58	315.20	5.304	
18,000.00	7,001.00	7,033.00	7,033.00	266.42	141.08	90.00	-5,657.35	-9,397.21	1,718.10	1,410.00	308.10	5.576	
18,100.00	7,001.00	7,033.00	7,033.00	268.78	141.08	90.00	-5,657.35	-9,397.21	1,768.87	1,467.69	301.17	5.873	
18,200.00	7,001.00	7,033.00	7,033.00	271.14	141.08	90.00	-5,657.35	-9,397.21	1,823.71	1,529.20	294.50	6.192	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-INC												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,300.00	7,001.00	7,033.00	7,033.00	273.51	141.08	90.00	-5,657.35	-9,397.21	1,882.27	1,594.12	288.15	6.532	
18,400.00	7,001.00	7,033.00	7,033.00	275.89	141.08	90.00	-5,657.35	-9,397.21	1,944.21	1,662.07	282.14	6.891	
18,500.00	7,001.00	7,033.00	7,033.00	278.27	141.08	90.00	-5,657.35	-9,397.21	2,009.22	1,732.71	276.51	7.266	
18,600.00	7,001.00	7,033.00	7,033.00	280.67	141.08	90.00	-5,657.35	-9,397.21	2,077.02	1,805.75	271.27	7.657	
18,700.00	7,001.00	7,033.00	7,033.00	283.07	141.08	90.00	-5,657.35	-9,397.21	2,147.33	1,880.91	266.42	8.060	
18,800.00	7,001.00	7,033.00	7,033.00	285.48	141.08	90.00	-5,657.35	-9,397.21	2,219.92	1,957.96	261.96	8.474	
18,900.00	7,001.00	7,033.00	7,033.00	287.89	141.08	90.00	-5,657.35	-9,397.21	2,294.57	2,036.69	257.88	8.898	
19,000.00	7,001.00	7,033.00	7,033.00	290.31	141.08	90.00	-5,657.35	-9,397.21	2,371.09	2,116.93	254.16	9.329	
19,100.00	7,001.00	7,033.00	7,033.00	292.74	141.08	90.00	-5,657.35	-9,397.21	2,449.31	2,198.52	250.79	9.767	
19,200.00	7,001.00	7,033.00	7,033.00	295.17	141.08	90.00	-5,657.35	-9,397.21	2,529.06	2,281.32	247.74	10.209	
19,300.00	7,001.00	7,033.00	7,033.00	297.61	141.08	90.00	-5,657.35	-9,397.21	2,610.20	2,365.21	244.99	10.654	
19,400.00	7,001.00	7,033.00	7,033.00	300.06	141.08	90.00	-5,657.35	-9,397.21	2,692.62	2,450.08	242.53	11.102	
19,500.00	7,001.00	7,033.00	7,033.00	302.51	141.08	90.00	-5,657.35	-9,397.21	2,776.18	2,535.85	240.33	11.551	
19,600.00	7,001.00	7,033.00	7,033.00	304.97	141.08	90.00	-5,657.35	-9,397.21	2,860.81	2,622.43	238.38	12.001	
19,700.00	7,001.00	7,033.00	7,033.00	307.43	141.08	90.00	-5,657.35	-9,397.21	2,946.39	2,709.75	236.65	12.451	
19,800.00	7,001.00	7,033.00	7,033.00	309.90	141.08	90.00	-5,657.35	-9,397.21	3,032.86	2,797.75	235.12	12.899	
19,900.00	7,001.00	7,033.00	7,033.00	312.38	141.08	90.00	-5,657.35	-9,397.21	3,120.14	2,886.37	233.77	13.347	
20,000.00	7,001.00	7,033.00	7,033.00	314.85	141.08	90.00	-5,657.35	-9,397.21	3,208.16	2,975.57	232.60	13.793	
20,100.00	7,001.00	7,033.00	7,033.00	317.34	141.08	90.00	-5,657.35	-9,397.21	3,296.87	3,065.30	231.57	14.237	
20,200.00	7,001.00	7,033.00	7,033.00	319.83	141.08	90.00	-5,657.35	-9,397.21	3,386.20	3,155.51	230.69	14.679	
20,300.00	7,001.00	7,033.00	7,033.00	322.32	141.08	90.00	-5,657.35	-9,397.21	3,476.11	3,246.19	229.92	15.118	
20,400.00	7,001.00	7,033.00	7,033.00	324.82	141.08	90.00	-5,657.35	-9,397.21	3,566.57	3,337.29	229.28	15.556	
20,500.00	7,001.00	7,033.00	7,033.00	327.32	141.08	90.00	-5,657.35	-9,397.21	3,657.52	3,428.79	228.73	15.991	
20,600.00	7,001.00	7,033.00	7,033.00	329.83	141.08	90.00	-5,657.35	-9,397.21	3,748.93	3,520.66	228.27	16.423	
20,700.00	7,001.00	7,033.00	7,033.00	332.34	141.08	90.00	-5,657.35	-9,397.21	3,840.76	3,612.88	227.89	16.854	
20,800.00	7,001.00	7,033.00	7,033.00	334.85	141.08	90.00	-5,657.35	-9,397.21	3,933.00	3,705.42	227.58	17.282	
20,900.00	7,001.00	7,033.00	7,033.00	337.37	141.08	90.00	-5,657.35	-9,397.21	4,025.61	3,798.27	227.34	17.707	
21,000.00	7,001.00	7,033.00	7,033.00	339.89	141.08	90.00	-5,657.35	-9,397.21	4,118.56	3,891.40	227.16	18.131	
21,100.00	7,001.00	7,033.00	7,033.00	342.42	141.08	90.00	-5,657.35	-9,397.21	4,211.83	3,984.81	227.02	18.553	
21,200.00	7,001.00	7,033.00	7,033.00	344.95	141.08	90.00	-5,657.35	-9,397.21	4,305.41	4,078.48	226.93	18.972	
21,300.00	7,001.00	7,033.00	7,033.00	347.48	141.08	90.00	-5,657.35	-9,397.21	4,399.27	4,172.39	226.89	19.390	
21,400.00	7,001.00	7,033.00	7,033.00	350.02	141.08	90.00	-5,657.35	-9,397.21	4,493.40	4,266.52	226.87	19.806	
21,500.00	7,001.00	7,033.00	7,033.00	352.56	141.08	90.00	-5,657.35	-9,397.21	4,587.77	4,360.88	226.89	20.220	
21,600.00	7,001.00	7,033.00	7,033.00	355.10	141.08	90.00	-5,657.35	-9,397.21	4,682.38	4,455.44	226.94	20.633	
21,700.00	7,001.00	7,033.00	7,033.00	357.65	141.08	90.00	-5,657.35	-9,397.21	4,777.20	4,550.19	227.01	21.044	
21,800.00	7,001.00	7,033.00	7,033.00	360.20	141.08	90.00	-5,657.35	-9,397.21	4,872.24	4,645.13	227.11	21.453	
21,818.56	7,001.00	7,033.00	7,033.00	360.67	141.08	90.00	-5,657.35	-9,397.21	4,889.90	4,662.77	227.13	21.529	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,000.00	1,863.74	1,836.74	1,836.74	12.66	6.39	33.70	-6,980.32	-7,860.07	9,970.78	9,955.40	15.38	648.144		
2,100.00	1,941.45	1,914.45	1,914.45	13.77	6.67	34.64	-6,980.32	-7,860.07	9,915.12	9,898.82	16.30	608.414		
2,200.00	2,016.92	1,989.92	1,989.92	14.94	6.94	35.67	-6,980.32	-7,860.07	9,857.19	9,839.96	17.22	572.340		
2,300.00	2,090.05	2,063.05	2,063.05	16.14	7.20	36.77	-6,980.32	-7,860.07	9,797.07	9,778.90	18.16	539.448		
2,400.00	2,160.76	2,133.76	2,133.76	17.40	7.45	37.96	-6,980.32	-7,860.07	9,734.84	9,715.73	19.11	509.343		
2,500.00	2,228.95	2,201.95	2,201.95	18.69	7.70	39.25	-6,980.32	-7,860.07	9,670.61	9,650.53	20.08	481.695		
2,600.00	2,294.55	2,267.55	2,267.55	20.03	7.93	40.63	-6,980.32	-7,860.07	9,604.46	9,583.41	21.05	456.221		
2,700.00	2,357.48	2,330.48	2,330.48	21.41	8.16	42.12	-6,980.32	-7,860.07	9,536.49	9,514.45	22.04	432.682		
2,800.00	2,417.66	2,390.66	2,390.66	22.83	8.37	43.72	-6,980.32	-7,860.07	9,466.79	9,443.75	23.04	410.873		
2,900.00	2,475.32	2,448.32	2,448.32	24.29	8.58	44.76	-6,980.32	-7,860.07	9,395.66	9,371.60	24.05	390.625		
3,000.00	2,532.58	2,505.58	2,505.58	25.75	8.78	45.05	-6,980.32	-7,860.07	9,324.44	9,299.37	25.08	371.815		
3,100.00	2,589.83	2,562.83	2,562.83	27.22	8.99	45.34	-6,980.32	-7,860.07	9,253.41	9,227.29	26.12	354.260		
3,200.00	2,647.08	2,620.08	2,620.08	28.70	9.20	45.63	-6,980.32	-7,860.07	9,182.56	9,155.38	27.18	337.855		
3,300.00	2,704.33	2,677.33	2,677.33	30.17	9.40	45.93	-6,980.32	-7,860.07	9,111.89	9,083.64	28.25	322.505		
3,400.00	2,761.58	2,734.58	2,734.58	31.65	9.61	46.23	-6,980.32	-7,860.07	9,041.42	9,012.07	29.34	308.121		
3,500.00	2,818.84	2,791.84	2,791.84	33.13	9.81	46.54	-6,980.32	-7,860.07	8,971.14	8,940.69	30.45	294.625		
3,600.00	2,876.09	2,849.09	2,849.09	34.62	10.02	46.84	-6,980.32	-7,860.07	8,901.06	8,869.49	31.57	281.945		
3,700.00	2,933.34	2,906.34	2,906.34	36.10	10.22	47.15	-6,980.32	-7,860.07	8,831.19	8,798.48	32.71	270.015		
3,800.00	2,990.59	2,963.59	2,963.59	37.59	10.43	47.47	-6,980.32	-7,860.07	8,761.53	8,727.67	33.86	258.777		
3,900.00	3,047.84	3,020.84	3,020.84	39.08	10.63	47.78	-6,980.32	-7,860.07	8,692.08	8,657.06	35.02	248.177		
4,000.00	3,105.10	3,078.10	3,078.10	40.57	10.84	48.10	-6,980.32	-7,860.07	8,622.85	8,586.65	36.21	238.167		
4,100.00	3,162.35	3,135.35	3,135.35	42.06	11.04	48.43	-6,980.32	-7,860.07	8,553.85	8,516.45	37.40	228.702		
4,200.00	3,219.60	3,192.60	3,192.60	43.55	11.25	48.75	-6,980.32	-7,860.07	8,485.08	8,446.47	38.61	219.743		
4,300.00	3,276.85	3,249.85	3,249.85	45.05	11.45	49.08	-6,980.32	-7,860.07	8,416.55	8,376.71	39.84	211.254		
4,400.00	3,334.10	3,307.10	3,307.10	46.54	11.66	49.41	-6,980.32	-7,860.07	8,348.26	8,307.17	41.08	203.201		
4,500.00	3,391.35	3,364.35	3,364.35	48.03	11.86	49.75	-6,980.32	-7,860.07	8,280.21	8,237.87	42.34	195.554		
4,600.00	3,448.61	3,421.61	3,421.61	49.53	12.07	50.09	-6,980.32	-7,860.07	8,212.43	8,168.81	43.62	188.286		
4,700.00	3,505.86	3,478.86	3,478.86	51.03	12.27	50.43	-6,980.32	-7,860.07	8,144.90	8,099.99	44.91	181.371		
4,800.00	3,563.11	3,536.11	3,536.11	52.52	12.48	50.78	-6,980.32	-7,860.07	8,077.64	8,031.43	46.21	174.788		
4,900.00	3,620.36	3,593.36	3,593.36	54.02	12.68	51.13	-6,980.32	-7,860.07	8,010.66	7,963.12	47.54	168.513		
5,000.00	3,677.61	3,650.61	3,650.61	55.52	12.89	51.48	-6,980.32	-7,860.07	7,943.95	7,895.08	48.88	162.529		
5,100.00	3,734.87	3,707.87	3,707.87	57.02	13.09	51.84	-6,980.32	-7,860.07	7,877.54	7,827.30	50.23	156.817		
5,200.00	3,792.12	3,765.12	3,765.12	58.51	13.30	52.20	-6,980.32	-7,860.07	7,811.42	7,759.81	51.61	151.361		
5,300.00	3,849.37	3,822.37	3,822.37	60.01	13.50	52.56	-6,980.32	-7,860.07	7,745.60	7,692.60	53.00	146.146		
5,400.00	3,906.62	3,879.62	3,879.62	61.51	13.71	52.93	-6,980.32	-7,860.07	7,680.10	7,625.69	54.41	141.157		
5,500.00	3,963.87	3,936.87	3,936.87	63.01	13.92	53.30	-6,980.32	-7,860.07	7,614.92	7,559.08	55.84	136.382		
5,600.00	4,021.13	3,994.13	3,994.13	64.51	14.12	53.67	-6,980.32	-7,860.07	7,550.06	7,492.78	57.28	131.809		
5,700.00	4,078.38	4,051.38	4,051.38	66.01	14.33	54.05	-6,980.32	-7,860.07	7,485.54	7,426.79	58.74	127.427		
5,800.00	4,135.63	4,108.63	4,108.63	67.51	14.53	54.43	-6,980.32	-7,860.07	7,421.36	7,361.14	60.23	123.226		
5,900.00	4,192.88	4,165.88	4,165.88	69.01	14.74	54.82	-6,980.32	-7,860.07	7,357.54	7,295.81	61.73	119.195		
6,000.00	4,250.13	4,223.13	4,223.13	70.51	14.94	55.21	-6,980.32	-7,860.07	7,294.08	7,230.83	63.25	115.327		
6,100.00	4,307.39	4,280.39	4,280.39	72.02	15.15	55.60	-6,980.32	-7,860.07	7,230.99	7,166.21	64.79	111.613		
6,200.00	4,364.64	4,337.64	4,337.64	73.52	15.35	56.00	-6,980.32	-7,860.07	7,168.29	7,101.94	66.35	108.044		
6,300.00	4,421.89	4,394.89	4,394.89	75.02	15.56	56.40	-6,980.32	-7,860.07	7,105.98	7,038.05	67.93	104.615		
6,400.00	4,479.14	4,452.14	4,452.14	76.52	15.76	56.80	-6,980.32	-7,860.07	7,044.07	6,974.55	69.52	101.317		
6,500.00	4,536.39	4,509.39	4,509.39	78.02	15.97	57.21	-6,980.32	-7,860.07	6,982.58	6,911.43	71.14	98.146		
6,600.00	4,593.64	4,566.64	4,566.64	79.52	16.17	57.62	-6,980.32	-7,860.07	6,921.51	6,848.72	72.79	95.095		
6,700.00	4,650.90	4,623.90	4,623.90	81.03	16.38	58.04	-6,980.32	-7,860.07	6,860.88	6,786.43	74.45	92.158		
6,800.00	4,708.15	4,681.15	4,681.15	82.53	16.58	58.46	-6,980.32	-7,860.07	6,800.69	6,724.56	76.13	89.330		
6,900.00	4,765.40	4,738.40	4,738.40	84.03	16.79	58.88	-6,980.32	-7,860.07	6,740.97	6,663.13	77.83	86.607		
7,000.00	4,822.65	4,795.65	4,795.65	85.53	16.99	59.31	-6,980.32	-7,860.07	6,681.71	6,602.15	79.56	83.984		
7,100.00	4,879.90	4,852.90	4,852.90	87.04	17.20	59.74	-6,980.32	-7,860.07	6,622.95	6,541.64	81.31	81.456		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,200.00	4,937.16	4,910.16	4,910.16	88.54	17.40	60.17	-6,980.32	-7,860.07	6,564.68	6,481.60	83.08	79.020		
7,300.00	4,994.41	4,967.41	4,967.41	90.04	17.61	60.61	-6,980.32	-7,860.07	6,506.92	6,422.05	84.87	76.672		
7,400.00	5,051.66	5,024.66	5,024.66	91.54	17.81	61.05	-6,980.32	-7,860.07	6,449.68	6,363.00	86.68	74.408		
7,500.00	5,108.91	5,081.91	5,081.91	93.05	18.02	61.50	-6,980.32	-7,860.07	6,392.99	6,304.47	88.52	72.224		
7,600.00	5,166.16	5,139.16	5,139.16	94.55	18.23	61.95	-6,980.32	-7,860.07	6,336.85	6,246.47	90.37	70.118		
7,700.00	5,223.42	5,196.42	5,196.42	96.05	18.43	62.40	-6,980.32	-7,860.07	6,281.27	6,189.02	92.25	68.087		
7,800.00	5,280.67	5,253.67	5,253.67	97.56	18.64	62.86	-6,980.32	-7,860.07	6,226.29	6,132.13	94.16	66.127		
7,900.00	5,337.92	5,310.92	5,310.92	99.06	18.84	63.32	-6,980.32	-7,860.07	6,171.90	6,075.82	96.08	64.236		
8,000.00	5,395.17	5,368.17	5,368.17	100.56	19.05	63.79	-6,980.32	-7,860.07	6,118.12	6,020.09	98.03	62.412		
8,100.00	5,452.42	5,425.42	5,425.42	102.07	19.25	64.25	-6,980.32	-7,860.07	6,064.98	5,964.98	100.00	60.652		
8,200.00	5,509.68	5,482.68	5,482.68	103.57	19.46	64.73	-6,980.32	-7,860.07	6,012.48	5,910.50	101.99	58.953		
8,300.00	5,566.93	5,539.93	5,539.93	105.08	19.66	65.20	-6,980.32	-7,860.07	5,960.66	5,856.65	104.00	57.313		
8,400.00	5,624.18	5,597.18	5,597.18	106.58	19.87	65.68	-6,980.32	-7,860.07	5,909.51	5,803.47	106.04	55.731		
8,500.00	5,681.43	5,654.43	5,654.43	108.08	20.07	66.16	-6,980.32	-7,860.07	5,859.07	5,750.97	108.09	54.204		
8,600.00	5,738.68	5,711.68	5,711.68	109.59	20.28	66.65	-6,980.32	-7,860.07	5,809.34	5,699.17	110.17	52.731		
8,700.00	5,795.93	5,768.93	5,768.93	111.09	20.48	67.14	-6,980.32	-7,860.07	5,760.35	5,648.08	112.27	51.309		
8,800.00	5,853.19	5,826.19	5,826.19	112.60	20.69	67.64	-6,980.32	-7,860.07	5,712.12	5,597.73	114.39	49.937		
8,900.00	5,910.44	5,883.44	5,883.44	114.10	20.89	68.13	-6,980.32	-7,860.07	5,664.66	5,548.14	116.52	48.614		
9,000.00	5,967.69	5,940.69	5,940.69	115.60	21.10	68.64	-6,980.32	-7,860.07	5,618.01	5,499.32	118.68	47.337		
9,100.00	6,024.94	5,997.94	5,997.94	117.11	21.30	69.14	-6,980.32	-7,860.07	5,572.16	5,451.31	120.86	46.106		
9,200.00	6,082.19	6,055.19	6,055.19	118.61	21.51	69.65	-6,980.32	-7,860.07	5,527.15	5,404.10	123.05	44.918		
9,300.00	6,139.45	6,112.45	6,112.45	120.12	21.71	70.16	-6,980.32	-7,860.07	5,483.00	5,357.74	125.26	43.773		
9,400.00	6,196.70	6,169.70	6,169.70	121.62	21.92	70.67	-6,980.32	-7,860.07	5,439.73	5,312.24	127.49	42.669		
9,500.00	6,253.95	6,226.95	6,226.95	123.13	22.12	71.19	-6,980.32	-7,860.07	5,397.35	5,267.63	129.73	41.605		
9,600.00	6,311.20	6,284.20	6,284.20	124.63	22.33	71.71	-6,980.32	-7,860.07	5,355.90	5,223.91	131.99	40.579		
9,700.00	6,368.45	6,341.45	6,341.45	126.13	22.54	72.24	-6,980.32	-7,860.07	5,315.39	5,181.13	134.25	39.592		
9,800.00	6,425.71	6,398.71	6,398.71	127.64	22.74	72.76	-6,980.32	-7,860.07	5,275.84	5,139.30	136.54	38.641		
9,900.00	6,482.96	6,455.96	6,455.96	129.14	22.95	73.29	-6,980.32	-7,860.07	5,237.27	5,098.44	138.83	37.725		
10,000.00	6,540.21	6,513.21	6,513.21	130.65	23.15	73.83	-6,980.32	-7,860.07	5,199.71	5,058.58	141.13	36.843		
10,100.00	6,597.46	6,570.46	6,570.46	132.15	23.36	74.36	-6,980.32	-7,860.07	5,163.18	5,019.74	143.44	35.995		
10,200.00	6,654.71	6,627.71	6,627.71	133.66	23.56	74.90	-6,980.32	-7,860.07	5,127.70	4,981.95	145.76	35.180		
10,300.00	6,711.97	6,684.97	6,684.97	135.16	23.77	75.45	-6,980.32	-7,860.07	5,093.30	4,945.22	148.08	34.396		
10,400.00	6,769.19	6,742.19	6,742.19	136.67	23.97	75.20	-6,980.32	-7,860.07	5,059.87	4,909.47	150.40	33.643		
10,500.00	6,824.05	6,797.05	6,797.05	138.22	24.17	69.42	-6,980.32	-7,860.07	5,017.74	4,865.08	152.66	32.868		
10,600.00	6,873.81	6,846.81	6,846.81	139.81	24.35	64.67	-6,980.32	-7,860.07	4,961.42	4,806.65	154.77	32.057		
10,700.00	6,916.95	6,889.95	6,889.95	141.38	24.50	61.05	-6,980.32	-7,860.07	4,892.34	4,735.69	156.65	31.231		
10,800.00	6,952.17	6,925.17	6,925.17	142.87	24.63	58.67	-6,980.32	-7,860.07	4,812.31	4,654.07	158.24	30.411		
10,900.00	6,978.39	6,951.39	6,951.39	144.24	24.72	57.74	-6,980.32	-7,860.07	4,723.45	4,563.97	159.48	29.617		
11,000.00	6,994.82	6,967.82	6,967.82	145.43	24.78	59.39	-6,980.32	-7,860.07	4,628.20	4,467.87	160.33	28.867		
11,100.00	7,000.96	6,973.96	6,973.96	146.41	24.80	80.13	-6,980.32	-7,860.07	4,529.23	4,368.51	160.73	28.179		
11,200.00	7,001.00	6,974.00	6,974.00	147.26	24.80	90.00	-6,980.32	-7,860.07	4,429.32	4,268.46	160.86	27.535		
11,300.00	7,001.00	6,974.00	6,974.00	148.14	24.80	90.00	-6,980.32	-7,860.07	4,329.40	4,168.40	161.00	26.891		
11,400.00	7,001.00	6,974.00	6,974.00	149.06	24.80	90.00	-6,980.32	-7,860.07	4,229.49	4,068.35	161.14	26.247		
11,500.00	7,001.00	6,974.00	6,974.00	150.00	24.80	90.00	-6,980.32	-7,860.07	4,129.59	3,968.29	161.29	25.603		
11,600.00	7,001.00	6,974.00	6,974.00	150.97	24.80	90.00	-6,980.32	-7,860.07	4,029.69	3,868.23	161.45	24.959		
11,700.00	7,001.00	6,974.00	6,974.00	151.97	24.80	90.00	-6,980.32	-7,860.07	3,929.79	3,768.17	161.62	24.316		
11,800.00	7,001.00	6,974.00	6,974.00	153.00	24.80	90.00	-6,980.32	-7,860.07	3,829.90	3,668.11	161.79	23.672		
11,900.00	7,001.00	6,974.00	6,974.00	154.06	24.80	90.00	-6,980.32	-7,860.07	3,730.01	3,568.04	161.97	23.029		
12,000.00	7,001.00	6,974.00	6,974.00	155.15	24.80	90.00	-6,980.32	-7,860.07	3,630.13	3,467.97	162.16	22.386		
12,100.00	7,001.00	6,974.00	6,974.00	156.27	24.80	90.00	-6,980.32	-7,860.07	3,530.26	3,367.89	162.37	21.742		
12,200.00	7,001.00	6,974.00	6,974.00	157.43	24.80	90.00	-6,980.32	-7,860.07	3,430.40	3,267.82	162.58	21.100		
12,300.00	7,001.00	6,974.00	6,974.00	158.61	24.80	90.00	-6,980.32	-7,860.07	3,330.54	3,167.73	162.81	20.457		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,400.00	7,001.00	6,974.00	6,974.00	159.82	24.80	90.00	-6,980.32	-7,860.07	3,230.69	3,067.65	163.05	19.814		
12,500.00	7,001.00	6,974.00	6,974.00	161.07	24.80	90.00	-6,980.32	-7,860.07	3,130.85	2,967.55	163.30	19.172		
12,600.00	7,001.00	6,974.00	6,974.00	162.34	24.80	90.00	-6,980.32	-7,860.07	3,031.03	2,867.45	163.57	18.530		
12,700.00	7,001.00	6,974.00	6,974.00	163.64	24.80	90.00	-6,980.32	-7,860.07	2,931.21	2,767.35	163.86	17.888		
12,800.00	7,001.00	6,974.00	6,974.00	164.98	24.80	90.00	-6,980.32	-7,860.07	2,831.41	2,667.24	164.17	17.247		
12,900.00	7,001.00	6,974.00	6,974.00	166.34	24.80	90.00	-6,980.32	-7,860.07	2,731.62	2,567.12	164.50	16.606		
13,000.00	7,001.00	6,974.00	6,974.00	167.74	24.80	90.00	-6,980.32	-7,860.07	2,631.85	2,467.00	164.85	15.965		
13,100.00	7,001.00	6,974.00	6,974.00	169.16	24.80	90.00	-6,980.32	-7,860.07	2,532.10	2,366.86	165.23	15.324		
13,200.00	7,001.00	6,974.00	6,974.00	170.61	24.80	90.00	-6,980.32	-7,860.07	2,432.36	2,266.72	165.65	14.684		
13,300.00	7,001.00	6,974.00	6,974.00	172.10	24.80	90.00	-6,980.32	-7,860.07	2,332.65	2,166.56	166.09	14.045		
13,400.00	7,001.00	6,974.00	6,974.00	173.61	24.80	90.00	-6,980.32	-7,860.07	2,232.97	2,066.39	166.57	13.405		
13,500.00	7,001.00	6,974.00	6,974.00	175.15	24.80	90.00	-6,980.32	-7,860.07	2,133.31	1,966.21	167.10	12.767		
13,600.00	7,001.00	6,974.00	6,974.00	176.72	24.80	90.00	-6,980.32	-7,860.07	2,033.69	1,866.01	167.67	12.129		
13,700.00	7,001.00	6,974.00	6,974.00	178.31	24.80	90.00	-6,980.32	-7,860.07	1,934.11	1,765.80	168.31	11.491		
13,800.00	7,001.00	6,974.00	6,974.00	179.94	24.80	90.00	-6,980.32	-7,860.07	1,834.57	1,665.56	169.01	10.855		
13,900.00	7,001.00	6,974.00	6,974.00	181.59	24.80	90.00	-6,980.32	-7,860.07	1,735.08	1,565.30	169.78	10.219		
14,000.00	7,001.00	6,974.00	6,974.00	183.26	24.80	90.00	-6,980.32	-7,860.07	1,635.66	1,465.02	170.65	9.585		
14,100.00	7,001.00	6,974.00	6,974.00	184.97	24.80	90.00	-6,980.32	-7,860.07	1,536.32	1,364.70	171.62	8.952		
14,200.00	7,001.00	6,974.00	6,974.00	186.70	24.80	90.00	-6,980.32	-7,860.07	1,437.06	1,264.34	172.72	8.320		
14,300.00	7,001.00	6,974.00	6,974.00	188.45	24.80	90.00	-6,980.32	-7,860.07	1,337.92	1,163.94	173.98	7.690		
14,400.00	7,001.00	6,974.00	6,974.00	190.23	24.80	90.00	-6,980.32	-7,860.07	1,238.91	1,063.49	175.42	7.062		
14,500.00	7,001.00	6,974.00	6,974.00	192.03	24.80	90.00	-6,980.32	-7,860.07	1,140.08	962.97	177.11	6.437		
14,600.00	7,001.00	6,974.00	6,974.00	193.86	24.80	90.00	-6,980.32	-7,860.07	1,041.47	862.38	179.09	5.815		
14,700.00	7,001.00	6,974.00	6,974.00	195.71	24.80	90.00	-6,980.32	-7,860.07	943.15	761.70	181.45	5.198		
14,800.00	7,001.00	6,974.00	6,974.00	197.58	24.80	90.00	-6,980.32	-7,860.07	845.22	660.92	184.31	4.586		
14,900.00	7,001.00	6,974.00	6,974.00	199.47	24.80	90.00	-6,980.32	-7,860.07	747.85	560.02	187.83	3.981		
15,000.00	7,001.00	6,974.00	6,974.00	201.39	24.80	90.00	-6,980.32	-7,860.07	651.27	459.00	192.27	3.387		
15,100.00	7,001.00	6,974.00	6,974.00	203.32	24.80	90.00	-6,980.32	-7,860.07	555.91	357.94	197.97	2.808		
15,200.00	7,001.00	6,974.00	6,974.00	205.28	24.80	90.00	-6,980.32	-7,860.07	462.50	257.07	205.43	2.251		
15,300.00	7,001.00	6,974.00	6,974.00	207.25	24.80	90.00	-6,980.32	-7,860.07	372.54	157.30	215.24	1.731		
15,400.00	7,001.00	6,974.00	6,974.00	209.25	24.80	90.00	-6,980.32	-7,860.07	289.24	62.00	227.25	1.273	Level 3	
15,500.00	7,001.00	6,974.00	6,974.00	211.26	24.80	90.00	-6,980.32	-7,860.07	220.31	-15.75	236.06	0.933	Level 1	
15,600.00	7,001.00	6,974.00	6,974.00	213.30	24.80	90.00	-6,980.32	-7,860.07	182.80	-35.09	217.89	0.839	Level 1, ES, SF	
15,625.62	7,001.00	6,974.00	6,974.00	213.82	24.80	90.00	-6,980.32	-7,860.07	180.99	-24.11	205.11	0.882	Level 1, CC	
15,700.00	7,001.00	6,974.00	6,974.00	215.35	24.80	90.00	-6,980.32	-7,860.07	195.68	38.85	156.83	1.248	Level 2	
15,800.00	7,001.00	6,974.00	6,974.00	217.42	24.80	90.00	-6,980.32	-7,860.07	251.33	143.85	107.48	2.338		
15,900.00	7,001.00	6,974.00	6,974.00	219.50	24.80	90.00	-6,980.32	-7,860.07	328.70	233.28	95.42	3.445		
16,000.00	7,001.00	6,974.00	6,974.00	221.60	24.80	90.00	-6,980.32	-7,860.07	415.84	315.41	100.43	4.141		
16,100.00	7,001.00	6,974.00	6,974.00	223.72	24.80	90.00	-6,980.32	-7,860.07	507.74	399.79	107.95	4.703		
16,200.00	7,001.00	6,974.00	6,974.00	225.85	24.80	90.00	-6,980.32	-7,860.07	602.22	487.71	114.52	5.259		
16,300.00	7,001.00	6,974.00	6,974.00	228.00	24.80	90.00	-6,980.32	-7,860.07	698.25	578.45	119.80	5.829		
16,400.00	7,001.00	6,974.00	6,974.00	230.16	24.80	90.00	-6,980.32	-7,860.07	795.25	671.24	124.01	6.413		
16,500.00	7,001.00	6,974.00	6,974.00	232.34	24.80	90.00	-6,980.32	-7,860.07	892.92	765.51	127.40	7.009		
16,600.00	7,001.00	6,974.00	6,974.00	234.53	24.80	90.00	-6,980.32	-7,860.07	991.05	860.87	130.18	7.613		
16,700.00	7,001.00	6,974.00	6,974.00	236.73	24.80	90.00	-6,980.32	-7,860.07	1,089.52	957.03	132.49	8.224		
16,800.00	7,001.00	6,974.00	6,974.00	238.95	24.80	90.00	-6,980.32	-7,860.07	1,188.25	1,053.82	134.43	8.839		
16,900.00	7,001.00	6,974.00	6,974.00	241.18	24.80	90.00	-6,980.32	-7,860.07	1,287.17	1,151.08	136.09	9.458		
17,000.00	7,001.00	6,974.00	6,974.00	243.42	24.80	90.00	-6,980.32	-7,860.07	1,386.25	1,248.73	137.51	10.081		
17,100.00	7,001.00	6,974.00	6,974.00	245.67	24.80	90.00	-6,980.32	-7,860.07	1,485.45	1,346.69	138.76	10.705		
17,200.00	7,001.00	6,974.00	6,974.00	247.93	24.80	90.00	-6,980.32	-7,860.07	1,584.75	1,444.90	139.85	11.332		
17,300.00	7,001.00	6,974.00	6,974.00	250.21	24.80	90.00	-6,980.32	-7,860.07	1,684.14	1,543.32	140.82	11.960		
17,400.00	7,001.00	6,974.00	6,974.00	252.50	24.80	90.00	-6,980.32	-7,860.07	1,783.59	1,641.91	141.68	12.589		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,500.00	7,001.00	6,974.00	6,974.00	254.79	24.80	90.00	-6,980.32	-7,860.07	1,883.10	1,740.65	142.45	13.219		
17,600.00	7,001.00	6,974.00	6,974.00	257.10	24.80	90.00	-6,980.32	-7,860.07	1,982.66	1,839.51	143.15	13.850		
17,700.00	7,001.00	6,974.00	6,974.00	259.42	24.80	90.00	-6,980.32	-7,860.07	2,082.26	1,938.47	143.79	14.481		
17,800.00	7,001.00	6,974.00	6,974.00	261.74	24.80	90.00	-6,980.32	-7,860.07	2,181.90	2,037.53	144.37	15.114		
17,900.00	7,001.00	6,974.00	6,974.00	264.08	24.80	90.00	-6,980.32	-7,860.07	2,281.57	2,136.67	144.90	15.746		
18,000.00	7,001.00	6,974.00	6,974.00	266.42	24.80	90.00	-6,980.32	-7,860.07	2,381.27	2,235.88	145.38	16.379		
18,100.00	7,001.00	6,974.00	6,974.00	268.78	24.80	90.00	-6,980.32	-7,860.07	2,480.99	2,335.16	145.84	17.012		
18,200.00	7,001.00	6,974.00	6,974.00	271.14	24.80	90.00	-6,980.32	-7,860.07	2,580.74	2,434.48	146.25	17.646		
18,300.00	7,001.00	6,974.00	6,974.00	273.51	24.80	90.00	-6,980.32	-7,860.07	2,680.50	2,533.86	146.64	18.279		
18,400.00	7,001.00	6,974.00	6,974.00	275.89	24.80	90.00	-6,980.32	-7,860.07	2,780.28	2,633.28	147.00	18.913		
18,500.00	7,001.00	6,974.00	6,974.00	278.27	24.80	90.00	-6,980.32	-7,860.07	2,880.07	2,732.73	147.34	19.547		
18,600.00	7,001.00	6,974.00	6,974.00	280.67	24.80	90.00	-6,980.32	-7,860.07	2,979.88	2,832.23	147.66	20.181		
18,700.00	7,001.00	6,974.00	6,974.00	283.07	24.80	90.00	-6,980.32	-7,860.07	3,079.70	2,931.75	147.95	20.815		
18,800.00	7,001.00	6,974.00	6,974.00	285.48	24.80	90.00	-6,980.32	-7,860.07	3,179.54	3,031.30	148.24	21.449		
18,900.00	7,001.00	6,974.00	6,974.00	287.89	24.80	90.00	-6,980.32	-7,860.07	3,279.38	3,130.88	148.50	22.083		
19,000.00	7,001.00	6,974.00	6,974.00	290.31	24.80	90.00	-6,980.32	-7,860.07	3,379.23	3,230.48	148.75	22.717		
19,100.00	7,001.00	6,974.00	6,974.00	292.74	24.80	90.00	-6,980.32	-7,860.07	3,479.09	3,330.10	148.99	23.351		
19,200.00	7,001.00	6,974.00	6,974.00	295.17	24.80	90.00	-6,980.32	-7,860.07	3,578.96	3,429.75	149.21	23.985		
19,300.00	7,001.00	6,974.00	6,974.00	297.61	24.80	90.00	-6,980.32	-7,860.07	3,678.84	3,529.41	149.43	24.619		
19,400.00	7,001.00	6,974.00	6,974.00	300.06	24.80	90.00	-6,980.32	-7,860.07	3,778.72	3,629.08	149.63	25.253		
19,500.00	7,001.00	6,974.00	6,974.00	302.51	24.80	90.00	-6,980.32	-7,860.07	3,878.61	3,728.78	149.83	25.887		
19,600.00	7,001.00	6,974.00	6,974.00	304.97	24.80	90.00	-6,980.32	-7,860.07	3,978.50	3,828.48	150.02	26.520		
19,700.00	7,001.00	6,974.00	6,974.00	307.43	24.80	90.00	-6,980.32	-7,860.07	4,078.40	3,928.20	150.20	27.154		
19,800.00	7,001.00	6,974.00	6,974.00	309.90	24.80	90.00	-6,980.32	-7,860.07	4,178.30	4,027.94	150.37	27.787		
19,900.00	7,001.00	6,974.00	6,974.00	312.38	24.80	90.00	-6,980.32	-7,860.07	4,278.21	4,127.68	150.53	28.421		
20,000.00	7,001.00	6,974.00	6,974.00	314.85	24.80	90.00	-6,980.32	-7,860.07	4,378.12	4,227.43	150.69	29.054		
20,100.00	7,001.00	6,974.00	6,974.00	317.34	24.80	90.00	-6,980.32	-7,860.07	4,478.04	4,327.20	150.84	29.687		
20,200.00	7,001.00	6,974.00	6,974.00	319.83	24.80	90.00	-6,980.32	-7,860.07	4,577.96	4,426.97	150.99	30.320		
20,300.00	7,001.00	6,974.00	6,974.00	322.32	24.80	90.00	-6,980.32	-7,860.07	4,677.88	4,526.75	151.13	30.952		
20,400.00	7,001.00	6,974.00	6,974.00	324.82	24.80	90.00	-6,980.32	-7,860.07	4,777.81	4,626.54	151.27	31.585		
20,500.00	7,001.00	6,974.00	6,974.00	327.32	24.80	90.00	-6,980.32	-7,860.07	4,877.74	4,726.34	151.40	32.217		
20,600.00	7,001.00	6,974.00	6,974.00	329.83	24.80	90.00	-6,980.32	-7,860.07	4,977.67	4,826.14	151.53	32.849		
20,700.00	7,001.00	6,974.00	6,974.00	332.34	24.80	90.00	-6,980.32	-7,860.07	5,077.61	4,925.95	151.66	33.481		
20,800.00	7,001.00	6,974.00	6,974.00	334.85	24.80	90.00	-6,980.32	-7,860.07	5,177.55	5,025.77	151.78	34.113		
20,900.00	7,001.00	6,974.00	6,974.00	337.37	24.80	90.00	-6,980.32	-7,860.07	5,277.49	5,125.59	151.89	34.745		
21,000.00	7,001.00	6,974.00	6,974.00	339.89	24.80	90.00	-6,980.32	-7,860.07	5,377.43	5,225.42	152.01	35.376		
21,100.00	7,001.00	6,974.00	6,974.00	342.42	24.80	90.00	-6,980.32	-7,860.07	5,477.37	5,325.25	152.12	36.007		
21,200.00	7,001.00	6,974.00	6,974.00	344.95	24.80	90.00	-6,980.32	-7,860.07	5,577.32	5,425.09	152.23	36.638		
21,300.00	7,001.00	6,974.00	6,974.00	347.48	24.80	90.00	-6,980.32	-7,860.07	5,677.27	5,524.94	152.33	37.269		
21,400.00	7,001.00	6,974.00	6,974.00	350.02	24.80	90.00	-6,980.32	-7,860.07	5,777.22	5,624.78	152.43	37.900		
21,500.00	7,001.00	6,974.00	6,974.00	352.56	24.80	90.00	-6,980.32	-7,860.07	5,877.17	5,724.63	152.54	38.530		
21,600.00	7,001.00	6,974.00	6,974.00	355.10	24.80	90.00	-6,980.32	-7,860.07	5,977.12	5,824.49	152.63	39.160		
21,700.00	7,001.00	6,974.00	6,974.00	357.65	24.80	90.00	-6,980.32	-7,860.07	6,077.08	5,924.35	152.73	39.790		
21,800.00	7,001.00	6,974.00	6,974.00	360.20	24.80	90.00	-6,980.32	-7,860.07	6,177.03	6,024.21	152.82	40.420		
21,818.56	7,001.00	6,974.00	6,974.00	360.67	24.80	90.00	-6,980.32	-7,860.07	6,195.58	6,042.74	152.84	40.537		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,000.00	4,822.65	4,832.65	4,832.65	85.53	17.12	71.70	-5,649.06	-11,735.52	10,080.95	9,988.48	92.48	109.011		
7,100.00	4,879.90	4,889.90	4,889.90	87.04	17.33	71.98	-5,649.06	-11,735.52	10,040.20	9,945.93	94.27	106.506		
7,200.00	4,937.16	4,947.16	4,947.16	88.54	17.53	72.26	-5,649.06	-11,735.52	9,999.95	9,903.88	96.07	104.089		
7,300.00	4,994.41	5,004.41	5,004.41	90.04	17.74	72.54	-5,649.06	-11,735.52	9,960.22	9,862.34	97.88	101.758		
7,400.00	5,051.66	5,061.66	5,061.66	91.54	17.94	72.82	-5,649.06	-11,735.52	9,921.00	9,821.30	99.70	99.508		
7,500.00	5,108.91	5,118.91	5,118.91	93.05	18.15	73.10	-5,649.06	-11,735.52	9,882.31	9,780.79	101.53	97.337		
7,600.00	5,166.16	5,176.16	5,176.16	94.55	18.35	73.39	-5,649.06	-11,735.52	9,844.15	9,740.79	103.36	95.240		
7,700.00	5,223.42	5,233.42	5,233.42	96.05	18.56	73.67	-5,649.06	-11,735.52	9,806.53	9,701.33	105.20	93.214		
7,800.00	5,280.67	5,290.67	5,290.67	97.56	18.76	73.95	-5,649.06	-11,735.52	9,769.45	9,662.40	107.06	91.256		
7,900.00	5,337.92	5,347.92	5,347.92	99.06	18.97	74.24	-5,649.06	-11,735.52	9,732.92	9,624.01	108.91	89.364		
8,000.00	5,395.17	5,405.17	5,405.17	100.56	19.18	74.52	-5,649.06	-11,735.52	9,696.95	9,586.17	110.78	87.535		
8,100.00	5,452.42	5,462.42	5,462.42	102.07	19.38	74.81	-5,649.06	-11,735.52	9,661.53	9,548.88	112.65	85.766		
8,200.00	5,509.68	5,519.68	5,519.68	103.57	19.59	75.10	-5,649.06	-11,735.52	9,626.69	9,512.16	114.53	84.056		
8,300.00	5,566.93	5,576.93	5,576.93	105.08	19.79	75.39	-5,649.06	-11,735.52	9,592.42	9,476.00	116.41	82.400		
8,400.00	5,624.18	5,634.18	5,634.18	106.58	20.00	75.68	-5,649.06	-11,735.52	9,558.73	9,440.42	118.30	80.799		
8,500.00	5,681.43	5,691.43	5,691.43	108.08	20.20	75.96	-5,649.06	-11,735.52	9,525.62	9,405.42	120.20	79.249		
8,600.00	5,738.68	5,748.68	5,748.68	109.59	20.41	76.26	-5,649.06	-11,735.52	9,493.11	9,371.01	122.10	77.748		
8,700.00	5,795.93	5,805.93	5,805.93	111.09	20.61	76.55	-5,649.06	-11,735.52	9,461.20	9,337.19	124.01	76.295		
8,800.00	5,853.19	5,863.19	5,863.19	112.60	20.82	76.84	-5,649.06	-11,735.52	9,429.89	9,303.97	125.92	74.888		
8,900.00	5,910.44	5,920.44	5,920.44	114.10	21.02	77.13	-5,649.06	-11,735.52	9,399.20	9,271.36	127.84	73.525		
9,000.00	5,967.69	5,977.69	5,977.69	115.60	21.23	77.42	-5,649.06	-11,735.52	9,369.12	9,239.36	129.76	72.205		
9,100.00	6,024.94	6,034.94	6,034.94	117.11	21.43	77.72	-5,649.06	-11,735.52	9,339.66	9,207.98	131.68	70.926		
9,200.00	6,082.19	6,092.19	6,092.19	118.61	21.64	78.01	-5,649.06	-11,735.52	9,310.83	9,177.22	133.61	69.687		
9,300.00	6,139.45	6,149.45	6,149.45	120.12	21.84	78.31	-5,649.06	-11,735.52	9,282.64	9,147.10	135.54	68.486		
9,400.00	6,196.70	6,206.70	6,206.70	121.62	22.05	78.60	-5,649.06	-11,735.52	9,255.09	9,117.61	137.47	67.322		
9,500.00	6,253.95	6,263.95	6,263.95	123.13	22.25	78.90	-5,649.06	-11,735.52	9,228.18	9,088.77	139.41	66.194		
9,600.00	6,311.20	6,321.20	6,321.20	124.63	22.46	79.20	-5,649.06	-11,735.52	9,201.93	9,060.58	141.35	65.101		
9,700.00	6,368.45	6,378.45	6,378.45	126.13	22.66	79.49	-5,649.06	-11,735.52	9,176.33	9,033.04	143.29	64.041		
9,800.00	6,425.71	6,435.71	6,435.71	127.64	22.87	79.79	-5,649.06	-11,735.52	9,151.40	9,006.17	145.23	63.014		
9,900.00	6,482.96	6,492.96	6,492.96	129.14	23.07	80.09	-5,649.06	-11,735.52	9,127.13	8,979.96	147.17	62.018		
10,000.00	6,540.21	6,550.21	6,550.21	130.65	23.28	80.39	-5,649.06	-11,735.52	9,103.54	8,954.43	149.11	61.052		
10,100.00	6,597.46	6,607.46	6,607.46	132.15	23.49	80.69	-5,649.06	-11,735.52	9,080.63	8,929.57	151.05	60.115		
10,200.00	6,654.71	6,664.71	6,664.71	133.66	23.69	80.99	-5,649.06	-11,735.52	9,058.40	8,905.40	152.99	59.207		
10,300.00	6,711.97	6,721.97	6,721.97	135.16	23.90	81.29	-5,649.06	-11,735.52	9,036.86	8,881.92	154.93	58.327		
10,400.00	6,769.19	6,779.19	6,779.19	136.67	24.10	80.83	-5,649.06	-11,735.52	9,015.90	8,859.02	156.87	57.472		
10,500.00	6,824.05	6,834.05	6,834.05	138.22	24.30	75.14	-5,649.06	-11,735.52	8,985.43	8,826.63	158.80	56.583		
10,600.00	6,873.81	6,883.81	6,883.81	139.81	24.48	70.66	-5,649.06	-11,735.52	8,939.58	8,778.92	160.66	55.643		
10,700.00	6,916.95	6,926.95	6,926.95	141.38	24.63	67.58	-5,649.06	-11,735.52	8,879.63	8,717.25	162.38	54.683		
10,800.00	6,952.17	6,962.17	6,962.17	142.87	24.76	66.15	-5,649.06	-11,735.52	8,807.23	8,643.32	163.91	53.732		
10,900.00	6,978.39	6,988.39	6,988.39	144.24	24.85	66.89	-5,649.06	-11,735.52	8,724.40	8,559.22	165.18	52.816		
11,000.00	6,994.82	7,004.82	7,004.82	145.43	24.91	71.48	-5,649.06	-11,735.52	8,633.49	8,467.33	166.15	51.960		
11,100.00	7,000.96	7,010.96	7,010.96	146.41	24.93	87.30	-5,649.06	-11,735.52	8,537.09	8,370.30	166.79	51.186		
11,200.00	7,001.00	7,011.00	7,011.00	147.26	24.93	90.00	-5,649.06	-11,735.52	8,438.69	8,271.47	167.21	50.467		
11,300.00	7,001.00	7,011.00	7,011.00	148.14	24.93	90.00	-5,649.06	-11,735.52	8,340.31	8,172.66	167.65	49.749		
11,400.00	7,001.00	7,011.00	7,011.00	149.06	24.93	90.00	-5,649.06	-11,735.52	8,241.98	8,073.88	168.09	49.032		
11,500.00	7,001.00	7,011.00	7,011.00	150.00	24.93	90.00	-5,649.06	-11,735.52	8,143.68	7,975.13	168.55	48.316		
11,600.00	7,001.00	7,011.00	7,011.00	150.97	24.93	90.00	-5,649.06	-11,735.52	8,045.43	7,876.41	169.02	47.601		
11,700.00	7,001.00	7,011.00	7,011.00	151.97	24.93	90.00	-5,649.06	-11,735.52	7,947.22	7,777.72	169.50	46.887		
11,800.00	7,001.00	7,011.00	7,011.00	153.00	24.93	90.00	-5,649.06	-11,735.52	7,849.05	7,679.06	169.99	46.174		
11,900.00	7,001.00	7,011.00	7,011.00	154.06	24.93	90.00	-5,649.06	-11,735.52	7,750.93	7,580.44	170.49	45.462		
12,000.00	7,001.00	7,011.00	7,011.00	155.15	24.93	90.00	-5,649.06	-11,735.52	7,652.86	7,481.85	171.01	44.750		
12,100.00	7,001.00	7,011.00	7,011.00	156.27	24.93	90.00	-5,649.06	-11,735.52	7,554.84	7,383.30	171.54	44.040		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,200.00	7,001.00	7,011.00	7,011.00	157.43	24.93	90.00	-5,649.06	-11,735.52	7,456.88	7,284.79	172.09	43.331		
12,300.00	7,001.00	7,011.00	7,011.00	158.61	24.93	90.00	-5,649.06	-11,735.52	7,358.97	7,186.31	172.65	42.623		
12,400.00	7,001.00	7,011.00	7,011.00	159.82	24.93	90.00	-5,649.06	-11,735.52	7,261.11	7,087.88	173.23	41.916		
12,500.00	7,001.00	7,011.00	7,011.00	161.07	24.93	90.00	-5,649.06	-11,735.52	7,163.32	6,989.49	173.82	41.211		
12,600.00	7,001.00	7,011.00	7,011.00	162.34	24.93	90.00	-5,649.06	-11,735.52	7,065.58	6,891.15	174.43	40.507		
12,700.00	7,001.00	7,011.00	7,011.00	163.64	24.93	90.00	-5,649.06	-11,735.52	6,967.91	6,792.85	175.06	39.804		
12,800.00	7,001.00	7,011.00	7,011.00	164.98	24.93	90.00	-5,649.06	-11,735.52	6,870.31	6,694.61	175.70	39.102		
12,900.00	7,001.00	7,011.00	7,011.00	166.34	24.93	90.00	-5,649.06	-11,735.52	6,772.78	6,596.41	176.37	38.402		
13,000.00	7,001.00	7,011.00	7,011.00	167.74	24.93	90.00	-5,649.06	-11,735.52	6,675.32	6,498.27	177.05	37.703		
13,100.00	7,001.00	7,011.00	7,011.00	169.16	24.93	90.00	-5,649.06	-11,735.52	6,577.93	6,400.18	177.75	37.006		
13,200.00	7,001.00	7,011.00	7,011.00	170.61	24.93	90.00	-5,649.06	-11,735.52	6,480.63	6,302.15	178.48	36.311		
13,300.00	7,001.00	7,011.00	7,011.00	172.10	24.93	90.00	-5,649.06	-11,735.52	6,383.41	6,204.19	179.22	35.617		
13,400.00	7,001.00	7,011.00	7,011.00	173.61	24.93	90.00	-5,649.06	-11,735.52	6,286.28	6,106.29	179.99	34.925		
13,500.00	7,001.00	7,011.00	7,011.00	175.15	24.93	90.00	-5,649.06	-11,735.52	6,189.24	6,008.45	180.79	34.235		
13,600.00	7,001.00	7,011.00	7,011.00	176.72	24.93	90.00	-5,649.06	-11,735.52	6,092.29	5,910.68	181.61	33.547		
13,700.00	7,001.00	7,011.00	7,011.00	178.31	24.93	90.00	-5,649.06	-11,735.52	5,995.45	5,812.99	182.45	32.860		
13,800.00	7,001.00	7,011.00	7,011.00	179.94	24.93	90.00	-5,649.06	-11,735.52	5,898.71	5,715.38	183.33	32.176		
13,900.00	7,001.00	7,011.00	7,011.00	181.59	24.93	90.00	-5,649.06	-11,735.52	5,802.08	5,617.85	184.23	31.494		
14,000.00	7,001.00	7,011.00	7,011.00	183.26	24.93	90.00	-5,649.06	-11,735.52	5,705.56	5,520.40	185.16	30.814		
14,100.00	7,001.00	7,011.00	7,011.00	184.97	24.93	90.00	-5,649.06	-11,735.52	5,609.17	5,423.05	186.12	30.137		
14,200.00	7,001.00	7,011.00	7,011.00	186.70	24.93	90.00	-5,649.06	-11,735.52	5,512.91	5,325.79	187.12	29.462		
14,300.00	7,001.00	7,011.00	7,011.00	188.45	24.93	90.00	-5,649.06	-11,735.52	5,416.78	5,228.63	188.15	28.789		
14,400.00	7,001.00	7,011.00	7,011.00	190.23	24.93	90.00	-5,649.06	-11,735.52	5,320.80	5,131.57	189.22	28.119		
14,500.00	7,001.00	7,011.00	7,011.00	192.03	24.93	90.00	-5,649.06	-11,735.52	5,224.96	5,034.63	190.33	27.452		
14,600.00	7,001.00	7,011.00	7,011.00	193.86	24.93	90.00	-5,649.06	-11,735.52	5,129.29	4,937.81	191.48	26.788		
14,700.00	7,001.00	7,011.00	7,011.00	195.71	24.93	90.00	-5,649.06	-11,735.52	5,033.78	4,841.11	192.67	26.127		
14,800.00	7,001.00	7,011.00	7,011.00	197.58	24.93	90.00	-5,649.06	-11,735.52	4,938.45	4,744.55	193.90	25.469		
14,900.00	7,001.00	7,011.00	7,011.00	199.47	24.93	90.00	-5,649.06	-11,735.52	4,843.31	4,648.13	195.18	24.814		
15,000.00	7,001.00	7,011.00	7,011.00	201.39	24.93	90.00	-5,649.06	-11,735.52	4,748.37	4,551.86	196.51	24.163		
15,100.00	7,001.00	7,011.00	7,011.00	203.32	24.93	90.00	-5,649.06	-11,735.52	4,653.64	4,455.75	197.89	23.516		
15,200.00	7,001.00	7,011.00	7,011.00	205.28	24.93	90.00	-5,649.06	-11,735.52	4,559.14	4,359.81	199.33	22.872		
15,300.00	7,001.00	7,011.00	7,011.00	207.25	24.93	90.00	-5,649.06	-11,735.52	4,464.87	4,264.05	200.82	22.233		
15,400.00	7,001.00	7,011.00	7,011.00	209.25	24.93	90.00	-5,649.06	-11,735.52	4,370.86	4,168.49	202.38	21.598		
15,500.00	7,001.00	7,011.00	7,011.00	211.26	24.93	90.00	-5,649.06	-11,735.52	4,277.12	4,073.13	203.99	20.967		
15,600.00	7,001.00	7,011.00	7,011.00	213.30	24.93	90.00	-5,649.06	-11,735.52	4,183.68	3,978.00	205.68	20.341		
15,700.00	7,001.00	7,011.00	7,011.00	215.35	24.93	90.00	-5,649.06	-11,735.52	4,090.54	3,883.10	207.43	19.720		
15,800.00	7,001.00	7,011.00	7,011.00	217.42	24.93	90.00	-5,649.06	-11,735.52	3,997.73	3,788.47	209.27	19.104		
15,900.00	7,001.00	7,011.00	7,011.00	219.50	24.93	90.00	-5,649.06	-11,735.52	3,905.28	3,694.11	211.17	18.493		
16,000.00	7,001.00	7,011.00	7,011.00	221.60	24.93	90.00	-5,649.06	-11,735.52	3,813.21	3,600.04	213.17	17.888		
16,100.00	7,001.00	7,011.00	7,011.00	223.72	24.93	90.00	-5,649.06	-11,735.52	3,721.55	3,506.30	215.25	17.290		
16,200.00	7,001.00	7,011.00	7,011.00	225.85	24.93	90.00	-5,649.06	-11,735.52	3,630.33	3,412.91	217.42	16.697		
16,300.00	7,001.00	7,011.00	7,011.00	228.00	24.93	90.00	-5,649.06	-11,735.52	3,539.58	3,319.89	219.69	16.112		
16,400.00	7,001.00	7,011.00	7,011.00	230.16	24.93	90.00	-5,649.06	-11,735.52	3,449.35	3,227.29	222.06	15.533		
16,500.00	7,001.00	7,011.00	7,011.00	232.34	24.93	90.00	-5,649.06	-11,735.52	3,359.67	3,135.12	224.54	14.962		
16,600.00	7,001.00	7,011.00	7,011.00	234.53	24.93	90.00	-5,649.06	-11,735.52	3,270.58	3,043.45	227.14	14.399		
16,700.00	7,001.00	7,011.00	7,011.00	236.73	24.93	90.00	-5,649.06	-11,735.52	3,182.15	2,952.30	229.85	13.845		
16,800.00	7,001.00	7,011.00	7,011.00	238.95	24.93	90.00	-5,649.06	-11,735.52	3,094.42	2,861.74	232.68	13.299		
16,900.00	7,001.00	7,011.00	7,011.00	241.18	24.93	90.00	-5,649.06	-11,735.52	3,007.45	2,771.81	235.65	12.762		
17,000.00	7,001.00	7,011.00	7,011.00	243.42	24.93	90.00	-5,649.06	-11,735.52	2,921.33	2,682.58	238.75	12.236		
17,100.00	7,001.00	7,011.00	7,011.00	245.67	24.93	90.00	-5,649.06	-11,735.52	2,836.11	2,594.12	241.99	11.720		
17,200.00	7,001.00	7,011.00	7,011.00	247.93	24.93	90.00	-5,649.06	-11,735.52	2,751.88	2,506.51	245.37	11.215		
17,300.00	7,001.00	7,011.00	7,011.00	250.21	24.93	90.00	-5,649.06	-11,735.52	2,668.75	2,419.85	248.90	10.722		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,400.00	7,001.00	7,011.00	7,011.00	252.50	24.93	90.00	-5,649.06	-11,735.52	2,586.81	2,334.23	252.58	10.242		
17,500.00	7,001.00	7,011.00	7,011.00	254.79	24.93	90.00	-5,649.06	-11,735.52	2,506.18	2,249.78	256.40	9.775		
17,600.00	7,001.00	7,011.00	7,011.00	257.10	24.93	90.00	-5,649.06	-11,735.52	2,426.99	2,166.62	260.37	9.321		
17,700.00	7,001.00	7,011.00	7,011.00	259.42	24.93	90.00	-5,649.06	-11,735.52	2,349.39	2,084.92	264.47	8.883		
17,800.00	7,001.00	7,011.00	7,011.00	261.74	24.93	90.00	-5,649.06	-11,735.52	2,273.54	2,004.83	268.71	8.461		
17,900.00	7,001.00	7,011.00	7,011.00	264.08	24.93	90.00	-5,649.06	-11,735.52	2,199.63	1,926.57	273.06	8.056		
18,000.00	7,001.00	7,011.00	7,011.00	266.42	24.93	90.00	-5,649.06	-11,735.52	2,127.84	1,850.35	277.50	7.668		
18,100.00	7,001.00	7,011.00	7,011.00	268.78	24.93	90.00	-5,649.06	-11,735.52	2,058.41	1,776.42	281.99	7.299		
18,200.00	7,001.00	7,011.00	7,011.00	271.14	24.93	90.00	-5,649.06	-11,735.52	1,991.59	1,705.07	286.52	6.951		
18,300.00	7,001.00	7,011.00	7,011.00	273.51	24.93	90.00	-5,649.06	-11,735.52	1,927.64	1,636.63	291.01	6.624		
18,400.00	7,001.00	7,011.00	7,011.00	275.89	24.93	90.00	-5,649.06	-11,735.52	1,866.85	1,571.45	295.41	6.320		
18,500.00	7,001.00	7,011.00	7,011.00	278.27	24.93	90.00	-5,649.06	-11,735.52	1,809.56	1,509.92	299.63	6.039		
18,600.00	7,001.00	7,011.00	7,011.00	280.67	24.93	90.00	-5,649.06	-11,735.52	1,756.09	1,452.50	303.59	5.784		
18,700.00	7,001.00	7,011.00	7,011.00	283.07	24.93	90.00	-5,649.06	-11,735.52	1,706.81	1,399.63	307.19	5.556		
18,800.00	7,001.00	7,011.00	7,011.00	285.48	24.93	90.00	-5,649.06	-11,735.52	1,662.10	1,351.81	310.29	5.357		
18,900.00	7,001.00	7,011.00	7,011.00	287.89	24.93	90.00	-5,649.06	-11,735.52	1,622.32	1,309.56	312.76	5.187		
19,000.00	7,001.00	7,011.00	7,011.00	290.31	24.93	90.00	-5,649.06	-11,735.52	1,587.85	1,273.37	314.49	5.049		
19,100.00	7,001.00	7,011.00	7,011.00	292.74	24.93	90.00	-5,649.06	-11,735.52	1,559.05	1,243.73	315.32	4.944		
19,200.00	7,001.00	7,011.00	7,011.00	295.17	24.93	90.00	-5,649.06	-11,735.52	1,536.23	1,221.06	315.17	4.874		
19,300.00	7,001.00	7,011.00	7,011.00	297.61	24.93	90.00	-5,649.06	-11,735.52	1,519.65	1,205.73	313.92	4.841 SF		
19,400.00	7,001.00	7,011.00	7,011.00	300.06	24.93	90.00	-5,649.06	-11,735.52	1,509.54	1,198.00	311.54	4.845 ES		
19,500.00	7,001.00	7,011.00	7,011.00	302.51	24.93	90.00	-5,649.06	-11,735.52	1,506.01	1,198.01	308.00	4.890		
19,504.45	7,001.00	7,011.00	7,011.00	302.62	24.93	90.00	-5,649.06	-11,735.52	1,506.01	1,198.19	307.81	4.893 CC		
19,600.00	7,001.00	7,011.00	7,011.00	304.97	24.93	90.00	-5,649.06	-11,735.52	1,509.11	1,205.77	303.34	4.975		
19,700.00	7,001.00	7,011.00	7,011.00	307.43	24.93	90.00	-5,649.06	-11,735.52	1,518.81	1,221.15	297.65	5.103		
19,800.00	7,001.00	7,011.00	7,011.00	309.90	24.93	90.00	-5,649.06	-11,735.52	1,534.97	1,243.92	291.05	5.274		
19,900.00	7,001.00	7,011.00	7,011.00	312.38	24.93	90.00	-5,649.06	-11,735.52	1,557.40	1,273.72	283.68	5.490		
20,000.00	7,001.00	7,011.00	7,011.00	314.85	24.93	90.00	-5,649.06	-11,735.52	1,585.83	1,310.11	275.72	5.752		
20,100.00	7,001.00	7,011.00	7,011.00	317.34	24.93	90.00	-5,649.06	-11,735.52	1,619.94	1,352.61	267.33	6.060		
20,200.00	7,001.00	7,011.00	7,011.00	319.83	24.93	90.00	-5,649.06	-11,735.52	1,659.39	1,400.70	258.69	6.415		
20,300.00	7,001.00	7,011.00	7,011.00	322.32	24.93	90.00	-5,649.06	-11,735.52	1,703.80	1,453.86	249.94	6.817		
20,400.00	7,001.00	7,011.00	7,011.00	324.82	24.93	90.00	-5,649.06	-11,735.52	1,752.79	1,511.56	241.23	7.266		
20,500.00	7,001.00	7,011.00	7,011.00	327.32	24.93	90.00	-5,649.06	-11,735.52	1,806.00	1,573.34	232.66	7.762		
20,600.00	7,001.00	7,011.00	7,011.00	329.83	24.93	90.00	-5,649.06	-11,735.52	1,863.06	1,638.74	224.32	8.305		
20,700.00	7,001.00	7,011.00	7,011.00	332.34	24.93	90.00	-5,649.06	-11,735.52	1,923.63	1,707.34	216.29	8.894		
20,800.00	7,001.00	7,011.00	7,011.00	334.85	24.93	90.00	-5,649.06	-11,735.52	1,987.39	1,778.78	208.61	9.527		
20,900.00	7,001.00	7,011.00	7,011.00	337.37	24.93	90.00	-5,649.06	-11,735.52	2,054.04	1,852.73	201.31	10.203		
21,000.00	7,001.00	7,011.00	7,011.00	339.89	24.93	90.00	-5,649.06	-11,735.52	2,123.30	1,928.89	194.41	10.922		
21,100.00	7,001.00	7,011.00	7,011.00	342.42	24.93	90.00	-5,649.06	-11,735.52	2,194.94	2,007.02	187.93	11.680		
21,200.00	7,001.00	7,011.00	7,011.00	344.95	24.93	90.00	-5,649.06	-11,735.52	2,268.73	2,086.88	181.85	12.476		
21,300.00	7,001.00	7,011.00	7,011.00	347.48	24.93	90.00	-5,649.06	-11,735.52	2,344.46	2,168.28	176.18	13.307		
21,400.00	7,001.00	7,011.00	7,011.00	350.02	24.93	90.00	-5,649.06	-11,735.52	2,421.95	2,251.05	170.91	14.171		
21,500.00	7,001.00	7,011.00	7,011.00	352.56	24.93	90.00	-5,649.06	-11,735.52	2,501.04	2,335.03	166.01	15.066		
21,600.00	7,001.00	7,011.00	7,011.00	355.10	24.93	90.00	-5,649.06	-11,735.52	2,581.58	2,420.11	161.47	15.988		
21,700.00	7,001.00	7,011.00	7,011.00	357.65	24.93	90.00	-5,649.06	-11,735.52	2,663.44	2,506.17	157.27	16.935		
21,800.00	7,001.00	7,011.00	7,011.00	360.20	24.93	90.00	-5,649.06	-11,735.52	2,746.50	2,593.10	153.41	17.904		
21,818.56	7,001.00	7,011.00	7,011.00	360.67	24.93	90.00	-5,649.06	-11,735.52	2,762.04	2,609.32	152.72	18.086		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 99-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,700.00	2,357.48	682.70	679.80	21.41	2.32	46.27	-5,657.77	-9,102.59	9,995.44	9,977.10	18.34	544.893		
2,800.00	2,417.66	697.00	693.82	22.83	2.38	47.17	-5,657.71	-9,105.44	9,945.55	9,926.15	19.41	512.501		
2,900.00	2,475.32	733.00	729.02	24.29	2.54	47.81	-5,657.44	-9,113.00	9,894.60	9,874.02	20.58	480.721		
3,000.00	2,532.58	733.00	729.02	25.75	2.54	47.81	-5,657.44	-9,113.00	9,843.82	9,822.18	21.63	454.997		
3,100.00	2,589.83	733.00	729.02	27.22	2.54	47.81	-5,657.44	-9,113.00	9,793.79	9,771.08	22.70	431.388		
3,200.00	2,647.08	733.00	729.02	28.70	2.54	47.81	-5,657.44	-9,113.00	9,744.53	9,720.74	23.79	409.673		
3,300.00	2,704.33	733.00	729.02	30.17	2.54	47.81	-5,657.44	-9,113.00	9,696.05	9,671.17	24.88	389.659		
3,400.00	2,761.58	777.31	772.17	31.65	2.76	48.02	-5,657.11	-9,123.03	9,647.88	9,621.70	26.18	368.496		
3,500.00	2,818.84	827.00	820.36	33.13	3.01	48.25	-5,656.90	-9,135.17	9,600.99	9,573.48	27.52	348.904		
3,600.00	2,876.09	827.00	820.36	34.62	3.01	48.25	-5,656.90	-9,135.17	9,554.31	9,525.66	28.66	333.419		
3,700.00	2,933.34	827.00	820.36	36.10	3.01	48.25	-5,656.90	-9,135.17	9,508.45	9,478.65	29.81	319.017		
3,800.00	2,990.59	827.00	820.36	37.59	3.01	48.25	-5,656.90	-9,135.17	9,463.43	9,432.46	30.97	305.600		
3,900.00	3,047.84	827.00	820.36	39.08	3.01	48.25	-5,656.90	-9,135.17	9,419.25	9,387.11	32.14	293.081		
4,000.00	3,105.10	827.00	820.36	40.57	3.01	48.25	-5,656.90	-9,135.17	9,375.93	9,342.61	33.32	281.379		
4,100.00	3,162.35	874.37	866.07	42.06	3.26	48.48	-5,656.90	-9,147.57	9,332.95	9,298.22	34.73	268.715		
4,200.00	3,219.60	921.00	910.87	43.55	3.51	48.71	-5,657.09	-9,160.52	9,291.25	9,255.10	36.15	257.022		
4,300.00	3,276.85	921.00	910.87	45.05	3.51	48.71	-5,657.09	-9,160.52	9,249.93	9,212.56	37.36	247.562		
4,400.00	3,334.10	921.00	910.87	46.54	3.51	48.71	-5,657.09	-9,160.52	9,209.50	9,170.92	38.59	238.665		
4,500.00	3,391.35	921.00	910.87	48.03	3.51	48.71	-5,657.09	-9,160.52	9,169.99	9,130.18	39.82	230.289		
4,600.00	3,448.61	973.75	961.36	49.53	3.82	48.96	-5,657.40	-9,175.79	9,131.07	9,089.74	41.33	220.952		
4,700.00	3,505.86	1,014.00	999.80	51.03	4.05	49.16	-5,657.60	-9,187.71	9,092.96	9,050.19	42.77	212.616		
4,800.00	3,563.11	1,070.72	1,053.94	52.52	4.40	49.44	-5,657.85	-9,204.61	9,055.47	9,011.16	44.31	204.375		
4,900.00	3,620.36	1,146.88	1,126.69	54.02	4.86	49.81	-5,658.14	-9,227.17	9,018.35	8,972.38	45.97	196.177		
5,000.00	3,677.61	1,204.79	1,182.01	55.52	5.21	50.10	-5,658.47	-9,244.29	8,981.75	8,934.20	47.55	188.895		
5,100.00	3,734.87	1,269.80	1,244.12	57.02	5.61	50.42	-5,659.01	-9,263.49	8,945.68	8,896.51	49.18	181.911		
5,200.00	3,792.12	1,343.13	1,314.21	58.51	6.07	50.79	-5,659.86	-9,285.02	8,910.08	8,859.22	50.86	175.197		
5,300.00	3,849.37	1,729.60	1,685.68	60.01	8.39	52.72	-5,662.78	-9,391.48	8,873.55	8,819.40	54.15	163.875		
5,400.00	3,906.62	1,790.04	1,744.07	61.51	8.74	53.03	-5,663.11	-9,407.09	8,836.61	8,780.82	55.79	158.388		
5,500.00	3,963.87	1,847.88	1,799.96	63.01	9.08	53.32	-5,663.77	-9,421.98	8,800.24	8,742.81	57.43	153.231		
5,600.00	4,021.13	1,919.20	1,868.89	64.51	9.49	53.68	-5,664.85	-9,440.27	8,764.40	8,705.25	59.15	148.176		
5,700.00	4,078.38	1,994.13	1,941.32	66.01	9.93	54.06	-5,665.94	-9,459.41	8,729.00	8,668.11	60.90	143.344		
5,800.00	4,135.63	2,030.47	1,976.44	67.51	10.14	54.25	-5,666.52	-9,468.72	8,694.22	8,631.76	62.46	139.196		
5,900.00	4,192.88	2,071.31	2,015.89	69.01	10.38	54.46	-5,667.29	-9,479.28	8,660.14	8,596.08	64.06	135.194		
6,000.00	4,250.13	2,110.00	2,053.24	70.51	10.60	54.65	-5,668.12	-9,489.34	8,626.78	8,561.13	65.65	131.401		
6,100.00	4,307.39	2,154.85	2,096.49	72.02	10.87	54.88	-5,669.03	-9,501.15	8,594.14	8,526.85	67.29	127.717		
6,200.00	4,364.64	2,196.81	2,136.93	73.52	11.12	55.10	-5,669.70	-9,512.35	8,562.22	8,493.30	68.92	124.227		
6,300.00	4,421.89	2,235.00	2,173.69	75.02	11.35	55.30	-5,670.16	-9,522.68	8,531.04	8,460.50	70.55	120.927		
6,400.00	4,479.14	2,283.34	2,220.20	76.52	11.64	55.55	-5,670.71	-9,535.87	8,500.60	8,428.36	72.24	117.680		
6,500.00	4,536.39	2,328.34	2,263.45	78.02	11.91	55.78	-5,671.35	-9,548.24	8,470.88	8,396.97	73.91	114.605		
6,600.00	4,593.64	2,360.00	2,293.88	79.52	12.10	55.95	-5,671.89	-9,556.98	8,441.91	8,366.39	75.53	111.774		
6,700.00	4,650.90	2,423.93	2,355.27	81.03	12.50	56.28	-5,672.80	-9,574.79	8,413.63	8,336.30	77.33	108.803		
6,800.00	4,708.15	2,485.00	2,413.86	82.53	12.87	56.61	-5,673.27	-9,592.02	8,386.09	8,306.97	79.13	105.982		
6,900.00	4,765.40	2,513.49	2,441.16	84.03	13.05	56.76	-5,673.39	-9,600.15	8,359.29	8,278.54	80.75	103.521		
7,000.00	4,822.65	2,551.98	2,478.03	85.53	13.30	56.96	-5,673.52	-9,611.23	8,333.32	8,250.88	82.44	101.088		
7,100.00	4,879.90	2,610.00	2,533.52	87.04	13.66	57.27	-5,673.66	-9,628.15	8,308.21	8,223.96	84.25	98.619		
7,200.00	4,937.16	2,632.17	2,554.71	88.54	13.80	57.39	-5,673.73	-9,634.68	8,283.85	8,198.00	85.85	96.495		
7,300.00	4,994.41	2,677.52	2,598.03	90.04	14.09	57.63	-5,673.96	-9,648.09	8,260.32	8,172.73	87.59	94.302		
7,400.00	5,051.66	2,735.00	2,652.90	91.54	14.46	57.94	-5,674.46	-9,665.21	8,237.60	8,148.17	89.42	92.120		
7,500.00	5,108.91	2,769.35	2,685.67	93.05	14.69	58.12	-5,674.90	-9,675.49	8,215.64	8,124.53	91.11	90.170		
7,600.00	5,166.16	2,815.99	2,730.15	94.55	14.99	58.37	-5,675.70	-9,689.52	8,194.49	8,101.61	92.88	88.223		
7,700.00	5,223.42	3,030.70	2,935.41	96.05	16.36	59.51	-5,680.12	-9,752.31	8,173.41	8,077.71	95.71	85.401		
7,800.00	5,280.67	3,075.58	2,978.42	97.56	16.64	59.76	-5,680.88	-9,765.12	8,152.52	8,055.03	97.49	83.626		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 99-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,900.00	5,337.92	3,402.21	3,292.87	99.06	18.61	61.52	-5,684.89	-9,853.29	8,130.76	8,029.78	100.99	80.514		
8,000.00	5,395.17	3,438.23	3,327.67	100.56	18.82	61.72	-5,685.62	-9,862.54	8,109.31	8,006.57	102.74	78.930		
8,100.00	5,452.42	3,484.00	3,371.84	102.07	19.09	61.97	-5,686.54	-9,874.48	8,088.76	7,984.20	104.56	77.361		
8,200.00	5,509.68	3,537.85	3,423.79	103.57	19.41	62.26	-5,687.50	-9,888.64	8,069.00	7,962.57	106.43	75.814		
8,300.00	5,566.93	3,612.37	3,495.69	105.08	19.85	62.67	-5,688.40	-9,908.19	8,049.87	7,941.43	108.44	74.235		
8,400.00	5,624.18	3,711.73	3,591.70	106.58	20.43	63.22	-5,688.51	-9,933.80	8,031.00	7,920.40	110.61	72.608		
8,500.00	5,681.43	3,770.28	3,648.28	108.08	20.77	63.54	-5,688.38	-9,948.83	8,012.87	7,900.33	112.53	71.205		
8,600.00	5,738.68	3,799.84	3,676.82	109.59	20.95	63.71	-5,688.35	-9,956.53	7,995.68	7,881.40	114.28	69.966		
8,700.00	5,795.93	3,859.00	3,733.84	111.09	21.30	64.04	-5,688.55	-9,972.30	7,979.59	7,863.38	116.22	68.662		
8,800.00	5,853.19	3,859.00	3,733.84	112.60	21.30	64.04	-5,688.55	-9,972.30	7,964.26	7,846.49	117.77	67.624		
8,900.00	5,910.44	3,859.00	3,733.84	114.10	21.30	64.04	-5,688.55	-9,972.30	7,950.15	7,830.83	119.32	66.630		
9,000.00	5,967.69	3,859.00	3,733.84	115.60	21.30	64.04	-5,688.55	-9,972.30	7,937.28	7,816.42	120.86	65.676		
9,100.00	6,024.94	3,921.87	3,794.22	117.11	21.69	64.38	-5,689.07	-9,989.81	7,924.88	7,802.06	122.82	64.523		
9,200.00	6,082.19	3,984.00	3,853.59	118.61	22.08	64.73	-5,689.78	-10,008.09	7,914.23	7,789.44	124.79	63.422		
9,300.00	6,139.45	3,984.00	3,853.59	120.12	22.08	64.73	-5,689.78	-10,008.09	7,904.07	7,777.76	126.31	62.577		
9,400.00	6,196.70	3,984.00	3,853.59	121.62	22.08	64.73	-5,689.78	-10,008.09	7,895.17	7,767.35	127.82	61.768		
9,500.00	6,253.95	4,027.04	3,894.59	123.13	22.37	64.97	-5,690.41	-10,021.17	7,887.34	7,757.70	129.64	60.839		
9,600.00	6,311.20	4,068.26	3,933.82	124.63	22.64	65.19	-5,691.15	-10,033.82	7,880.43	7,748.99	131.45	59.951		
9,700.00	6,368.45	4,455.96	4,304.79	126.13	25.10	67.34	-5,696.14	-10,146.18	7,873.62	7,737.80	135.82	57.973		
9,800.00	6,425.71	6,484.00	6,302.77	127.64	33.63	79.16	-5,680.05	-10,435.03	7,854.80	7,707.56	147.24	53.346		
9,900.00	6,482.96	6,550.47	6,369.23	129.14	33.81	79.57	-5,679.59	-10,436.30	7,832.50	7,683.24	149.26	52.475		
10,000.00	6,540.21	6,618.57	6,437.31	130.65	33.99	79.98	-5,679.07	-10,437.53	7,810.93	7,659.64	151.28	51.631		
10,100.00	6,597.46	6,695.53	6,514.25	132.15	34.19	80.45	-5,678.45	-10,438.74	7,790.04	7,636.71	153.33	50.807		
10,200.00	6,654.71	6,774.30	6,593.01	133.66	34.39	80.93	-5,677.82	-10,439.78	7,769.81	7,614.44	155.37	50.008		
10,300.00	6,711.97	6,855.02	6,673.73	135.16	34.60	81.43	-5,677.30	-10,440.62	7,750.24	7,592.82	157.42	49.233		
10,400.00	6,769.19	6,940.63	6,759.34	136.67	34.82	81.19	-5,676.88	-10,441.25	7,731.17	7,571.70	159.47	48.479		
10,500.00	6,824.05	7,008.60	6,827.31	138.22	34.99	75.63	-5,676.63	-10,441.54	7,702.50	7,541.02	161.49	47.698		
10,600.00	6,873.81	7,057.27	6,875.97	139.81	35.12	71.21	-5,676.46	-10,441.73	7,658.45	7,495.05	163.40	46.869		
10,700.00	6,916.95	7,099.59	6,918.30	141.38	35.22	68.22	-5,676.32	-10,441.90	7,600.24	7,435.05	165.19	46.009		
10,800.00	6,952.17	7,141.19	6,959.89	142.87	35.33	66.94	-5,676.23	-10,442.07	7,529.45	7,362.64	166.81	45.139		
10,900.00	6,978.39	7,173.79	6,992.49	144.24	35.41	67.86	-5,676.23	-10,442.19	7,447.99	7,279.82	168.17	44.288		
11,000.00	6,994.82	7,194.40	7,013.11	145.43	35.46	72.53	-5,676.26	-10,442.25	7,358.16	7,188.93	169.24	43.479		
11,100.00	7,000.96	7,202.34	7,021.04	146.41	35.48	87.04	-5,676.28	-10,442.28	7,262.52	7,092.56	169.96	42.732		
11,200.00	7,001.00	7,202.75	7,021.45	147.26	35.48	89.36	-5,676.28	-10,442.28	7,164.66	6,994.19	170.47	42.029		
11,300.00	7,001.00	7,203.11	7,021.81	148.14	35.48	89.37	-5,676.28	-10,442.28	7,066.85	6,895.86	170.99	41.328		
11,400.00	7,001.00	7,203.47	7,022.17	149.06	35.48	89.39	-5,676.29	-10,442.28	6,969.10	6,797.57	171.53	40.628		
11,500.00	7,001.00	7,203.83	7,022.53	150.00	35.49	89.40	-5,676.29	-10,442.28	6,871.42	6,699.33	172.09	39.930		
11,600.00	7,001.00	7,204.18	7,022.89	150.97	35.49	89.42	-5,676.29	-10,442.28	6,773.80	6,601.14	172.66	39.232		
11,700.00	7,001.00	7,204.54	7,023.25	151.97	35.49	89.43	-5,676.29	-10,442.28	6,676.26	6,503.01	173.25	38.536		
11,800.00	7,001.00	7,204.89	7,023.60	153.00	35.49	89.44	-5,676.29	-10,442.28	6,578.79	6,404.93	173.85	37.841		
11,900.00	7,001.00	7,205.25	7,023.95	154.06	35.49	89.46	-5,676.29	-10,442.29	6,481.39	6,306.92	174.48	37.147		
12,000.00	7,001.00	7,205.60	7,024.31	155.15	35.49	89.47	-5,676.29	-10,442.29	6,384.08	6,208.96	175.12	36.455		
12,100.00	7,001.00	7,205.95	7,024.66	156.27	35.49	89.48	-5,676.29	-10,442.29	6,286.85	6,111.07	175.78	35.765		
12,200.00	7,001.00	7,206.30	7,025.01	157.43	35.49	89.50	-5,676.29	-10,442.29	6,189.71	6,013.24	176.47	35.075		
12,300.00	7,001.00	7,206.65	7,025.36	158.61	35.49	89.51	-5,676.29	-10,442.29	6,092.66	5,915.49	177.17	34.388		
12,400.00	7,001.00	7,207.00	7,025.71	159.82	35.49	89.52	-5,676.30	-10,442.29	5,995.71	5,817.80	177.90	33.702		
12,500.00	7,001.00	7,207.35	7,026.05	161.07	35.49	89.54	-5,676.30	-10,442.29	5,898.86	5,720.20	178.66	33.018		
12,600.00	7,001.00	7,207.69	7,026.40	162.34	35.50	89.55	-5,676.30	-10,442.29	5,802.12	5,622.68	179.43	32.336		
12,700.00	7,001.00	7,208.04	7,026.74	163.64	35.50	89.56	-5,676.30	-10,442.29	5,705.48	5,525.25	180.24	31.655		
12,800.00	7,001.00	7,208.38	7,027.09	164.98	35.50	89.58	-5,676.30	-10,442.29	5,608.97	5,427.90	181.07	30.977		
12,900.00	7,001.00	7,208.72	7,027.43	166.34	35.50	89.59	-5,676.30	-10,442.30	5,512.58	5,330.65	181.93	30.301		
13,000.00	7,001.00	7,209.06	7,027.77	167.74	35.50	89.60	-5,676.30	-10,442.30	5,416.33	5,233.51	182.82	29.627		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 99-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,100.00	7,001.00	7,209.40	7,028.11	169.16	35.50	89.62	-5,676.30	-10,442.30	5,320.21	5,136.47	183.74	28.955		
13,200.00	7,001.00	7,209.74	7,028.45	170.61	35.50	89.63	-5,676.30	-10,442.30	5,224.23	5,039.54	184.69	28.286		
13,300.00	7,001.00	7,210.08	7,028.79	172.10	35.50	89.64	-5,676.31	-10,442.30	5,128.41	4,942.73	185.68	27.619		
13,400.00	7,001.00	7,210.42	7,029.13	173.61	35.50	89.66	-5,676.31	-10,442.30	5,032.76	4,846.05	186.71	26.955		
13,500.00	7,001.00	7,210.76	7,029.46	175.15	35.50	89.67	-5,676.31	-10,442.30	4,937.27	4,749.50	187.77	26.294		
13,600.00	7,001.00	7,211.09	7,029.80	176.72	35.50	89.68	-5,676.31	-10,442.30	4,841.97	4,653.09	188.88	25.635		
13,700.00	7,001.00	7,211.42	7,030.13	178.31	35.50	89.70	-5,676.31	-10,442.30	4,746.86	4,556.83	190.03	24.980		
13,800.00	7,001.00	7,211.76	7,030.46	179.94	35.51	89.71	-5,676.31	-10,442.30	4,651.95	4,460.73	191.22	24.328		
13,900.00	7,001.00	7,212.09	7,030.80	181.59	35.51	89.72	-5,676.31	-10,442.30	4,557.27	4,364.81	192.46	23.679		
14,000.00	7,001.00	7,212.42	7,031.13	183.26	35.51	89.73	-5,676.31	-10,442.31	4,462.81	4,269.06	193.75	23.034		
14,100.00	7,001.00	7,212.75	7,031.46	184.97	35.51	89.75	-5,676.31	-10,442.31	4,368.60	4,173.51	195.09	22.392		
14,200.00	7,001.00	7,213.08	7,031.78	186.70	35.51	89.76	-5,676.31	-10,442.31	4,274.66	4,078.17	196.49	21.755		
14,300.00	7,001.00	7,213.41	7,032.11	188.45	35.51	89.77	-5,676.32	-10,442.31	4,180.99	3,983.05	197.95	21.122		
14,400.00	7,001.00	7,213.73	7,032.44	190.23	35.51	89.78	-5,676.32	-10,442.31	4,087.63	3,888.16	199.47	20.493		
14,500.00	7,001.00	7,214.06	7,032.76	192.03	35.51	89.80	-5,676.32	-10,442.31	3,994.59	3,793.54	201.05	19.869		
14,600.00	7,001.00	7,214.38	7,033.09	193.86	35.51	89.81	-5,676.32	-10,442.31	3,901.89	3,699.19	202.70	19.249		
14,700.00	7,001.00	7,214.71	7,033.41	195.71	35.51	89.82	-5,676.32	-10,442.31	3,809.56	3,605.13	204.43	18.635		
14,800.00	7,001.00	7,215.03	7,033.74	197.58	35.51	89.84	-5,676.32	-10,442.31	3,717.63	3,511.40	206.23	18.027		
14,900.00	7,001.00	7,215.35	7,034.06	199.47	35.51	89.85	-5,676.32	-10,442.31	3,626.12	3,418.01	208.11	17.424		
15,000.00	7,001.00	7,215.67	7,034.38	201.39	35.52	89.86	-5,676.32	-10,442.32	3,535.08	3,324.99	210.08	16.827		
15,100.00	7,001.00	7,215.99	7,034.70	203.32	35.52	89.87	-5,676.33	-10,442.32	3,444.53	3,232.39	212.14	16.237		
15,200.00	7,001.00	7,216.31	7,035.02	205.28	35.52	89.88	-5,676.33	-10,442.32	3,354.51	3,140.22	214.29	15.654		
15,300.00	7,001.00	7,216.63	7,035.33	207.25	35.52	89.90	-5,676.33	-10,442.32	3,265.08	3,048.54	216.55	15.078		
15,400.00	7,001.00	7,216.95	7,035.65	209.25	35.52	89.91	-5,676.33	-10,442.32	3,176.28	2,957.38	218.90	14.510		
15,500.00	7,001.00	7,217.26	7,035.97	211.26	35.52	89.92	-5,676.33	-10,442.32	3,088.17	2,866.80	221.37	13.950		
15,600.00	7,001.00	7,217.58	7,036.28	213.30	35.52	89.93	-5,676.33	-10,442.32	3,000.80	2,776.85	223.95	13.399		
15,700.00	7,001.00	7,217.89	7,036.60	215.35	35.52	89.95	-5,676.33	-10,442.32	2,914.24	2,687.59	226.65	12.858		
15,800.00	7,001.00	7,218.20	7,036.91	217.42	35.52	89.96	-5,676.33	-10,442.32	2,828.57	2,599.09	229.48	12.326		
15,900.00	7,001.00	7,218.52	7,037.22	219.50	35.52	89.97	-5,676.33	-10,442.32	2,743.87	2,511.44	232.43	11.805		
16,000.00	7,001.00	7,218.83	7,037.53	221.60	35.52	89.98	-5,676.34	-10,442.32	2,660.23	2,424.72	235.51	11.296		
16,100.00	7,001.00	7,219.14	7,037.84	223.72	35.52	89.99	-5,676.34	-10,442.32	2,577.75	2,339.03	238.72	10.798		
16,200.00	7,001.00	7,219.45	7,038.15	225.85	35.52	90.01	-5,676.34	-10,442.33	2,496.56	2,254.50	242.07	10.314		
16,300.00	7,001.00	7,219.75	7,038.46	228.00	35.53	90.02	-5,676.34	-10,442.33	2,416.78	2,171.24	245.54	9.843		
16,400.00	7,001.00	7,220.06	7,038.77	230.16	35.53	90.03	-5,676.34	-10,442.33	2,338.55	2,089.42	249.14	9.387		
16,500.00	7,001.00	7,220.37	7,039.07	232.34	35.53	90.04	-5,676.34	-10,442.33	2,262.04	2,009.19	252.85	8.946		
16,600.00	7,001.00	7,220.67	7,039.38	234.53	35.53	90.05	-5,676.34	-10,442.33	2,187.43	1,930.76	256.66	8.523		
16,700.00	7,001.00	7,220.98	7,039.68	236.73	35.53	90.07	-5,676.34	-10,442.33	2,114.91	1,854.35	260.56	8.117		
16,800.00	7,001.00	7,221.28	7,039.99	238.95	35.53	90.08	-5,676.34	-10,442.33	2,044.71	1,780.21	264.51	7.730		
16,900.00	7,001.00	7,221.58	7,040.29	241.18	35.53	90.09	-5,676.35	-10,442.33	1,977.08	1,708.61	268.47	7.364		
17,000.00	7,001.00	7,221.89	7,040.59	243.42	35.53	90.10	-5,676.35	-10,442.33	1,912.29	1,639.88	272.41	7.020		
17,100.00	7,001.00	7,222.19	7,040.89	245.67	35.53	90.11	-5,676.35	-10,442.33	1,850.64	1,574.38	276.25	6.699		
17,200.00	7,001.00	7,222.49	7,041.19	247.93	35.53	90.12	-5,676.35	-10,442.33	1,792.45	1,512.51	279.94	6.403		
17,300.00	7,001.00	7,222.79	7,041.49	250.21	35.53	90.14	-5,676.35	-10,442.33	1,738.06	1,454.70	283.37	6.134		
17,400.00	7,001.00	7,223.08	7,041.79	252.50	35.53	90.15	-5,676.35	-10,442.34	1,687.86	1,401.41	286.45	5.892		
17,500.00	7,001.00	7,223.38	7,042.09	254.79	35.53	90.16	-5,676.35	-10,442.34	1,642.22	1,353.16	289.06	5.681		
17,600.00	7,001.00	7,223.68	7,042.38	257.10	35.54	90.17	-5,676.35	-10,442.34	1,601.52	1,310.44	291.08	5.502		
17,700.00	7,001.00	7,223.97	7,042.68	259.42	35.54	90.18	-5,676.36	-10,442.34	1,566.17	1,273.79	292.38	5.357		
17,800.00	7,001.00	7,224.27	7,042.97	261.74	35.54	90.19	-5,676.36	-10,442.34	1,536.52	1,243.69	292.83	5.247		
17,900.00	7,001.00	7,224.56	7,043.27	264.08	35.54	90.20	-5,676.36	-10,442.34	1,512.90	1,220.58	292.33	5.175		
18,000.00	7,001.00	7,224.86	7,043.56	266.42	35.54	90.22	-5,676.36	-10,442.34	1,495.62	1,204.84	290.78	5.143 SF		
18,100.00	7,001.00	7,225.15	7,043.85	268.78	35.54	90.23	-5,676.36	-10,442.34	1,484.89	1,196.74	288.15	5.153		
18,200.00	7,001.00	7,225.44	7,044.14	271.14	35.54	90.24	-5,676.36	-10,442.34	1,480.84	1,196.42	284.42	5.207 ES		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Sec 3-T6N-R67W - EXIST HZ BOWER 10-3 - Wellbore #1 - Wellbore #1		Offset Site Error:		0.00 usft	
Survey Program: 99-MWD														Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis		Distance								Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
18,209.99	7,001.00	7,225.47	7,044.17	271.38	35.54	90.24	-5,676.36	-10,442.34	1,480.81	1,196.82	283.98	5.214	CC				
18,300.00	7,001.00	7,225.73	7,044.43	273.51	35.54	90.25	-5,676.36	-10,442.34	1,483.54	1,203.91	279.62	5.305					
18,400.00	7,001.00	7,226.02	7,044.72	275.89	35.54	90.26	-5,676.36	-10,442.34	1,492.95	1,219.09	273.86	5.451					
18,500.00	7,001.00	7,226.31	7,045.01	278.27	35.54	90.27	-5,676.37	-10,442.34	1,508.94	1,241.69	267.25	5.646					
18,600.00	7,001.00	7,226.60	7,045.30	280.67	35.54	90.28	-5,676.37	-10,442.34	1,531.30	1,271.36	259.94	5.891					
18,700.00	7,001.00	7,226.88	7,045.59	283.07	35.54	90.29	-5,676.37	-10,442.35	1,559.77	1,307.66	252.12	6.187					
18,800.00	7,001.00	7,227.17	7,045.87	285.48	35.54	90.30	-5,676.37	-10,442.35	1,594.02	1,350.08	243.94	6.535					
18,900.00	7,001.00	7,227.45	7,046.16	287.89	35.54	90.32	-5,676.37	-10,442.35	1,633.67	1,398.10	235.58	6.935					
19,000.00	7,001.00	7,227.74	7,046.44	290.31	35.55	90.33	-5,676.37	-10,442.35	1,678.36	1,451.18	227.18	7.388					
19,100.00	7,001.00	7,228.02	7,046.73	292.74	35.55	90.34	-5,676.37	-10,442.35	1,727.68	1,508.80	218.89	7.893					
19,200.00	7,001.00	7,228.31	7,047.01	295.17	35.55	90.35	-5,676.37	-10,442.35	1,781.26	1,570.46	210.80	8.450					
19,300.00	7,001.00	7,228.59	7,047.29	297.61	35.55	90.36	-5,676.38	-10,442.35	1,838.72	1,635.73	202.99	9.058					
19,400.00	7,001.00	7,228.87	7,047.57	300.06	35.55	90.37	-5,676.38	-10,442.35	1,899.71	1,704.17	195.54	9.715					
19,500.00	7,001.00	7,229.15	7,047.85	302.51	35.55	90.38	-5,676.38	-10,442.35	1,963.90	1,775.42	188.47	10.420					
19,600.00	7,001.00	7,229.43	7,048.13	304.97	35.55	90.39	-5,676.38	-10,442.35	2,030.98	1,849.16	181.83	11.170					
19,700.00	7,001.00	7,229.71	7,048.41	307.43	35.55	90.40	-5,676.38	-10,442.35	2,100.69	1,925.08	175.61	11.962					
19,800.00	7,001.00	7,229.99	7,048.69	309.90	35.55	90.41	-5,676.38	-10,442.35	2,172.76	2,002.94	169.82	12.794					
19,900.00	7,001.00	7,230.26	7,048.97	312.38	35.55	90.42	-5,676.38	-10,442.35	2,246.97	2,082.51	164.46	13.663					
20,000.00	7,001.00	7,230.54	7,049.25	314.85	35.55	90.44	-5,676.38	-10,442.35	2,323.12	2,163.61	159.52	14.564					
20,100.00	7,001.00	7,230.82	7,049.52	317.34	35.55	90.45	-5,676.38	-10,442.36	2,401.02	2,246.05	154.97	15.494					
20,200.00	7,001.00	7,231.09	7,049.80	319.83	35.55	90.46	-5,676.39	-10,442.36	2,480.50	2,329.70	150.80	16.449					
20,300.00	7,001.00	7,231.36	7,050.07	322.32	35.55	90.47	-5,676.39	-10,442.36	2,561.42	2,414.44	146.99	17.426					
20,400.00	7,001.00	7,231.64	7,050.34	324.82	35.56	90.48	-5,676.39	-10,442.36	2,643.65	2,500.14	143.51	18.421					
20,500.00	7,001.00	7,231.91	7,050.62	327.32	35.56	90.49	-5,676.39	-10,442.36	2,727.06	2,586.71	140.35	19.430					
20,600.00	7,001.00	7,232.18	7,050.89	329.83	35.56	90.50	-5,676.39	-10,442.36	2,811.56	2,674.07	137.49	20.449					
20,700.00	7,001.00	7,232.45	7,051.16	332.34	35.56	90.51	-5,676.39	-10,442.36	2,897.05	2,762.15	134.90	21.476					
20,800.00	7,001.00	7,232.72	7,051.43	334.85	35.56	90.52	-5,676.39	-10,442.36	2,983.43	2,850.87	132.56	22.507					
20,900.00	7,001.00	7,232.99	7,051.70	337.37	35.56	90.53	-5,676.39	-10,442.36	3,070.65	2,940.20	130.45	23.539					
21,000.00	7,001.00	7,233.26	7,051.97	339.89	35.56	90.54	-5,676.40	-10,442.36	3,158.62	3,030.06	128.56	24.570					
21,100.00	7,001.00	7,233.53	7,052.24	342.42	35.56	90.55	-5,676.40	-10,442.36	3,247.29	3,120.43	126.86	25.598					
21,200.00	7,001.00	7,233.80	7,052.50	344.95	35.56	90.56	-5,676.40	-10,442.36	3,336.59	3,211.26	125.34	26.621					
21,300.00	7,001.00	7,234.06	7,052.77	347.48	35.56	90.57	-5,676.40	-10,442.36	3,426.49	3,302.51	123.98	27.637					
21,400.00	7,001.00	7,234.33	7,053.03	350.02	35.56	90.58	-5,676.40	-10,442.36	3,516.94	3,394.16	122.78	28.645					
21,500.00	7,001.00	7,234.59	7,053.30	352.56	35.56	90.59	-5,676.40	-10,442.37	3,607.89	3,486.18	121.71	29.644					
21,600.00	7,001.00	7,234.86	7,053.56	355.10	35.56	90.60	-5,676.40	-10,442.37	3,699.30	3,578.54	120.76	30.633					
21,700.00	7,001.00	7,232.00	7,050.71	357.65	35.56	90.49	-5,676.39	-10,442.36	3,791.16	3,671.27	119.88	31.623					
21,800.00	7,001.00	7,232.00	7,050.71	360.20	35.56	90.49	-5,676.39	-10,442.36	3,883.41	3,764.26	119.15	32.592					
21,818.56	7,001.00	7,232.00	7,050.71	360.67	35.56	90.49	-5,676.39	-10,442.36	3,900.57	3,781.54	119.02	32.771					

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 126-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,700.00	2,357.48	786.40	783.92	21.41	2.67	46.45	-5,689.79	-9,079.23	9,972.57	9,953.93	18.64	534.922		
2,800.00	2,417.66	802.97	800.25	22.83	2.74	47.37	-5,691.72	-9,081.28	9,921.75	9,902.04	19.71	503.454		
2,900.00	2,475.32	856.00	852.39	24.29	2.97	48.06	-5,698.50	-9,088.19	9,870.03	9,849.10	20.93	471.513		
3,000.00	2,532.58	856.00	852.39	25.75	2.97	48.06	-5,698.50	-9,088.19	9,818.15	9,796.17	21.98	446.639		
3,100.00	2,589.83	856.00	852.39	27.22	2.97	48.06	-5,698.50	-9,088.19	9,767.02	9,743.97	23.05	423.766		
3,200.00	2,647.08	856.00	852.39	28.70	2.97	48.06	-5,698.50	-9,088.19	9,716.65	9,692.52	24.13	402.689		
3,300.00	2,704.33	856.00	852.39	30.17	2.97	48.06	-5,698.50	-9,088.19	9,667.05	9,641.83	25.23	383.231		
3,400.00	2,761.58	856.00	852.39	31.65	2.97	48.06	-5,698.50	-9,088.19	9,618.24	9,591.90	26.33	365.231		
3,500.00	2,818.84	915.67	910.80	33.13	3.26	48.29	-5,707.18	-9,096.72	9,569.39	9,541.70	27.69	345.612		
3,600.00	2,876.09	931.88	926.63	34.62	3.33	48.36	-5,709.72	-9,099.19	9,521.66	9,492.78	28.89	329.624		
3,700.00	2,933.34	981.00	974.41	36.10	3.57	48.55	-5,717.85	-9,107.10	9,474.88	9,444.66	30.22	313.513		
3,800.00	2,990.59	981.00	974.41	37.59	3.57	48.55	-5,717.85	-9,107.10	9,428.35	9,396.97	31.38	300.432		
3,900.00	3,047.84	981.00	974.41	39.08	3.57	48.55	-5,717.85	-9,107.10	9,382.66	9,350.11	32.56	288.209		
4,000.00	3,105.10	1,016.20	1,008.56	40.57	3.75	48.68	-5,723.98	-9,113.04	9,337.68	9,303.79	33.88	275.582		
4,100.00	3,162.35	1,050.45	1,041.75	42.06	3.93	48.81	-5,730.07	-9,118.92	9,293.28	9,258.06	35.21	263.920		
4,200.00	3,219.60	1,108.00	1,097.42	43.55	4.22	49.03	-5,740.56	-9,129.04	9,249.53	9,212.88	36.65	252.361		
4,300.00	3,276.85	1,150.99	1,138.96	45.05	4.46	49.20	-5,748.59	-9,136.63	9,206.21	9,168.16	38.05	241.968		
4,400.00	3,334.10	1,233.00	1,218.22	46.54	4.90	49.51	-5,764.30	-9,150.70	9,163.03	9,123.41	39.62	231.285		
4,500.00	3,391.35	1,275.97	1,259.72	48.03	5.13	49.67	-5,772.66	-9,158.07	9,120.28	9,079.24	41.04	222.227		
4,600.00	3,448.61	1,307.65	1,290.28	49.53	5.31	49.80	-5,778.82	-9,163.70	9,078.19	9,035.76	42.43	213.972		
4,700.00	3,505.86	1,358.00	1,338.79	51.03	5.59	49.99	-5,788.60	-9,172.98	9,036.79	8,992.88	43.91	205.825		
4,800.00	3,563.11	1,358.00	1,338.79	52.52	5.59	49.99	-5,788.60	-9,172.98	8,995.97	8,950.79	45.18	199.125		
4,900.00	3,620.36	1,358.00	1,338.79	54.02	5.59	49.99	-5,788.60	-9,172.98	8,956.09	8,909.63	46.46	192.778		
5,000.00	3,677.61	1,358.00	1,338.79	55.52	5.59	49.99	-5,788.60	-9,172.98	8,917.14	8,869.40	47.75	186.762		
5,100.00	3,734.87	1,411.88	1,390.53	57.02	5.91	50.20	-5,799.09	-9,183.77	8,878.37	8,829.09	49.29	180.142		
5,200.00	3,792.12	1,427.78	1,405.74	58.51	6.00	50.27	-5,802.19	-9,187.19	8,840.82	8,790.16	50.66	174.500		
5,300.00	3,849.37	1,483.00	1,458.37	60.01	6.33	50.49	-5,813.00	-9,199.95	8,804.52	8,752.29	52.23	168.563		
5,400.00	3,906.62	1,483.00	1,458.37	61.51	6.33	50.49	-5,813.00	-9,199.95	8,768.38	8,714.83	53.56	163.726		
5,500.00	3,963.87	1,483.00	1,458.37	63.01	6.33	50.49	-5,813.00	-9,199.95	8,733.24	8,678.35	54.88	159.124		
5,600.00	4,021.13	1,483.00	1,458.37	64.51	6.33	50.49	-5,813.00	-9,199.95	8,699.10	8,642.88	56.22	154.743		
5,700.00	4,078.38	1,526.21	1,499.34	66.01	6.60	50.66	-5,821.68	-9,210.58	8,665.68	8,607.91	57.77	149.998		
5,800.00	4,135.63	1,554.40	1,525.99	67.51	6.78	50.77	-5,827.56	-9,217.64	8,633.08	8,573.82	59.26	145.681		
5,900.00	4,192.88	1,608.00	1,576.48	69.01	7.12	50.99	-5,839.22	-9,231.34	8,601.36	8,540.48	60.88	141.273		
6,000.00	4,250.13	1,608.00	1,576.48	70.51	7.12	50.99	-5,839.22	-9,231.34	8,570.23	8,507.99	62.24	137.687		
6,100.00	4,307.39	1,608.00	1,576.48	72.02	7.12	50.99	-5,839.22	-9,231.34	8,540.16	8,476.56	63.61	134.264		
6,200.00	4,364.64	1,608.00	1,576.48	73.52	7.12	50.99	-5,839.22	-9,231.34	8,511.16	8,446.19	64.97	130.997		
6,300.00	4,421.89	1,659.13	1,624.33	75.02	7.48	51.19	-5,850.84	-9,245.10	8,482.49	8,415.87	66.63	127.316		
6,400.00	4,479.14	1,675.68	1,639.73	76.52	7.59	51.25	-5,854.69	-9,249.78	8,455.10	8,387.01	68.09	124.171		
6,500.00	4,536.39	1,733.00	1,692.73	78.02	7.99	51.48	-5,868.34	-9,266.81	8,429.12	8,359.32	69.80	120.766		
6,600.00	4,593.64	1,733.00	1,692.73	79.52	7.99	51.48	-5,868.34	-9,266.81	8,403.31	8,332.13	71.18	118.058		
6,700.00	4,650.90	1,733.00	1,692.73	81.03	7.99	51.48	-5,868.34	-9,266.81	8,378.61	8,306.05	72.56	115.469		
6,800.00	4,708.15	1,788.57	1,743.77	82.53	8.41	51.69	-5,882.29	-9,283.78	8,354.88	8,280.59	74.29	112.463		
6,900.00	4,765.40	1,875.68	1,823.49	84.03	9.07	52.02	-5,905.96	-9,309.73	8,331.43	8,255.21	76.22	109.310		
7,000.00	4,822.65	1,936.11	1,878.75	85.53	9.53	52.25	-5,922.46	-9,327.80	8,308.43	8,230.43	78.00	106.519		
7,100.00	4,879.90	2,019.51	1,955.11	87.04	10.17	52.57	-5,944.38	-9,353.16	8,285.94	8,206.00	79.94	103.650		
7,200.00	4,937.16	2,108.00	2,036.29	88.54	10.85	52.91	-5,967.38	-9,379.81	8,263.46	8,181.53	81.93	100.861		
7,300.00	4,994.41	2,166.62	2,090.07	90.04	11.31	53.14	-5,982.52	-9,397.54	8,241.47	8,157.74	83.74	98.423		
7,400.00	5,051.66	2,233.00	2,150.84	91.54	11.83	53.40	-5,999.49	-9,418.18	8,220.38	8,134.78	85.60	96.027		
7,500.00	5,108.91	2,268.15	2,183.00	93.05	12.10	53.54	-6,008.31	-9,429.28	8,199.85	8,112.58	87.27	93.958		
7,600.00	5,166.16	2,544.08	2,437.30	94.55	14.23	54.66	-6,074.90	-9,513.07	8,178.12	8,087.55	90.57	90.295		
7,700.00	5,223.42	2,607.00	2,495.03	96.05	14.71	54.91	-6,091.92	-9,531.42	8,156.80	8,064.34	92.46	88.220		
7,800.00	5,280.67	2,607.00	2,495.03	97.56	14.71	54.91	-6,091.92	-9,531.42	8,136.13	8,042.20	93.93	86.616		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 126-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,900.00	5,337.92	2,654.10	2,538.03	99.06	15.09	55.09	-6,105.08	-9,545.43	8,116.32	8,020.58	95.74	84.779		
8,000.00	5,395.17	2,688.18	2,569.06	100.56	15.37	55.22	-6,114.61	-9,555.79	8,097.36	7,999.91	97.45	83.092		
8,100.00	5,452.42	2,732.00	2,608.86	102.07	15.73	55.39	-6,126.87	-9,569.41	8,079.27	7,980.03	99.24	81.411		
8,200.00	5,509.68	2,732.00	2,608.86	103.57	15.73	55.39	-6,126.87	-9,569.41	8,062.08	7,961.38	100.71	80.053		
8,300.00	5,566.93	2,795.25	2,666.07	105.08	16.26	55.64	-6,144.85	-9,589.54	8,045.55	7,942.89	102.66	78.372		
8,400.00	5,624.18	2,894.65	2,755.57	106.58	17.10	56.02	-6,173.73	-9,621.71	8,029.93	7,925.04	104.89	76.554		
8,500.00	5,681.43	3,022.56	2,871.24	108.08	18.17	56.52	-6,210.06	-9,662.44	8,014.03	7,906.67	107.36	74.647		
8,600.00	5,738.68	3,060.48	2,905.66	109.59	18.48	56.67	-6,220.33	-9,674.62	7,998.48	7,889.34	109.14	73.284		
8,700.00	5,795.93	3,107.00	2,947.84	111.09	18.87	56.86	-6,232.66	-9,689.87	7,983.78	7,872.78	111.00	71.926		
8,800.00	5,853.19	3,607.00	3,405.35	112.60	22.89	58.88	-6,366.32	-9,840.32	7,966.04	7,849.72	116.31	68.489		
8,900.00	5,910.44	3,765.99	3,552.14	114.10	24.11	59.52	-6,409.21	-9,883.76	7,947.48	7,828.45	119.03	66.767		
9,000.00	5,967.69	3,832.79	3,614.13	115.60	24.62	59.80	-6,426.23	-9,901.94	7,929.01	7,807.91	121.11	65.471		
9,100.00	6,024.94	3,857.00	3,636.60	117.11	24.80	59.90	-6,432.31	-9,908.57	7,911.23	7,788.35	122.88	64.382		
9,200.00	6,082.19	3,925.48	3,699.95	118.61	25.33	60.19	-6,450.11	-9,927.53	7,894.05	7,769.06	124.99	63.159		
9,300.00	6,139.45	3,982.00	3,751.87	120.12	25.77	60.42	-6,465.78	-9,943.43	7,877.77	7,750.77	127.00	62.028		
9,400.00	6,196.70	4,015.62	3,782.62	121.62	26.05	60.55	-6,475.45	-9,952.99	7,862.22	7,733.36	128.86	61.013		
9,500.00	6,253.95	4,065.14	3,827.77	123.13	26.45	60.75	-6,490.02	-9,967.20	7,847.41	7,716.57	130.84	59.975		
9,600.00	6,311.20	4,106.00	3,864.89	124.63	26.78	60.91	-6,502.33	-9,979.04	7,833.33	7,700.58	132.76	59.004		
9,700.00	6,368.45	4,180.13	3,931.95	126.13	27.41	61.19	-6,525.35	-10,000.67	7,819.86	7,684.90	134.96	57.943		
9,800.00	6,425.71	4,316.83	4,055.60	127.64	28.55	61.72	-6,568.11	-10,040.22	7,806.51	7,668.83	137.67	56.703		
9,900.00	6,482.96	4,398.53	4,130.01	129.14	29.22	62.05	-6,592.39	-10,063.61	7,793.10	7,653.16	139.95	55.687		
10,000.00	6,540.21	4,429.77	4,158.54	130.65	29.47	62.17	-6,601.24	-10,072.78	7,780.55	7,638.75	141.81	54.867		
10,100.00	6,597.46	4,481.00	4,205.24	132.15	29.89	62.38	-6,615.51	-10,088.26	7,769.01	7,625.17	143.84	54.012		
10,200.00	6,654.71	6,896.46	6,532.89	133.66	42.22	74.80	-6,936.88	-10,486.26	7,751.69	7,594.17	157.52	49.211		
10,300.00	6,711.97	6,940.35	6,576.77	135.16	42.31	75.07	-6,936.57	-10,487.20	7,720.09	7,560.44	159.65	48.357		
10,400.00	6,769.19	6,980.00	6,616.41	136.67	42.39	74.52	-6,936.20	-10,488.11	7,689.21	7,527.44	161.77	47.531		
10,500.00	6,824.05	7,030.72	6,667.11	138.22	42.50	68.47	-6,935.70	-10,489.36	7,649.26	7,485.39	163.87	46.679		
10,600.00	6,873.81	7,073.33	6,709.71	139.81	42.60	63.33	-6,935.34	-10,490.46	7,594.69	7,428.86	165.82	45.800		
10,700.00	6,916.95	7,111.87	6,748.23	141.38	42.68	59.22	-6,935.06	-10,491.49	7,526.94	7,359.37	167.57	44.918		
10,800.00	6,952.17	7,148.06	6,784.40	142.87	42.76	56.13	-6,934.83	-10,492.47	7,447.84	7,278.79	169.05	44.056		
10,900.00	6,978.39	7,175.84	6,812.18	144.24	42.82	53.93	-6,934.67	-10,493.23	7,359.57	7,189.36	170.21	43.239		
11,000.00	6,994.82	7,194.35	6,830.67	145.43	42.86	52.42	-6,934.57	-10,493.74	7,264.63	7,093.65	170.98	42.489		
11,100.00	7,000.96	7,202.97	6,839.29	146.41	42.88	49.61	-6,934.52	-10,493.97	7,165.78	6,994.45	171.33	41.823		
11,200.00	7,001.00	7,205.69	6,842.02	147.26	42.89	48.78	-6,934.51	-10,494.05	7,065.87	6,894.43	171.44	41.215		
11,300.00	7,001.00	7,208.38	6,844.70	148.14	42.90	49.17	-6,934.49	-10,494.12	6,965.96	6,794.41	171.55	40.606		
11,400.00	7,001.00	7,211.07	6,847.39	149.06	42.90	49.57	-6,934.48	-10,494.20	6,866.05	6,694.39	171.66	39.998		
11,500.00	7,001.00	7,213.76	6,850.08	150.00	42.91	49.98	-6,934.47	-10,494.27	6,766.14	6,594.37	171.77	39.390		
11,600.00	7,001.00	7,216.45	6,852.77	150.97	42.91	50.39	-6,934.45	-10,494.34	6,666.23	6,494.34	171.89	38.782		
11,700.00	7,001.00	7,219.14	6,855.46	151.97	42.92	50.81	-6,934.44	-10,494.42	6,566.33	6,394.32	172.01	38.174		
11,800.00	7,001.00	7,221.84	6,858.16	153.00	42.93	51.23	-6,934.43	-10,494.49	6,466.42	6,294.29	172.13	37.566		
11,900.00	7,001.00	7,224.54	6,860.85	154.06	42.93	51.65	-6,934.42	-10,494.57	6,366.52	6,194.26	172.26	36.959		
12,000.00	7,001.00	7,227.24	6,863.55	155.15	42.94	52.08	-6,934.40	-10,494.64	6,266.62	6,094.23	172.39	36.351		
12,100.00	7,001.00	7,230.32	6,866.63	156.27	42.95	52.58	-6,934.39	-10,494.72	6,166.73	5,994.20	172.53	35.744		
12,200.00	7,001.00	7,234.09	6,870.40	157.43	42.95	53.20	-6,934.37	-10,494.83	6,066.83	5,894.16	172.67	35.136		
12,300.00	7,001.00	7,237.81	6,874.13	158.61	42.96	53.82	-6,934.36	-10,494.93	5,966.94	5,794.13	172.81	34.529		
12,400.00	7,001.00	7,241.50	6,877.81	159.82	42.97	54.45	-6,934.34	-10,495.03	5,867.04	5,694.08	172.96	33.921		
12,500.00	7,001.00	7,245.14	6,881.45	161.07	42.98	55.07	-6,934.33	-10,495.13	5,767.15	5,594.04	173.11	33.314		
12,600.00	7,001.00	7,248.74	6,885.05	162.34	42.99	55.70	-6,934.32	-10,495.22	5,667.27	5,493.99	173.27	32.707		
12,700.00	7,001.00	7,252.30	6,888.61	163.64	43.00	56.33	-6,934.30	-10,495.32	5,567.38	5,393.95	173.44	32.101		
12,800.00	7,001.00	7,255.82	6,892.13	164.98	43.00	56.96	-6,934.29	-10,495.41	5,467.50	5,293.89	173.60	31.494		
12,900.00	7,001.00	7,259.30	6,895.61	166.34	43.01	57.60	-6,934.29	-10,495.50	5,367.62	5,193.84	173.78	30.888		
13,000.00	7,001.00	7,262.74	6,899.05	167.74	43.02	58.23	-6,934.28	-10,495.59	5,267.74	5,093.78	173.96	30.282		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 126-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,100.00	7,001.00	7,266.15	6,902.45	169.16	43.03	58.87	-6,934.27	-10,495.68	5,167.87	4,993.72	174.14	29.676		
13,200.00	7,001.00	7,269.52	6,905.82	170.61	43.04	59.51	-6,934.26	-10,495.77	5,067.99	4,893.66	174.34	29.070		
13,300.00	7,001.00	7,272.85	6,909.15	172.10	43.04	60.15	-6,934.26	-10,495.86	4,968.13	4,793.59	174.54	28.464		
13,400.00	7,001.00	7,276.15	6,912.44	173.61	43.05	60.79	-6,934.25	-10,495.94	4,868.26	4,693.52	174.75	27.859		
13,500.00	7,001.00	7,279.41	6,915.70	175.15	43.06	61.44	-6,934.25	-10,496.02	4,768.40	4,593.44	174.96	27.254		
13,600.00	7,001.00	7,282.63	6,918.93	176.72	43.07	62.08	-6,934.25	-10,496.10	4,668.54	4,493.36	175.19	26.649		
13,700.00	7,001.00	7,285.82	6,922.12	178.31	43.07	62.73	-6,934.24	-10,496.19	4,568.69	4,393.27	175.42	26.044		
13,800.00	7,001.00	7,288.98	6,925.27	179.94	43.08	63.37	-6,934.24	-10,496.26	4,468.85	4,293.18	175.66	25.440		
13,900.00	7,001.00	7,292.10	6,928.40	181.59	43.09	64.02	-6,934.24	-10,496.34	4,369.00	4,193.09	175.91	24.836		
14,000.00	7,001.00	7,295.20	6,931.49	183.26	43.10	64.66	-6,934.24	-10,496.42	4,269.17	4,092.99	176.18	24.232		
14,100.00	7,001.00	7,298.26	6,934.55	184.97	43.10	65.31	-6,934.24	-10,496.49	4,169.34	3,992.88	176.45	23.628		
14,200.00	7,001.00	7,301.28	6,937.58	186.70	43.11	65.95	-6,934.24	-10,496.57	4,069.51	3,892.77	176.74	23.025		
14,300.00	7,001.00	7,304.28	6,940.57	188.45	43.12	66.60	-6,934.24	-10,496.64	3,969.70	3,792.65	177.05	22.422		
14,400.00	7,001.00	7,307.25	6,943.54	190.23	43.12	67.24	-6,934.25	-10,496.71	3,869.89	3,692.53	177.36	21.819		
14,500.00	7,001.00	7,310.18	6,946.47	192.03	43.13	67.89	-6,934.25	-10,496.79	3,770.09	3,592.39	177.69	21.217		
14,600.00	7,001.00	7,313.09	6,949.38	193.86	43.14	68.53	-6,934.25	-10,496.86	3,670.30	3,492.25	178.04	20.615		
14,700.00	7,001.00	7,315.97	6,952.25	195.71	43.14	69.18	-6,934.26	-10,496.92	3,570.51	3,392.10	178.41	20.013		
14,800.00	7,001.00	7,318.82	6,955.10	197.58	43.15	69.82	-6,934.26	-10,496.99	3,470.74	3,291.94	178.80	19.411		
14,900.00	7,001.00	7,321.63	6,957.92	199.47	43.16	70.46	-6,934.27	-10,497.06	3,370.98	3,191.77	179.21	18.810		
15,000.00	7,001.00	7,324.43	6,960.71	201.39	43.16	71.10	-6,934.27	-10,497.12	3,271.24	3,091.59	179.64	18.210		
15,100.00	7,001.00	7,327.19	6,963.47	203.32	43.17	71.74	-6,934.28	-10,497.19	3,171.50	2,991.40	180.10	17.609		
15,200.00	7,001.00	7,329.93	6,966.21	205.28	43.18	72.37	-6,934.29	-10,497.25	3,071.78	2,891.19	180.59	17.010		
15,300.00	7,001.00	7,332.64	6,968.92	207.25	43.18	73.01	-6,934.29	-10,497.32	2,972.08	2,790.97	181.11	16.410		
15,400.00	7,001.00	7,335.32	6,971.60	209.25	43.19	73.64	-6,934.30	-10,497.38	2,872.40	2,690.74	181.66	15.812		
15,500.00	7,001.00	7,337.98	6,974.26	211.26	43.19	74.27	-6,934.31	-10,497.44	2,772.74	2,590.48	182.26	15.213		
15,600.00	7,001.00	7,340.61	6,976.89	213.30	43.20	74.90	-6,934.32	-10,497.50	2,673.10	2,490.21	182.89	14.616		
15,700.00	7,001.00	7,343.22	6,979.50	215.35	43.21	75.52	-6,934.33	-10,497.56	2,573.49	2,389.91	183.58	14.019		
15,800.00	7,001.00	7,345.80	6,982.08	217.42	43.21	76.15	-6,934.34	-10,497.62	2,473.90	2,289.59	184.31	13.422		
15,900.00	7,001.00	7,348.36	6,984.63	219.50	43.22	76.77	-6,934.34	-10,497.68	2,374.35	2,189.24	185.11	12.827		
16,000.00	7,001.00	7,350.89	6,987.17	221.60	43.22	77.39	-6,934.35	-10,497.73	2,274.83	2,088.86	185.97	12.232		
16,100.00	7,001.00	7,353.40	6,989.68	223.72	43.23	78.00	-6,934.37	-10,497.79	2,175.36	1,988.45	186.91	11.638		
16,200.00	7,001.00	7,356.07	6,992.35	225.85	43.24	78.66	-6,934.38	-10,497.85	2,075.93	1,888.00	187.94	11.046		
16,300.00	7,001.00	7,358.76	6,995.03	228.00	43.24	79.33	-6,934.39	-10,497.91	1,976.56	1,787.50	189.07	10.454		
16,400.00	7,001.00	7,361.40	6,997.67	230.16	43.25	79.98	-6,934.40	-10,497.96	1,877.26	1,686.95	190.31	9.864		
16,500.00	7,001.00	7,363.98	7,000.26	232.34	43.25	80.63	-6,934.42	-10,498.02	1,778.02	1,586.33	191.69	9.276		
16,600.00	7,001.00	7,366.53	7,002.80	234.53	43.26	81.27	-6,934.43	-10,498.08	1,678.88	1,485.65	193.23	8.689		
16,700.00	7,001.00	7,369.02	7,005.29	236.73	43.27	81.89	-6,934.44	-10,498.13	1,579.84	1,384.89	194.95	8.104		
16,800.00	7,001.00	7,371.47	7,007.74	238.95	43.27	82.51	-6,934.46	-10,498.18	1,480.92	1,284.02	196.90	7.521		
16,900.00	7,001.00	7,373.88	7,010.15	241.18	43.28	83.12	-6,934.48	-10,498.23	1,382.16	1,183.04	199.12	6.941		
17,000.00	7,001.00	7,376.25	7,012.52	243.42	43.28	83.72	-6,934.49	-10,498.28	1,283.58	1,081.92	201.67	6.365		
17,100.00	7,001.00	7,378.57	7,014.84	245.67	43.29	84.31	-6,934.51	-10,498.33	1,185.24	980.63	204.62	5.792		
17,200.00	7,001.00	7,380.86	7,017.13	247.93	43.30	84.90	-6,934.52	-10,498.37	1,087.20	879.12	208.08	5.225		
17,300.00	7,001.00	7,383.10	7,019.37	250.21	43.30	85.47	-6,934.54	-10,498.42	989.55	777.36	212.19	4.664		
17,400.00	7,001.00	7,385.31	7,021.58	252.50	43.31	86.04	-6,934.56	-10,498.46	892.41	675.28	217.13	4.110		
17,500.00	7,001.00	7,387.48	7,023.75	254.79	43.31	86.59	-6,934.57	-10,498.51	795.97	572.80	223.17	3.567		
17,600.00	7,001.00	7,389.62	7,025.89	257.10	43.32	87.14	-6,934.59	-10,498.55	700.53	469.84	230.69	3.037		
17,700.00	7,001.00	7,391.72	7,027.99	259.42	43.32	87.68	-6,934.61	-10,498.59	606.55	366.34	240.21	2.525		
17,800.00	7,001.00	7,393.78	7,030.05	261.74	43.33	88.21	-6,934.63	-10,498.63	514.84	262.39	252.45	2.039		
17,900.00	7,001.00	7,395.82	7,032.08	264.08	43.33	88.73	-6,934.65	-10,498.67	426.85	158.61	268.24	1.591		
18,000.00	7,001.00	7,397.82	7,034.08	266.42	43.34	89.25	-6,934.67	-10,498.71	345.46	57.67	287.79	1.200 Level 2		
18,100.00	7,001.00	7,399.78	7,036.05	268.78	43.34	89.76	-6,934.68	-10,498.74	276.53	-30.69	307.22	0.900 Level 1		
18,200.00	7,001.00	7,401.72	7,037.99	271.14	43.34	90.25	-6,934.70	-10,498.78	231.50	-77.60	309.10	0.749 Level 1, ES, SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 126-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
18,264.42	7,001.00	7,402.95	7,039.22	272.67	43.35	90.57	-6,934.71	-10,498.80	222.36	-64.79	287.15	0.774 Level 1, CC		
18,300.00	7,001.00	7,403.63	7,039.89	273.51	43.35	90.74	-6,934.72	-10,498.81	225.19	-41.46	266.65	0.845 Level 1		
18,400.00	7,001.00	7,405.50	7,041.77	275.89	43.35	91.23	-6,934.74	-10,498.85	260.42	61.92	198.50	1.312 Level 3		
18,500.00	7,001.00	7,407.35	7,043.61	278.27	43.36	91.70	-6,934.76	-10,498.88	323.92	176.74	147.18	2.201		
18,600.00	7,001.00	7,409.17	7,045.43	280.67	43.36	92.17	-6,934.78	-10,498.92	402.51	281.57	120.95	3.328		
18,700.00	7,001.00	7,410.96	7,047.22	283.07	43.37	92.63	-6,934.80	-10,498.95	488.98	377.22	111.77	4.375		
18,800.00	7,001.00	7,412.73	7,048.99	285.48	43.37	93.09	-6,934.82	-10,498.98	579.82	468.63	111.19	5.215		
18,900.00	7,001.00	7,414.46	7,050.73	287.89	43.38	93.53	-6,934.84	-10,499.01	673.25	559.25	114.00	5.906		
19,000.00	7,001.00	7,416.18	7,052.44	290.31	43.38	93.97	-6,934.86	-10,499.04	768.33	650.55	117.79	6.523		
19,100.00	7,001.00	7,417.86	7,054.12	292.74	43.38	94.41	-6,934.88	-10,499.07	864.52	742.91	121.62	7.109		
19,200.00	7,001.00	7,419.53	7,055.79	295.17	43.39	94.83	-6,934.90	-10,499.10	961.49	836.33	125.16	7.682		
19,300.00	7,001.00	7,421.16	7,057.42	297.61	43.39	95.25	-6,934.92	-10,499.13	1,059.01	930.68	128.34	8.252		
19,400.00	7,001.00	7,422.78	7,059.04	300.06	43.39	95.67	-6,934.93	-10,499.15	1,156.96	1,025.81	131.15	8.822		
19,500.00	7,001.00	7,424.37	7,060.63	302.51	43.40	96.07	-6,934.95	-10,499.18	1,255.23	1,121.60	133.63	9.393		
19,600.00	7,001.00	7,425.94	7,062.20	304.97	43.40	96.47	-6,934.97	-10,499.21	1,353.75	1,217.92	135.83	9.967		
19,700.00	7,001.00	7,427.48	7,063.74	307.43	43.41	96.87	-6,934.99	-10,499.23	1,452.47	1,314.69	137.78	10.542		
19,800.00	7,001.00	7,429.01	7,065.27	309.90	43.41	97.25	-6,935.01	-10,499.26	1,551.35	1,411.83	139.52	11.119		
19,900.00	7,001.00	7,430.51	7,066.77	312.38	43.41	97.64	-6,935.03	-10,499.28	1,650.37	1,509.29	141.08	11.698		
20,000.00	7,001.00	7,431.99	7,068.25	314.85	43.42	98.01	-6,935.05	-10,499.31	1,749.49	1,607.01	142.48	12.278		
20,100.00	7,001.00	7,433.46	7,069.71	317.34	43.42	98.38	-6,935.07	-10,499.33	1,848.71	1,704.96	143.75	12.860		
20,200.00	7,001.00	7,434.90	7,071.16	319.83	43.42	98.75	-6,935.09	-10,499.35	1,948.01	1,803.10	144.91	13.443		
20,300.00	7,001.00	7,436.32	7,072.58	322.32	43.43	99.11	-6,935.11	-10,499.38	2,047.38	1,901.41	145.96	14.027		
20,400.00	7,001.00	7,437.72	7,073.98	324.82	43.43	99.46	-6,935.13	-10,499.40	2,146.80	1,999.87	146.93	14.611		
20,500.00	7,001.00	7,439.11	7,075.36	327.32	43.43	99.81	-6,935.15	-10,499.42	2,246.27	2,098.46	147.81	15.197		
20,600.00	7,001.00	7,440.47	7,076.73	329.83	43.44	100.15	-6,935.17	-10,499.44	2,345.79	2,197.16	148.63	15.783		
20,700.00	7,001.00	7,441.82	7,078.08	332.34	43.44	100.49	-6,935.19	-10,499.46	2,445.35	2,295.96	149.39	16.369		
20,800.00	7,001.00	7,443.15	7,079.41	334.85	43.44	100.82	-6,935.21	-10,499.49	2,544.94	2,394.84	150.09	16.956		
20,900.00	7,001.00	7,444.47	7,080.72	337.37	43.45	101.15	-6,935.23	-10,499.51	2,644.56	2,493.81	150.75	17.543		
21,000.00	7,001.00	7,445.76	7,082.02	339.89	43.45	101.47	-6,935.25	-10,499.53	2,744.20	2,592.84	151.36	18.131		
21,100.00	7,001.00	7,447.04	7,083.30	342.42	43.45	101.79	-6,935.27	-10,499.54	2,843.87	2,691.94	151.93	18.718		
21,200.00	7,001.00	7,448.30	7,084.56	344.95	43.46	102.10	-6,935.29	-10,499.56	2,943.57	2,791.10	152.47	19.306		
21,300.00	7,001.00	7,449.55	7,085.81	347.48	43.46	102.41	-6,935.30	-10,499.58	3,043.28	2,890.31	152.97	19.894		
21,400.00	7,001.00	7,450.78	7,087.04	350.02	43.46	102.72	-6,935.32	-10,499.60	3,143.01	2,989.56	153.45	20.483		
21,500.00	7,001.00	7,452.00	7,088.25	352.56	43.46	103.02	-6,935.34	-10,499.62	3,242.75	3,088.86	153.90	21.071		
21,600.00	7,001.00	7,453.20	7,089.45	355.10	43.47	103.31	-6,935.36	-10,499.64	3,342.51	3,188.19	154.32	21.660		
21,700.00	7,001.00	7,454.39	7,090.64	357.65	43.47	103.60	-6,935.38	-10,499.65	3,442.29	3,287.56	154.72	22.248		
21,800.00	7,001.00	7,455.56	7,091.81	360.20	43.47	103.89	-6,935.40	-10,499.67	3,542.07	3,386.97	155.11	22.836		
21,818.56	7,001.00	7,455.77	7,092.02	360.67	43.47	103.94	-6,935.40	-10,499.67	3,560.59	3,405.42	155.17	22.946		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1577-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,300.00	4,421.89	17,476.00	7,264.97	75.02	281.41	89.54	-4,380.03	-11,175.20	10,081.46	9,981.61	99.86	100.961		
6,400.00	4,479.14	17,476.00	7,264.97	76.52	281.41	89.54	-4,380.03	-11,175.20	10,031.16	9,930.69	100.46	99.849		
6,500.00	4,536.39	17,476.00	7,264.97	78.02	281.41	89.54	-4,380.03	-11,175.20	9,981.60	9,880.42	101.17	98.659		
6,600.00	4,593.64	17,476.00	7,264.97	79.52	281.41	89.54	-4,380.03	-11,175.20	9,932.79	9,830.80	102.00	97.385		
6,700.00	4,650.90	17,476.00	7,264.97	81.03	281.41	89.54	-4,380.03	-11,175.20	9,884.77	9,781.82	102.94	96.022		
6,800.00	4,708.15	17,476.00	7,264.97	82.53	281.41	89.54	-4,380.03	-11,175.20	9,837.52	9,733.49	104.03	94.566		
6,900.00	4,765.40	17,476.00	7,264.97	84.03	281.41	89.54	-4,380.03	-11,175.20	9,791.06	9,685.80	105.26	93.017		
7,000.00	4,822.65	17,476.00	7,264.97	85.53	281.41	89.54	-4,380.03	-11,175.20	9,745.41	9,638.76	106.65	91.374		
7,100.00	4,879.90	17,476.00	7,264.97	87.04	281.41	89.54	-4,380.03	-11,175.20	9,700.58	9,592.37	108.21	89.643		
7,200.00	4,937.16	17,476.00	7,264.97	88.54	281.41	89.54	-4,380.03	-11,175.20	9,656.57	9,546.63	109.95	87.829		
7,300.00	4,994.41	17,476.00	7,264.97	90.04	281.41	89.54	-4,380.03	-11,175.20	9,613.40	9,501.55	111.86	85.942		
7,400.00	5,051.66	17,476.00	7,264.97	91.54	281.41	89.54	-4,380.03	-11,175.20	9,571.09	9,457.14	113.95	83.995		
7,500.00	5,108.91	17,476.00	7,264.97	93.05	281.41	89.54	-4,380.03	-11,175.20	9,529.63	9,413.42	116.21	82.001		
7,600.00	5,166.16	17,476.00	7,264.97	94.55	281.41	89.54	-4,380.03	-11,175.20	9,489.05	9,370.40	118.65	79.976		
7,700.00	5,223.42	17,476.00	7,264.97	96.05	281.41	89.54	-4,380.03	-11,175.20	9,449.35	9,328.10	121.25	77.933		
7,800.00	5,280.67	17,476.00	7,264.97	97.56	281.41	89.54	-4,380.03	-11,175.20	9,410.55	9,286.54	124.00	75.889		
7,900.00	5,337.92	17,476.00	7,264.97	99.06	281.41	89.54	-4,380.03	-11,175.20	9,372.65	9,245.74	126.90	73.856		
8,000.00	5,395.17	17,476.00	7,264.97	100.56	281.41	89.54	-4,380.03	-11,175.20	9,335.67	9,205.73	129.94	71.846		
8,100.00	5,452.42	17,476.00	7,264.97	102.07	281.41	89.54	-4,380.03	-11,175.20	9,299.62	9,166.52	133.10	69.871		
8,200.00	5,509.68	17,476.00	7,264.97	103.57	281.41	89.54	-4,380.03	-11,175.20	9,264.50	9,128.13	136.37	67.937		
8,300.00	5,566.93	17,476.00	7,264.97	105.08	281.41	89.54	-4,380.03	-11,175.20	9,230.34	9,090.60	139.74	66.052		
8,400.00	5,624.18	17,476.00	7,264.97	106.58	281.41	89.54	-4,380.03	-11,175.20	9,197.14	9,053.93	143.21	64.221		
8,500.00	5,681.43	17,476.00	7,264.97	108.08	281.41	89.54	-4,380.03	-11,175.20	9,164.91	9,018.14	146.76	62.447		
8,600.00	5,738.68	17,476.00	7,264.97	109.59	281.41	89.54	-4,380.03	-11,175.20	9,133.66	8,983.26	150.39	60.732		
8,700.00	5,795.93	17,476.00	7,264.97	111.09	281.41	89.54	-4,380.03	-11,175.20	9,103.40	8,949.31	154.09	59.079		
8,800.00	5,853.19	17,476.00	7,264.97	112.60	281.41	89.54	-4,380.03	-11,175.20	9,074.14	8,916.29	157.85	57.488		
8,900.00	5,910.44	17,476.00	7,264.97	114.10	281.41	89.54	-4,380.03	-11,175.20	9,045.89	8,884.23	161.66	55.957		
9,000.00	5,967.69	17,476.00	7,264.97	115.60	281.41	89.54	-4,380.03	-11,175.20	9,018.67	8,853.15	165.52	54.488		
9,100.00	6,024.94	17,476.00	7,264.97	117.11	281.41	89.54	-4,380.03	-11,175.20	8,992.47	8,823.05	169.42	53.078		
9,200.00	6,082.19	17,476.00	7,264.97	118.61	281.41	89.54	-4,380.03	-11,175.20	8,967.31	8,793.95	173.36	51.726		
9,300.00	6,139.45	17,476.00	7,264.97	120.12	281.41	89.54	-4,380.03	-11,175.20	8,943.20	8,765.86	177.34	50.431		
9,400.00	6,196.70	17,476.00	7,264.97	121.62	281.41	89.54	-4,380.03	-11,175.20	8,920.14	8,738.80	181.34	49.190		
9,500.00	6,253.95	17,476.00	7,264.97	123.13	281.41	89.54	-4,380.03	-11,175.20	8,898.15	8,712.79	185.37	48.003		
9,600.00	6,311.20	17,476.00	7,264.97	124.63	281.41	89.54	-4,380.03	-11,175.20	8,877.23	8,687.82	189.42	46.866		
9,700.00	6,368.45	17,476.00	7,264.97	126.13	281.41	89.54	-4,380.03	-11,175.20	8,857.40	8,663.91	193.48	45.779		
9,800.00	6,425.71	17,476.00	7,264.97	127.64	281.41	89.54	-4,380.03	-11,175.20	8,838.64	8,641.08	197.56	44.738		
9,900.00	6,482.96	17,476.00	7,264.97	129.14	281.41	89.54	-4,380.03	-11,175.20	8,820.99	8,619.33	201.65	43.744		
10,000.00	6,540.21	17,476.00	7,264.97	130.65	281.41	89.54	-4,380.03	-11,175.20	8,804.43	8,598.68	205.75	42.792		
10,100.00	6,597.46	17,476.00	7,264.97	132.15	281.41	89.54	-4,380.03	-11,175.20	8,788.98	8,579.13	209.85	41.882		
10,200.00	6,654.71	17,476.00	7,264.97	133.66	281.41	89.54	-4,380.03	-11,175.20	8,774.64	8,560.69	213.95	41.012		
10,300.00	6,711.97	17,476.00	7,264.97	135.16	281.41	89.54	-4,380.03	-11,175.20	8,761.42	8,543.36	218.05	40.180		
10,400.00	6,769.19	17,476.00	7,264.97	136.67	281.41	88.79	-4,380.03	-11,175.20	8,749.21	8,527.06	222.15	39.384		
10,500.00	6,824.05	17,476.00	7,264.97	138.22	281.41	83.01	-4,380.03	-11,175.20	8,727.91	8,501.65	226.26	38.574		
10,600.00	6,873.81	17,476.00	7,264.97	139.81	281.41	78.64	-4,380.03	-11,175.20	8,691.43	8,461.11	230.32	37.736		
10,700.00	6,916.95	17,476.00	7,264.97	141.38	281.41	75.91	-4,380.03	-11,175.20	8,640.70	8,406.49	234.21	36.893		
10,800.00	6,952.17	17,476.00	7,264.97	142.87	281.41	75.09	-4,380.03	-11,175.20	8,577.01	8,339.21	237.80	36.068		
10,900.00	6,978.39	17,476.00	7,264.97	144.24	281.41	76.71	-4,380.03	-11,175.20	8,502.04	8,261.04	241.00	35.278		
11,000.00	6,994.82	17,476.00	7,264.97	145.43	281.41	82.05	-4,380.03	-11,175.20	8,417.80	8,174.09	243.71	34.541		
11,100.00	7,000.96	17,476.00	7,264.97	146.41	281.41	94.35	-4,380.03	-11,175.20	8,326.59	8,080.78	245.82	33.873		
11,200.00	7,001.00	17,476.00	7,264.97	147.26	281.41	95.94	-4,380.03	-11,175.20	8,232.46	7,984.90	247.56	33.254		
11,300.00	7,001.00	17,476.00	7,264.97	148.14	281.41	95.94	-4,380.03	-11,175.20	8,138.46	7,889.11	249.35	32.639		
11,400.00	7,001.00	17,476.00	7,264.97	149.06	281.41	95.94	-4,380.03	-11,175.20	8,044.59	7,793.41	251.18	32.027		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1577-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,500.00	7,001.00	17,476.00	7,264.97	150.00	281.41	95.94	-4,380.03	-11,175.20	7,950.88	7,697.83	253.05	31.420		
11,600.00	7,001.00	17,476.00	7,264.97	150.97	281.41	95.94	-4,380.03	-11,175.20	7,857.32	7,602.36	254.96	30.817		
11,700.00	7,001.00	17,476.00	7,264.97	151.97	281.41	95.94	-4,380.03	-11,175.20	7,763.92	7,507.00	256.92	30.219		
11,800.00	7,001.00	17,476.00	7,264.97	153.00	281.41	95.94	-4,380.03	-11,175.20	7,670.69	7,411.76	258.93	29.624		
11,900.00	7,001.00	17,476.00	7,264.97	154.06	281.41	95.94	-4,380.03	-11,175.20	7,577.63	7,316.65	260.99	29.034		
12,000.00	7,001.00	17,476.00	7,264.97	155.15	281.41	95.94	-4,380.03	-11,175.20	7,484.75	7,221.66	263.09	28.449		
12,100.00	7,001.00	17,476.00	7,264.97	156.27	281.41	95.94	-4,380.03	-11,175.20	7,392.06	7,126.81	265.25	27.868		
12,200.00	7,001.00	17,476.00	7,264.97	157.43	281.41	95.94	-4,380.03	-11,175.20	7,299.56	7,032.10	267.46	27.292		
12,300.00	7,001.00	17,476.00	7,264.97	158.61	281.41	95.94	-4,380.03	-11,175.20	7,207.26	6,937.53	269.73	26.721		
12,400.00	7,001.00	17,476.00	7,264.97	159.82	281.41	95.94	-4,380.03	-11,175.20	7,115.17	6,843.12	272.05	26.154		
12,500.00	7,001.00	17,476.00	7,264.97	161.07	281.41	95.94	-4,380.03	-11,175.20	7,023.29	6,748.86	274.43	25.592		
12,600.00	7,001.00	17,476.00	7,264.97	162.34	281.41	95.94	-4,380.03	-11,175.20	6,931.64	6,654.77	276.87	25.036		
12,700.00	7,001.00	17,476.00	7,264.97	163.64	281.41	95.94	-4,380.03	-11,175.20	6,840.22	6,560.85	279.37	24.484		
12,800.00	7,001.00	17,476.00	7,264.97	164.98	281.41	95.94	-4,380.03	-11,175.20	6,749.05	6,467.11	281.94	23.938		
12,900.00	7,001.00	17,476.00	7,264.97	166.34	281.41	95.94	-4,380.03	-11,175.20	6,658.13	6,373.55	284.57	23.397		
13,000.00	7,001.00	17,476.00	7,264.97	167.74	281.41	95.94	-4,380.03	-11,175.20	6,567.47	6,280.20	287.27	22.861		
13,100.00	7,001.00	17,476.00	7,264.97	169.16	281.41	95.94	-4,380.03	-11,175.20	6,477.09	6,187.04	290.04	22.331		
13,200.00	7,001.00	17,476.00	7,264.97	170.61	281.41	95.94	-4,380.03	-11,175.20	6,386.99	6,094.10	292.89	21.807		
13,300.00	7,001.00	17,476.00	7,264.97	172.10	281.41	95.94	-4,380.03	-11,175.20	6,297.20	6,001.39	295.81	21.288		
13,400.00	7,001.00	17,476.00	7,264.97	173.61	281.41	95.94	-4,380.03	-11,175.20	6,207.71	5,908.91	298.80	20.775		
13,500.00	7,001.00	17,476.00	7,264.97	175.15	281.41	95.94	-4,380.03	-11,175.20	6,118.56	5,816.67	301.88	20.268		
13,600.00	7,001.00	17,476.00	7,264.97	176.72	281.41	95.94	-4,380.03	-11,175.20	6,029.74	5,724.70	305.04	19.767		
13,700.00	7,001.00	17,476.00	7,264.97	178.31	281.41	95.94	-4,380.03	-11,175.20	5,941.28	5,632.99	308.28	19.272		
13,800.00	7,001.00	17,476.00	7,264.97	179.94	281.41	95.94	-4,380.03	-11,175.20	5,853.18	5,541.57	311.61	18.784		
13,900.00	7,001.00	17,476.00	7,264.97	181.59	281.41	95.94	-4,380.03	-11,175.20	5,765.48	5,450.45	315.03	18.301		
14,000.00	7,001.00	17,476.00	7,264.97	183.26	281.41	95.94	-4,380.03	-11,175.20	5,678.18	5,359.64	318.54	17.825		
14,100.00	7,001.00	17,476.00	7,264.97	184.97	281.41	95.94	-4,380.03	-11,175.20	5,591.31	5,269.16	322.15	17.356		
14,200.00	7,001.00	17,476.00	7,264.97	186.70	281.41	95.94	-4,380.03	-11,175.20	5,504.89	5,179.03	325.86	16.894		
14,300.00	7,001.00	17,476.00	7,264.97	188.45	281.41	95.94	-4,380.03	-11,175.20	5,418.93	5,089.27	329.66	16.438		
14,400.00	7,001.00	17,476.00	7,264.97	190.23	281.41	95.94	-4,380.03	-11,175.20	5,333.46	4,999.89	333.57	15.989		
14,500.00	7,001.00	17,476.00	7,264.97	192.03	281.41	95.94	-4,380.03	-11,175.20	5,248.51	4,910.93	337.58	15.547		
14,600.00	7,001.00	17,476.00	7,264.97	193.86	281.41	95.94	-4,380.03	-11,175.20	5,164.09	4,822.39	341.70	15.113		
14,700.00	7,001.00	17,476.00	7,264.97	195.71	281.41	95.94	-4,380.03	-11,175.20	5,080.24	4,734.31	345.94	14.685		
14,800.00	7,001.00	17,476.00	7,264.97	197.58	281.41	95.94	-4,380.03	-11,175.20	4,996.99	4,646.71	350.28	14.266		
14,900.00	7,001.00	17,476.00	7,264.97	199.47	281.41	95.94	-4,380.03	-11,175.20	4,914.36	4,559.61	354.74	13.853		
15,000.00	7,001.00	17,476.00	7,264.97	201.39	281.41	95.94	-4,380.03	-11,175.20	4,832.38	4,473.06	359.32	13.449		
15,100.00	7,001.00	17,476.00	7,264.97	203.32	281.41	95.94	-4,380.03	-11,175.20	4,751.10	4,387.08	364.02	13.052		
15,200.00	7,001.00	17,476.00	7,264.97	205.28	281.41	95.94	-4,380.03	-11,175.20	4,670.54	4,301.71	368.83	12.663		
15,300.00	7,001.00	17,476.00	7,264.97	207.25	281.41	95.94	-4,380.03	-11,175.20	4,590.74	4,216.97	373.77	12.282		
15,400.00	7,001.00	17,476.00	7,264.97	209.25	281.41	95.94	-4,380.03	-11,175.20	4,511.76	4,132.92	378.83	11.910		
15,500.00	7,001.00	17,476.00	7,264.97	211.26	281.41	95.94	-4,380.03	-11,175.20	4,433.62	4,049.60	384.02	11.545		
15,600.00	7,001.00	17,476.00	7,264.97	213.30	281.41	95.94	-4,380.03	-11,175.20	4,356.37	3,967.05	389.33	11.190		
15,700.00	7,001.00	17,476.00	7,264.97	215.35	281.41	95.94	-4,380.03	-11,175.20	4,280.07	3,885.31	394.75	10.842		
15,800.00	7,001.00	17,476.00	7,264.97	217.42	281.41	95.94	-4,380.03	-11,175.20	4,204.76	3,804.45	400.30	10.504		
15,900.00	7,001.00	17,476.00	7,264.97	219.50	281.41	95.94	-4,380.03	-11,175.20	4,130.50	3,724.53	405.97	10.174		
16,000.00	7,001.00	17,476.00	7,264.97	221.60	281.41	95.94	-4,380.03	-11,175.20	4,057.34	3,645.59	411.75	9.854		
16,100.00	7,001.00	17,476.00	7,264.97	223.72	281.41	95.94	-4,380.03	-11,175.20	3,985.35	3,567.71	417.65	9.542		
16,200.00	7,001.00	17,476.00	7,264.97	225.85	281.41	95.94	-4,380.03	-11,175.20	3,914.59	3,490.95	423.64	9.240		
16,300.00	7,001.00	17,476.00	7,264.97	228.00	281.41	95.94	-4,380.03	-11,175.20	3,845.13	3,415.40	429.74	8.948		
16,400.00	7,001.00	17,476.00	7,264.97	230.16	281.41	95.94	-4,380.03	-11,175.20	3,777.05	3,341.12	435.92	8.665		
16,500.00	7,001.00	17,476.00	7,264.97	232.34	281.41	95.94	-4,380.03	-11,175.20	3,710.40	3,268.22	442.18	8.391		
16,600.00	7,001.00	17,476.00	7,264.97	234.53	281.41	95.94	-4,380.03	-11,175.20	3,645.28	3,196.78	448.51	8.128		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1577-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,700.00	7,001.00	17,476.00	7,264.97	236.73	281.41	95.94	-4,380.03	-11,175.20	3,581.77	3,126.89	454.88	7.874		
16,800.00	7,001.00	17,476.00	7,264.97	238.95	281.41	95.94	-4,380.03	-11,175.20	3,519.96	3,058.67	461.29	7.631		
16,900.00	7,001.00	17,476.00	7,264.97	241.18	281.41	95.94	-4,380.03	-11,175.20	3,459.93	2,992.21	467.72	7.397		
17,000.00	7,001.00	17,476.00	7,264.97	243.42	281.41	95.94	-4,380.03	-11,175.20	3,401.78	2,927.65	474.13	7.175		
17,100.00	7,001.00	17,476.00	7,264.97	245.67	281.41	95.94	-4,380.03	-11,175.20	3,345.62	2,865.10	480.52	6.963		
17,200.00	7,001.00	17,476.00	7,264.97	247.93	281.41	95.94	-4,380.03	-11,175.20	3,291.53	2,804.69	486.84	6.761		
17,300.00	7,001.00	17,476.00	7,264.97	250.21	281.41	95.94	-4,380.03	-11,175.20	3,239.63	2,746.55	493.07	6.570		
17,400.00	7,001.00	17,476.00	7,264.97	252.50	281.41	95.94	-4,380.03	-11,175.20	3,190.01	2,690.83	499.18	6.390		
17,500.00	7,001.00	17,476.00	7,264.97	254.79	281.41	95.94	-4,380.03	-11,175.20	3,142.80	2,637.67	505.13	6.222		
17,600.00	7,001.00	17,476.00	7,264.97	257.10	281.41	95.94	-4,380.03	-11,175.20	3,098.10	2,587.22	510.88	6.064		
17,700.00	7,001.00	17,476.00	7,264.97	259.42	281.41	95.94	-4,380.03	-11,175.20	3,056.01	2,539.62	516.39	5.918		
17,800.00	7,001.00	17,476.00	7,264.97	261.74	281.41	95.94	-4,380.03	-11,175.20	3,016.66	2,495.04	521.62	5.783		
17,900.00	7,001.00	17,476.00	7,264.97	264.08	281.41	95.94	-4,380.03	-11,175.20	2,980.14	2,453.63	526.52	5.660		
18,000.00	7,001.00	17,476.00	7,264.97	266.42	281.41	95.94	-4,380.03	-11,175.20	2,946.57	2,415.52	531.04	5.549		
18,100.00	7,001.00	17,476.00	7,264.97	268.78	281.41	95.94	-4,380.03	-11,175.20	2,916.04	2,380.88	535.16	5.449		
18,200.00	7,001.00	17,476.00	7,264.97	271.14	281.41	95.94	-4,380.03	-11,175.20	2,888.65	2,349.84	538.81	5.361		
18,300.00	7,001.00	17,476.00	7,264.97	273.51	281.41	95.94	-4,380.03	-11,175.20	2,864.49	2,322.53	541.96	5.285		
18,400.00	7,001.00	17,476.00	7,264.97	275.89	281.41	95.94	-4,380.03	-11,175.20	2,843.64	2,299.07	544.57	5.222		
18,500.00	7,001.00	17,476.00	7,264.97	278.27	281.41	95.94	-4,380.03	-11,175.20	2,826.18	2,279.58	546.61	5.170		
18,600.00	7,001.00	17,476.00	7,264.97	280.67	281.41	95.94	-4,380.03	-11,175.20	2,812.18	2,264.14	548.04	5.131		
18,700.00	7,001.00	17,476.00	7,264.97	283.07	281.41	95.94	-4,380.03	-11,175.20	2,801.67	2,252.82	548.84	5.105		
18,800.00	7,001.00	17,476.00	7,264.97	285.48	281.41	95.94	-4,380.03	-11,175.20	2,794.70	2,245.70	549.00	5.091		
18,900.00	7,001.00	17,417.86	7,264.54	287.89	279.84	95.94	-4,382.05	-11,233.31	2,790.70	2,241.84	548.85	5.085		
19,000.00	7,001.00	17,352.42	7,264.02	290.31	278.07	95.93	-4,383.92	-11,298.72	2,787.62	2,238.98	548.64	5.081		
19,100.00	7,001.00	17,267.05	7,263.47	292.74	275.76	95.92	-4,385.57	-11,384.07	2,785.46	2,236.95	548.51	5.078		
19,200.00	7,001.00	17,143.64	7,264.35	295.17	272.42	95.95	-4,388.57	-11,507.43	2,782.93	2,234.32	548.61	5.073		
19,300.00	7,001.00	17,053.07	7,265.14	297.61	269.98	95.97	-4,390.93	-11,597.98	2,780.27	2,231.76	548.50	5.069		
19,400.00	7,001.00	16,965.42	7,265.50	300.06	267.61	95.98	-4,392.70	-11,685.61	2,778.13	2,229.75	548.38	5.066		
19,500.00	7,001.00	16,872.27	7,264.78	302.51	265.09	95.97	-4,394.40	-11,778.73	2,776.09	2,227.79	548.30	5.063		
19,600.00	7,001.00	16,800.00	7,263.41	304.97	263.13	95.94	-4,394.88	-11,850.99	2,775.00	2,226.95	548.05	5.063		
19,639.45	7,001.00	16,782.73	7,263.03	305.94	262.66	95.94	-4,394.84	-11,868.26	2,774.90	2,227.08	547.82	5.065		
19,700.00	7,001.00	16,744.19	7,262.47	307.43	261.62	95.93	-4,394.54	-11,906.79	2,775.18	2,227.62	547.55	5.068		
19,800.00	7,001.00	16,659.39	7,261.83	309.90	259.32	95.91	-4,393.15	-11,991.57	2,776.53	2,229.20	547.33	5.073		
19,900.00	7,001.00	16,495.30	7,254.22	312.38	254.88	95.75	-4,391.23	-12,155.45	2,777.25	2,229.14	548.11	5.067		
20,000.00	7,001.00	16,363.85	7,240.14	314.85	251.34	95.46	-4,392.56	-12,286.13	2,774.78	2,226.28	548.50	5.059		
20,100.00	7,001.00	16,297.04	7,232.38	317.34	249.55	95.30	-4,392.66	-12,352.48	2,773.38	2,225.08	548.30	5.058		
20,149.55	7,001.00	16,263.93	7,228.58	318.57	248.66	95.23	-4,392.43	-12,385.37	2,773.13	2,224.96	548.17	5.059		
20,200.00	7,001.00	16,228.80	7,224.59	319.83	247.71	95.14	-4,391.97	-12,420.27	2,773.18	2,225.15	548.03	5.060		
20,300.00	7,001.00	16,119.82	7,213.05	322.32	244.78	94.90	-4,390.41	-12,528.63	2,773.53	2,225.30	548.22	5.059		
20,400.00	7,001.00	16,005.30	7,204.56	324.82	241.68	94.73	-4,390.23	-12,642.82	2,772.84	2,224.41	548.43	5.056		
20,438.00	7,001.00	15,979.81	7,203.33	325.77	240.99	94.70	-4,390.15	-12,668.28	2,772.75	2,224.45	548.30	5.057		
20,500.00	7,001.00	15,917.33	7,201.18	327.32	239.30	94.66	-4,389.70	-12,730.73	2,772.92	2,224.61	548.31	5.057		
20,600.00	7,001.00	15,777.36	7,198.46	329.83	235.52	94.60	-4,390.62	-12,870.66	2,771.85	2,223.17	548.69	5.052		
20,700.00	7,001.00	15,672.93	7,195.76	332.34	232.69	94.55	-4,391.94	-12,975.04	2,770.23	2,221.50	548.73	5.048		
20,800.00	7,001.00	15,543.04	7,189.32	334.85	229.19	94.42	-4,394.77	-13,104.74	2,767.33	2,218.37	548.96	5.041		
20,900.00	7,001.00	15,476.00	7,186.33	337.37	227.38	94.36	-4,395.50	-13,171.71	2,765.57	2,216.82	548.75	5.040 ES, SF		
20,963.00	7,001.00	15,455.79	7,185.52	338.96	226.83	94.35	-4,395.45	-13,191.90	2,765.22	2,216.87	548.35	5.043 CC		
21,000.00	7,001.00	15,434.71	7,184.76	339.89	226.26	94.33	-4,395.29	-13,212.97	2,765.34	2,217.17	548.17	5.045		
21,100.00	7,001.00	15,373.34	7,183.06	342.42	224.60	94.29	-4,394.18	-13,274.30	2,766.74	2,219.08	547.66	5.052		
21,200.00	7,001.00	15,261.68	7,181.93	344.95	221.57	94.27	-4,391.94	-13,385.93	2,768.50	2,220.69	547.81	5.054		
21,300.00	7,001.00	15,166.55	7,179.55	347.48	219.00	94.21	-4,390.05	-13,481.01	2,770.13	2,222.38	547.75	5.057		
21,400.00	7,001.00	15,012.58	7,173.73	350.02	214.83	94.09	-4,387.14	-13,634.84	2,771.94	2,223.51	548.43	5.054		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 5-T6N-R67W - MICKEY 10 - ORIGINAL WELLBORE - WB # 1 - Patterson 346												Offset Site Error:	0.00 usft
Survey Program: 1577-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
21,444.11	7,001.00	14,973.07	7,172.21	351.14	213.76	94.06	-4,387.05	-13,674.31	2,771.85	2,223.46	548.38	5.055	
21,500.00	7,001.00	14,932.10	7,170.32	352.56	212.66	94.02	-4,386.74	-13,715.24	2,772.00	2,223.77	548.23	5.056	
21,600.00	7,001.00	14,856.86	7,166.76	355.10	210.62	93.95	-4,385.61	-13,790.39	2,773.00	2,225.07	547.93	5.061	
21,700.00	7,001.00	14,682.37	7,161.55	357.65	205.90	93.84	-4,383.69	-13,964.77	2,774.22	2,225.46	548.75	5.055	
21,800.00	7,001.00	14,541.68	7,155.01	360.20	202.11	93.70	-4,386.04	-14,105.28	2,772.01	2,222.94	549.07	5.049	
21,818.56	7,001.00	14,531.00	7,154.48	360.67	201.82	93.69	-4,386.28	-14,115.95	2,771.52	2,222.50	549.03	5.048	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1576-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,200.00	4,364.64	17,312.00	7,020.41	73.52	282.00	87.65	-4,542.31	-11,163.76	10,066.34	9,965.78	100.56	100.104		
6,300.00	4,421.89	17,312.00	7,020.41	75.02	282.00	87.65	-4,542.31	-11,163.76	10,015.16	9,914.35	100.81	99.349		
6,400.00	4,479.14	17,312.00	7,020.41	76.52	282.00	87.65	-4,542.31	-11,163.76	9,964.72	9,863.60	101.12	98.542		
6,500.00	4,536.39	17,312.00	7,020.41	78.02	282.00	87.65	-4,542.31	-11,163.76	9,915.03	9,813.52	101.51	97.675		
6,600.00	4,593.64	17,312.00	7,020.41	79.52	282.00	87.65	-4,542.31	-11,163.76	9,866.11	9,764.12	101.99	96.740		
6,700.00	4,650.90	17,312.00	7,020.41	81.03	282.00	87.65	-4,542.31	-11,163.76	9,817.96	9,715.40	102.56	95.727		
6,800.00	4,708.15	17,312.00	7,020.41	82.53	282.00	87.65	-4,542.31	-11,163.76	9,770.60	9,667.34	103.25	94.630		
6,900.00	4,765.40	17,312.00	7,020.41	84.03	282.00	87.65	-4,542.31	-11,163.76	9,724.03	9,619.96	104.07	93.439		
7,000.00	4,822.65	17,312.00	7,020.41	85.53	282.00	87.65	-4,542.31	-11,163.76	9,678.28	9,573.25	105.03	92.148		
7,100.00	4,879.90	17,312.00	7,020.41	87.04	282.00	87.65	-4,542.31	-11,163.76	9,633.34	9,527.19	106.15	90.752		
7,200.00	4,937.16	17,312.00	7,020.41	88.54	282.00	87.65	-4,542.31	-11,163.76	9,589.24	9,481.79	107.44	89.249		
7,300.00	4,994.41	17,312.00	7,020.41	90.04	282.00	87.65	-4,542.31	-11,163.76	9,545.98	9,437.06	108.92	87.640		
7,400.00	5,051.66	17,312.00	7,020.41	91.54	282.00	87.65	-4,542.31	-11,163.76	9,503.58	9,392.98	110.60	85.931		
7,500.00	5,108.91	17,312.00	7,020.41	93.05	282.00	87.65	-4,542.31	-11,163.76	9,462.04	9,349.57	112.47	84.131		
7,600.00	5,166.16	17,312.00	7,020.41	94.55	282.00	87.65	-4,542.31	-11,163.76	9,421.38	9,306.84	114.54	82.253		
7,700.00	5,223.42	17,312.00	7,020.41	96.05	282.00	87.65	-4,542.31	-11,163.76	9,381.61	9,264.80	116.81	80.312		
7,800.00	5,280.67	17,312.00	7,020.41	97.56	282.00	87.65	-4,542.31	-11,163.76	9,342.75	9,223.47	119.28	78.326		
7,900.00	5,337.92	17,312.00	7,020.41	99.06	282.00	87.65	-4,542.31	-11,163.76	9,304.79	9,182.86	121.93	76.314		
8,000.00	5,395.17	17,312.00	7,020.41	100.56	282.00	87.65	-4,542.31	-11,163.76	9,267.76	9,143.01	124.75	74.293		
8,100.00	5,452.42	17,312.00	7,020.41	102.07	282.00	87.65	-4,542.31	-11,163.76	9,231.66	9,103.94	127.72	72.279		
8,200.00	5,509.68	17,312.00	7,020.41	103.57	282.00	87.65	-4,542.31	-11,163.76	9,196.51	9,065.67	130.84	70.286		
8,300.00	5,566.93	17,312.00	7,020.41	105.08	282.00	87.65	-4,542.31	-11,163.76	9,162.32	9,028.23	134.09	68.327		
8,400.00	5,624.18	17,312.00	7,020.41	106.58	282.00	87.65	-4,542.31	-11,163.76	9,129.09	8,991.63	137.46	66.411		
8,500.00	5,681.43	17,312.00	7,020.41	108.08	282.00	87.65	-4,542.31	-11,163.76	9,096.84	8,955.91	140.94	64.546		
8,600.00	5,738.68	17,312.00	7,020.41	109.59	282.00	87.65	-4,542.31	-11,163.76	9,065.58	8,921.08	144.50	62.737		
8,700.00	5,795.93	17,312.00	7,020.41	111.09	282.00	87.65	-4,542.31	-11,163.76	9,035.32	8,887.17	148.15	60.987		
8,800.00	5,853.19	17,312.00	7,020.41	112.60	282.00	87.65	-4,542.31	-11,163.76	9,006.07	8,854.19	151.88	59.299		
8,900.00	5,910.44	17,312.00	7,020.41	114.10	282.00	87.65	-4,542.31	-11,163.76	8,977.84	8,822.17	155.66	57.674		
9,000.00	5,967.69	17,312.00	7,020.41	115.60	282.00	87.65	-4,542.31	-11,163.76	8,950.63	8,791.12	159.51	56.113		
9,100.00	6,024.94	17,312.00	7,020.41	117.11	282.00	87.65	-4,542.31	-11,163.76	8,924.46	8,761.06	163.41	54.615		
9,200.00	6,082.19	17,312.00	7,020.41	118.61	282.00	87.65	-4,542.31	-11,163.76	8,899.34	8,731.99	167.35	53.179		
9,300.00	6,139.45	17,312.00	7,020.41	120.12	282.00	87.65	-4,542.31	-11,163.76	8,875.27	8,703.95	171.33	51.803		
9,400.00	6,196.70	17,312.00	7,020.41	121.62	282.00	87.65	-4,542.31	-11,163.76	8,852.27	8,676.93	175.34	50.487		
9,500.00	6,253.95	17,312.00	7,020.41	123.13	282.00	87.65	-4,542.31	-11,163.76	8,830.34	8,650.96	179.38	49.227		
9,600.00	6,311.20	17,312.00	7,020.41	124.63	282.00	87.65	-4,542.31	-11,163.76	8,809.50	8,626.05	183.44	48.023		
9,700.00	6,368.45	17,312.00	7,020.41	126.13	282.00	87.65	-4,542.31	-11,163.76	8,789.74	8,602.21	187.53	46.872		
9,800.00	6,425.71	17,312.00	7,020.41	127.64	282.00	87.65	-4,542.31	-11,163.76	8,771.07	8,579.44	191.63	45.772		
9,900.00	6,482.96	17,312.00	7,020.41	129.14	282.00	87.65	-4,542.31	-11,163.76	8,753.51	8,557.77	195.74	44.721		
10,000.00	6,540.21	17,312.00	7,020.41	130.65	282.00	87.65	-4,542.31	-11,163.76	8,737.06	8,537.20	199.86	43.716		
10,100.00	6,597.46	17,312.00	7,020.41	132.15	282.00	87.65	-4,542.31	-11,163.76	8,721.72	8,517.74	203.98	42.757		
10,200.00	6,654.71	17,312.00	7,020.41	133.66	282.00	87.65	-4,542.31	-11,163.76	8,707.50	8,499.39	208.11	41.840		
10,300.00	6,711.97	17,312.00	7,020.41	135.16	282.00	87.65	-4,542.31	-11,163.76	8,694.42	8,482.18	212.24	40.965		
10,400.00	6,769.19	17,312.00	7,020.41	136.67	282.00	86.89	-4,542.31	-11,163.76	8,682.35	8,465.98	216.36	40.129		
10,500.00	6,824.05	17,312.00	7,020.41	138.22	282.00	81.04	-4,542.31	-11,163.76	8,661.13	8,440.63	220.50	39.280		
10,600.00	6,873.81	17,312.00	7,020.41	139.81	282.00	76.54	-4,542.31	-11,163.76	8,624.61	8,400.05	224.56	38.406		
10,700.00	6,916.95	17,312.00	7,020.41	141.38	282.00	73.59	-4,542.31	-11,163.76	8,573.72	8,345.28	228.45	37.531		
10,800.00	6,952.17	17,312.00	7,020.41	142.87	282.00	72.44	-4,542.31	-11,163.76	8,509.77	8,277.74	232.03	36.676		
10,900.00	6,978.39	17,312.00	7,020.41	144.24	282.00	73.55	-4,542.31	-11,163.76	8,434.42	8,199.22	235.20	35.861		
11,000.00	6,994.82	17,312.00	7,020.41	145.43	282.00	78.12	-4,542.31	-11,163.76	8,349.68	8,111.82	237.86	35.104		
11,100.00	7,000.96	17,312.00	7,020.41	146.41	282.00	89.45	-4,542.31	-11,163.76	8,257.89	8,017.97	239.91	34.420		
11,200.00	7,001.00	17,312.00	7,020.41	147.26	282.00	90.97	-4,542.31	-11,163.76	8,163.11	7,921.50	241.60	33.787		
11,300.00	7,001.00	17,312.00	7,020.41	148.14	282.00	90.97	-4,542.31	-11,163.76	8,068.44	7,825.11	243.33	33.158		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1576-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,400.00	7,001.00	17,312.00	7,020.41	149.06	282.00	90.97	-4,542.31	-11,163.76	7,973.90	7,728.80	245.10	32.534		
11,500.00	7,001.00	17,312.00	7,020.41	150.00	282.00	90.97	-4,542.31	-11,163.76	7,879.49	7,632.59	246.91	31.913		
11,600.00	7,001.00	17,312.00	7,020.41	150.97	282.00	90.97	-4,542.31	-11,163.76	7,785.23	7,536.47	248.76	31.296		
11,700.00	7,001.00	17,312.00	7,020.41	151.97	282.00	90.97	-4,542.31	-11,163.76	7,691.11	7,440.45	250.66	30.684		
11,800.00	7,001.00	17,312.00	7,020.41	153.00	282.00	90.97	-4,542.31	-11,163.76	7,597.13	7,344.53	252.60	30.076		
11,900.00	7,001.00	17,312.00	7,020.41	154.06	282.00	90.97	-4,542.31	-11,163.76	7,503.32	7,248.73	254.59	29.472		
12,000.00	7,001.00	17,312.00	7,020.41	155.15	282.00	90.97	-4,542.31	-11,163.76	7,409.67	7,153.03	256.63	28.872		
12,100.00	7,001.00	17,312.00	7,020.41	156.27	282.00	90.97	-4,542.31	-11,163.76	7,316.18	7,057.45	258.73	28.278		
12,200.00	7,001.00	17,312.00	7,020.41	157.43	282.00	90.97	-4,542.31	-11,163.76	7,222.87	6,962.00	260.87	27.687		
12,300.00	7,001.00	17,312.00	7,020.41	158.61	282.00	90.97	-4,542.31	-11,163.76	7,129.74	6,866.67	263.07	27.102		
12,400.00	7,001.00	17,312.00	7,020.41	159.82	282.00	90.97	-4,542.31	-11,163.76	7,036.80	6,771.47	265.33	26.521		
12,500.00	7,001.00	17,312.00	7,020.41	161.07	282.00	90.97	-4,542.31	-11,163.76	6,944.06	6,676.41	267.64	25.945		
12,600.00	7,001.00	17,312.00	7,020.41	162.34	282.00	90.97	-4,542.31	-11,163.76	6,851.52	6,581.50	270.02	25.374		
12,700.00	7,001.00	17,312.00	7,020.41	163.64	282.00	90.97	-4,542.31	-11,163.76	6,759.19	6,486.73	272.46	24.808		
12,800.00	7,001.00	17,312.00	7,020.41	164.98	282.00	90.97	-4,542.31	-11,163.76	6,667.08	6,392.12	274.96	24.248		
12,900.00	7,001.00	17,312.00	7,020.41	166.34	282.00	90.97	-4,542.31	-11,163.76	6,575.21	6,297.68	277.53	23.692		
13,000.00	7,001.00	17,312.00	7,020.41	167.74	282.00	90.97	-4,542.31	-11,163.76	6,483.57	6,203.41	280.16	23.142		
13,100.00	7,001.00	17,312.00	7,020.41	169.16	282.00	90.97	-4,542.31	-11,163.76	6,392.18	6,109.31	282.87	22.597		
13,200.00	7,001.00	17,312.00	7,020.41	170.61	282.00	90.97	-4,542.31	-11,163.76	6,301.06	6,015.41	285.65	22.058		
13,300.00	7,001.00	17,312.00	7,020.41	172.10	282.00	90.97	-4,542.31	-11,163.76	6,210.21	5,921.70	288.51	21.525		
13,400.00	7,001.00	17,312.00	7,020.41	173.61	282.00	90.97	-4,542.31	-11,163.76	6,119.65	5,828.20	291.45	20.997		
13,500.00	7,001.00	17,312.00	7,020.41	175.15	282.00	90.97	-4,542.31	-11,163.76	6,029.38	5,734.92	294.46	20.476		
13,600.00	7,001.00	17,312.00	7,020.41	176.72	282.00	90.97	-4,542.31	-11,163.76	5,939.43	5,641.86	297.57	19.960		
13,700.00	7,001.00	17,312.00	7,020.41	178.31	282.00	90.97	-4,542.31	-11,163.76	5,849.80	5,549.04	300.75	19.450		
13,800.00	7,001.00	17,312.00	7,020.41	179.94	282.00	90.97	-4,542.31	-11,163.76	5,760.51	5,456.48	304.03	18.947		
13,900.00	7,001.00	17,312.00	7,020.41	181.59	282.00	90.97	-4,542.31	-11,163.76	5,671.58	5,364.18	307.40	18.450		
14,000.00	7,001.00	17,312.00	7,020.41	183.26	282.00	90.97	-4,542.31	-11,163.76	5,583.03	5,272.16	310.86	17.960		
14,100.00	7,001.00	17,312.00	7,020.41	184.97	282.00	90.97	-4,542.31	-11,163.76	5,494.86	5,180.44	314.43	17.476		
14,200.00	7,001.00	17,312.00	7,020.41	186.70	282.00	90.97	-4,542.31	-11,163.76	5,407.11	5,089.02	318.09	16.999		
14,300.00	7,001.00	17,312.00	7,020.41	188.45	282.00	90.97	-4,542.31	-11,163.76	5,319.80	4,997.93	321.86	16.528		
14,400.00	7,001.00	17,312.00	7,020.41	190.23	282.00	90.97	-4,542.31	-11,163.76	5,232.93	4,907.19	325.74	16.065		
14,500.00	7,001.00	17,312.00	7,020.41	192.03	282.00	90.97	-4,542.31	-11,163.76	5,146.55	4,816.82	329.73	15.608		
14,600.00	7,001.00	17,312.00	7,020.41	193.86	282.00	90.97	-4,542.31	-11,163.76	5,060.66	4,726.83	333.83	15.159		
14,700.00	7,001.00	17,312.00	7,020.41	195.71	282.00	90.97	-4,542.31	-11,163.76	4,975.30	4,637.25	338.05	14.718		
14,800.00	7,001.00	17,312.00	7,020.41	197.58	282.00	90.97	-4,542.31	-11,163.76	4,890.50	4,548.11	342.39	14.283		
14,900.00	7,001.00	17,312.00	7,020.41	199.47	282.00	90.97	-4,542.31	-11,163.76	4,806.28	4,459.43	346.86	13.857		
15,000.00	7,001.00	17,312.00	7,020.41	201.39	282.00	90.97	-4,542.31	-11,163.76	4,722.68	4,371.23	351.45	13.438		
15,100.00	7,001.00	17,312.00	7,020.41	203.32	282.00	90.97	-4,542.31	-11,163.76	4,639.73	4,283.56	356.17	13.027		
15,200.00	7,001.00	17,312.00	7,020.41	205.28	282.00	90.97	-4,542.31	-11,163.76	4,557.46	4,196.44	361.02	12.624		
15,300.00	7,001.00	17,312.00	7,020.41	207.25	282.00	90.97	-4,542.31	-11,163.76	4,475.91	4,109.91	366.00	12.229		
15,400.00	7,001.00	17,312.00	7,020.41	209.25	282.00	90.97	-4,542.31	-11,163.76	4,395.12	4,024.00	371.12	11.843		
15,500.00	7,001.00	17,312.00	7,020.41	211.26	282.00	90.97	-4,542.31	-11,163.76	4,315.14	3,938.76	376.38	11.465		
15,600.00	7,001.00	17,312.00	7,020.41	213.30	282.00	90.97	-4,542.31	-11,163.76	4,236.01	3,854.24	381.78	11.096		
15,700.00	7,001.00	17,312.00	7,020.41	215.35	282.00	90.97	-4,542.31	-11,163.76	4,157.78	3,770.47	387.31	10.735		
15,800.00	7,001.00	17,312.00	7,020.41	217.42	282.00	90.97	-4,542.31	-11,163.76	4,080.50	3,687.52	392.98	10.383		
15,900.00	7,001.00	17,312.00	7,020.41	219.50	282.00	90.97	-4,542.31	-11,163.76	4,004.23	3,605.44	398.79	10.041		
16,000.00	7,001.00	17,312.00	7,020.41	221.60	282.00	90.97	-4,542.31	-11,163.76	3,929.02	3,524.29	404.74	9.708		
16,100.00	7,001.00	17,312.00	7,020.41	223.72	282.00	90.97	-4,542.31	-11,163.76	3,854.94	3,444.13	410.81	9.384		
16,200.00	7,001.00	17,312.00	7,020.41	225.85	282.00	90.97	-4,542.31	-11,163.76	3,782.05	3,365.04	417.02	9.069		
16,300.00	7,001.00	17,312.00	7,020.41	228.00	282.00	90.97	-4,542.31	-11,163.76	3,710.43	3,287.09	423.34	8.765		
16,400.00	7,001.00	17,312.00	7,020.41	230.16	282.00	90.97	-4,542.31	-11,163.76	3,640.14	3,210.36	429.78	8.470		
16,500.00	7,001.00	17,312.00	7,020.41	232.34	282.00	90.97	-4,542.31	-11,163.76	3,571.27	3,134.95	436.32	8.185		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1576-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,600.00	7,001.00	17,312.00	7,020.41	234.53	282.00	90.97	-4,542.31	-11,163.76	3,503.90	3,060.95	442.95	7.910		
16,700.00	7,001.00	17,312.00	7,020.41	236.73	282.00	90.97	-4,542.31	-11,163.76	3,438.12	2,988.46	449.66	7.646		
16,800.00	7,001.00	17,312.00	7,020.41	238.95	282.00	90.97	-4,542.31	-11,163.76	3,374.02	2,917.59	456.44	7.392		
16,900.00	7,001.00	17,312.00	7,020.41	241.18	282.00	90.97	-4,542.31	-11,163.76	3,311.70	2,848.46	463.25	7.149		
17,000.00	7,001.00	17,312.00	7,020.41	243.42	282.00	90.97	-4,542.31	-11,163.76	3,251.27	2,781.19	470.08	6.916		
17,100.00	7,001.00	17,312.00	7,020.41	245.67	282.00	90.97	-4,542.31	-11,163.76	3,192.82	2,715.92	476.90	6.695		
17,200.00	7,001.00	17,312.00	7,020.41	247.93	282.00	90.97	-4,542.31	-11,163.76	3,136.47	2,652.79	483.68	6.485		
17,300.00	7,001.00	17,312.00	7,020.41	250.21	282.00	90.97	-4,542.31	-11,163.76	3,082.34	2,591.95	490.39	6.286		
17,400.00	7,001.00	17,312.00	7,020.41	252.50	282.00	90.97	-4,542.31	-11,163.76	3,030.54	2,533.55	496.99	6.098		
17,500.00	7,001.00	17,312.00	7,020.41	254.79	282.00	90.97	-4,542.31	-11,163.76	2,981.19	2,477.76	503.43	5.922		
17,600.00	7,001.00	17,312.00	7,020.41	257.10	282.00	90.97	-4,542.31	-11,163.76	2,934.42	2,424.74	509.69	5.757		
17,700.00	7,001.00	17,312.00	7,020.41	259.42	282.00	90.97	-4,542.31	-11,163.76	2,890.36	2,374.67	515.69	5.605		
17,800.00	7,001.00	17,312.00	7,020.41	261.74	282.00	90.97	-4,542.31	-11,163.76	2,849.13	2,327.72	521.41	5.464		
17,900.00	7,001.00	17,312.00	7,020.41	264.08	282.00	90.97	-4,542.31	-11,163.76	2,810.85	2,284.08	526.77	5.336		
18,000.00	7,001.00	17,312.00	7,020.41	266.42	282.00	90.97	-4,542.31	-11,163.76	2,775.65	2,243.92	531.74	5.220		
18,100.00	7,001.00	17,312.00	7,020.41	268.78	282.00	90.97	-4,542.31	-11,163.76	2,743.65	2,207.40	536.25	5.116		
18,200.00	7,001.00	17,312.00	7,020.41	271.14	282.00	90.97	-4,542.31	-11,163.76	2,714.95	2,174.70	540.25	5.025		
18,300.00	7,001.00	17,312.00	7,020.41	273.51	282.00	90.97	-4,542.31	-11,163.76	2,689.67	2,145.98	543.68	4.947		
18,400.00	7,001.00	17,312.00	7,020.41	275.89	282.00	90.97	-4,542.31	-11,163.76	2,667.89	2,121.38	546.51	4.882		
18,500.00	7,001.00	17,312.00	7,020.41	278.27	282.00	90.97	-4,542.31	-11,163.76	2,649.72	2,101.03	548.69	4.829		
18,600.00	7,001.00	17,312.00	7,020.41	280.67	282.00	90.97	-4,542.31	-11,163.76	2,635.22	2,085.04	550.17	4.790		
18,700.00	7,001.00	17,312.00	7,020.41	283.07	282.00	90.97	-4,542.31	-11,163.76	2,624.45	2,073.51	550.94	4.764		
18,800.00	7,001.00	17,312.00	7,020.41	285.48	282.00	90.97	-4,542.31	-11,163.76	2,617.45	2,066.49	550.96	4.751		
18,900.00	7,001.00	17,312.00	7,020.41	287.89	282.00	90.97	-4,542.31	-11,163.76	2,614.27	2,064.04	550.24	4.751		
18,933.24	7,001.00	17,312.00	7,020.41	288.69	282.00	90.97	-4,542.31	-11,163.76	2,614.06	2,064.23	549.83	4.754		
19,000.00	7,001.00	17,258.29	7,020.19	290.31	280.55	90.97	-4,542.08	-11,217.47	2,614.23	2,064.61	549.62	4.756		
19,100.00	7,001.00	17,127.12	7,018.70	292.74	276.99	90.94	-4,542.35	-11,348.63	2,613.75	2,063.77	549.98	4.752		
19,200.00	7,001.00	17,008.70	7,017.47	295.17	273.78	90.91	-4,543.14	-11,467.04	2,612.95	2,062.80	550.15	4.750		
19,300.00	7,001.00	16,907.75	7,018.56	297.61	271.05	90.93	-4,544.55	-11,567.97	2,611.40	2,061.28	550.12	4.747		
19,400.00	7,001.00	16,762.06	7,019.93	300.06	267.11	90.97	-4,547.55	-11,713.63	2,609.25	2,058.76	550.48	4.740		
19,500.00	7,001.00	16,637.39	7,018.32	302.51	263.75	90.93	-4,552.09	-11,838.20	2,605.39	2,054.79	550.60	4.732		
19,600.00	7,001.00	16,552.97	7,016.19	304.97	261.47	90.89	-4,555.27	-11,922.53	2,601.44	2,050.95	550.48	4.726		
19,700.00	7,001.00	16,514.00	7,014.44	307.43	260.41	90.85	-4,556.47	-11,961.44	2,598.71	2,048.77	549.94	4.725 SF		
19,791.98	7,001.00	16,452.83	7,011.42	309.70	258.76	90.78	-4,557.26	-12,022.53	2,597.59	2,048.05	549.54	4.727 CC, ES		
19,800.00	7,001.00	16,449.35	7,011.26	309.90	258.67	90.78	-4,557.25	-12,026.01	2,597.59	2,048.12	549.48	4.727		
19,900.00	7,001.00	16,420.00	7,009.91	312.38	257.87	90.75	-4,556.92	-12,055.32	2,598.95	2,050.64	548.31	4.740		
20,000.00	7,001.00	16,326.00	7,006.75	314.85	255.32	90.68	-4,553.86	-12,149.21	2,602.00	2,053.85	548.15	4.747		
20,100.00	7,001.00	16,248.28	7,005.13	317.34	253.21	90.64	-4,550.53	-12,226.84	2,605.97	2,058.30	547.67	4.758		
20,200.00	7,001.00	16,036.61	7,002.10	319.83	247.47	90.57	-4,546.48	-12,438.44	2,607.60	2,058.12	549.48	4.746		
20,295.48	7,001.00	15,949.00	6,999.80	322.21	245.10	90.52	-4,547.02	-12,526.01	2,606.88	2,057.53	549.35	4.745		
20,300.00	7,001.00	15,949.00	6,999.80	322.32	245.10	90.52	-4,547.02	-12,526.01	2,606.88	2,057.59	549.29	4.746		
20,328.54	7,001.00	15,915.92	6,998.68	323.03	244.20	90.50	-4,547.18	-12,559.07	2,606.66	2,057.32	549.34	4.745		
20,400.00	7,001.00	15,880.80	6,997.74	324.82	243.25	90.48	-4,546.87	-12,594.18	2,607.16	2,058.36	548.80	4.751		
20,500.00	7,001.00	15,792.76	6,996.23	327.32	240.86	90.44	-4,544.88	-12,682.19	2,609.19	2,060.61	548.58	4.756		
20,600.00	7,001.00	15,681.50	6,994.86	329.83	237.85	90.41	-4,542.98	-12,793.42	2,610.72	2,061.99	548.73	4.758		
20,700.00	7,001.00	15,566.72	6,993.45	332.34	234.73	90.38	-4,541.45	-12,908.18	2,611.89	2,062.96	548.92	4.758		
20,800.00	7,001.00	15,425.23	6,992.01	334.85	230.90	90.35	-4,540.74	-13,049.65	2,612.33	2,062.89	549.43	4.755		
20,900.00	7,001.00	15,298.48	6,993.31	337.37	227.48	90.38	-4,542.50	-13,176.39	2,610.71	2,061.01	549.70	4.749		
21,000.00	7,001.00	15,188.52	6,993.39	339.89	224.51	90.38	-4,544.43	-13,286.33	2,608.80	2,059.02	549.78	4.745		
21,100.00	7,001.00	15,099.00	6,992.87	342.42	222.09	90.37	-4,546.70	-13,375.82	2,606.18	2,056.51	549.67	4.741		
21,200.00	7,001.00	15,004.00	6,990.44	344.95	219.52	90.32	-4,548.09	-13,470.77	2,604.54	2,054.94	549.60	4.739		
21,258.68	7,001.00	14,984.57	6,989.69	346.43	219.00	90.30	-4,548.06	-13,490.19	2,604.22	2,055.07	549.15	4.742		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 5-T6N-R67W - MICKEY 11 - ORIGINAL WELLBORE - WB # 1 - Patterson 346												Offset Site Error:	0.00 usft
Survey Program: 1576-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
21,300.00	7,001.00	14,941.68	6,988.15	347.48	217.84	90.27	-4,548.01	-13,533.05	2,604.20	2,055.04	549.16	4.742	
21,400.00	7,001.00	14,839.84	6,984.93	350.02	215.08	90.20	-4,547.98	-13,634.83	2,604.05	2,054.90	549.15	4.742	
21,500.00	7,001.00	14,719.19	6,981.57	352.56	211.82	90.12	-4,548.36	-13,755.43	2,603.58	2,054.22	549.37	4.739	
21,600.00	7,001.00	14,625.00	6,979.41	355.10	209.27	90.08	-4,549.24	-13,849.60	2,602.50	2,053.21	549.28	4.738	
21,672.77	7,001.00	14,571.29	6,978.48	356.96	207.82	90.05	-4,549.49	-13,903.31	2,602.09	2,053.05	549.04	4.739	
21,700.00	7,001.00	14,554.31	6,978.31	357.65	207.36	90.05	-4,549.43	-13,920.28	2,602.14	2,053.24	548.91	4.741	
21,800.00	7,001.00	14,394.05	6,977.42	360.20	203.03	90.03	-4,550.55	-14,080.52	2,601.22	2,051.65	549.57	4.733	
21,818.56	7,001.00	14,379.11	6,977.25	360.67	202.63	90.03	-4,550.81	-14,095.46	2,600.88	2,051.34	549.53	4.733	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1585-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,300.00	4,421.89	17,365.00	7,068.05	75.02	281.92	86.64	-4,875.30	-11,165.27	10,058.59	9,951.68	106.91	94.085		
6,400.00	4,479.14	17,365.00	7,068.05	76.52	281.92	86.64	-4,875.30	-11,165.27	10,005.62	9,898.67	106.95	93.553		
6,500.00	4,536.39	17,365.00	7,068.05	78.02	281.92	86.64	-4,875.30	-11,165.27	9,953.37	9,846.34	107.03	92.999		
6,600.00	4,593.64	17,365.00	7,068.05	79.52	281.92	86.64	-4,875.30	-11,165.27	9,901.85	9,794.71	107.14	92.418		
6,700.00	4,650.90	17,365.00	7,068.05	81.03	281.92	86.64	-4,875.30	-11,165.27	9,851.09	9,743.78	107.30	91.806		
6,800.00	4,708.15	17,365.00	7,068.05	82.53	281.92	86.64	-4,875.30	-11,165.27	9,801.07	9,693.56	107.52	91.157		
6,900.00	4,765.40	17,365.00	7,068.05	84.03	281.92	86.64	-4,875.30	-11,165.27	9,751.83	9,644.03	107.80	90.464		
7,000.00	4,822.65	17,365.00	7,068.05	85.53	281.92	86.64	-4,875.30	-11,165.27	9,703.37	9,595.22	108.15	89.720		
7,100.00	4,879.90	17,365.00	7,068.05	87.04	281.92	86.64	-4,875.30	-11,165.27	9,655.70	9,547.11	108.59	88.916		
7,200.00	4,937.16	17,365.00	7,068.05	88.54	281.92	86.64	-4,875.30	-11,165.27	9,608.84	9,499.70	109.13	88.046		
7,300.00	4,994.41	17,365.00	7,068.05	90.04	281.92	86.64	-4,875.30	-11,165.27	9,562.79	9,453.00	109.79	87.099		
7,400.00	5,051.66	17,365.00	7,068.05	91.54	281.92	86.64	-4,875.30	-11,165.27	9,517.57	9,406.98	110.58	86.068		
7,500.00	5,108.91	17,365.00	7,068.05	93.05	281.92	86.64	-4,875.30	-11,165.27	9,473.19	9,361.66	111.52	84.944		
7,600.00	5,166.16	17,365.00	7,068.05	94.55	281.92	86.64	-4,875.30	-11,165.27	9,429.66	9,317.03	112.63	83.722		
7,700.00	5,223.42	17,365.00	7,068.05	96.05	281.92	86.64	-4,875.30	-11,165.27	9,386.99	9,273.07	113.92	82.399		
7,800.00	5,280.67	17,365.00	7,068.05	97.56	281.92	86.64	-4,875.30	-11,165.27	9,345.20	9,229.79	115.41	80.974		
7,900.00	5,337.92	17,365.00	7,068.05	99.06	281.92	86.64	-4,875.30	-11,165.27	9,304.30	9,187.19	117.11	79.452		
8,000.00	5,395.17	17,365.00	7,068.05	100.56	281.92	86.64	-4,875.30	-11,165.27	9,264.29	9,145.27	119.02	77.840		
8,100.00	5,452.42	17,365.00	7,068.05	102.07	281.92	86.64	-4,875.30	-11,165.27	9,225.20	9,104.05	121.14	76.151		
8,200.00	5,509.68	17,365.00	7,068.05	103.57	281.92	86.64	-4,875.30	-11,165.27	9,187.02	9,063.54	123.48	74.399		
8,300.00	5,566.93	17,365.00	7,068.05	105.08	281.92	86.64	-4,875.30	-11,165.27	9,149.79	9,023.76	126.03	72.603		
8,400.00	5,624.18	17,365.00	7,068.05	106.58	281.92	86.64	-4,875.30	-11,165.27	9,113.49	8,984.73	128.76	70.779		
8,500.00	5,681.43	17,365.00	7,068.05	108.08	281.92	86.64	-4,875.30	-11,165.27	9,078.16	8,946.48	131.67	68.945		
8,600.00	5,738.68	17,365.00	7,068.05	109.59	281.92	86.64	-4,875.30	-11,165.27	9,043.79	8,909.04	134.75	67.116		
8,700.00	5,795.93	17,365.00	7,068.05	111.09	281.92	86.64	-4,875.30	-11,165.27	9,010.40	8,872.43	137.97	65.306		
8,800.00	5,853.19	17,365.00	7,068.05	112.60	281.92	86.64	-4,875.30	-11,165.27	8,978.00	8,836.67	141.33	63.527		
8,900.00	5,910.44	17,365.00	7,068.05	114.10	281.92	86.64	-4,875.30	-11,165.27	8,946.60	8,801.80	144.80	61.788		
9,000.00	5,967.69	17,365.00	7,068.05	115.60	281.92	86.64	-4,875.30	-11,165.27	8,916.21	8,767.84	148.37	60.094		
9,100.00	6,024.94	17,365.00	7,068.05	117.11	281.92	86.64	-4,875.30	-11,165.27	8,886.84	8,734.80	152.04	58.452		
9,200.00	6,082.19	17,365.00	7,068.05	118.61	281.92	86.64	-4,875.30	-11,165.27	8,858.50	8,702.72	155.78	56.865		
9,300.00	6,139.45	17,365.00	7,068.05	120.12	281.92	86.64	-4,875.30	-11,165.27	8,831.21	8,671.61	159.60	55.335		
9,400.00	6,196.70	17,365.00	7,068.05	121.62	281.92	86.64	-4,875.30	-11,165.27	8,804.97	8,641.49	163.47	53.862		
9,500.00	6,253.95	17,365.00	7,068.05	123.13	281.92	86.64	-4,875.30	-11,165.27	8,779.78	8,612.38	167.40	52.447		
9,600.00	6,311.20	17,365.00	7,068.05	124.63	281.92	86.64	-4,875.30	-11,165.27	8,755.67	8,584.29	171.38	51.090		
9,700.00	6,368.45	17,365.00	7,068.05	126.13	281.92	86.64	-4,875.30	-11,165.27	8,732.64	8,557.24	175.39	49.789		
9,800.00	6,425.71	17,365.00	7,068.05	127.64	281.92	86.64	-4,875.30	-11,165.27	8,710.69	8,531.25	179.44	48.543		
9,900.00	6,482.96	17,365.00	7,068.05	129.14	281.92	86.64	-4,875.30	-11,165.27	8,689.84	8,506.32	183.52	47.351		
10,000.00	6,540.21	17,365.00	7,068.05	130.65	281.92	86.64	-4,875.30	-11,165.27	8,670.09	8,482.47	187.62	46.211		
10,100.00	6,597.46	17,365.00	7,068.05	132.15	281.92	86.64	-4,875.30	-11,165.27	8,651.45	8,459.71	191.74	45.121		
10,200.00	6,654.71	17,365.00	7,068.05	133.66	281.92	86.64	-4,875.30	-11,165.27	8,633.93	8,438.06	195.87	44.079		
10,300.00	6,711.97	17,365.00	7,068.05	135.16	281.92	86.64	-4,875.30	-11,165.27	8,617.54	8,417.52	200.02	43.083		
10,400.00	6,769.19	17,365.00	7,068.05	136.67	281.92	85.89	-4,875.30	-11,165.27	8,602.16	8,397.99	204.17	42.132		
10,500.00	6,824.05	17,365.00	7,068.05	138.22	281.92	80.05	-4,875.30	-11,165.27	8,577.67	8,369.34	208.32	41.175		
10,600.00	6,873.81	17,365.00	7,068.05	139.81	281.92	75.56	-4,875.30	-11,165.27	8,537.99	8,325.60	212.39	40.200		
10,700.00	6,916.95	17,365.00	7,068.05	141.38	281.92	72.62	-4,875.30	-11,165.27	8,484.13	8,267.90	216.23	39.236		
10,800.00	6,952.17	17,365.00	7,068.05	142.87	281.92	71.47	-4,875.30	-11,165.27	8,417.48	8,197.72	219.75	38.304		
10,900.00	6,978.39	17,365.00	7,068.05	144.24	281.92	72.65	-4,875.30	-11,165.27	8,339.77	8,116.93	222.84	37.426		
11,000.00	6,994.82	17,365.00	7,068.05	145.43	281.92	77.54	-4,875.30	-11,165.27	8,253.09	8,027.72	225.38	36.619		
11,100.00	7,000.96	17,365.00	7,068.05	146.41	281.92	90.30	-4,875.30	-11,165.27	8,159.84	7,932.56	227.29	35.901		
11,200.00	7,001.00	17,365.00	7,068.05	147.26	281.92	92.09	-4,875.30	-11,165.27	8,063.90	7,835.09	228.81	35.243		
11,300.00	7,001.00	17,365.00	7,068.05	148.14	281.92	92.09	-4,875.30	-11,165.27	7,968.04	7,737.66	230.37	34.588		
11,400.00	7,001.00	17,365.00	7,068.05	149.06	281.92	92.09	-4,875.30	-11,165.27	7,872.28	7,640.31	231.97	33.937		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1585-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,500.00	7,001.00	17,365.00	7,068.05	150.00	281.92	92.09	-4,875.30	-11,165.27	7,776.63	7,543.02	233.60	33.290		
11,600.00	7,001.00	17,365.00	7,068.05	150.97	281.92	92.09	-4,875.30	-11,165.27	7,681.08	7,445.80	235.28	32.646		
11,700.00	7,001.00	17,365.00	7,068.05	151.97	281.92	92.09	-4,875.30	-11,165.27	7,585.66	7,348.66	237.00	32.007		
11,800.00	7,001.00	17,365.00	7,068.05	153.00	281.92	92.09	-4,875.30	-11,165.27	7,490.35	7,251.58	238.77	31.371		
11,900.00	7,001.00	17,365.00	7,068.05	154.06	281.92	92.09	-4,875.30	-11,165.27	7,395.17	7,154.59	240.58	30.739		
12,000.00	7,001.00	17,365.00	7,068.05	155.15	281.92	92.09	-4,875.30	-11,165.27	7,300.12	7,057.68	242.44	30.112		
12,100.00	7,001.00	17,365.00	7,068.05	156.27	281.92	92.09	-4,875.30	-11,165.27	7,205.20	6,960.86	244.34	29.488		
12,200.00	7,001.00	17,365.00	7,068.05	157.43	281.92	92.09	-4,875.30	-11,165.27	7,110.42	6,864.12	246.30	28.869		
12,300.00	7,001.00	17,365.00	7,068.05	158.61	281.92	92.09	-4,875.30	-11,165.27	7,015.78	6,767.47	248.31	28.255		
12,400.00	7,001.00	17,365.00	7,068.05	159.82	281.92	92.09	-4,875.30	-11,165.27	6,921.30	6,670.93	250.37	27.644		
12,500.00	7,001.00	17,365.00	7,068.05	161.07	281.92	92.09	-4,875.30	-11,165.27	6,826.97	6,574.48	252.49	27.039		
12,600.00	7,001.00	17,365.00	7,068.05	162.34	281.92	92.09	-4,875.30	-11,165.27	6,732.80	6,478.14	254.66	26.438		
12,700.00	7,001.00	17,365.00	7,068.05	163.64	281.92	92.09	-4,875.30	-11,165.27	6,638.81	6,381.91	256.90	25.842		
12,800.00	7,001.00	17,365.00	7,068.05	164.98	281.92	92.09	-4,875.30	-11,165.27	6,544.99	6,285.79	259.20	25.251		
12,900.00	7,001.00	17,365.00	7,068.05	166.34	281.92	92.09	-4,875.30	-11,165.27	6,451.37	6,189.80	261.57	24.664		
13,000.00	7,001.00	17,365.00	7,068.05	167.74	281.92	92.09	-4,875.30	-11,165.27	6,357.93	6,093.93	264.00	24.083		
13,100.00	7,001.00	17,365.00	7,068.05	169.16	281.92	92.09	-4,875.30	-11,165.27	6,264.70	5,998.20	266.50	23.507		
13,200.00	7,001.00	17,365.00	7,068.05	170.61	281.92	92.09	-4,875.30	-11,165.27	6,171.68	5,902.60	269.08	22.937		
13,300.00	7,001.00	17,365.00	7,068.05	172.10	281.92	92.09	-4,875.30	-11,165.27	6,078.88	5,807.15	271.73	22.371		
13,400.00	7,001.00	17,365.00	7,068.05	173.61	281.92	92.09	-4,875.30	-11,165.27	5,986.31	5,711.86	274.45	21.812		
13,500.00	7,001.00	17,365.00	7,068.05	175.15	281.92	92.09	-4,875.30	-11,165.27	5,893.99	5,616.72	277.26	21.258		
13,600.00	7,001.00	17,365.00	7,068.05	176.72	281.92	92.09	-4,875.30	-11,165.27	5,801.92	5,521.76	280.15	20.710		
13,700.00	7,001.00	17,365.00	7,068.05	178.31	281.92	92.09	-4,875.30	-11,165.27	5,710.11	5,426.98	283.14	20.167		
13,800.00	7,001.00	17,365.00	7,068.05	179.94	281.92	92.09	-4,875.30	-11,165.27	5,618.59	5,332.38	286.21	19.631		
13,900.00	7,001.00	17,365.00	7,068.05	181.59	281.92	92.09	-4,875.30	-11,165.27	5,527.36	5,237.99	289.37	19.101		
14,000.00	7,001.00	17,365.00	7,068.05	183.26	281.92	92.09	-4,875.30	-11,165.27	5,436.44	5,143.80	292.63	18.578		
14,100.00	7,001.00	17,365.00	7,068.05	184.97	281.92	92.09	-4,875.30	-11,165.27	5,345.84	5,049.84	296.00	18.060		
14,200.00	7,001.00	17,365.00	7,068.05	186.70	281.92	92.09	-4,875.30	-11,165.27	5,255.59	4,956.12	299.47	17.550		
14,300.00	7,001.00	17,365.00	7,068.05	188.45	281.92	92.09	-4,875.30	-11,165.27	5,165.69	4,862.64	303.05	17.046		
14,400.00	7,001.00	17,365.00	7,068.05	190.23	281.92	92.09	-4,875.30	-11,165.27	5,076.17	4,769.43	306.74	16.549		
14,500.00	7,001.00	17,365.00	7,068.05	192.03	281.92	92.09	-4,875.30	-11,165.27	4,987.05	4,676.50	310.55	16.059		
14,600.00	7,001.00	17,365.00	7,068.05	193.86	281.92	92.09	-4,875.30	-11,165.27	4,898.35	4,583.86	314.49	15.576		
14,700.00	7,001.00	17,365.00	7,068.05	195.71	281.92	92.09	-4,875.30	-11,165.27	4,810.09	4,491.55	318.54	15.100		
14,800.00	7,001.00	17,365.00	7,068.05	197.58	281.92	92.09	-4,875.30	-11,165.27	4,722.30	4,399.57	322.73	14.632		
14,900.00	7,001.00	17,365.00	7,068.05	199.47	281.92	92.09	-4,875.30	-11,165.27	4,635.01	4,307.95	327.06	14.172		
15,000.00	7,001.00	17,365.00	7,068.05	201.39	281.92	92.09	-4,875.30	-11,165.27	4,548.23	4,216.71	331.53	13.719		
15,100.00	7,001.00	17,365.00	7,068.05	203.32	281.92	92.09	-4,875.30	-11,165.27	4,462.02	4,125.88	336.14	13.274		
15,200.00	7,001.00	17,365.00	7,068.05	205.28	281.92	92.09	-4,875.30	-11,165.27	4,376.39	4,035.49	340.90	12.838		
15,300.00	7,001.00	17,365.00	7,068.05	207.25	281.92	92.09	-4,875.30	-11,165.27	4,291.38	3,945.56	345.81	12.410		
15,400.00	7,001.00	17,365.00	7,068.05	209.25	281.92	92.09	-4,875.30	-11,165.27	4,207.03	3,856.14	350.88	11.990		
15,500.00	7,001.00	17,365.00	7,068.05	211.26	281.92	92.09	-4,875.30	-11,165.27	4,123.38	3,767.26	356.12	11.579		
15,600.00	7,001.00	17,365.00	7,068.05	213.30	281.92	92.09	-4,875.30	-11,165.27	4,040.47	3,678.95	361.52	11.176		
15,700.00	7,001.00	17,365.00	7,068.05	215.35	281.92	92.09	-4,875.30	-11,165.27	3,958.35	3,591.26	367.09	10.783		
15,800.00	7,001.00	17,365.00	7,068.05	217.42	281.92	92.09	-4,875.30	-11,165.27	3,877.07	3,504.24	372.83	10.399		
15,900.00	7,001.00	17,365.00	7,068.05	219.50	281.92	92.09	-4,875.30	-11,165.27	3,796.69	3,417.94	378.75	10.024		
16,000.00	7,001.00	17,365.00	7,068.05	221.60	281.92	92.09	-4,875.30	-11,165.27	3,717.26	3,332.41	384.85	9.659		
16,100.00	7,001.00	17,365.00	7,068.05	223.72	281.92	92.09	-4,875.30	-11,165.27	3,638.84	3,247.72	391.12	9.304		
16,200.00	7,001.00	17,365.00	7,068.05	225.85	281.92	92.09	-4,875.30	-11,165.27	3,561.51	3,163.94	397.57	8.958		
16,300.00	7,001.00	17,365.00	7,068.05	228.00	281.92	92.09	-4,875.30	-11,165.27	3,485.33	3,081.13	404.19	8.623		
16,400.00	7,001.00	17,365.00	7,068.05	230.16	281.92	92.09	-4,875.30	-11,165.27	3,410.37	2,999.39	410.99	8.298		
16,500.00	7,001.00	17,365.00	7,068.05	232.34	281.92	92.09	-4,875.30	-11,165.27	3,336.74	2,918.79	417.95	7.984		
16,600.00	7,001.00	17,365.00	7,068.05	234.53	281.92	92.09	-4,875.30	-11,165.27	3,264.50	2,839.44	425.06	7.680		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1585-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,700.00	7,001.00	17,365.00	7,068.05	236.73	281.92	92.09	-4,875.30	-11,165.27	3,193.76	2,761.44	432.33	7.387		
16,800.00	7,001.00	17,365.00	7,068.05	238.95	281.92	92.09	-4,875.30	-11,165.27	3,124.63	2,684.91	439.72	7.106		
16,900.00	7,001.00	17,365.00	7,068.05	241.18	281.92	92.09	-4,875.30	-11,165.27	3,057.20	2,609.97	447.23	6.836		
17,000.00	7,001.00	17,365.00	7,068.05	243.42	281.92	92.09	-4,875.30	-11,165.27	2,991.59	2,536.76	454.83	6.577		
17,100.00	7,001.00	17,365.00	7,068.05	245.67	281.92	92.09	-4,875.30	-11,165.27	2,927.93	2,465.43	462.49	6.331		
17,200.00	7,001.00	17,365.00	7,068.05	247.93	281.92	92.09	-4,875.30	-11,165.27	2,866.34	2,396.15	470.19	6.096		
17,300.00	7,001.00	17,365.00	7,068.05	250.21	281.92	92.09	-4,875.30	-11,165.27	2,806.97	2,329.08	477.89	5.874		
17,400.00	7,001.00	17,365.00	7,068.05	252.50	281.92	92.09	-4,875.30	-11,165.27	2,749.95	2,264.41	485.54	5.664		
17,500.00	7,001.00	17,365.00	7,068.05	254.79	281.92	92.09	-4,875.30	-11,165.27	2,695.44	2,202.35	493.09	5.466		
17,600.00	7,001.00	17,365.00	7,068.05	257.10	281.92	92.09	-4,875.30	-11,165.27	2,643.59	2,143.09	500.50	5.282		
17,700.00	7,001.00	17,365.00	7,068.05	259.42	281.92	92.09	-4,875.30	-11,165.27	2,594.55	2,086.87	507.69	5.111		
17,800.00	7,001.00	17,365.00	7,068.05	261.74	281.92	92.09	-4,875.30	-11,165.27	2,548.50	2,033.91	514.59	4.952		
17,900.00	7,001.00	17,365.00	7,068.05	264.08	281.92	92.09	-4,875.30	-11,165.27	2,505.60	1,984.45	521.14	4.808		
18,000.00	7,001.00	17,365.00	7,068.05	266.42	281.92	92.09	-4,875.30	-11,165.27	2,466.01	1,938.74	527.26	4.677		
18,100.00	7,001.00	17,365.00	7,068.05	268.78	281.92	92.09	-4,875.30	-11,165.27	2,429.89	1,897.01	532.87	4.560		
18,200.00	7,001.00	17,365.00	7,068.05	271.14	281.92	92.09	-4,875.30	-11,165.27	2,397.40	1,859.51	537.88	4.457		
18,300.00	7,001.00	17,365.00	7,068.05	273.51	281.92	92.09	-4,875.30	-11,165.27	2,368.68	1,826.46	542.22	4.368		
18,400.00	7,001.00	17,365.00	7,068.05	275.89	281.92	92.09	-4,875.30	-11,165.27	2,343.89	1,798.08	545.81	4.294		
18,500.00	7,001.00	17,365.00	7,068.05	278.27	281.92	92.09	-4,875.30	-11,165.27	2,323.14	1,774.57	548.57	4.235		
18,600.00	7,001.00	17,365.00	7,068.05	280.67	281.92	92.09	-4,875.30	-11,165.27	2,306.54	1,756.09	550.45	4.190		
18,700.00	7,001.00	17,365.00	7,068.05	283.07	281.92	92.09	-4,875.30	-11,165.27	2,294.19	1,742.79	551.40	4.161		
18,800.00	7,001.00	17,365.00	7,068.05	285.48	281.92	92.09	-4,875.30	-11,165.27	2,286.14	1,734.76	551.38	4.146		
18,900.00	7,001.00	17,365.00	7,068.05	287.89	281.92	92.09	-4,875.30	-11,165.27	2,282.46	1,732.09	550.37	4.147		
18,934.00	7,001.00	17,365.00	7,068.05	288.71	281.92	92.09	-4,875.30	-11,165.27	2,282.20	1,732.40	549.80	4.151		
19,000.00	7,001.00	17,301.07	7,067.45	290.31	280.19	92.07	-4,875.12	-11,229.20	2,282.25	1,732.52	549.74	4.152		
19,100.00	7,001.00	17,182.13	7,065.57	292.74	276.96	92.02	-4,875.25	-11,348.12	2,281.94	1,731.91	550.02	4.149		
19,200.00	7,001.00	17,096.00	7,062.87	295.17	274.63	91.96	-4,875.48	-11,434.20	2,281.41	1,731.66	549.75	4.150		
19,241.87	7,001.00	17,057.25	7,061.35	296.19	273.58	91.92	-4,875.43	-11,472.93	2,281.34	1,731.66	549.68	4.150		
19,300.00	7,001.00	17,001.00	7,058.96	297.61	272.05	91.86	-4,875.12	-11,529.12	2,281.48	1,731.85	549.63	4.151		
19,400.00	7,001.00	16,930.51	7,057.10	300.06	270.14	91.81	-4,874.29	-11,599.58	2,282.35	1,733.34	549.01	4.157		
19,500.00	7,001.00	16,845.96	7,056.97	302.51	267.84	91.81	-4,872.66	-11,684.12	2,284.11	1,735.48	548.64	4.163		
19,600.00	7,001.00	16,740.93	7,055.91	304.97	264.99	91.78	-4,870.26	-11,789.11	2,286.21	1,737.49	548.71	4.166		
19,700.00	7,001.00	16,643.47	7,054.24	307.43	262.34	91.73	-4,868.29	-11,886.54	2,288.02	1,739.40	548.62	4.170		
19,800.00	7,001.00	16,547.98	7,051.72	309.90	259.75	91.67	-4,866.10	-11,981.97	2,290.07	1,741.59	548.48	4.175		
19,900.00	7,001.00	16,391.32	7,050.86	312.38	255.51	91.65	-4,864.76	-12,138.59	2,290.62	1,741.04	549.57	4.168		
20,000.00	7,001.00	16,237.42	7,051.32	314.85	251.34	91.66	-4,866.29	-12,292.48	2,289.66	1,739.35	550.32	4.161		
20,100.00	7,001.00	16,149.01	7,051.18	317.34	248.95	91.66	-4,868.27	-12,380.87	2,287.26	1,737.11	550.15	4.158		
20,200.00	7,001.00	16,013.11	7,051.64	319.83	245.28	91.67	-4,872.44	-12,516.69	2,283.95	1,733.42	550.53	4.149		
20,300.00	7,001.00	15,920.75	7,051.72	322.32	242.79	91.68	-4,875.69	-12,608.99	2,280.28	1,729.84	550.44	4.143		
20,400.00	7,001.00	15,823.87	7,051.36	324.82	240.17	91.67	-4,878.60	-12,705.83	2,277.10	1,726.71	550.39	4.137		
20,500.00	7,001.00	15,724.81	7,050.90	327.32	237.50	91.66	-4,881.83	-12,804.84	2,273.67	1,723.31	550.36	4.131		
20,600.00	7,001.00	15,626.31	7,050.61	329.83	234.84	91.66	-4,884.69	-12,903.30	2,270.60	1,720.27	550.33	4.126		
20,700.00	7,001.00	15,529.23	7,052.16	332.34	232.22	91.70	-4,887.72	-13,000.32	2,267.36	1,717.08	550.28	4.120		
20,800.00	7,001.00	15,432.91	7,052.24	334.85	229.62	91.70	-4,890.36	-13,096.60	2,264.46	1,714.24	550.23	4.116		
20,900.00	7,001.00	15,354.78	7,052.16	337.37	227.51	91.70	-4,892.30	-13,174.71	2,261.87	1,711.92	549.95	4.113 SF		
21,000.00	7,001.00	15,287.67	7,052.93	339.89	225.70	91.72	-4,892.99	-13,241.80	2,260.70	1,711.26	549.44	4.115 ES		
21,044.00	7,001.00	15,254.27	7,053.48	341.00	224.79	91.74	-4,893.03	-13,275.20	2,260.60	1,711.35	549.25	4.116 CC		
21,100.00	7,001.00	15,208.00	7,054.33	342.42	223.54	91.76	-4,892.83	-13,321.46	2,260.76	1,711.71	549.06	4.118		
21,200.00	7,001.00	15,159.56	7,055.22	344.95	222.23	91.78	-4,891.97	-13,369.89	2,262.38	1,714.44	547.94	4.129		
21,300.00	7,001.00	15,097.48	7,056.25	347.48	220.55	91.80	-4,889.48	-13,431.91	2,266.15	1,719.20	546.95	4.143		
21,400.00	7,001.00	14,959.90	7,057.28	350.02	216.82	91.83	-4,884.82	-13,569.40	2,269.28	1,721.39	547.89	4.142		
21,500.00	7,001.00	14,846.69	7,056.05	352.56	213.75	91.79	-4,881.79	-13,682.57	2,271.77	1,723.59	548.18	4.144		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 5-T6N-R67W - MICKEY 12 - ORIGINAL WELLBORE - WB #1 - Patterson 346												Offset Site Error:	0.00 usft
Survey Program: 1585-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
21,600.00	7,001.00	14,714.22	7,052.89	355.10	210.16	91.71	-4,879.55	-13,814.97	2,273.24	1,724.40	548.84	4.142	
21,700.00	7,001.00	14,607.93	7,050.73	357.65	207.28	91.66	-4,879.05	-13,921.23	2,273.47	1,724.52	548.95	4.142	
21,800.00	7,001.00	14,546.00	7,051.08	360.20	205.61	91.67	-4,878.36	-13,983.16	2,274.55	1,726.39	548.16	4.149	
21,818.56	7,001.00	14,524.42	7,051.44	360.67	205.02	91.67	-4,877.96	-14,004.73	2,274.87	1,726.64	548.22	4.150	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1583-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,400.00	4,479.14	17,484.00	7,343.44	76.52	282.45	87.56	-5,045.73	-11,141.40	10,077.30	9,965.24	112.06	89.928		
6,500.00	4,536.39	17,484.00	7,343.44	78.02	282.45	87.56	-5,045.73	-11,141.40	10,022.64	9,910.55	112.09	89.415		
6,600.00	4,593.64	17,484.00	7,343.44	79.52	282.45	87.56	-5,045.73	-11,141.40	9,968.68	9,856.53	112.15	88.887		
6,700.00	4,650.90	17,484.00	7,343.44	81.03	282.45	87.56	-5,045.73	-11,141.40	9,915.43	9,803.19	112.24	88.342		
6,800.00	4,708.15	17,484.00	7,343.44	82.53	282.45	87.56	-5,045.73	-11,141.40	9,862.91	9,750.55	112.36	87.776		
6,900.00	4,765.40	17,484.00	7,343.44	84.03	282.45	87.56	-5,045.73	-11,141.40	9,811.13	9,698.60	112.53	87.186		
7,000.00	4,822.65	17,484.00	7,343.44	85.53	282.45	87.56	-5,045.73	-11,141.40	9,760.10	9,647.35	112.75	86.567		
7,100.00	4,879.90	17,484.00	7,343.44	87.04	282.45	87.56	-5,045.73	-11,141.40	9,709.82	9,596.81	113.02	85.913		
7,200.00	4,937.16	17,484.00	7,343.44	88.54	282.45	87.56	-5,045.73	-11,141.40	9,660.33	9,546.97	113.36	85.220		
7,300.00	4,994.41	17,484.00	7,343.44	90.04	282.45	87.56	-5,045.73	-11,141.40	9,611.62	9,497.84	113.77	84.481		
7,400.00	5,051.66	17,484.00	7,343.44	91.54	282.45	87.56	-5,045.73	-11,141.40	9,563.70	9,449.43	114.28	83.690		
7,500.00	5,108.91	17,484.00	7,343.44	93.05	282.45	87.56	-5,045.73	-11,141.40	9,516.60	9,401.72	114.88	82.839		
7,600.00	5,166.16	17,484.00	7,343.44	94.55	282.45	87.56	-5,045.73	-11,141.40	9,470.32	9,354.72	115.60	81.922		
7,700.00	5,223.42	17,484.00	7,343.44	96.05	282.45	87.56	-5,045.73	-11,141.40	9,424.87	9,308.41	116.45	80.932		
7,800.00	5,280.67	17,484.00	7,343.44	97.56	282.45	87.56	-5,045.73	-11,141.40	9,380.27	9,262.81	117.45	79.865		
7,900.00	5,337.92	17,484.00	7,343.44	99.06	282.45	87.56	-5,045.73	-11,141.40	9,336.52	9,217.91	118.61	78.714		
8,000.00	5,395.17	17,484.00	7,343.44	100.56	282.45	87.56	-5,045.73	-11,141.40	9,293.65	9,173.70	119.95	77.479		
8,100.00	5,452.42	17,484.00	7,343.44	102.07	282.45	87.56	-5,045.73	-11,141.40	9,251.65	9,130.18	121.48	76.159		
8,200.00	5,509.68	17,484.00	7,343.44	103.57	282.45	87.56	-5,045.73	-11,141.40	9,210.56	9,087.35	123.20	74.759		
8,300.00	5,566.93	17,484.00	7,343.44	105.08	282.45	87.56	-5,045.73	-11,141.40	9,170.36	9,045.23	125.13	73.284		
8,400.00	5,624.18	17,484.00	7,343.44	106.58	282.45	87.56	-5,045.73	-11,141.40	9,131.09	9,003.82	127.27	71.746		
8,500.00	5,681.43	17,484.00	7,343.44	108.08	282.45	87.56	-5,045.73	-11,141.40	9,092.75	8,963.14	129.61	70.154		
8,600.00	5,738.68	17,484.00	7,343.44	109.59	282.45	87.56	-5,045.73	-11,141.40	9,055.35	8,923.20	132.15	68.524		
8,700.00	5,795.93	17,484.00	7,343.44	111.09	282.45	87.56	-5,045.73	-11,141.40	9,018.90	8,884.03	134.87	66.870		
8,800.00	5,853.19	17,484.00	7,343.44	112.60	282.45	87.56	-5,045.73	-11,141.40	8,983.42	8,845.65	137.77	65.206		
8,900.00	5,910.44	17,484.00	7,343.44	114.10	282.45	87.56	-5,045.73	-11,141.40	8,948.91	8,808.08	140.83	63.544		
9,000.00	5,967.69	17,484.00	7,343.44	115.60	282.45	87.56	-5,045.73	-11,141.40	8,915.39	8,771.36	144.04	61.896		
9,100.00	6,024.94	17,484.00	7,343.44	117.11	282.45	87.56	-5,045.73	-11,141.40	8,882.88	8,735.50	147.38	60.273		
9,200.00	6,082.19	17,484.00	7,343.44	118.61	282.45	87.56	-5,045.73	-11,141.40	8,851.37	8,700.53	150.84	58.682		
9,300.00	6,139.45	17,484.00	7,343.44	120.12	282.45	87.56	-5,045.73	-11,141.40	8,820.88	8,666.48	154.40	57.129		
9,400.00	6,196.70	17,484.00	7,343.44	121.62	282.45	87.56	-5,045.73	-11,141.40	8,791.43	8,633.37	158.06	55.620		
9,500.00	6,253.95	17,484.00	7,343.44	123.13	282.45	87.56	-5,045.73	-11,141.40	8,763.02	8,601.21	161.80	54.158		
9,600.00	6,311.20	17,484.00	7,343.44	124.63	282.45	87.56	-5,045.73	-11,141.40	8,735.66	8,570.04	165.62	52.745		
9,700.00	6,368.45	17,484.00	7,343.44	126.13	282.45	87.56	-5,045.73	-11,141.40	8,709.36	8,539.86	169.50	51.383		
9,800.00	6,425.71	17,484.00	7,343.44	127.64	282.45	87.56	-5,045.73	-11,141.40	8,684.13	8,510.70	173.44	50.071		
9,900.00	6,482.96	17,484.00	7,343.44	129.14	282.45	87.56	-5,045.73	-11,141.40	8,659.99	8,482.57	177.42	48.810		
10,000.00	6,540.21	17,484.00	7,343.44	130.65	282.45	87.56	-5,045.73	-11,141.40	8,636.94	8,455.49	181.45	47.600		
10,100.00	6,597.46	17,484.00	7,343.44	132.15	282.45	87.56	-5,045.73	-11,141.40	8,614.98	8,429.47	185.51	46.439		
10,200.00	6,654.71	17,484.00	7,343.44	133.66	282.45	87.56	-5,045.73	-11,141.40	8,594.13	8,404.53	189.60	45.327		
10,300.00	6,711.97	17,484.00	7,343.44	135.16	282.45	87.56	-5,045.73	-11,141.40	8,574.40	8,380.68	193.72	44.261		
10,400.00	6,769.19	17,484.00	7,343.44	136.67	282.45	86.82	-5,045.73	-11,141.40	8,555.68	8,357.82	197.86	43.241		
10,500.00	6,824.05	17,484.00	7,343.44	138.22	282.45	81.10	-5,045.73	-11,141.40	8,527.95	8,325.94	202.00	42.217		
10,600.00	6,873.81	17,484.00	7,343.44	139.81	282.45	76.77	-5,045.73	-11,141.40	8,485.26	8,279.21	206.04	41.182		
10,700.00	6,916.95	17,484.00	7,343.44	141.38	282.45	74.08	-5,045.73	-11,141.40	8,428.69	8,218.83	209.86	40.163		
10,800.00	6,952.17	17,484.00	7,343.44	142.87	282.45	73.33	-5,045.73	-11,141.40	8,359.72	8,146.37	213.34	39.184		
10,900.00	6,978.39	17,484.00	7,343.44	144.24	282.45	75.23	-5,045.73	-11,141.40	8,280.14	8,063.77	216.37	38.268		
11,000.00	6,994.82	17,484.00	7,343.44	145.43	282.45	81.52	-5,045.73	-11,141.40	8,192.11	7,973.27	218.84	37.434		
11,100.00	7,000.96	17,484.00	7,343.44	146.41	282.45	97.45	-5,045.73	-11,141.40	8,098.08	7,877.40	220.67	36.697		
11,200.00	7,001.00	17,484.00	7,343.44	147.26	282.45	99.64	-5,045.73	-11,141.40	8,001.69	7,779.58	222.10	36.027		
11,300.00	7,001.00	17,484.00	7,343.44	148.14	282.45	99.64	-5,045.73	-11,141.40	7,905.38	7,681.81	223.57	35.360		
11,400.00	7,001.00	17,484.00	7,343.44	149.06	282.45	99.64	-5,045.73	-11,141.40	7,809.16	7,584.09	225.07	34.696		
11,500.00	7,001.00	17,484.00	7,343.44	150.00	282.45	99.64	-5,045.73	-11,141.40	7,713.04	7,486.43	226.61	34.036		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1583-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,600.00	7,001.00	17,484.00	7,343.44	150.97	282.45	99.64	-5,045.73	-11,141.40	7,617.02	7,388.82	228.20	33.379		
11,700.00	7,001.00	17,484.00	7,343.44	151.97	282.45	99.64	-5,045.73	-11,141.40	7,521.10	7,291.28	229.82	32.727		
11,800.00	7,001.00	17,484.00	7,343.44	153.00	282.45	99.64	-5,045.73	-11,141.40	7,425.29	7,193.81	231.48	32.077		
11,900.00	7,001.00	17,484.00	7,343.44	154.06	282.45	99.64	-5,045.73	-11,141.40	7,329.59	7,096.40	233.19	31.432		
12,000.00	7,001.00	17,484.00	7,343.44	155.15	282.45	99.64	-5,045.73	-11,141.40	7,234.01	6,999.07	234.94	30.791		
12,100.00	7,001.00	17,484.00	7,343.44	156.27	282.45	99.64	-5,045.73	-11,141.40	7,138.55	6,901.81	236.74	30.153		
12,200.00	7,001.00	17,484.00	7,343.44	157.43	282.45	99.64	-5,045.73	-11,141.40	7,043.22	6,804.62	238.59	29.520		
12,300.00	7,001.00	17,484.00	7,343.44	158.61	282.45	99.64	-5,045.73	-11,141.40	6,948.01	6,707.52	240.49	28.891		
12,400.00	7,001.00	17,484.00	7,343.44	159.82	282.45	99.64	-5,045.73	-11,141.40	6,852.94	6,610.50	242.45	28.266		
12,500.00	7,001.00	17,484.00	7,343.44	161.07	282.45	99.64	-5,045.73	-11,141.40	6,758.02	6,513.57	244.45	27.645		
12,600.00	7,001.00	17,484.00	7,343.44	162.34	282.45	99.64	-5,045.73	-11,141.40	6,663.24	6,416.73	246.52	27.029		
12,700.00	7,001.00	17,484.00	7,343.44	163.64	282.45	99.64	-5,045.73	-11,141.40	6,568.62	6,319.98	248.64	26.418		
12,800.00	7,001.00	17,484.00	7,343.44	164.98	282.45	99.64	-5,045.73	-11,141.40	6,474.16	6,223.34	250.83	25.811		
12,900.00	7,001.00	17,484.00	7,343.44	166.34	282.45	99.64	-5,045.73	-11,141.40	6,379.87	6,126.80	253.07	25.210		
13,000.00	7,001.00	17,484.00	7,343.44	167.74	282.45	99.64	-5,045.73	-11,141.40	6,285.76	6,030.37	255.39	24.613		
13,100.00	7,001.00	17,484.00	7,343.44	169.16	282.45	99.64	-5,045.73	-11,141.40	6,191.83	5,934.06	257.77	24.021		
13,200.00	7,001.00	17,484.00	7,343.44	170.61	282.45	99.64	-5,045.73	-11,141.40	6,098.09	5,837.87	260.22	23.434		
13,300.00	7,001.00	17,484.00	7,343.44	172.10	282.45	99.64	-5,045.73	-11,141.40	6,004.56	5,741.81	262.75	22.853		
13,400.00	7,001.00	17,484.00	7,343.44	173.61	282.45	99.64	-5,045.73	-11,141.40	5,911.24	5,645.88	265.36	22.277		
13,500.00	7,001.00	17,484.00	7,343.44	175.15	282.45	99.64	-5,045.73	-11,141.40	5,818.14	5,550.09	268.04	21.706		
13,600.00	7,001.00	17,484.00	7,343.44	176.72	282.45	99.64	-5,045.73	-11,141.40	5,725.27	5,454.46	270.81	21.141		
13,700.00	7,001.00	17,484.00	7,343.44	178.31	282.45	99.64	-5,045.73	-11,141.40	5,632.64	5,358.98	273.66	20.582		
13,800.00	7,001.00	17,484.00	7,343.44	179.94	282.45	99.64	-5,045.73	-11,141.40	5,540.28	5,263.67	276.61	20.029		
13,900.00	7,001.00	17,484.00	7,343.44	181.59	282.45	99.64	-5,045.73	-11,141.40	5,448.18	5,168.53	279.65	19.482		
14,000.00	7,001.00	17,484.00	7,343.44	183.26	282.45	99.64	-5,045.73	-11,141.40	5,356.36	5,073.58	282.79	18.941		
14,100.00	7,001.00	17,484.00	7,343.44	184.97	282.45	99.64	-5,045.73	-11,141.40	5,264.85	4,978.82	286.03	18.407		
14,200.00	7,001.00	17,484.00	7,343.44	186.70	282.45	99.64	-5,045.73	-11,141.40	5,173.64	4,884.27	289.37	17.879		
14,300.00	7,001.00	17,484.00	7,343.44	188.45	282.45	99.64	-5,045.73	-11,141.40	5,082.77	4,789.95	292.82	17.358		
14,400.00	7,001.00	17,484.00	7,343.44	190.23	282.45	99.64	-5,045.73	-11,141.40	4,992.25	4,695.86	296.39	16.843		
14,500.00	7,001.00	17,484.00	7,343.44	192.03	282.45	99.64	-5,045.73	-11,141.40	4,902.10	4,602.01	300.08	16.336		
14,600.00	7,001.00	17,484.00	7,343.44	193.86	282.45	99.64	-5,045.73	-11,141.40	4,812.33	4,508.44	303.90	15.835		
14,700.00	7,001.00	17,484.00	7,343.44	195.71	282.45	99.64	-5,045.73	-11,141.40	4,722.98	4,415.14	307.84	15.342		
14,800.00	7,001.00	17,484.00	7,343.44	197.58	282.45	99.64	-5,045.73	-11,141.40	4,634.06	4,322.14	311.92	14.857		
14,900.00	7,001.00	17,484.00	7,343.44	199.47	282.45	99.64	-5,045.73	-11,141.40	4,545.60	4,229.47	316.13	14.379		
15,000.00	7,001.00	17,484.00	7,343.44	201.39	282.45	99.64	-5,045.73	-11,141.40	4,457.63	4,137.14	320.49	13.909		
15,100.00	7,001.00	17,484.00	7,343.44	203.32	282.45	99.64	-5,045.73	-11,141.40	4,370.18	4,045.18	325.00	13.447		
15,200.00	7,001.00	17,484.00	7,343.44	205.28	282.45	99.64	-5,045.73	-11,141.40	4,283.28	3,953.61	329.67	12.993		
15,300.00	7,001.00	17,484.00	7,343.44	207.25	282.45	99.64	-5,045.73	-11,141.40	4,196.96	3,862.46	334.50	12.547		
15,400.00	7,001.00	17,484.00	7,343.44	209.25	282.45	99.64	-5,045.73	-11,141.40	4,111.26	3,771.76	339.49	12.110		
15,500.00	7,001.00	17,484.00	7,343.44	211.26	282.45	99.64	-5,045.73	-11,141.40	4,026.22	3,681.56	344.66	11.682		
15,600.00	7,001.00	17,484.00	7,343.44	213.30	282.45	99.64	-5,045.73	-11,141.40	3,941.88	3,591.88	350.00	11.262		
15,700.00	7,001.00	17,484.00	7,343.44	215.35	282.45	99.64	-5,045.73	-11,141.40	3,858.29	3,502.76	355.53	10.852		
15,800.00	7,001.00	17,484.00	7,343.44	217.42	282.45	99.64	-5,045.73	-11,141.40	3,775.50	3,414.26	361.24	10.451		
15,900.00	7,001.00	17,484.00	7,343.44	219.50	282.45	99.64	-5,045.73	-11,141.40	3,693.56	3,326.41	367.14	10.060		
16,000.00	7,001.00	17,484.00	7,343.44	221.60	282.45	99.64	-5,045.73	-11,141.40	3,612.53	3,239.29	373.24	9.679		
16,100.00	7,001.00	17,484.00	7,343.44	223.72	282.45	99.64	-5,045.73	-11,141.40	3,532.47	3,152.94	379.53	9.307		
16,200.00	7,001.00	17,484.00	7,343.44	225.85	282.45	99.64	-5,045.73	-11,141.40	3,453.45	3,067.43	386.02	8.946		
16,300.00	7,001.00	17,484.00	7,343.44	228.00	282.45	99.64	-5,045.73	-11,141.40	3,375.55	2,982.84	392.71	8.596		
16,400.00	7,001.00	17,484.00	7,343.44	230.16	282.45	99.64	-5,045.73	-11,141.40	3,298.83	2,899.24	399.59	8.255		
16,500.00	7,001.00	17,484.00	7,343.44	232.34	282.45	99.64	-5,045.73	-11,141.40	3,223.40	2,816.73	406.67	7.926		
16,600.00	7,001.00	17,484.00	7,343.44	234.53	282.45	99.64	-5,045.73	-11,141.40	3,149.33	2,735.39	413.93	7.608		
16,700.00	7,001.00	17,484.00	7,343.44	236.73	282.45	99.64	-5,045.73	-11,141.40	3,076.73	2,655.35	421.37	7.302		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1583-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,800.00	7,001.00	17,484.00	7,343.44	238.95	282.45	99.64	-5,045.73	-11,141.40	3,005.70	2,576.72	428.98	7.007		
16,900.00	7,001.00	17,484.00	7,343.44	241.18	282.45	99.64	-5,045.73	-11,141.40	2,936.36	2,499.63	436.73	6.723		
17,000.00	7,001.00	17,484.00	7,343.44	243.42	282.45	99.64	-5,045.73	-11,141.40	2,868.83	2,424.22	444.61	6.452		
17,100.00	7,001.00	17,484.00	7,343.44	245.67	282.45	99.64	-5,045.73	-11,141.40	2,803.25	2,350.65	452.60	6.194		
17,200.00	7,001.00	17,484.00	7,343.44	247.93	282.45	99.64	-5,045.73	-11,141.40	2,739.74	2,279.09	460.65	5.948		
17,300.00	7,001.00	17,484.00	7,343.44	250.21	282.45	99.64	-5,045.73	-11,141.40	2,678.46	2,209.73	468.73	5.714		
17,400.00	7,001.00	17,484.00	7,343.44	252.50	282.45	99.64	-5,045.73	-11,141.40	2,619.57	2,142.77	476.80	5.494		
17,500.00	7,001.00	17,484.00	7,343.44	254.79	282.45	99.64	-5,045.73	-11,141.40	2,563.23	2,078.43	484.80	5.287		
17,600.00	7,001.00	17,484.00	7,343.44	257.10	282.45	99.64	-5,045.73	-11,141.40	2,509.61	2,016.94	492.67	5.094		
17,700.00	7,001.00	17,484.00	7,343.44	259.42	282.45	99.64	-5,045.73	-11,141.40	2,458.88	1,958.55	500.34	4.914		
17,800.00	7,001.00	17,484.00	7,343.44	261.74	282.45	99.64	-5,045.73	-11,141.40	2,411.24	1,903.51	507.73	4.749		
17,900.00	7,001.00	17,484.00	7,343.44	264.08	282.45	99.64	-5,045.73	-11,141.40	2,366.87	1,852.11	514.76	4.598		
18,000.00	7,001.00	17,484.00	7,343.44	266.42	282.45	99.64	-5,045.73	-11,141.40	2,325.96	1,804.62	521.34	4.461		
18,100.00	7,001.00	17,484.00	7,343.44	268.78	282.45	99.64	-5,045.73	-11,141.40	2,288.68	1,761.31	527.37	4.340		
18,200.00	7,001.00	17,484.00	7,343.44	271.14	282.45	99.64	-5,045.73	-11,141.40	2,255.22	1,722.47	532.76	4.233		
18,300.00	7,001.00	17,484.00	7,343.44	273.51	282.45	99.64	-5,045.73	-11,141.40	2,225.76	1,688.37	537.40	4.142		
18,400.00	7,001.00	17,484.00	7,343.44	275.89	282.45	99.64	-5,045.73	-11,141.40	2,200.46	1,659.25	541.21	4.066		
18,500.00	7,001.00	17,484.00	7,343.44	278.27	282.45	99.64	-5,045.73	-11,141.40	2,179.45	1,635.35	544.10	4.006		
18,600.00	7,001.00	17,484.00	7,343.44	280.67	282.45	99.64	-5,045.73	-11,141.40	2,162.86	1,616.88	545.99	3.961		
18,700.00	7,001.00	17,484.00	7,343.44	283.07	282.45	99.64	-5,045.73	-11,141.40	2,150.81	1,603.98	546.83	3.933		
18,800.00	7,001.00	17,484.00	7,343.44	285.48	282.45	99.64	-5,045.73	-11,141.40	2,143.35	1,596.77	546.58	3.921		
18,900.00	7,001.00	17,421.84	7,343.14	287.89	280.77	99.64	-5,047.70	-11,203.53	2,139.64	1,593.48	546.16	3.918		
19,000.00	7,001.00	17,346.94	7,342.77	290.31	278.74	99.64	-5,049.66	-11,278.40	2,136.84	1,591.05	545.79	3.915		
19,100.00	7,001.00	17,261.36	7,341.36	292.74	276.42	99.61	-5,050.70	-11,363.96	2,135.17	1,589.61	545.56	3.914		
19,200.00	7,001.00	17,124.51	7,334.52	295.17	272.73	99.44	-5,053.38	-11,500.61	2,132.05	1,585.82	546.23	3.903		
19,300.00	7,001.00	16,992.00	7,322.85	297.61	269.16	99.14	-5,056.40	-11,632.54	2,128.27	1,581.40	546.86	3.892		
19,400.00	7,001.00	16,897.00	7,310.93	300.06	266.62	98.84	-5,058.78	-11,726.76	2,123.63	1,576.52	547.11	3.882		
19,500.00	7,001.00	16,792.99	7,296.48	302.51	263.84	98.46	-5,061.02	-11,829.73	2,119.22	1,571.72	547.50	3.871		
19,600.00	7,001.00	16,708.00	7,283.61	304.97	261.57	98.12	-5,062.53	-11,913.73	2,115.06	1,567.41	547.65	3.862		
19,700.00	7,001.00	16,623.04	7,270.78	307.43	259.31	97.78	-5,063.48	-11,997.70	2,111.65	1,563.89	547.76	3.855		
19,800.00	7,001.00	16,543.94	7,259.41	309.90	257.19	97.48	-5,063.93	-12,075.99	2,108.99	1,561.29	547.70	3.851		
19,900.00	7,001.00	16,461.07	7,248.86	312.38	254.97	97.19	-5,063.81	-12,158.18	2,107.33	1,559.71	547.62	3.848 SF		
20,000.00	7,001.00	16,384.31	7,240.65	314.85	252.90	96.97	-5,063.30	-12,234.49	2,106.54	1,559.21	547.33	3.849 ES		
20,010.62	7,001.00	16,376.79	7,240.02	315.12	252.70	96.95	-5,063.21	-12,241.98	2,106.53	1,559.26	547.28	3.849 CC		
20,100.00	7,001.00	16,331.00	7,236.91	317.34	251.46	96.87	-5,062.56	-12,287.66	2,107.19	1,560.87	546.32	3.857		
20,200.00	7,001.00	16,276.78	7,234.82	319.83	249.99	96.81	-5,060.82	-12,341.81	2,110.03	1,564.98	545.06	3.871		
20,300.00	7,001.00	16,236.00	7,234.32	322.32	248.89	96.78	-5,058.43	-12,382.52	2,115.62	1,572.58	543.04	3.896		
20,400.00	7,001.00	16,186.09	7,234.73	324.82	247.53	96.78	-5,054.35	-12,432.25	2,123.75	1,582.73	541.02	3.925		
20,500.00	7,001.00	16,038.22	7,235.71	327.32	243.53	96.76	-5,039.86	-12,579.37	2,134.08	1,591.16	542.92	3.931		
20,600.00	7,001.00	15,917.90	7,227.83	329.83	240.27	96.53	-5,031.18	-12,699.10	2,140.27	1,596.50	543.78	3.936		
20,700.00	7,001.00	15,741.54	7,219.79	332.34	235.49	96.28	-5,020.22	-12,874.88	2,146.64	1,600.41	546.23	3.930		
20,800.00	7,001.00	15,565.28	7,213.95	334.85	230.71	96.12	-5,017.58	-13,051.00	2,147.70	1,599.73	547.97	3.919		
20,900.00	7,001.00	15,459.87	7,207.78	337.37	227.86	95.96	-5,017.56	-13,156.22	2,146.96	1,598.81	548.15	3.917		
21,000.00	7,001.00	15,337.13	7,197.82	339.89	224.56	95.70	-5,019.14	-13,278.55	2,144.55	1,595.91	548.64	3.909		
21,100.00	7,001.00	15,266.34	7,192.27	342.42	222.65	95.55	-5,019.64	-13,349.12	2,142.95	1,594.72	548.24	3.909		
21,148.50	7,001.00	15,235.60	7,190.33	343.64	221.81	95.50	-5,019.53	-13,379.79	2,142.75	1,594.83	547.92	3.911		
21,200.00	7,001.00	15,202.00	7,188.62	344.95	220.91	95.45	-5,019.16	-13,413.35	2,142.98	1,595.41	547.57	3.914		
21,300.00	7,001.00	15,119.76	7,186.38	347.48	218.68	95.39	-5,017.75	-13,495.54	2,144.26	1,597.08	547.17	3.919		
21,400.00	7,001.00	14,967.57	7,185.44	350.02	214.56	95.36	-5,016.18	-13,647.71	2,145.25	1,596.99	548.26	3.913		
21,500.00	7,001.00	14,830.11	7,180.79	352.56	210.85	95.24	-5,018.29	-13,785.06	2,143.12	1,594.22	548.90	3.904		
21,600.00	7,001.00	14,712.96	7,173.89	355.10	207.69	95.06	-5,020.28	-13,901.99	2,140.82	1,591.62	549.20	3.898		
21,700.00	7,001.00	14,605.78	7,166.27	357.65	204.80	94.87	-5,023.25	-14,008.85	2,137.27	1,587.89	549.37	3.890		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 5-T6N-R67W - MICKEY 13 - ORIGINAL WELLBORE - WB #1 - Patterson 346												Offset Site Error:	0.00 usft
Survey Program: 1583-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
21,800.00	7,001.00	14,543.00	7,162.60	360.20	203.11	94.77	-5,024.45	-14,071.52	2,134.64	1,585.72	548.92	3.889	
21,818.56	7,001.00	14,543.00	7,162.60	360.67	203.11	94.77	-5,024.45	-14,071.52	2,134.37	1,585.75	548.62	3.890	

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 5-T6N-R67W - VARRA 10 - Wellbore #1 - Wellbore #1													Offset Site Error:	0.00 usft
Survey Program: 1652-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,900.00	7,001.00	17,140.00	7,404.68	154.06	269.49	153.76	-6,941.21	-14,220.35	10,097.12	9,935.23	161.90	62.368		
12,000.00	7,001.00	17,140.00	7,404.68	155.15	269.49	153.76	-6,941.21	-14,220.35	9,997.23	9,835.28	161.96	61.727		
12,100.00	7,001.00	17,140.00	7,404.68	156.27	269.49	153.76	-6,941.21	-14,220.35	9,897.35	9,735.33	162.02	61.086		
12,200.00	7,001.00	17,140.00	7,404.68	157.43	269.49	153.76	-6,941.21	-14,220.35	9,797.46	9,635.38	162.09	60.446		
12,300.00	7,001.00	17,140.00	7,404.68	158.61	269.49	153.76	-6,941.21	-14,220.35	9,697.58	9,535.43	162.15	59.805		
12,400.00	7,001.00	17,140.00	7,404.68	159.82	269.49	153.76	-6,941.21	-14,220.35	9,597.70	9,435.48	162.22	59.164		
12,500.00	7,001.00	17,140.00	7,404.68	161.07	269.49	153.76	-6,941.21	-14,220.35	9,497.83	9,335.54	162.29	58.523		
12,600.00	7,001.00	17,140.00	7,404.68	162.34	269.49	153.76	-6,941.21	-14,220.35	9,397.95	9,235.59	162.36	57.882		
12,700.00	7,001.00	17,140.00	7,404.68	163.64	269.49	153.76	-6,941.21	-14,220.35	9,298.08	9,135.65	162.44	57.242		
12,800.00	7,001.00	17,140.00	7,404.68	164.98	269.49	153.76	-6,941.21	-14,220.35	9,198.21	9,035.70	162.51	56.601		
12,900.00	7,001.00	17,140.00	7,404.68	166.34	269.49	153.76	-6,941.21	-14,220.35	9,098.35	8,935.76	162.59	55.960		
13,000.00	7,001.00	17,140.00	7,404.68	167.74	269.49	153.76	-6,941.21	-14,220.35	8,998.49	8,835.82	162.67	55.319		
13,100.00	7,001.00	17,140.00	7,404.68	169.16	269.49	153.76	-6,941.21	-14,220.35	8,898.63	8,735.88	162.75	54.678		
13,200.00	7,001.00	17,140.00	7,404.68	170.61	269.49	153.76	-6,941.21	-14,220.35	8,798.77	8,635.94	162.83	54.037		
13,300.00	7,001.00	17,140.00	7,404.68	172.10	269.49	153.76	-6,941.21	-14,220.35	8,698.92	8,536.00	162.91	53.396		
13,400.00	7,001.00	17,140.00	7,404.68	173.61	269.49	153.76	-6,941.21	-14,220.35	8,599.07	8,436.07	163.00	52.754		
13,500.00	7,001.00	17,140.00	7,404.68	175.15	269.49	153.76	-6,941.21	-14,220.35	8,499.22	8,336.13	163.09	52.113		
13,600.00	7,001.00	17,140.00	7,404.68	176.72	269.49	153.76	-6,941.21	-14,220.35	8,399.38	8,236.20	163.18	51.472		
13,700.00	7,001.00	17,140.00	7,404.68	178.31	269.49	153.76	-6,941.21	-14,220.35	8,299.54	8,136.27	163.28	50.831		
13,800.00	7,001.00	17,140.00	7,404.68	179.94	269.49	153.76	-6,941.21	-14,220.35	8,199.71	8,036.33	163.37	50.190		
13,900.00	7,001.00	17,140.00	7,404.68	181.59	269.49	153.76	-6,941.21	-14,220.35	8,099.88	7,936.40	163.47	49.549		
14,000.00	7,001.00	17,140.00	7,404.68	183.26	269.49	153.76	-6,941.21	-14,220.35	8,000.05	7,836.48	163.58	48.907		
14,100.00	7,001.00	17,140.00	7,404.68	184.97	269.49	153.76	-6,941.21	-14,220.35	7,900.23	7,736.55	163.68	48.266		
14,200.00	7,001.00	17,140.00	7,404.68	186.70	269.49	153.76	-6,941.21	-14,220.35	7,800.41	7,636.62	163.79	47.625		
14,300.00	7,001.00	17,140.00	7,404.68	188.45	269.49	153.76	-6,941.21	-14,220.35	7,700.60	7,536.70	163.90	46.983		
14,400.00	7,001.00	17,140.00	7,404.68	190.23	269.49	153.76	-6,941.21	-14,220.35	7,600.79	7,436.78	164.02	46.342		
14,500.00	7,001.00	17,140.00	7,404.68	192.03	269.49	153.76	-6,941.21	-14,220.35	7,500.99	7,336.86	164.13	45.701		
14,600.00	7,001.00	17,140.00	7,404.68	193.86	269.49	153.76	-6,941.21	-14,220.35	7,401.19	7,236.94	164.25	45.059		
14,700.00	7,001.00	17,140.00	7,404.68	195.71	269.49	153.76	-6,941.21	-14,220.35	7,301.40	7,137.02	164.38	44.418		
14,800.00	7,001.00	17,140.00	7,404.68	197.58	269.49	153.76	-6,941.21	-14,220.35	7,201.62	7,037.11	164.51	43.776		
14,900.00	7,001.00	17,140.00	7,404.68	199.47	269.49	153.76	-6,941.21	-14,220.35	7,101.84	6,937.20	164.64	43.135		
15,000.00	7,001.00	17,140.00	7,404.68	201.39	269.49	153.76	-6,941.21	-14,220.35	7,002.06	6,837.29	164.78	42.493		
15,100.00	7,001.00	17,140.00	7,404.68	203.32	269.49	153.76	-6,941.21	-14,220.35	6,902.30	6,737.38	164.92	41.852		
15,200.00	7,001.00	17,140.00	7,404.68	205.28	269.49	153.76	-6,941.21	-14,220.35	6,802.54	6,637.47	165.07	41.210		
15,300.00	7,001.00	17,140.00	7,404.68	207.25	269.49	153.76	-6,941.21	-14,220.35	6,702.79	6,537.57	165.22	40.569		
15,400.00	7,001.00	17,140.00	7,404.68	209.25	269.49	153.76	-6,941.21	-14,220.35	6,603.04	6,437.66	165.38	39.927		
15,500.00	7,001.00	17,140.00	7,404.68	211.26	269.49	153.76	-6,941.21	-14,220.35	6,503.30	6,337.76	165.54	39.286		
15,600.00	7,001.00	17,140.00	7,404.68	213.30	269.49	153.76	-6,941.21	-14,220.35	6,403.57	6,237.87	165.71	38.644		
15,700.00	7,001.00	17,140.00	7,404.68	215.35	269.49	153.76	-6,941.21	-14,220.35	6,303.85	6,137.97	165.88	38.002		
15,800.00	7,001.00	17,140.00	7,404.68	217.42	269.49	153.76	-6,941.21	-14,220.35	6,204.14	6,038.08	166.06	37.361		
15,900.00	7,001.00	17,140.00	7,404.68	219.50	269.49	153.76	-6,941.21	-14,220.35	6,104.44	5,938.19	166.25	36.719		
16,000.00	7,001.00	17,140.00	7,404.68	221.60	269.49	153.76	-6,941.21	-14,220.35	6,004.75	5,838.31	166.44	36.077		
16,100.00	7,001.00	17,140.00	7,404.68	223.72	269.49	153.76	-6,941.21	-14,220.35	5,905.07	5,738.42	166.64	35.436		
16,200.00	7,001.00	17,140.00	7,404.68	225.85	269.49	153.76	-6,941.21	-14,220.35	5,805.39	5,638.54	166.85	34.794		
16,300.00	7,001.00	17,140.00	7,404.68	228.00	269.49	153.76	-6,941.21	-14,220.35	5,705.73	5,538.67	167.07	34.152		
16,400.00	7,001.00	17,140.00	7,404.68	230.16	269.49	153.76	-6,941.21	-14,220.35	5,606.09	5,438.79	167.30	33.510		
16,500.00	7,001.00	17,140.00	7,404.68	232.34	269.49	153.76	-6,941.21	-14,220.35	5,506.45	5,338.92	167.53	32.868		
16,600.00	7,001.00	17,140.00	7,404.68	234.53	269.49	153.76	-6,941.21	-14,220.35	5,406.83	5,239.06	167.78	32.226		
16,700.00	7,001.00	17,140.00	7,404.68	236.73	269.49	153.76	-6,941.21	-14,220.35	5,307.23	5,139.19	168.03	31.584		
16,800.00	7,001.00	17,140.00	7,404.68	238.95	269.49	153.76	-6,941.21	-14,220.35	5,207.63	5,039.33	168.30	30.942		
16,900.00	7,001.00	17,140.00	7,404.68	241.18	269.49	153.76	-6,941.21	-14,220.35	5,108.06	4,939.48	168.58	30.300		
17,000.00	7,001.00	17,140.00	7,404.68	243.42	269.49	153.76	-6,941.21	-14,220.35	5,008.50	4,839.63	168.87	29.658		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1652-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,100.00	7,001.00	17,140.00	7,404.68	245.67	269.49	153.76	-6,941.21	-14,220.35	4,908.96	4,739.78	169.18	29.016		
17,200.00	7,001.00	17,140.00	7,404.68	247.93	269.49	153.76	-6,941.21	-14,220.35	4,809.44	4,639.94	169.50	28.374		
17,300.00	7,001.00	17,140.00	7,404.68	250.21	269.49	153.76	-6,941.21	-14,220.35	4,709.93	4,540.10	169.84	27.732		
17,400.00	7,001.00	17,140.00	7,404.68	252.50	269.49	153.76	-6,941.21	-14,220.35	4,610.45	4,440.26	170.19	27.090		
17,500.00	7,001.00	17,140.00	7,404.68	254.79	269.49	153.76	-6,941.21	-14,220.35	4,511.00	4,340.44	170.56	26.448		
17,600.00	7,001.00	17,140.00	7,404.68	257.10	269.49	153.76	-6,941.21	-14,220.35	4,411.57	4,240.61	170.95	25.806		
17,700.00	7,001.00	17,140.00	7,404.68	259.42	269.49	153.76	-6,941.21	-14,220.35	4,312.16	4,140.79	171.37	25.163		
17,800.00	7,001.00	17,140.00	7,404.68	261.74	269.49	153.76	-6,941.21	-14,220.35	4,212.78	4,040.98	171.80	24.521		
17,900.00	7,001.00	17,140.00	7,404.68	264.08	269.49	153.76	-6,941.21	-14,220.35	4,113.43	3,941.17	172.26	23.879		
18,000.00	7,001.00	17,140.00	7,404.68	266.42	269.49	153.76	-6,941.21	-14,220.35	4,014.12	3,841.37	172.75	23.237		
18,100.00	7,001.00	17,140.00	7,404.68	268.78	269.49	153.76	-6,941.21	-14,220.35	3,914.84	3,741.57	173.26	22.595		
18,200.00	7,001.00	17,140.00	7,404.68	271.14	269.49	153.76	-6,941.21	-14,220.35	3,815.59	3,641.78	173.81	21.953		
18,300.00	7,001.00	17,140.00	7,404.68	273.51	269.49	153.76	-6,941.21	-14,220.35	3,716.39	3,542.00	174.39	21.311		
18,400.00	7,001.00	17,140.00	7,404.68	275.89	269.49	153.76	-6,941.21	-14,220.35	3,617.23	3,442.22	175.01	20.669		
18,500.00	7,001.00	17,140.00	7,404.68	278.27	269.49	153.76	-6,941.21	-14,220.35	3,518.12	3,342.45	175.67	20.027		
18,600.00	7,001.00	17,140.00	7,404.68	280.67	269.49	153.76	-6,941.21	-14,220.35	3,419.06	3,242.69	176.37	19.385		
18,700.00	7,001.00	17,140.00	7,404.68	283.07	269.49	153.76	-6,941.21	-14,220.35	3,320.06	3,142.93	177.13	18.744		
18,800.00	7,001.00	17,140.00	7,404.68	285.48	269.49	153.76	-6,941.21	-14,220.35	3,221.12	3,043.18	177.94	18.103		
18,900.00	7,001.00	17,140.00	7,404.68	287.89	269.49	153.76	-6,941.21	-14,220.35	3,122.24	2,943.44	178.80	17.462		
19,000.00	7,001.00	17,140.00	7,404.68	290.31	269.49	153.76	-6,941.21	-14,220.35	3,023.44	2,843.71	179.74	16.821		
19,100.00	7,001.00	17,140.00	7,404.68	292.74	269.49	153.76	-6,941.21	-14,220.35	2,924.73	2,743.98	180.75	16.181		
19,200.00	7,001.00	17,140.00	7,404.68	295.17	269.49	153.76	-6,941.21	-14,220.35	2,826.10	2,644.26	181.84	15.542		
19,300.00	7,001.00	17,140.00	7,404.68	297.61	269.49	153.76	-6,941.21	-14,220.35	2,727.57	2,544.55	183.02	14.903		
19,400.00	7,001.00	17,140.00	7,404.68	300.06	269.49	153.76	-6,941.21	-14,220.35	2,629.15	2,444.85	184.30	14.265		
19,500.00	7,001.00	17,140.00	7,404.68	302.51	269.49	153.76	-6,941.21	-14,220.35	2,530.86	2,345.16	185.70	13.629		
19,600.00	7,001.00	17,140.00	7,404.68	304.97	269.49	153.76	-6,941.21	-14,220.35	2,432.71	2,245.48	187.23	12.993		
19,700.00	7,001.00	17,140.00	7,404.68	307.43	269.49	153.76	-6,941.21	-14,220.35	2,334.71	2,145.80	188.91	12.359		
19,800.00	7,001.00	17,140.00	7,404.68	309.90	269.49	153.76	-6,941.21	-14,220.35	2,236.89	2,046.14	190.75	11.727		
19,900.00	7,001.00	17,140.00	7,404.68	312.38	269.49	153.76	-6,941.21	-14,220.35	2,139.27	1,946.49	192.78	11.097		
20,000.00	7,001.00	17,140.00	7,404.68	314.85	269.49	153.76	-6,941.21	-14,220.35	2,041.88	1,846.86	195.03	10.470		
20,100.00	7,001.00	17,140.00	7,404.68	317.34	269.49	153.76	-6,941.21	-14,220.35	1,944.76	1,747.23	197.53	9.846		
20,200.00	7,001.00	17,140.00	7,404.68	319.83	269.49	153.76	-6,941.21	-14,220.35	1,847.95	1,647.63	200.31	9.225		
20,300.00	7,001.00	17,140.00	7,404.68	322.32	269.49	153.76	-6,941.21	-14,220.35	1,751.49	1,548.06	203.43	8.610		
20,400.00	7,001.00	17,140.00	7,404.68	324.82	269.49	153.76	-6,941.21	-14,220.35	1,655.45	1,448.51	206.94	8.000		
20,500.00	7,001.00	17,140.00	7,404.68	327.32	269.49	153.76	-6,941.21	-14,220.35	1,559.91	1,349.00	210.91	7.396		
20,600.00	7,001.00	17,140.00	7,404.68	329.83	269.49	153.76	-6,941.21	-14,220.35	1,464.97	1,249.56	215.41	6.801		
20,700.00	7,001.00	17,140.00	7,404.68	332.34	269.49	153.76	-6,941.21	-14,220.35	1,370.75	1,150.20	220.55	6.215		
20,800.00	7,001.00	17,140.00	7,404.68	334.85	269.49	153.76	-6,941.21	-14,220.35	1,277.40	1,050.97	226.43	5.641		
20,900.00	7,001.00	17,140.00	7,404.68	337.37	269.49	153.76	-6,941.21	-14,220.35	1,185.14	951.93	233.21	5.082		
21,000.00	7,001.00	17,140.00	7,404.68	339.89	269.49	153.76	-6,941.21	-14,220.35	1,094.24	853.18	241.06	4.539		
21,100.00	7,001.00	17,140.00	7,404.68	342.42	269.49	153.76	-6,941.21	-14,220.35	1,005.07	754.91	250.17	4.018		
21,200.00	7,001.00	17,140.00	7,404.68	344.95	269.49	153.76	-6,941.21	-14,220.35	918.14	657.39	260.75	3.521		
21,300.00	7,001.00	17,140.00	7,404.68	347.48	269.49	153.76	-6,941.21	-14,220.35	834.14	561.13	273.01	3.055		
21,400.00	7,001.00	17,140.00	7,404.68	350.02	269.49	153.76	-6,941.21	-14,220.35	754.05	466.98	287.08	2.627		
21,500.00	7,001.00	17,140.00	7,404.68	352.56	269.49	153.76	-6,941.21	-14,220.35	679.27	376.43	302.83	2.243		
21,600.00	7,001.00	17,140.00	7,404.68	355.10	269.49	153.76	-6,941.21	-14,220.35	611.73	292.09	319.63	1.914		
21,700.00	7,001.00	17,140.00	7,404.68	357.65	269.49	153.76	-6,941.21	-14,220.35	554.09	218.29	335.80	1.650		
21,800.00	7,001.00	17,140.00	7,404.68	360.20	269.49	153.76	-6,941.21	-14,220.35	509.73	161.58	348.16	1.464	Level 3	
21,818.56	7,001.00	17,140.00	7,404.68	360.67	269.49	153.76	-6,941.21	-14,220.35	503.26	153.57	349.68	1.439	Level 3, CC, ES, SF	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1655-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,900.00	7,001.00	16,920.00	7,238.92	154.06	269.68	171.55	-7,112.47	-14,214.71	10,083.47	9,922.58	160.88	62.676		
12,000.00	7,001.00	16,920.00	7,238.92	155.15	269.68	171.55	-7,112.47	-14,214.71	9,983.50	9,822.61	160.89	62.050		
12,100.00	7,001.00	16,920.00	7,238.92	156.27	269.68	171.55	-7,112.47	-14,214.71	9,883.54	9,722.63	160.91	61.424		
12,200.00	7,001.00	16,920.00	7,238.92	157.43	269.68	171.55	-7,112.47	-14,214.71	9,783.57	9,622.65	160.92	60.798		
12,300.00	7,001.00	16,920.00	7,238.92	158.61	269.68	171.55	-7,112.47	-14,214.71	9,683.61	9,522.67	160.93	60.172		
12,400.00	7,001.00	16,920.00	7,238.92	159.82	269.68	171.55	-7,112.47	-14,214.71	9,583.64	9,422.70	160.95	59.546		
12,500.00	7,001.00	16,920.00	7,238.92	161.07	269.68	171.55	-7,112.47	-14,214.71	9,483.68	9,322.72	160.96	58.920		
12,600.00	7,001.00	16,920.00	7,238.92	162.34	269.68	171.55	-7,112.47	-14,214.71	9,383.72	9,222.75	160.97	58.293		
12,700.00	7,001.00	16,920.00	7,238.92	163.64	269.68	171.55	-7,112.47	-14,214.71	9,283.76	9,122.77	160.99	57.667		
12,800.00	7,001.00	16,920.00	7,238.92	164.98	269.68	171.55	-7,112.47	-14,214.71	9,183.80	9,022.80	161.00	57.041		
12,900.00	7,001.00	16,920.00	7,238.92	166.34	269.68	171.55	-7,112.47	-14,214.71	9,083.84	8,922.82	161.02	56.415		
13,000.00	7,001.00	16,920.00	7,238.92	167.74	269.68	171.55	-7,112.47	-14,214.71	8,983.89	8,822.85	161.03	55.789		
13,100.00	7,001.00	16,920.00	7,238.92	169.16	269.68	171.55	-7,112.47	-14,214.71	8,883.93	8,722.88	161.05	55.163		
13,200.00	7,001.00	16,920.00	7,238.92	170.61	269.68	171.55	-7,112.47	-14,214.71	8,783.97	8,622.91	161.07	54.536		
13,300.00	7,001.00	16,920.00	7,238.92	172.10	269.68	171.55	-7,112.47	-14,214.71	8,684.02	8,522.94	161.08	53.910		
13,400.00	7,001.00	16,920.00	7,238.92	173.61	269.68	171.55	-7,112.47	-14,214.71	8,584.06	8,422.96	161.10	53.284		
13,500.00	7,001.00	16,920.00	7,238.92	175.15	269.68	171.55	-7,112.47	-14,214.71	8,484.11	8,322.99	161.12	52.658		
13,600.00	7,001.00	16,920.00	7,238.92	176.72	269.68	171.55	-7,112.47	-14,214.71	8,384.16	8,223.03	161.13	52.032		
13,700.00	7,001.00	16,920.00	7,238.92	178.31	269.68	171.55	-7,112.47	-14,214.71	8,284.21	8,123.06	161.15	51.406		
13,800.00	7,001.00	16,920.00	7,238.92	179.94	269.68	171.55	-7,112.47	-14,214.71	8,184.26	8,023.09	161.17	50.780		
13,900.00	7,001.00	16,920.00	7,238.92	181.59	269.68	171.55	-7,112.47	-14,214.71	8,084.31	7,923.12	161.19	50.154		
14,000.00	7,001.00	16,920.00	7,238.92	183.26	269.68	171.55	-7,112.47	-14,214.71	7,984.37	7,823.16	161.21	49.528		
14,100.00	7,001.00	16,920.00	7,238.92	184.97	269.68	171.55	-7,112.47	-14,214.71	7,884.42	7,723.19	161.23	48.902		
14,200.00	7,001.00	16,920.00	7,238.92	186.70	269.68	171.55	-7,112.47	-14,214.71	7,784.48	7,623.23	161.25	48.276		
14,300.00	7,001.00	16,920.00	7,238.92	188.45	269.68	171.55	-7,112.47	-14,214.71	7,684.54	7,523.27	161.27	47.650		
14,400.00	7,001.00	16,920.00	7,238.92	190.23	269.68	171.55	-7,112.47	-14,214.71	7,584.59	7,423.30	161.29	47.024		
14,500.00	7,001.00	16,920.00	7,238.92	192.03	269.68	171.55	-7,112.47	-14,214.71	7,484.66	7,323.34	161.31	46.399		
14,600.00	7,001.00	16,920.00	7,238.92	193.86	269.68	171.55	-7,112.47	-14,214.71	7,384.72	7,223.38	161.33	45.773		
14,700.00	7,001.00	16,920.00	7,238.92	195.71	269.68	171.55	-7,112.47	-14,214.71	7,284.78	7,123.43	161.36	45.147		
14,800.00	7,001.00	16,920.00	7,238.92	197.58	269.68	171.55	-7,112.47	-14,214.71	7,184.85	7,023.47	161.38	44.521		
14,900.00	7,001.00	16,920.00	7,238.92	199.47	269.68	171.55	-7,112.47	-14,214.71	7,084.92	6,923.51	161.40	43.896		
15,000.00	7,001.00	16,920.00	7,238.92	201.39	269.68	171.55	-7,112.47	-14,214.71	6,984.99	6,823.56	161.43	43.270		
15,100.00	7,001.00	16,920.00	7,238.92	203.32	269.68	171.55	-7,112.47	-14,214.71	6,885.06	6,723.61	161.45	42.645		
15,200.00	7,001.00	16,920.00	7,238.92	205.28	269.68	171.55	-7,112.47	-14,214.71	6,785.13	6,623.65	161.48	42.019		
15,300.00	7,001.00	16,920.00	7,238.92	207.25	269.68	171.55	-7,112.47	-14,214.71	6,685.21	6,523.70	161.50	41.394		
15,400.00	7,001.00	16,920.00	7,238.92	209.25	269.68	171.55	-7,112.47	-14,214.71	6,585.29	6,423.76	161.53	40.768		
15,500.00	7,001.00	16,920.00	7,238.92	211.26	269.68	171.55	-7,112.47	-14,214.71	6,485.37	6,323.81	161.56	40.143		
15,600.00	7,001.00	16,920.00	7,238.92	213.30	269.68	171.55	-7,112.47	-14,214.71	6,385.45	6,223.86	161.59	39.517		
15,700.00	7,001.00	16,920.00	7,238.92	215.35	269.68	171.55	-7,112.47	-14,214.71	6,285.54	6,123.92	161.61	38.892		
15,800.00	7,001.00	16,920.00	7,238.92	217.42	269.68	171.55	-7,112.47	-14,214.71	6,185.63	6,023.98	161.64	38.267		
15,900.00	7,001.00	16,920.00	7,238.92	219.50	269.68	171.55	-7,112.47	-14,214.71	6,085.72	5,924.04	161.67	37.642		
16,000.00	7,001.00	16,920.00	7,238.92	221.60	269.68	171.55	-7,112.47	-14,214.71	5,985.81	5,824.11	161.71	37.017		
16,100.00	7,001.00	16,920.00	7,238.92	223.72	269.68	171.55	-7,112.47	-14,214.71	5,885.91	5,724.17	161.74	36.392		
16,200.00	7,001.00	16,920.00	7,238.92	225.85	269.68	171.55	-7,112.47	-14,214.71	5,786.01	5,624.24	161.77	35.767		
16,300.00	7,001.00	16,920.00	7,238.92	228.00	269.68	171.55	-7,112.47	-14,214.71	5,686.12	5,524.31	161.80	35.142		
16,400.00	7,001.00	16,920.00	7,238.92	230.16	269.68	171.55	-7,112.47	-14,214.71	5,586.22	5,424.39	161.84	34.517		
16,500.00	7,001.00	16,920.00	7,238.92	232.34	269.68	171.55	-7,112.47	-14,214.71	5,486.34	5,324.46	161.88	33.892		
16,600.00	7,001.00	16,920.00	7,238.92	234.53	269.68	171.55	-7,112.47	-14,214.71	5,386.45	5,224.54	161.91	33.268		
16,700.00	7,001.00	16,920.00	7,238.92	236.73	269.68	171.55	-7,112.47	-14,214.71	5,286.58	5,124.62	161.95	32.643		
16,800.00	7,001.00	16,920.00	7,238.92	238.95	269.68	171.55	-7,112.47	-14,214.71	5,186.70	5,024.71	161.99	32.019		
16,900.00	7,001.00	16,920.00	7,238.92	241.18	269.68	171.55	-7,112.47	-14,214.71	5,086.83	4,924.80	162.03	31.394		
17,000.00	7,001.00	16,920.00	7,238.92	243.42	269.68	171.55	-7,112.47	-14,214.71	4,986.97	4,824.89	162.07	30.770		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1655-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,100.00	7,001.00	16,920.00	7,238.92	245.67	269.68	171.55	-7,112.47	-14,214.71	4,887.11	4,724.99	162.12	30.145		
17,200.00	7,001.00	16,920.00	7,238.92	247.93	269.68	171.55	-7,112.47	-14,214.71	4,787.26	4,625.09	162.16	29.521		
17,300.00	7,001.00	16,920.00	7,238.92	250.21	269.68	171.55	-7,112.47	-14,214.71	4,687.41	4,525.20	162.21	28.897		
17,400.00	7,001.00	16,920.00	7,238.92	252.50	269.68	171.55	-7,112.47	-14,214.71	4,587.57	4,425.31	162.26	28.273		
17,500.00	7,001.00	16,920.00	7,238.92	254.79	269.68	171.55	-7,112.47	-14,214.71	4,487.74	4,325.43	162.31	27.649		
17,600.00	7,001.00	16,920.00	7,238.92	257.10	269.68	171.55	-7,112.47	-14,214.71	4,387.92	4,225.55	162.37	27.025		
17,700.00	7,001.00	16,920.00	7,238.92	259.42	269.68	171.55	-7,112.47	-14,214.71	4,288.10	4,125.68	162.42	26.401		
17,800.00	7,001.00	16,920.00	7,238.92	261.74	269.68	171.55	-7,112.47	-14,214.71	4,188.29	4,025.81	162.48	25.777		
17,900.00	7,001.00	16,920.00	7,238.92	264.08	269.68	171.55	-7,112.47	-14,214.71	4,088.49	3,925.95	162.54	25.153		
18,000.00	7,001.00	16,920.00	7,238.92	266.42	269.68	171.55	-7,112.47	-14,214.71	3,988.71	3,826.10	162.61	24.529		
18,100.00	7,001.00	16,920.00	7,238.92	268.78	269.68	171.55	-7,112.47	-14,214.71	3,888.93	3,726.25	162.68	23.906		
18,200.00	7,001.00	16,920.00	7,238.92	271.14	269.68	171.55	-7,112.47	-14,214.71	3,789.16	3,626.41	162.75	23.282		
18,300.00	7,001.00	16,920.00	7,238.92	273.51	269.68	171.55	-7,112.47	-14,214.71	3,689.41	3,526.59	162.82	22.659		
18,400.00	7,001.00	16,920.00	7,238.92	275.89	269.68	171.55	-7,112.47	-14,214.71	3,589.67	3,426.77	162.91	22.035		
18,500.00	7,001.00	16,920.00	7,238.92	278.27	269.68	171.55	-7,112.47	-14,214.71	3,489.95	3,326.96	162.99	21.412		
18,600.00	7,001.00	16,920.00	7,238.92	280.67	269.68	171.55	-7,112.47	-14,214.71	3,390.24	3,227.16	163.08	20.789		
18,700.00	7,001.00	16,920.00	7,238.92	283.07	269.68	171.55	-7,112.47	-14,214.71	3,290.55	3,127.37	163.18	20.165		
18,800.00	7,001.00	16,920.00	7,238.92	285.48	269.68	171.55	-7,112.47	-14,214.71	3,190.88	3,027.60	163.28	19.542		
18,900.00	7,001.00	16,920.00	7,238.92	287.89	269.68	171.55	-7,112.47	-14,214.71	3,091.23	2,927.84	163.39	18.919		
19,000.00	7,001.00	16,920.00	7,238.92	290.31	269.68	171.55	-7,112.47	-14,214.71	2,991.60	2,828.09	163.51	18.296		
19,100.00	7,001.00	16,920.00	7,238.92	292.74	269.68	171.55	-7,112.47	-14,214.71	2,892.00	2,728.36	163.64	17.673		
19,200.00	7,001.00	16,920.00	7,238.92	295.17	269.68	171.55	-7,112.47	-14,214.71	2,792.43	2,628.65	163.78	17.050		
19,300.00	7,001.00	16,920.00	7,238.92	297.61	269.68	171.55	-7,112.47	-14,214.71	2,692.89	2,528.96	163.93	16.427		
19,400.00	7,001.00	16,920.00	7,238.92	300.06	269.68	171.55	-7,112.47	-14,214.71	2,593.39	2,429.29	164.10	15.804		
19,500.00	7,001.00	16,920.00	7,238.92	302.51	269.68	171.55	-7,112.47	-14,214.71	2,493.92	2,329.64	164.28	15.181		
19,600.00	7,001.00	16,920.00	7,238.92	304.97	269.68	171.55	-7,112.47	-14,214.71	2,394.50	2,230.02	164.48	14.558		
19,700.00	7,001.00	16,920.00	7,238.92	307.43	269.68	171.55	-7,112.47	-14,214.71	2,295.13	2,130.43	164.71	13.935		
19,800.00	7,001.00	16,920.00	7,238.92	309.90	269.68	171.55	-7,112.47	-14,214.71	2,195.82	2,030.87	164.95	13.312		
19,900.00	7,001.00	16,920.00	7,238.92	312.38	269.68	171.55	-7,112.47	-14,214.71	2,096.57	1,931.34	165.23	12.689		
20,000.00	7,001.00	16,920.00	7,238.92	314.85	269.68	171.55	-7,112.47	-14,214.71	1,997.40	1,831.86	165.54	12.066		
20,100.00	7,001.00	16,920.00	7,238.92	317.34	269.68	171.55	-7,112.47	-14,214.71	1,898.32	1,732.42	165.90	11.443		
20,200.00	7,001.00	16,920.00	7,238.92	319.83	269.68	171.55	-7,112.47	-14,214.71	1,799.33	1,633.02	166.31	10.819		
20,300.00	7,001.00	16,920.00	7,238.92	322.32	269.68	171.55	-7,112.47	-14,214.71	1,700.47	1,533.69	166.78	10.196		
20,400.00	7,001.00	16,920.00	7,238.92	324.82	269.68	171.55	-7,112.47	-14,214.71	1,601.74	1,434.42	167.32	9.573		
20,500.00	7,001.00	16,920.00	7,238.92	327.32	269.68	171.55	-7,112.47	-14,214.71	1,503.19	1,335.23	167.96	8.950		
20,600.00	7,001.00	16,920.00	7,238.92	329.83	269.68	171.55	-7,112.47	-14,214.71	1,404.84	1,236.12	168.71	8.327		
20,700.00	7,001.00	16,920.00	7,238.92	332.34	269.68	171.55	-7,112.47	-14,214.71	1,306.73	1,137.11	169.62	7.704		
20,800.00	7,001.00	16,920.00	7,238.92	334.85	269.68	171.55	-7,112.47	-14,214.71	1,208.94	1,038.22	170.72	7.081		
20,900.00	7,001.00	16,920.00	7,238.92	337.37	269.68	171.55	-7,112.47	-14,214.71	1,111.55	939.48	172.07	6.460		
21,000.00	7,001.00	16,920.00	7,238.92	339.89	269.68	171.55	-7,112.47	-14,214.71	1,014.66	840.91	173.75	5.840		
21,100.00	7,001.00	16,920.00	7,238.92	342.42	269.68	171.55	-7,112.47	-14,214.71	918.43	742.55	175.88	5.222		
21,200.00	7,001.00	16,920.00	7,238.92	344.95	269.68	171.55	-7,112.47	-14,214.71	823.11	644.49	178.62	4.608		
21,300.00	7,001.00	16,920.00	7,238.92	347.48	269.68	171.55	-7,112.47	-14,214.71	729.04	546.83	182.21	4.001		
21,400.00	7,001.00	16,920.00	7,238.92	350.02	269.68	171.55	-7,112.47	-14,214.71	636.79	449.79	187.00	3.405		
21,500.00	7,001.00	16,920.00	7,238.92	352.56	269.68	171.55	-7,112.47	-14,214.71	547.25	353.79	193.47	2.829		
21,600.00	7,001.00	16,920.00	7,238.92	355.10	269.68	171.55	-7,112.47	-14,214.71	462.04	259.77	202.27	2.284		
21,700.00	7,001.00	16,920.00	7,238.92	357.65	269.68	171.55	-7,112.47	-14,214.71	384.02	170.07	213.95	1.795		
21,800.00	7,001.00	16,920.00	7,238.92	360.20	269.68	171.55	-7,112.47	-14,214.71	318.53	90.69	227.84	1.398 Level 3		
21,818.56	7,001.00	16,920.00	7,238.92	360.67	269.68	171.55	-7,112.47	-14,214.71	308.42	78.05	230.37	1.339 Level 3, CC, ES, SF		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1656-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,800.00	7,001.00	17,070.00	7,159.63	153.00	269.63	-119.17	-7,474.77	-14,191.36	10,162.87	9,998.41	164.46	61.796		
11,900.00	7,001.00	17,070.00	7,159.63	154.06	269.63	-119.17	-7,474.77	-14,191.36	10,062.93	9,898.52	164.41	61.205		
12,000.00	7,001.00	17,070.00	7,159.63	155.15	269.63	-119.17	-7,474.77	-14,191.36	9,963.00	9,798.63	164.37	60.614		
12,100.00	7,001.00	17,070.00	7,159.63	156.27	269.63	-119.17	-7,474.77	-14,191.36	9,863.07	9,698.75	164.32	60.023		
12,200.00	7,001.00	17,070.00	7,159.63	157.43	269.63	-119.17	-7,474.77	-14,191.36	9,763.14	9,598.87	164.28	59.432		
12,300.00	7,001.00	17,070.00	7,159.63	158.61	269.63	-119.17	-7,474.77	-14,191.36	9,663.22	9,498.99	164.23	58.840		
12,400.00	7,001.00	17,070.00	7,159.63	159.82	269.63	-119.17	-7,474.77	-14,191.36	9,563.29	9,399.11	164.18	58.249		
12,500.00	7,001.00	17,070.00	7,159.63	161.07	269.63	-119.17	-7,474.77	-14,191.36	9,463.37	9,299.24	164.13	57.658		
12,600.00	7,001.00	17,070.00	7,159.63	162.34	269.63	-119.17	-7,474.77	-14,191.36	9,363.44	9,199.36	164.08	57.066		
12,700.00	7,001.00	17,070.00	7,159.63	163.64	269.63	-119.17	-7,474.77	-14,191.36	9,263.52	9,099.49	164.03	56.475		
12,800.00	7,001.00	17,070.00	7,159.63	164.98	269.63	-119.17	-7,474.77	-14,191.36	9,163.60	8,999.63	163.98	55.883		
12,900.00	7,001.00	17,070.00	7,159.63	166.34	269.63	-119.17	-7,474.77	-14,191.36	9,063.69	8,899.76	163.93	55.291		
13,000.00	7,001.00	17,070.00	7,159.63	167.74	269.63	-119.17	-7,474.77	-14,191.36	8,963.77	8,799.90	163.87	54.700		
13,100.00	7,001.00	17,070.00	7,159.63	169.16	269.63	-119.17	-7,474.77	-14,191.36	8,863.86	8,700.04	163.82	54.108		
13,200.00	7,001.00	17,070.00	7,159.63	170.61	269.63	-119.17	-7,474.77	-14,191.36	8,763.95	8,600.18	163.76	53.516		
13,300.00	7,001.00	17,070.00	7,159.63	172.10	269.63	-119.17	-7,474.77	-14,191.36	8,664.04	8,500.33	163.71	52.924		
13,400.00	7,001.00	17,070.00	7,159.63	173.61	269.63	-119.17	-7,474.77	-14,191.36	8,564.13	8,400.48	163.65	52.332		
13,500.00	7,001.00	17,070.00	7,159.63	175.15	269.63	-119.17	-7,474.77	-14,191.36	8,464.22	8,300.63	163.59	51.740		
13,600.00	7,001.00	17,070.00	7,159.63	176.72	269.63	-119.17	-7,474.77	-14,191.36	8,364.32	8,200.79	163.53	51.147		
13,700.00	7,001.00	17,070.00	7,159.63	178.31	269.63	-119.17	-7,474.77	-14,191.36	8,264.42	8,100.95	163.47	50.555		
13,800.00	7,001.00	17,070.00	7,159.63	179.94	269.63	-119.17	-7,474.77	-14,191.36	8,164.52	8,001.11	163.41	49.963		
13,900.00	7,001.00	17,070.00	7,159.63	181.59	269.63	-119.17	-7,474.77	-14,191.36	8,064.63	7,901.28	163.35	49.370		
14,000.00	7,001.00	17,070.00	7,159.63	183.26	269.63	-119.17	-7,474.77	-14,191.36	7,964.73	7,801.45	163.29	48.778		
14,100.00	7,001.00	17,070.00	7,159.63	184.97	269.63	-119.17	-7,474.77	-14,191.36	7,864.84	7,701.62	163.22	48.185		
14,200.00	7,001.00	17,070.00	7,159.63	186.70	269.63	-119.17	-7,474.77	-14,191.36	7,764.96	7,601.80	163.16	47.592		
14,300.00	7,001.00	17,070.00	7,159.63	188.45	269.63	-119.17	-7,474.77	-14,191.36	7,665.07	7,501.98	163.09	46.999		
14,400.00	7,001.00	17,070.00	7,159.63	190.23	269.63	-119.17	-7,474.77	-14,191.36	7,565.19	7,402.17	163.02	46.406		
14,500.00	7,001.00	17,070.00	7,159.63	192.03	269.63	-119.17	-7,474.77	-14,191.36	7,465.31	7,302.36	162.95	45.813		
14,600.00	7,001.00	17,070.00	7,159.63	193.86	269.63	-119.17	-7,474.77	-14,191.36	7,365.44	7,202.56	162.88	45.220		
14,700.00	7,001.00	17,070.00	7,159.63	195.71	269.63	-119.17	-7,474.77	-14,191.36	7,265.57	7,102.76	162.81	44.627		
14,800.00	7,001.00	17,070.00	7,159.63	197.58	269.63	-119.17	-7,474.77	-14,191.36	7,165.70	7,002.97	162.73	44.034		
14,900.00	7,001.00	17,070.00	7,159.63	199.47	269.63	-119.17	-7,474.77	-14,191.36	7,065.83	6,903.18	162.66	43.440		
15,000.00	7,001.00	17,070.00	7,159.63	201.39	269.63	-119.17	-7,474.77	-14,191.36	6,965.97	6,803.39	162.58	42.847		
15,100.00	7,001.00	17,070.00	7,159.63	203.32	269.63	-119.17	-7,474.77	-14,191.36	6,866.12	6,703.62	162.50	42.253		
15,200.00	7,001.00	17,070.00	7,159.63	205.28	269.63	-119.17	-7,474.77	-14,191.36	6,766.27	6,603.85	162.42	41.659		
15,300.00	7,001.00	17,070.00	7,159.63	207.25	269.63	-119.17	-7,474.77	-14,191.36	6,666.42	6,504.08	162.34	41.065		
15,400.00	7,001.00	17,070.00	7,159.63	209.25	269.63	-119.17	-7,474.77	-14,191.36	6,566.57	6,404.32	162.25	40.471		
15,500.00	7,001.00	17,070.00	7,159.63	211.26	269.63	-119.17	-7,474.77	-14,191.36	6,466.74	6,304.57	162.17	39.877		
15,600.00	7,001.00	17,070.00	7,159.63	213.30	269.63	-119.17	-7,474.77	-14,191.36	6,366.90	6,204.82	162.08	39.283		
15,700.00	7,001.00	17,070.00	7,159.63	215.35	269.63	-119.17	-7,474.77	-14,191.36	6,267.08	6,105.09	161.99	38.688		
15,800.00	7,001.00	17,070.00	7,159.63	217.42	269.63	-119.17	-7,474.77	-14,191.36	6,167.25	6,005.36	161.90	38.093		
15,900.00	7,001.00	17,070.00	7,159.63	219.50	269.63	-119.17	-7,474.77	-14,191.36	6,067.44	5,905.63	161.80	37.498		
16,000.00	7,001.00	17,070.00	7,159.63	221.60	269.63	-119.17	-7,474.77	-14,191.36	5,967.63	5,805.92	161.71	36.903		
16,100.00	7,001.00	17,070.00	7,159.63	223.72	269.63	-119.17	-7,474.77	-14,191.36	5,867.82	5,706.21	161.61	36.308		
16,200.00	7,001.00	17,070.00	7,159.63	225.85	269.63	-119.17	-7,474.77	-14,191.36	5,768.03	5,606.52	161.51	35.713		
16,300.00	7,001.00	17,070.00	7,159.63	228.00	269.63	-119.17	-7,474.77	-14,191.36	5,668.24	5,506.83	161.41	35.117		
16,400.00	7,001.00	17,070.00	7,159.63	230.16	269.63	-119.17	-7,474.77	-14,191.36	5,568.45	5,407.15	161.30	34.521		
16,500.00	7,001.00	17,070.00	7,159.63	232.34	269.63	-119.17	-7,474.77	-14,191.36	5,468.68	5,307.48	161.20	33.925		
16,600.00	7,001.00	17,070.00	7,159.63	234.53	269.63	-119.17	-7,474.77	-14,191.36	5,368.91	5,207.83	161.09	33.329		
16,700.00	7,001.00	17,070.00	7,159.63	236.73	269.63	-119.17	-7,474.77	-14,191.36	5,269.16	5,108.18	160.98	32.733		
16,800.00	7,001.00	17,070.00	7,159.63	238.95	269.63	-119.17	-7,474.77	-14,191.36	5,169.41	5,008.55	160.86	32.136		
16,900.00	7,001.00	17,070.00	7,159.63	241.18	269.63	-119.17	-7,474.77	-14,191.36	5,069.67	4,908.93	160.74	31.539		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1656-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,000.00	7,001.00	17,070.00	7,159.63	243.42	269.63	-119.17	-7,474.77	-14,191.36	4,969.95	4,809.32	160.63	30.941		
17,100.00	7,001.00	17,070.00	7,159.63	245.67	269.63	-119.17	-7,474.77	-14,191.36	4,870.23	4,709.73	160.50	30.344		
17,200.00	7,001.00	17,070.00	7,159.63	247.93	269.63	-119.17	-7,474.77	-14,191.36	4,770.53	4,610.15	160.38	29.746		
17,300.00	7,001.00	17,070.00	7,159.63	250.21	269.63	-119.17	-7,474.77	-14,191.36	4,670.84	4,510.58	160.25	29.147		
17,400.00	7,001.00	17,070.00	7,159.63	252.50	269.63	-119.17	-7,474.77	-14,191.36	4,571.16	4,411.04	160.12	28.548		
17,500.00	7,001.00	17,070.00	7,159.63	254.79	269.63	-119.17	-7,474.77	-14,191.36	4,471.49	4,311.51	159.99	27.949		
17,600.00	7,001.00	17,070.00	7,159.63	257.10	269.63	-119.17	-7,474.77	-14,191.36	4,371.85	4,212.00	159.85	27.350		
17,700.00	7,001.00	17,070.00	7,159.63	259.42	269.63	-119.17	-7,474.77	-14,191.36	4,272.21	4,112.50	159.71	26.750		
17,800.00	7,001.00	17,070.00	7,159.63	261.74	269.63	-119.17	-7,474.77	-14,191.36	4,172.60	4,013.03	159.57	26.149		
17,900.00	7,001.00	17,070.00	7,159.63	264.08	269.63	-119.17	-7,474.77	-14,191.36	4,073.01	3,913.58	159.43	25.548		
18,000.00	7,001.00	17,070.00	7,159.63	266.42	269.63	-119.17	-7,474.77	-14,191.36	3,973.43	3,814.15	159.28	24.946		
18,100.00	7,001.00	17,070.00	7,159.63	268.78	269.63	-119.17	-7,474.77	-14,191.36	3,873.88	3,714.75	159.13	24.344		
18,200.00	7,001.00	17,070.00	7,159.63	271.14	269.63	-119.17	-7,474.77	-14,191.36	3,774.35	3,615.37	158.98	23.741		
18,300.00	7,001.00	17,070.00	7,159.63	273.51	269.63	-119.17	-7,474.77	-14,191.36	3,674.85	3,516.02	158.82	23.138		
18,400.00	7,001.00	17,070.00	7,159.63	275.89	269.63	-119.17	-7,474.77	-14,191.36	3,575.37	3,416.70	158.67	22.534		
18,500.00	7,001.00	17,070.00	7,159.63	278.27	269.63	-119.17	-7,474.77	-14,191.36	3,475.92	3,317.41	158.51	21.929		
18,600.00	7,001.00	17,070.00	7,159.63	280.67	269.63	-119.17	-7,474.77	-14,191.36	3,376.51	3,218.16	158.35	21.323		
18,700.00	7,001.00	17,070.00	7,159.63	283.07	269.63	-119.17	-7,474.77	-14,191.36	3,277.13	3,118.94	158.20	20.716		
18,800.00	7,001.00	17,070.00	7,159.63	285.48	269.63	-119.17	-7,474.77	-14,191.36	3,177.80	3,019.76	158.04	20.108		
18,900.00	7,001.00	17,070.00	7,159.63	287.89	269.63	-119.17	-7,474.77	-14,191.36	3,078.50	2,920.62	157.88	19.499		
19,000.00	7,001.00	17,070.00	7,159.63	290.31	269.63	-119.17	-7,474.77	-14,191.36	2,979.25	2,821.53	157.73	18.889		
19,100.00	7,001.00	17,070.00	7,159.63	292.74	269.63	-119.17	-7,474.77	-14,191.36	2,880.06	2,722.48	157.58	18.277		
19,200.00	7,001.00	17,070.00	7,159.63	295.17	269.63	-119.17	-7,474.77	-14,191.36	2,780.92	2,623.49	157.43	17.664		
19,300.00	7,001.00	17,070.00	7,159.63	297.61	269.63	-119.17	-7,474.77	-14,191.36	2,681.84	2,524.55	157.29	17.050		
19,400.00	7,001.00	17,070.00	7,159.63	300.06	269.63	-119.17	-7,474.77	-14,191.36	2,582.84	2,425.67	157.17	16.433		
19,500.00	7,001.00	17,070.00	7,159.63	302.51	269.63	-119.17	-7,474.77	-14,191.36	2,483.92	2,326.86	157.06	15.815		
19,600.00	7,001.00	17,070.00	7,159.63	304.97	269.63	-119.17	-7,474.77	-14,191.36	2,385.08	2,228.11	156.97	15.195		
19,700.00	7,001.00	17,070.00	7,159.63	307.43	269.63	-119.17	-7,474.77	-14,191.36	2,286.35	2,129.45	156.90	14.572		
19,800.00	7,001.00	17,070.00	7,159.63	309.90	269.63	-119.17	-7,474.77	-14,191.36	2,187.73	2,030.86	156.87	13.946		
19,900.00	7,001.00	17,070.00	7,159.63	312.38	269.63	-119.17	-7,474.77	-14,191.36	2,089.25	1,932.36	156.89	13.317		
20,000.00	7,001.00	17,070.00	7,159.63	314.85	269.63	-119.17	-7,474.77	-14,191.36	1,990.91	1,833.95	156.96	12.684		
20,100.00	7,001.00	17,070.00	7,159.63	317.34	269.63	-119.17	-7,474.77	-14,191.36	1,892.75	1,735.63	157.12	12.047		
20,200.00	7,001.00	17,070.00	7,159.63	319.83	269.63	-119.17	-7,474.77	-14,191.36	1,794.79	1,637.41	157.38	11.404		
20,300.00	7,001.00	17,070.00	7,159.63	322.32	269.63	-119.17	-7,474.77	-14,191.36	1,697.08	1,539.28	157.79	10.755		
20,400.00	7,001.00	17,070.00	7,159.63	324.82	269.63	-119.17	-7,474.77	-14,191.36	1,599.64	1,441.24	158.40	10.099		
20,500.00	7,001.00	17,070.00	7,159.63	327.32	269.63	-119.17	-7,474.77	-14,191.36	1,502.54	1,343.25	159.29	9.433		
20,600.00	7,001.00	17,070.00	7,159.63	329.83	269.63	-119.17	-7,474.77	-14,191.36	1,405.85	1,245.28	160.57	8.755		
20,700.00	7,001.00	17,070.00	7,159.63	332.34	269.63	-119.17	-7,474.77	-14,191.36	1,309.65	1,147.24	162.41	8.064		
20,800.00	7,001.00	17,070.00	7,159.63	334.85	269.63	-119.17	-7,474.77	-14,191.36	1,214.07	1,048.98	165.09	7.354		
20,900.00	7,001.00	17,070.00	7,159.63	337.37	269.63	-119.17	-7,474.77	-14,191.36	1,119.26	950.25	169.00	6.623		
21,000.00	7,001.00	17,070.00	7,159.63	339.89	269.63	-119.17	-7,474.77	-14,191.36	1,025.44	850.65	174.78	5.867		
21,100.00	7,001.00	17,070.00	7,159.63	342.42	269.63	-119.17	-7,474.77	-14,191.36	932.90	749.51	183.38	5.087		
21,200.00	7,001.00	17,070.00	7,159.63	344.95	269.63	-119.17	-7,474.77	-14,191.36	842.07	645.87	196.20	4.292		
21,300.00	7,001.00	17,070.00	7,159.63	347.48	269.63	-119.17	-7,474.77	-14,191.36	753.56	538.48	215.08	3.504		
21,400.00	7,001.00	17,070.00	7,159.63	350.02	269.63	-119.17	-7,474.77	-14,191.36	668.31	426.03	242.27	2.758		
21,500.00	7,001.00	17,070.00	7,159.63	352.56	269.63	-119.17	-7,474.77	-14,191.36	587.72	307.63	280.09	2.098		
21,600.00	7,001.00	17,070.00	7,159.63	355.10	269.63	-119.17	-7,474.77	-14,191.36	514.00	183.64	330.36	1.556		
21,700.00	7,001.00	17,070.00	7,159.63	357.65	269.63	-119.17	-7,474.77	-14,191.36	450.52	57.69	392.84	1.147 Level 2		
21,800.00	7,001.00	17,070.00	7,159.63	360.20	269.63	-119.17	-7,474.77	-14,191.36	402.18	-59.53	461.71	0.871 Level 1		
21,818.56	7,001.00	17,070.00	7,159.63	360.67	269.63	-119.17	-7,474.77	-14,191.36	395.35	-78.78	474.13	0.834 Level 1, CC, ES, SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1540-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,000.00	7,001.00	16,991.00	6,977.50	155.15	270.92	89.96	-5,204.85	-14,224.61	10,180.77	9,974.18	206.58	49.281		
12,100.00	7,001.00	16,991.00	6,977.50	156.27	270.92	89.96	-5,204.85	-14,224.61	10,082.63	9,875.11	207.52	48.587		
12,200.00	7,001.00	16,991.00	6,977.50	157.43	270.92	89.96	-5,204.85	-14,224.61	9,984.53	9,776.06	208.47	47.894		
12,300.00	7,001.00	16,991.00	6,977.50	158.61	270.92	89.96	-5,204.85	-14,224.61	9,886.47	9,677.03	209.44	47.204		
12,400.00	7,001.00	16,991.00	6,977.50	159.82	270.92	89.96	-5,204.85	-14,224.61	9,788.44	9,578.01	210.44	46.515		
12,500.00	7,001.00	16,991.00	6,977.50	161.07	270.92	89.96	-5,204.85	-14,224.61	9,690.46	9,479.01	211.45	45.828		
12,600.00	7,001.00	16,991.00	6,977.50	162.34	270.92	89.96	-5,204.85	-14,224.61	9,592.52	9,380.03	212.49	45.144		
12,700.00	7,001.00	16,991.00	6,977.50	163.64	270.92	89.96	-5,204.85	-14,224.61	9,494.62	9,281.07	213.55	44.461		
12,800.00	7,001.00	16,991.00	6,977.50	164.98	270.92	89.96	-5,204.85	-14,224.61	9,396.77	9,182.14	214.63	43.781		
12,900.00	7,001.00	16,991.00	6,977.50	166.34	270.92	89.96	-5,204.85	-14,224.61	9,298.96	9,083.22	215.74	43.103		
13,000.00	7,001.00	16,991.00	6,977.50	167.74	270.92	89.96	-5,204.85	-14,224.61	9,201.20	8,984.33	216.87	42.427		
13,100.00	7,001.00	16,991.00	6,977.50	169.16	270.92	89.96	-5,204.85	-14,224.61	9,103.48	8,885.45	218.03	41.753		
13,200.00	7,001.00	16,991.00	6,977.50	170.61	270.92	89.96	-5,204.85	-14,224.61	9,005.82	8,786.61	219.21	41.082		
13,300.00	7,001.00	16,991.00	6,977.50	172.10	270.92	89.96	-5,204.85	-14,224.61	8,908.21	8,687.78	220.43	40.414		
13,400.00	7,001.00	16,991.00	6,977.50	173.61	270.92	89.96	-5,204.85	-14,224.61	8,810.65	8,588.99	221.67	39.747		
13,500.00	7,001.00	16,991.00	6,977.50	175.15	270.92	89.96	-5,204.85	-14,224.61	8,713.15	8,490.22	222.94	39.084		
13,600.00	7,001.00	16,991.00	6,977.50	176.72	270.92	89.96	-5,204.85	-14,224.61	8,615.71	8,391.47	224.23	38.423		
13,700.00	7,001.00	16,991.00	6,977.50	178.31	270.92	89.96	-5,204.85	-14,224.61	8,518.32	8,292.76	225.57	37.764		
13,800.00	7,001.00	16,991.00	6,977.50	179.94	270.92	89.96	-5,204.85	-14,224.61	8,421.00	8,194.07	226.93	37.109		
13,900.00	7,001.00	16,991.00	6,977.50	181.59	270.92	89.96	-5,204.85	-14,224.61	8,323.74	8,095.41	228.32	36.456		
14,000.00	7,001.00	16,991.00	6,977.50	183.26	270.92	89.96	-5,204.85	-14,224.61	8,226.54	7,996.79	229.75	35.806		
14,100.00	7,001.00	16,991.00	6,977.50	184.97	270.92	89.96	-5,204.85	-14,224.61	8,129.42	7,898.20	231.22	35.159		
14,200.00	7,001.00	16,991.00	6,977.50	186.70	270.92	89.96	-5,204.85	-14,224.61	8,032.36	7,799.64	232.72	34.515		
14,300.00	7,001.00	16,991.00	6,977.50	188.45	270.92	89.96	-5,204.85	-14,224.61	7,935.38	7,701.11	234.26	33.874		
14,400.00	7,001.00	16,991.00	6,977.50	190.23	270.92	89.96	-5,204.85	-14,224.61	7,838.47	7,602.63	235.84	33.236		
14,500.00	7,001.00	16,991.00	6,977.50	192.03	270.92	89.96	-5,204.85	-14,224.61	7,741.64	7,504.18	237.46	32.602		
14,600.00	7,001.00	16,991.00	6,977.50	193.86	270.92	89.96	-5,204.85	-14,224.61	7,644.89	7,405.77	239.12	31.970		
14,700.00	7,001.00	16,991.00	6,977.50	195.71	270.92	89.96	-5,204.85	-14,224.61	7,548.23	7,307.40	240.83	31.343		
14,800.00	7,001.00	16,991.00	6,977.50	197.58	270.92	89.96	-5,204.85	-14,224.61	7,451.66	7,209.07	242.58	30.718		
14,900.00	7,001.00	16,991.00	6,977.50	199.47	270.92	89.96	-5,204.85	-14,224.61	7,355.17	7,110.79	244.38	30.097		
15,000.00	7,001.00	16,991.00	6,977.50	201.39	270.92	89.96	-5,204.85	-14,224.61	7,258.79	7,012.56	246.23	29.480		
15,100.00	7,001.00	16,991.00	6,977.50	203.32	270.92	89.96	-5,204.85	-14,224.61	7,162.50	6,914.37	248.13	28.866		
15,200.00	7,001.00	16,991.00	6,977.50	205.28	270.92	89.96	-5,204.85	-14,224.61	7,066.31	6,816.24	250.08	28.257		
15,300.00	7,001.00	16,991.00	6,977.50	207.25	270.92	89.96	-5,204.85	-14,224.61	6,970.23	6,718.15	252.08	27.651		
15,400.00	7,001.00	16,991.00	6,977.50	209.25	270.92	89.96	-5,204.85	-14,224.61	6,874.27	6,620.12	254.14	27.049		
15,500.00	7,001.00	16,991.00	6,977.50	211.26	270.92	89.96	-5,204.85	-14,224.61	6,778.42	6,522.15	256.26	26.451		
15,600.00	7,001.00	16,991.00	6,977.50	213.30	270.92	89.96	-5,204.85	-14,224.61	6,682.69	6,424.25	258.45	25.857		
15,700.00	7,001.00	16,991.00	6,977.50	215.35	270.92	89.96	-5,204.85	-14,224.61	6,587.09	6,326.40	260.69	25.268		
15,800.00	7,001.00	16,991.00	6,977.50	217.42	270.92	89.96	-5,204.85	-14,224.61	6,491.62	6,228.62	263.00	24.683		
15,900.00	7,001.00	16,991.00	6,977.50	219.50	270.92	89.96	-5,204.85	-14,224.61	6,396.29	6,130.91	265.38	24.102		
16,000.00	7,001.00	16,991.00	6,977.50	221.60	270.92	89.96	-5,204.85	-14,224.61	6,301.11	6,033.27	267.83	23.526		
16,100.00	7,001.00	16,991.00	6,977.50	223.72	270.92	89.96	-5,204.85	-14,224.61	6,206.07	5,935.71	270.36	22.955		
16,200.00	7,001.00	16,991.00	6,977.50	225.85	270.92	89.96	-5,204.85	-14,224.61	6,111.20	5,838.23	272.97	22.388		
16,300.00	7,001.00	16,991.00	6,977.50	228.00	270.92	89.96	-5,204.85	-14,224.61	6,016.49	5,740.84	275.65	21.827		
16,400.00	7,001.00	16,991.00	6,977.50	230.16	270.92	89.96	-5,204.85	-14,224.61	5,921.95	5,643.53	278.42	21.270		
16,500.00	7,001.00	16,991.00	6,977.50	232.34	270.92	89.96	-5,204.85	-14,224.61	5,827.60	5,546.32	281.28	20.718		
16,600.00	7,001.00	16,991.00	6,977.50	234.53	270.92	89.96	-5,204.85	-14,224.61	5,733.44	5,449.21	284.23	20.172		
16,700.00	7,001.00	16,991.00	6,977.50	236.73	270.92	89.96	-5,204.85	-14,224.61	5,639.48	5,352.21	287.27	19.631		
16,800.00	7,001.00	16,991.00	6,977.50	238.95	270.92	89.96	-5,204.85	-14,224.61	5,545.73	5,255.32	290.41	19.096		
16,900.00	7,001.00	16,991.00	6,977.50	241.18	270.92	89.96	-5,204.85	-14,224.61	5,452.20	5,158.54	293.66	18.566		
17,000.00	7,001.00	16,991.00	6,977.50	243.42	270.92	89.96	-5,204.85	-14,224.61	5,358.91	5,061.89	297.02	18.042		
17,100.00	7,001.00	16,991.00	6,977.50	245.67	270.92	89.96	-5,204.85	-14,224.61	5,265.86	4,965.37	300.49	17.524		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1540-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,200.00	7,001.00	16,991.00	6,977.50	247.93	270.92	89.96	-5,204.85	-14,224.61	5,173.08	4,869.00	304.08	17.012		
17,300.00	7,001.00	16,991.00	6,977.50	250.21	270.92	89.96	-5,204.85	-14,224.61	5,080.56	4,772.77	307.79	16.507		
17,400.00	7,001.00	16,991.00	6,977.50	252.50	270.92	89.96	-5,204.85	-14,224.61	4,988.34	4,676.70	311.63	16.007		
17,500.00	7,001.00	16,991.00	6,977.50	254.79	270.92	89.96	-5,204.85	-14,224.61	4,896.42	4,580.81	315.61	15.514		
17,600.00	7,001.00	16,991.00	6,977.50	257.10	270.92	89.96	-5,204.85	-14,224.61	4,804.82	4,485.09	319.73	15.028		
17,700.00	7,001.00	16,991.00	6,977.50	259.42	270.92	89.96	-5,204.85	-14,224.61	4,713.57	4,389.57	323.99	14.548		
17,800.00	7,001.00	16,991.00	6,977.50	261.74	270.92	89.96	-5,204.85	-14,224.61	4,622.67	4,294.26	328.41	14.076		
17,900.00	7,001.00	16,991.00	6,977.50	264.08	270.92	89.96	-5,204.85	-14,224.61	4,532.16	4,199.17	332.99	13.610		
18,000.00	7,001.00	16,991.00	6,977.50	266.42	270.92	89.96	-5,204.85	-14,224.61	4,442.06	4,104.32	337.74	13.152		
18,100.00	7,001.00	16,991.00	6,977.50	268.78	270.92	89.96	-5,204.85	-14,224.61	4,352.39	4,009.72	342.67	12.702		
18,200.00	7,001.00	16,991.00	6,977.50	271.14	270.92	89.96	-5,204.85	-14,224.61	4,263.18	3,915.41	347.77	12.259		
18,300.00	7,001.00	16,991.00	6,977.50	273.51	270.92	89.96	-5,204.85	-14,224.61	4,174.46	3,821.39	353.07	11.823		
18,400.00	7,001.00	16,991.00	6,977.50	275.89	270.92	89.96	-5,204.85	-14,224.61	4,086.26	3,727.69	358.57	11.396		
18,500.00	7,001.00	16,991.00	6,977.50	278.27	270.92	89.96	-5,204.85	-14,224.61	3,998.61	3,634.34	364.27	10.977		
18,600.00	7,001.00	16,991.00	6,977.50	280.67	270.92	89.96	-5,204.85	-14,224.61	3,911.56	3,541.37	370.19	10.566		
18,700.00	7,001.00	16,991.00	6,977.50	283.07	270.92	89.96	-5,204.85	-14,224.61	3,825.14	3,448.80	376.33	10.164		
18,800.00	7,001.00	16,991.00	6,977.50	285.48	270.92	89.96	-5,204.85	-14,224.61	3,739.39	3,356.69	382.71	9.771		
18,900.00	7,001.00	16,991.00	6,977.50	287.89	270.92	89.96	-5,204.85	-14,224.61	3,654.38	3,265.05	389.32	9.386		
19,000.00	7,001.00	16,991.00	6,977.50	290.31	270.92	89.96	-5,204.85	-14,224.61	3,570.14	3,173.95	396.19	9.011		
19,100.00	7,001.00	16,991.00	6,977.50	292.74	270.92	89.96	-5,204.85	-14,224.61	3,486.73	3,083.42	403.31	8.645		
19,200.00	7,001.00	16,991.00	6,977.50	295.17	270.92	89.96	-5,204.85	-14,224.61	3,404.21	2,993.52	410.69	8.289		
19,300.00	7,001.00	16,991.00	6,977.50	297.61	270.92	89.96	-5,204.85	-14,224.61	3,322.66	2,904.32	418.34	7.942		
19,400.00	7,001.00	16,991.00	6,977.50	300.06	270.92	89.96	-5,204.85	-14,224.61	3,242.14	2,815.87	426.26	7.606		
19,500.00	7,001.00	16,991.00	6,977.50	302.51	270.92	89.96	-5,204.85	-14,224.61	3,162.73	2,728.27	434.46	7.280		
19,600.00	7,001.00	16,991.00	6,977.50	304.97	270.92	89.96	-5,204.85	-14,224.61	3,084.52	2,641.58	442.93	6.964		
19,700.00	7,001.00	16,991.00	6,977.50	307.43	270.92	89.96	-5,204.85	-14,224.61	3,007.60	2,555.92	451.68	6.659		
19,800.00	7,001.00	16,991.00	6,977.50	309.90	270.92	89.96	-5,204.85	-14,224.61	2,932.07	2,471.37	460.70	6.364		
19,900.00	7,001.00	16,991.00	6,977.50	312.38	270.92	89.96	-5,204.85	-14,224.61	2,858.05	2,388.07	469.97	6.081		
20,000.00	7,001.00	16,991.00	6,977.50	314.85	270.92	89.96	-5,204.85	-14,224.61	2,785.65	2,306.15	479.49	5.810		
20,100.00	7,001.00	16,991.00	6,977.50	317.34	270.92	89.96	-5,204.85	-14,224.61	2,715.00	2,225.76	489.24	5.549		
20,200.00	7,001.00	16,991.00	6,977.50	319.83	270.92	89.96	-5,204.85	-14,224.61	2,646.25	2,147.06	499.18	5.301		
20,300.00	7,001.00	16,991.00	6,977.50	322.32	270.92	89.96	-5,204.85	-14,224.61	2,579.54	2,070.25	509.29	5.065		
20,400.00	7,001.00	16,991.00	6,977.50	324.82	270.92	89.96	-5,204.85	-14,224.61	2,515.04	1,995.52	519.52	4.841		
20,500.00	7,001.00	16,991.00	6,977.50	327.32	270.92	89.96	-5,204.85	-14,224.61	2,452.92	1,923.12	529.81	4.630		
20,600.00	7,001.00	16,991.00	6,977.50	329.83	270.92	89.96	-5,204.85	-14,224.61	2,393.37	1,853.28	540.09	4.431		
20,700.00	7,001.00	16,991.00	6,977.50	332.34	270.92	89.96	-5,204.85	-14,224.61	2,336.58	1,786.29	550.30	4.246		
20,800.00	7,001.00	16,991.00	6,977.50	334.85	270.92	89.96	-5,204.85	-14,224.61	2,282.77	1,722.44	560.33	4.074		
20,900.00	7,001.00	16,991.00	6,977.50	337.37	270.92	89.96	-5,204.85	-14,224.61	2,232.13	1,662.06	570.07	3.916		
21,000.00	7,001.00	16,991.00	6,977.50	339.89	270.92	89.96	-5,204.85	-14,224.61	2,184.91	1,605.48	579.42	3.771		
21,100.00	7,001.00	16,991.00	6,977.50	342.42	270.92	89.96	-5,204.85	-14,224.61	2,141.31	1,553.07	588.24	3.640		
21,200.00	7,001.00	16,991.00	6,977.50	344.95	270.92	89.96	-5,204.85	-14,224.61	2,101.57	1,505.20	596.38	3.524		
21,300.00	7,001.00	16,991.00	6,977.50	347.48	270.92	89.96	-5,204.85	-14,224.61	2,065.91	1,462.22	603.69	3.422		
21,400.00	7,001.00	16,991.00	6,977.50	350.02	270.92	89.96	-5,204.85	-14,224.61	2,034.55	1,424.51	610.04	3.335		
21,500.00	7,001.00	16,991.00	6,977.50	352.56	270.92	89.96	-5,204.85	-14,224.61	2,007.68	1,392.42	615.26	3.263		
21,600.00	7,001.00	16,991.00	6,977.50	355.10	270.92	89.96	-5,204.85	-14,224.61	1,985.50	1,366.26	619.23	3.206		
21,700.00	7,001.00	16,991.00	6,977.50	357.65	270.92	89.96	-5,204.85	-14,224.61	1,968.14	1,346.31	621.83	3.165		
21,800.00	7,001.00	16,991.00	6,977.50	360.20	270.92	89.96	-5,204.85	-14,224.61	1,955.76	1,332.80	622.95	3.139		
21,818.56	7,001.00	16,991.00	6,977.50	360.67	270.92	89.96	-5,204.85	-14,224.61	1,954.01	1,331.02	622.99	3.136 CC, ES, SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 5-T6N-R67W - VARRA 3 - STK1 - STK1		Offset Site Error:		0.00 usft	
Survey Program: 1662-MWD OWSG, 11063-MWD OWSG													Offset Well Error:		0.00 usft			
Reference		Offset		Semi Major Axis		Distance								Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor						
12,000.00	7,001.00	16,815.00	6,894.39	155.15	217.73	86.99	-5,540.20	-14,238.17	10,135.22	9,942.42	192.80	52.569						
12,100.00	7,001.00	16,815.00	6,894.39	156.27	217.73	86.99	-5,540.20	-14,238.17	10,036.51	9,843.04	193.47	51.876						
12,200.00	7,001.00	16,815.00	6,894.39	157.43	217.73	86.99	-5,540.20	-14,238.17	9,937.82	9,743.66	194.16	51.184						
12,300.00	7,001.00	16,815.00	6,894.39	158.61	217.73	86.99	-5,540.20	-14,238.17	9,839.16	9,644.30	194.86	50.493						
12,400.00	7,001.00	16,815.00	6,894.39	159.82	217.73	86.99	-5,540.20	-14,238.17	9,740.53	9,544.95	195.58	49.803						
12,500.00	7,001.00	16,815.00	6,894.39	161.07	217.73	86.99	-5,540.20	-14,238.17	9,641.92	9,445.61	196.32	49.114						
12,600.00	7,001.00	16,815.00	6,894.39	162.34	217.73	86.99	-5,540.20	-14,238.17	9,543.35	9,346.28	197.07	48.427						
12,700.00	7,001.00	16,815.00	6,894.39	163.64	217.73	86.99	-5,540.20	-14,238.17	9,444.80	9,246.97	197.84	47.741						
12,800.00	7,001.00	16,815.00	6,894.39	164.98	217.73	86.99	-5,540.20	-14,238.17	9,346.29	9,147.67	198.62	47.056						
12,900.00	7,001.00	16,815.00	6,894.39	166.34	217.73	86.99	-5,540.20	-14,238.17	9,247.80	9,048.38	199.43	46.372						
13,000.00	7,001.00	16,815.00	6,894.39	167.74	217.73	86.99	-5,540.20	-14,238.17	9,149.35	8,949.10	200.25	45.690						
13,100.00	7,001.00	16,815.00	6,894.39	169.16	217.73	86.99	-5,540.20	-14,238.17	9,050.94	8,849.85	201.09	45.009						
13,200.00	7,001.00	16,815.00	6,894.39	170.61	217.73	86.99	-5,540.20	-14,238.17	8,952.55	8,750.60	201.95	44.330						
13,300.00	7,001.00	16,815.00	6,894.39	172.10	217.73	86.99	-5,540.20	-14,238.17	8,854.21	8,651.37	202.84	43.652						
13,400.00	7,001.00	16,815.00	6,894.39	173.61	217.73	86.99	-5,540.20	-14,238.17	8,755.90	8,552.16	203.74	42.976						
13,500.00	7,001.00	16,815.00	6,894.39	175.15	217.73	86.99	-5,540.20	-14,238.17	8,657.63	8,452.97	204.67	42.301						
13,600.00	7,001.00	16,815.00	6,894.39	176.72	217.73	86.99	-5,540.20	-14,238.17	8,559.40	8,353.79	205.62	41.628						
13,700.00	7,001.00	16,815.00	6,894.39	178.31	217.73	86.99	-5,540.20	-14,238.17	8,461.22	8,254.63	206.59	40.957						
13,800.00	7,001.00	16,815.00	6,894.39	179.94	217.73	86.99	-5,540.20	-14,238.17	8,363.07	8,155.49	207.59	40.287						
13,900.00	7,001.00	16,815.00	6,894.39	181.59	217.73	86.99	-5,540.20	-14,238.17	8,264.97	8,056.36	208.61	39.619						
14,000.00	7,001.00	16,815.00	6,894.39	183.26	217.73	86.99	-5,540.20	-14,238.17	8,166.92	7,957.26	209.66	38.953						
14,100.00	7,001.00	16,815.00	6,894.39	184.97	217.73	86.99	-5,540.20	-14,238.17	8,068.91	7,858.18	210.74	38.289						
14,200.00	7,001.00	16,815.00	6,894.39	186.70	217.73	86.99	-5,540.20	-14,238.17	7,970.96	7,759.12	211.84	37.627						
14,300.00	7,001.00	16,815.00	6,894.39	188.45	217.73	86.99	-5,540.20	-14,238.17	7,873.05	7,660.08	212.97	36.967						
14,400.00	7,001.00	16,815.00	6,894.39	190.23	217.73	86.99	-5,540.20	-14,238.17	7,775.20	7,561.06	214.14	36.309						
14,500.00	7,001.00	16,815.00	6,894.39	192.03	217.73	86.99	-5,540.20	-14,238.17	7,677.40	7,462.07	215.33	35.654						
14,600.00	7,001.00	16,815.00	6,894.39	193.86	217.73	86.99	-5,540.20	-14,238.17	7,579.67	7,363.10	216.56	35.000						
14,700.00	7,001.00	16,815.00	6,894.39	195.71	217.73	86.99	-5,540.20	-14,238.17	7,481.99	7,264.16	217.82	34.349						
14,800.00	7,001.00	16,815.00	6,894.39	197.58	217.73	86.99	-5,540.20	-14,238.17	7,384.37	7,165.25	219.12	33.700						
14,900.00	7,001.00	16,815.00	6,894.39	199.47	217.73	86.99	-5,540.20	-14,238.17	7,286.82	7,066.36	220.46	33.053						
15,000.00	7,001.00	16,815.00	6,894.39	201.39	217.73	86.99	-5,540.20	-14,238.17	7,189.33	6,967.50	221.83	32.409						
15,100.00	7,001.00	16,815.00	6,894.39	203.32	217.73	86.99	-5,540.20	-14,238.17	7,091.92	6,868.68	223.24	31.768						
15,200.00	7,001.00	16,815.00	6,894.39	205.28	217.73	86.99	-5,540.20	-14,238.17	6,994.58	6,769.88	224.69	31.129						
15,300.00	7,001.00	16,815.00	6,894.39	207.25	217.73	86.99	-5,540.20	-14,238.17	6,897.31	6,671.12	226.19	30.494						
15,400.00	7,001.00	16,815.00	6,894.39	209.25	217.73	86.99	-5,540.20	-14,238.17	6,800.12	6,572.39	227.73	29.860						
15,500.00	7,001.00	16,815.00	6,894.39	211.26	217.73	86.99	-5,540.20	-14,238.17	6,703.02	6,473.70	229.32	29.230						
15,600.00	7,001.00	16,815.00	6,894.39	213.30	217.73	86.99	-5,540.20	-14,238.17	6,606.00	6,375.05	230.95	28.603						
15,700.00	7,001.00	16,815.00	6,894.39	215.35	217.73	86.99	-5,540.20	-14,238.17	6,509.07	6,276.44	232.64	27.979						
15,800.00	7,001.00	16,815.00	6,894.39	217.42	217.73	86.99	-5,540.20	-14,238.17	6,412.24	6,177.86	234.38	27.359						
15,900.00	7,001.00	16,815.00	6,894.39	219.50	217.73	86.99	-5,540.20	-14,238.17	6,315.51	6,079.34	236.17	26.741						
16,000.00	7,001.00	16,815.00	6,894.39	221.60	217.73	86.99	-5,540.20	-14,238.17	6,218.88	5,980.85	238.02	26.127						
16,100.00	7,001.00	16,815.00	6,894.39	223.72	217.73	86.99	-5,540.20	-14,238.17	6,122.35	5,882.42	239.93	25.517						
16,200.00	7,001.00	16,815.00	6,894.39	225.85	217.73	86.99	-5,540.20	-14,238.17	6,025.94	5,784.04	241.91	24.910						
16,300.00	7,001.00	16,815.00	6,894.39	228.00	217.73	86.99	-5,540.20	-14,238.17	5,929.65	5,685.71	243.95	24.307						
16,400.00	7,001.00	16,815.00	6,894.39	230.16	217.73	86.99	-5,540.20	-14,238.17	5,833.49	5,587.44	246.05	23.708						
16,500.00	7,001.00	16,815.00	6,894.39	232.34	217.73	86.99	-5,540.20	-14,238.17	5,737.46	5,489.22	248.23	23.113						
16,600.00	7,001.00	16,815.00	6,894.39	234.53	217.73	86.99	-5,540.20	-14,238.17	5,641.56	5,391.07	250.49	22.522						
16,700.00	7,001.00	16,815.00	6,894.39	236.73	217.73	86.99	-5,540.20	-14,238.17	5,545.81	5,292.99	252.82	21.936						
16,800.00	7,001.00	16,815.00	6,894.39	238.95	217.73	86.99	-5,540.20	-14,238.17	5,450.21	5,194.97	255.24	21.354						
16,900.00	7,001.00	16,815.00	6,894.39	241.18	217.73	86.99	-5,540.20	-14,238.17	5,354.77	5,097.03	257.74	20.776						
17,000.00	7,001.00	16,815.00	6,894.39	243.42	217.73	86.99	-5,540.20	-14,238.17	5,259.50	4,999.17	260.33	20.203						
17,100.00	7,001.00	16,815.00	6,894.39	245.67	217.73	86.99	-5,540.20	-14,238.17	5,164.41	4,901.39	263.02	19.635						

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 5-T6N-R67W - VARRA 3 - STK1 - STK1		Offset Site Error:		0.00 usft
Survey Program: 1662-MWD OWSG, 11063-MWD OWSG													Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis		Distance								Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
17,200.00	7,001.00	16,815.00	6,894.39	247.93	217.73	86.99	-5,540.20	-14,238.17	5,069.51	4,803.71	265.80	19.072					
17,300.00	7,001.00	16,815.00	6,894.39	250.21	217.73	86.99	-5,540.20	-14,238.17	4,974.81	4,706.11	268.70	18.515					
17,400.00	7,001.00	16,815.00	6,894.39	252.50	217.73	86.99	-5,540.20	-14,238.17	4,880.32	4,608.62	271.70	17.962					
17,500.00	7,001.00	16,815.00	6,894.39	254.79	217.73	86.99	-5,540.20	-14,238.17	4,786.05	4,511.24	274.82	17.415					
17,600.00	7,001.00	16,815.00	6,894.39	257.10	217.73	86.99	-5,540.20	-14,238.17	4,692.03	4,413.97	278.06	16.874					
17,700.00	7,001.00	16,815.00	6,894.39	259.42	217.73	86.99	-5,540.20	-14,238.17	4,598.25	4,316.82	281.43	16.339					
17,800.00	7,001.00	16,815.00	6,894.39	261.74	217.73	86.99	-5,540.20	-14,238.17	4,504.74	4,219.81	284.93	15.810					
17,900.00	7,001.00	16,815.00	6,894.39	264.08	217.73	86.99	-5,540.20	-14,238.17	4,411.52	4,122.94	288.57	15.287					
18,000.00	7,001.00	16,815.00	6,894.39	266.42	217.73	86.99	-5,540.20	-14,238.17	4,318.60	4,026.23	292.37	14.771					
18,100.00	7,001.00	16,815.00	6,894.39	268.78	217.73	86.99	-5,540.20	-14,238.17	4,226.00	3,929.68	296.32	14.262					
18,200.00	7,001.00	16,815.00	6,894.39	271.14	217.73	86.99	-5,540.20	-14,238.17	4,133.75	3,833.31	300.44	13.759					
18,300.00	7,001.00	16,815.00	6,894.39	273.51	217.73	86.99	-5,540.20	-14,238.17	4,041.86	3,737.13	304.73	13.264					
18,400.00	7,001.00	16,815.00	6,894.39	275.89	217.73	86.99	-5,540.20	-14,238.17	3,950.37	3,641.17	309.21	12.776					
18,500.00	7,001.00	16,815.00	6,894.39	278.27	217.73	86.99	-5,540.20	-14,238.17	3,859.31	3,545.43	313.88	12.295					
18,600.00	7,001.00	16,815.00	6,894.39	280.67	217.73	86.99	-5,540.20	-14,238.17	3,768.69	3,449.94	318.76	11.823					
18,700.00	7,001.00	16,815.00	6,894.39	283.07	217.73	86.99	-5,540.20	-14,238.17	3,678.56	3,354.72	323.85	11.359					
18,800.00	7,001.00	16,815.00	6,894.39	285.48	217.73	86.99	-5,540.20	-14,238.17	3,588.96	3,259.79	329.16	10.903					
18,900.00	7,001.00	16,815.00	6,894.39	287.89	217.73	86.99	-5,540.20	-14,238.17	3,499.92	3,165.20	334.72	10.456					
19,000.00	7,001.00	16,815.00	6,894.39	290.31	217.73	86.99	-5,540.20	-14,238.17	3,411.48	3,070.95	340.53	10.018					
19,100.00	7,001.00	16,815.00	6,894.39	292.74	217.73	86.99	-5,540.20	-14,238.17	3,323.70	2,977.11	346.60	9.590					
19,200.00	7,001.00	16,815.00	6,894.39	295.17	217.73	86.99	-5,540.20	-14,238.17	3,236.63	2,883.69	352.94	9.170					
19,300.00	7,001.00	16,815.00	6,894.39	297.61	217.73	86.99	-5,540.20	-14,238.17	3,150.33	2,790.76	359.57	8.761					
19,400.00	7,001.00	16,815.00	6,894.39	300.06	217.73	86.99	-5,540.20	-14,238.17	3,064.86	2,698.36	366.51	8.362					
19,500.00	7,001.00	16,815.00	6,894.39	302.51	217.73	86.99	-5,540.20	-14,238.17	2,980.30	2,606.55	373.75	7.974					
19,600.00	7,001.00	16,815.00	6,894.39	304.97	217.73	86.99	-5,540.20	-14,238.17	2,896.72	2,515.40	381.32	7.597					
19,700.00	7,001.00	16,815.00	6,894.39	307.43	217.73	86.99	-5,540.20	-14,238.17	2,814.21	2,424.99	389.22	7.230					
19,800.00	7,001.00	16,815.00	6,894.39	309.90	217.73	86.99	-5,540.20	-14,238.17	2,732.86	2,335.41	397.46	6.876					
19,900.00	7,001.00	16,815.00	6,894.39	312.38	217.73	86.99	-5,540.20	-14,238.17	2,652.80	2,246.76	406.04	6.533					
20,000.00	7,001.00	16,815.00	6,894.39	314.85	217.73	86.99	-5,540.20	-14,238.17	2,574.13	2,159.15	414.97	6.203					
20,100.00	7,001.00	16,815.00	6,894.39	317.34	217.73	86.99	-5,540.20	-14,238.17	2,496.98	2,072.74	424.25	5.886					
20,200.00	7,001.00	16,815.00	6,894.39	319.83	217.73	86.99	-5,540.20	-14,238.17	2,421.51	1,987.66	433.86	5.581					
20,300.00	7,001.00	16,815.00	6,894.39	322.32	217.73	86.99	-5,540.20	-14,238.17	2,347.87	1,904.10	443.78	5.291					
20,400.00	7,001.00	16,815.00	6,894.39	324.82	217.73	86.99	-5,540.20	-14,238.17	2,276.25	1,822.26	453.99	5.014					
20,500.00	7,001.00	16,815.00	6,894.39	327.32	217.73	86.99	-5,540.20	-14,238.17	2,206.83	1,742.38	464.45	4.751					
20,600.00	7,001.00	16,815.00	6,894.39	329.83	217.73	86.99	-5,540.20	-14,238.17	2,139.83	1,664.73	475.10	4.504					
20,700.00	7,001.00	16,815.00	6,894.39	332.34	217.73	86.99	-5,540.20	-14,238.17	2,075.50	1,589.62	485.88	4.272					
20,800.00	7,001.00	16,815.00	6,894.39	334.85	217.73	86.99	-5,540.20	-14,238.17	2,014.07	1,517.38	496.69	4.055					
20,900.00	7,001.00	16,815.00	6,894.39	337.37	217.73	86.99	-5,540.20	-14,238.17	1,955.83	1,448.42	507.41	3.855					
21,000.00	7,001.00	16,815.00	6,894.39	339.89	217.73	86.99	-5,540.20	-14,238.17	1,901.07	1,383.16	517.91	3.671					
21,100.00	7,001.00	16,815.00	6,894.39	342.42	217.73	86.99	-5,540.20	-14,238.17	1,850.10	1,322.07	528.02	3.504					
21,200.00	7,001.00	16,815.00	6,894.39	344.95	217.73	86.99	-5,540.20	-14,238.17	1,803.23	1,265.68	537.55	3.355					
21,300.00	7,001.00	16,815.00	6,894.39	347.48	217.73	86.99	-5,540.20	-14,238.17	1,760.81	1,214.51	546.30	3.223					
21,400.00	7,001.00	16,815.00	6,894.39	350.02	217.73	86.99	-5,540.20	-14,238.17	1,723.15	1,169.13	554.02	3.110					
21,500.00	7,001.00	16,815.00	6,894.39	352.56	217.73	86.99	-5,540.20	-14,238.17	1,690.57	1,130.09	560.48	3.016					
21,600.00	7,001.00	16,815.00	6,894.39	355.10	217.73	86.99	-5,540.20	-14,238.17	1,663.38	1,097.92	565.46	2.942					
21,700.00	7,001.00	16,815.00	6,894.39	357.65	217.73	86.99	-5,540.20	-14,238.17	1,641.83	1,073.10	568.73	2.887					
21,800.00	7,001.00	16,815.00	6,894.39	360.20	217.73	86.99	-5,540.20	-14,238.17	1,626.16	1,056.03	570.13	2.852					
21,818.56	7,001.00	16,815.00	6,894.39	360.67	217.73	86.99	-5,540.20	-14,238.17	1,623.91	1,053.74	570.17	2.848	CC, ES, SF				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1662-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,700.00	7,001.00	15,135.00	6,838.83	178.31	225.16	85.09	-5,517.69	-15,915.15	10,116.32	9,921.58	194.75	51.946		
13,800.00	7,001.00	15,135.00	6,838.83	179.94	225.16	85.09	-5,517.69	-15,915.15	10,017.65	9,822.12	195.53	51.232		
13,900.00	7,001.00	15,135.00	6,838.83	181.59	225.16	85.09	-5,517.69	-15,915.15	9,919.01	9,722.67	196.34	50.520		
14,000.00	7,001.00	15,135.00	6,838.83	183.26	225.16	85.09	-5,517.69	-15,915.15	9,820.39	9,623.23	197.16	49.809		
14,100.00	7,001.00	15,135.00	6,838.83	184.97	225.16	85.09	-5,517.69	-15,915.15	9,721.81	9,523.81	198.00	49.100		
14,200.00	7,001.00	15,135.00	6,838.83	186.70	225.16	85.09	-5,517.69	-15,915.15	9,623.25	9,424.39	198.86	48.392		
14,300.00	7,001.00	15,135.00	6,838.83	188.45	225.16	85.09	-5,517.69	-15,915.15	9,524.72	9,324.98	199.74	47.686		
14,400.00	7,001.00	15,135.00	6,838.83	190.23	225.16	85.09	-5,517.69	-15,915.15	9,426.22	9,225.59	200.64	46.982		
14,500.00	7,001.00	15,135.00	6,838.83	192.03	225.16	85.09	-5,517.69	-15,915.15	9,327.76	9,126.21	201.55	46.280		
14,600.00	7,001.00	15,135.00	6,838.83	193.86	225.16	85.09	-5,517.69	-15,915.15	9,229.33	9,026.84	202.49	45.579		
14,700.00	7,001.00	15,135.00	6,838.83	195.71	225.16	85.09	-5,517.69	-15,915.15	9,130.93	8,927.48	203.45	44.880		
14,800.00	7,001.00	15,135.00	6,838.83	197.58	225.16	85.09	-5,517.69	-15,915.15	9,032.57	8,828.13	204.43	44.183		
14,900.00	7,001.00	15,135.00	6,838.83	199.47	225.16	85.09	-5,517.69	-15,915.15	8,934.24	8,728.80	205.44	43.489		
15,000.00	7,001.00	15,135.00	6,838.83	201.39	225.16	85.09	-5,517.69	-15,915.15	8,835.95	8,629.48	206.47	42.796		
15,100.00	7,001.00	15,135.00	6,838.83	203.32	225.16	85.09	-5,517.69	-15,915.15	8,737.70	8,530.18	207.52	42.105		
15,200.00	7,001.00	15,135.00	6,838.83	205.28	225.16	85.09	-5,517.69	-15,915.15	8,639.49	8,430.89	208.60	41.416		
15,300.00	7,001.00	15,135.00	6,838.83	207.25	225.16	85.09	-5,517.69	-15,915.15	8,541.32	8,331.62	209.71	40.730		
15,400.00	7,001.00	15,135.00	6,838.83	209.25	225.16	85.09	-5,517.69	-15,915.15	8,443.20	8,232.36	210.84	40.046		
15,500.00	7,001.00	15,135.00	6,838.83	211.26	225.16	85.09	-5,517.69	-15,915.15	8,345.12	8,133.12	212.00	39.364		
15,600.00	7,001.00	15,135.00	6,838.83	213.30	225.16	85.09	-5,517.69	-15,915.15	8,247.08	8,033.90	213.19	38.685		
15,700.00	7,001.00	15,135.00	6,838.83	215.35	225.16	85.09	-5,517.69	-15,915.15	8,149.10	7,934.69	214.41	38.008		
15,800.00	7,001.00	15,135.00	6,838.83	217.42	225.16	85.09	-5,517.69	-15,915.15	8,051.16	7,835.50	215.66	37.333		
15,900.00	7,001.00	15,135.00	6,838.83	219.50	225.16	85.09	-5,517.69	-15,915.15	7,953.27	7,736.33	216.94	36.661		
16,000.00	7,001.00	15,135.00	6,838.83	221.60	225.16	85.09	-5,517.69	-15,915.15	7,855.44	7,637.18	218.26	35.992		
16,100.00	7,001.00	15,135.00	6,838.83	223.72	225.16	85.09	-5,517.69	-15,915.15	7,757.66	7,538.05	219.61	35.325		
16,200.00	7,001.00	15,135.00	6,838.83	225.85	225.16	85.09	-5,517.69	-15,915.15	7,659.94	7,438.95	221.00	34.661		
16,300.00	7,001.00	15,135.00	6,838.83	228.00	225.16	85.09	-5,517.69	-15,915.15	7,562.28	7,339.86	222.42	34.000		
16,400.00	7,001.00	15,135.00	6,838.83	230.16	225.16	85.09	-5,517.69	-15,915.15	7,464.68	7,240.80	223.88	33.342		
16,500.00	7,001.00	15,135.00	6,838.83	232.34	225.16	85.09	-5,517.69	-15,915.15	7,367.15	7,141.76	225.39	32.687		
16,600.00	7,001.00	15,135.00	6,838.83	234.53	225.16	85.09	-5,517.69	-15,915.15	7,269.68	7,042.75	226.93	32.035		
16,700.00	7,001.00	15,135.00	6,838.83	236.73	225.16	85.09	-5,517.69	-15,915.15	7,172.28	6,943.76	228.52	31.386		
16,800.00	7,001.00	15,135.00	6,838.83	238.95	225.16	85.09	-5,517.69	-15,915.15	7,074.96	6,844.81	230.15	30.740		
16,900.00	7,001.00	15,135.00	6,838.83	241.18	225.16	85.09	-5,517.69	-15,915.15	6,977.71	6,745.88	231.83	30.098		
17,000.00	7,001.00	15,135.00	6,838.83	243.42	225.16	85.09	-5,517.69	-15,915.15	6,880.54	6,646.98	233.56	29.459		
17,100.00	7,001.00	15,135.00	6,838.83	245.67	225.16	85.09	-5,517.69	-15,915.15	6,783.45	6,548.11	235.34	28.824		
17,200.00	7,001.00	15,135.00	6,838.83	247.93	225.16	85.09	-5,517.69	-15,915.15	6,686.45	6,449.27	237.18	28.192		
17,300.00	7,001.00	15,135.00	6,838.83	250.21	225.16	85.09	-5,517.69	-15,915.15	6,589.54	6,350.47	239.07	27.564		
17,400.00	7,001.00	15,135.00	6,838.83	252.50	225.16	85.09	-5,517.69	-15,915.15	6,492.72	6,251.71	241.01	26.939		
17,500.00	7,001.00	15,135.00	6,838.83	254.79	225.16	85.09	-5,517.69	-15,915.15	6,396.00	6,152.98	243.02	26.319		
17,600.00	7,001.00	15,135.00	6,838.83	257.10	225.16	85.09	-5,517.69	-15,915.15	6,299.38	6,054.29	245.09	25.703		
17,700.00	7,001.00	15,135.00	6,838.83	259.42	225.16	85.09	-5,517.69	-15,915.15	6,202.87	5,955.65	247.22	25.090		
17,800.00	7,001.00	15,135.00	6,838.83	261.74	225.16	85.09	-5,517.69	-15,915.15	6,106.47	5,857.05	249.42	24.482		
17,900.00	7,001.00	15,135.00	6,838.83	264.08	225.16	85.09	-5,517.69	-15,915.15	6,010.19	5,758.49	251.70	23.879		
18,000.00	7,001.00	15,135.00	6,838.83	266.42	225.16	85.09	-5,517.69	-15,915.15	5,914.03	5,659.98	254.04	23.280		
18,100.00	7,001.00	15,135.00	6,838.83	268.78	225.16	85.09	-5,517.69	-15,915.15	5,818.00	5,561.53	256.47	22.685		
18,200.00	7,001.00	15,135.00	6,838.83	271.14	225.16	85.09	-5,517.69	-15,915.15	5,722.11	5,463.13	258.98	22.095		
18,300.00	7,001.00	15,135.00	6,838.83	273.51	225.16	85.09	-5,517.69	-15,915.15	5,626.36	5,364.79	261.57	21.510		
18,400.00	7,001.00	15,135.00	6,838.83	275.89	225.16	85.09	-5,517.69	-15,915.15	5,530.76	5,266.51	264.25	20.930		
18,500.00	7,001.00	15,135.00	6,838.83	278.27	225.16	85.09	-5,517.69	-15,915.15	5,435.32	5,168.29	267.02	20.355		
18,600.00	7,001.00	15,135.00	6,838.83	280.67	225.16	85.09	-5,517.69	-15,915.15	5,340.04	5,070.15	269.90	19.785		
18,700.00	7,001.00	15,135.00	6,838.83	283.07	225.16	85.09	-5,517.69	-15,915.15	5,244.95	4,972.07	272.87	19.221		
18,800.00	7,001.00	15,135.00	6,838.83	285.48	225.16	85.09	-5,517.69	-15,915.15	5,150.03	4,874.08	275.96	18.662		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1662-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
18,900.00	7,001.00	15,135.00	6,838.83	287.89	225.16	85.09	-5,517.69	-15,915.15	5,055.32	4,776.16	279.15	18.109		
19,000.00	7,001.00	15,135.00	6,838.83	290.31	225.16	85.09	-5,517.69	-15,915.15	4,960.81	4,678.34	282.47	17.562		
19,100.00	7,001.00	15,135.00	6,838.83	292.74	225.16	85.09	-5,517.69	-15,915.15	4,866.52	4,580.61	285.91	17.021		
19,200.00	7,001.00	15,135.00	6,838.83	295.17	225.16	85.09	-5,517.69	-15,915.15	4,772.46	4,482.98	289.48	16.486		
19,300.00	7,001.00	15,135.00	6,838.83	297.61	225.16	85.09	-5,517.69	-15,915.15	4,678.65	4,385.46	293.19	15.958		
19,400.00	7,001.00	15,135.00	6,838.83	300.06	225.16	85.09	-5,517.69	-15,915.15	4,585.10	4,288.06	297.04	15.436		
19,500.00	7,001.00	15,135.00	6,838.83	302.51	225.16	85.09	-5,517.69	-15,915.15	4,491.83	4,190.78	301.05	14.921		
19,600.00	7,001.00	15,135.00	6,838.83	304.97	225.16	85.09	-5,517.69	-15,915.15	4,398.86	4,093.64	305.22	14.412		
19,700.00	7,001.00	15,135.00	6,838.83	307.43	225.16	85.09	-5,517.69	-15,915.15	4,306.20	3,996.65	309.55	13.911		
19,800.00	7,001.00	15,135.00	6,838.83	309.90	225.16	85.09	-5,517.69	-15,915.15	4,213.87	3,899.81	314.07	13.417		
19,900.00	7,001.00	15,135.00	6,838.83	312.38	225.16	85.09	-5,517.69	-15,915.15	4,121.91	3,803.14	318.77	12.931		
20,000.00	7,001.00	15,135.00	6,838.83	314.85	225.16	85.09	-5,517.69	-15,915.15	4,030.32	3,706.66	323.67	12.452		
20,100.00	7,001.00	15,135.00	6,838.83	317.34	225.16	85.09	-5,517.69	-15,915.15	3,939.15	3,610.38	328.77	11.981		
20,200.00	7,001.00	15,135.00	6,838.83	319.83	225.16	85.09	-5,517.69	-15,915.15	3,848.41	3,514.32	334.10	11.519		
20,300.00	7,001.00	15,135.00	6,838.83	322.32	225.16	85.09	-5,517.69	-15,915.15	3,758.15	3,418.50	339.65	11.065		
20,400.00	7,001.00	15,135.00	6,838.83	324.82	225.16	85.09	-5,517.69	-15,915.15	3,668.39	3,322.94	345.45	10.619		
20,500.00	7,001.00	15,135.00	6,838.83	327.32	225.16	85.09	-5,517.69	-15,915.15	3,579.17	3,227.67	351.50	10.183		
20,600.00	7,001.00	15,135.00	6,838.83	329.83	225.16	85.09	-5,517.69	-15,915.15	3,490.54	3,132.72	357.82	9.755		
20,700.00	7,001.00	15,135.00	6,838.83	332.34	225.16	85.09	-5,517.69	-15,915.15	3,402.53	3,038.12	364.42	9.337		
20,800.00	7,001.00	15,135.00	6,838.83	334.85	225.16	85.09	-5,517.69	-15,915.15	3,315.21	2,943.90	371.31	8.928		
20,900.00	7,001.00	15,135.00	6,838.83	337.37	225.16	85.09	-5,517.69	-15,915.15	3,228.63	2,850.11	378.51	8.530		
21,000.00	7,001.00	15,135.00	6,838.83	339.89	225.16	85.09	-5,517.69	-15,915.15	3,142.83	2,756.80	386.03	8.141		
21,100.00	7,001.00	15,135.00	6,838.83	342.42	225.16	85.09	-5,517.69	-15,915.15	3,057.91	2,664.02	393.89	7.763		
21,200.00	7,001.00	15,135.00	6,838.83	344.95	225.16	85.09	-5,517.69	-15,915.15	2,973.92	2,571.82	402.09	7.396		
21,300.00	7,001.00	15,135.00	6,838.83	347.48	225.16	85.09	-5,517.69	-15,915.15	2,890.95	2,480.29	410.66	7.040		
21,400.00	7,001.00	15,135.00	6,838.83	350.02	225.16	85.09	-5,517.69	-15,915.15	2,809.09	2,389.50	419.59	6.695		
21,500.00	7,001.00	15,135.00	6,838.83	352.56	225.16	85.09	-5,517.69	-15,915.15	2,728.44	2,299.54	428.89	6.362		
21,600.00	7,001.00	15,135.00	6,838.83	355.10	225.16	85.09	-5,517.69	-15,915.15	2,649.10	2,210.52	438.58	6.040		
21,700.00	7,001.00	15,135.00	6,838.83	357.65	225.16	85.09	-5,517.69	-15,915.15	2,571.21	2,122.57	448.64	5.731		
21,800.00	7,001.00	15,135.00	6,838.83	360.20	225.16	85.09	-5,517.69	-15,915.15	2,494.90	2,035.82	459.08	5.435		
21,818.56	7,001.00	15,135.00	6,838.83	360.67	225.16	85.09	-5,517.69	-15,915.15	2,480.92	2,019.86	461.06	5.381	CC, ES, SF	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 5-T6N-R67W - VARRA 4 - Wellbore #1 - Wellbore #1		Offset Site Error:		0.00 usft	
Survey Program: 1757-MWD OWSG														Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis		Distance												
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning					
12,000.00	7,001.00	17,130.00	7,210.02	155.15	271.45	98.83	-5,663.37	-14,220.04	10,100.54	9,908.59	191.96	52.619						
12,100.00	7,001.00	17,130.00	7,210.02	156.27	271.45	98.83	-5,663.37	-14,220.04	10,001.67	9,808.99	192.68	51.909						
12,200.00	7,001.00	17,130.00	7,210.02	157.43	271.45	98.83	-5,663.37	-14,220.04	9,902.82	9,709.41	193.41	51.201						
12,300.00	7,001.00	17,130.00	7,210.02	158.61	271.45	98.83	-5,663.37	-14,220.04	9,804.00	9,609.84	194.16	50.494						
12,400.00	7,001.00	17,130.00	7,210.02	159.82	271.45	98.83	-5,663.37	-14,220.04	9,705.19	9,510.27	194.93	49.789						
12,500.00	7,001.00	17,130.00	7,210.02	161.07	271.45	98.83	-5,663.37	-14,220.04	9,606.42	9,410.71	195.71	49.085						
12,600.00	7,001.00	17,130.00	7,210.02	162.34	271.45	98.83	-5,663.37	-14,220.04	9,507.67	9,311.15	196.51	48.382						
12,700.00	7,001.00	17,130.00	7,210.02	163.64	271.45	98.83	-5,663.37	-14,220.04	9,408.94	9,211.61	197.33	47.681						
12,800.00	7,001.00	17,130.00	7,210.02	164.98	271.45	98.83	-5,663.37	-14,220.04	9,310.24	9,112.07	198.17	46.981						
12,900.00	7,001.00	17,130.00	7,210.02	166.34	271.45	98.83	-5,663.37	-14,220.04	9,211.57	9,012.55	199.03	46.283						
13,000.00	7,001.00	17,130.00	7,210.02	167.74	271.45	98.83	-5,663.37	-14,220.04	9,112.93	8,913.03	199.90	45.587						
13,100.00	7,001.00	17,130.00	7,210.02	169.16	271.45	98.83	-5,663.37	-14,220.04	9,014.32	8,813.52	200.80	44.892						
13,200.00	7,001.00	17,130.00	7,210.02	170.61	271.45	98.83	-5,663.37	-14,220.04	8,915.74	8,714.02	201.72	44.198						
13,300.00	7,001.00	17,130.00	7,210.02	172.10	271.45	98.83	-5,663.37	-14,220.04	8,817.19	8,614.53	202.66	43.507						
13,400.00	7,001.00	17,130.00	7,210.02	173.61	271.45	98.83	-5,663.37	-14,220.04	8,718.68	8,515.05	203.62	42.817						
13,500.00	7,001.00	17,130.00	7,210.02	175.15	271.45	98.83	-5,663.37	-14,220.04	8,620.20	8,415.59	204.61	42.130						
13,600.00	7,001.00	17,130.00	7,210.02	176.72	271.45	98.83	-5,663.37	-14,220.04	8,521.75	8,316.13	205.62	41.444						
13,700.00	7,001.00	17,130.00	7,210.02	178.31	271.45	98.83	-5,663.37	-14,220.04	8,423.35	8,216.69	206.66	40.760						
13,800.00	7,001.00	17,130.00	7,210.02	179.94	271.45	98.83	-5,663.37	-14,220.04	8,324.97	8,117.25	207.72	40.078						
13,900.00	7,001.00	17,130.00	7,210.02	181.59	271.45	98.83	-5,663.37	-14,220.04	8,226.64	8,017.83	208.81	39.398						
14,000.00	7,001.00	17,130.00	7,210.02	183.26	271.45	98.83	-5,663.37	-14,220.04	8,128.35	7,918.42	209.93	38.720						
14,100.00	7,001.00	17,130.00	7,210.02	184.97	271.45	98.83	-5,663.37	-14,220.04	8,030.10	7,819.03	211.07	38.044						
14,200.00	7,001.00	17,130.00	7,210.02	186.70	271.45	98.83	-5,663.37	-14,220.04	7,931.90	7,719.65	212.25	37.371						
14,300.00	7,001.00	17,130.00	7,210.02	188.45	271.45	98.83	-5,663.37	-14,220.04	7,833.74	7,620.28	213.46	36.700						
14,400.00	7,001.00	17,130.00	7,210.02	190.23	271.45	98.83	-5,663.37	-14,220.04	7,735.63	7,520.93	214.69	36.031						
14,500.00	7,001.00	17,130.00	7,210.02	192.03	271.45	98.83	-5,663.37	-14,220.04	7,637.57	7,421.60	215.97	35.364						
14,600.00	7,001.00	17,130.00	7,210.02	193.86	271.45	98.83	-5,663.37	-14,220.04	7,539.55	7,322.28	217.27	34.701						
14,700.00	7,001.00	17,130.00	7,210.02	195.71	271.45	98.83	-5,663.37	-14,220.04	7,441.59	7,222.98	218.62	34.039						
14,800.00	7,001.00	17,130.00	7,210.02	197.58	271.45	98.83	-5,663.37	-14,220.04	7,343.69	7,123.69	220.00	33.381						
14,900.00	7,001.00	17,130.00	7,210.02	199.47	271.45	98.83	-5,663.37	-14,220.04	7,245.84	7,024.43	221.42	32.725						
15,000.00	7,001.00	17,130.00	7,210.02	201.39	271.45	98.83	-5,663.37	-14,220.04	7,148.06	6,925.18	222.88	32.072						
15,100.00	7,001.00	17,130.00	7,210.02	203.32	271.45	98.83	-5,663.37	-14,220.04	7,050.33	6,825.95	224.38	31.422						
15,200.00	7,001.00	17,130.00	7,210.02	205.28	271.45	98.83	-5,663.37	-14,220.04	6,952.67	6,726.75	225.92	30.775						
15,300.00	7,001.00	17,130.00	7,210.02	207.25	271.45	98.83	-5,663.37	-14,220.04	6,855.08	6,627.56	227.51	30.130						
15,400.00	7,001.00	17,130.00	7,210.02	209.25	271.45	98.83	-5,663.37	-14,220.04	6,757.55	6,528.40	229.15	29.489						
15,500.00	7,001.00	17,130.00	7,210.02	211.26	271.45	98.83	-5,663.37	-14,220.04	6,660.10	6,429.26	230.84	28.852						
15,600.00	7,001.00	17,130.00	7,210.02	213.30	271.45	98.83	-5,663.37	-14,220.04	6,562.73	6,330.15	232.58	28.217						
15,700.00	7,001.00	17,130.00	7,210.02	215.35	271.45	98.83	-5,663.37	-14,220.04	6,465.44	6,231.07	234.37	27.586						
15,800.00	7,001.00	17,130.00	7,210.02	217.42	271.45	98.83	-5,663.37	-14,220.04	6,368.23	6,132.01	236.22	26.959						
15,900.00	7,001.00	17,130.00	7,210.02	219.50	271.45	98.83	-5,663.37	-14,220.04	6,271.11	6,032.98	238.13	26.335						
16,000.00	7,001.00	17,130.00	7,210.02	221.60	271.45	98.83	-5,663.37	-14,220.04	6,174.08	5,933.98	240.10	25.715						
16,100.00	7,001.00	17,130.00	7,210.02	223.72	271.45	98.83	-5,663.37	-14,220.04	6,077.15	5,835.02	242.13	25.099						
16,200.00	7,001.00	17,130.00	7,210.02	225.85	271.45	98.83	-5,663.37	-14,220.04	5,980.32	5,736.09	244.23	24.486						
16,300.00	7,001.00	17,130.00	7,210.02	228.00	271.45	98.83	-5,663.37	-14,220.04	5,883.59	5,637.19	246.40	23.878						
16,400.00	7,001.00	17,130.00	7,210.02	230.16	271.45	98.83	-5,663.37	-14,220.04	5,786.98	5,538.33	248.65	23.274						
16,500.00	7,001.00	17,130.00	7,210.02	232.34	271.45	98.83	-5,663.37	-14,220.04	5,690.48	5,439.52	250.97	22.674						
16,600.00	7,001.00	17,130.00	7,210.02	234.53	271.45	98.83	-5,663.37	-14,220.04	5,594.11	5,340.74	253.37	22.079						
16,700.00	7,001.00	17,130.00	7,210.02	236.73	271.45	98.83	-5,663.37	-14,220.04	5,497.86	5,242.01	255.85	21.488						
16,800.00	7,001.00	17,130.00	7,210.02	238.95	271.45	98.83	-5,663.37	-14,220.04	5,401.75	5,143.33	258.43	20.903						
16,900.00	7,001.00	17,130.00	7,210.02	241.18	271.45	98.83	-5,663.37	-14,220.04	5,305.79	5,044.70	261.09	20.321						
17,000.00	7,001.00	17,130.00	7,210.02	243.42	271.45	98.83	-5,663.37	-14,220.04	5,209.98	4,946.12	263.86	19.745						
17,100.00	7,001.00	17,130.00	7,210.02	245.67	271.45	98.83	-5,663.37	-14,220.04	5,114.33	4,847.60	266.72	19.175						

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 5-T6N-R67W - VARRA 4 - Wellbore #1 - Wellbore #1		Offset Site Error:		0.00 usft
Survey Program:				1757-MWD OWSG										Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis			Distance										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning				
17,200.00	7,001.00	17,130.00	7,210.02	247.93	271.45	98.83	-5,663.37	-14,220.04	5,018.84	4,749.14	269.70	18.609					
17,300.00	7,001.00	17,130.00	7,210.02	250.21	271.45	98.83	-5,663.37	-14,220.04	4,923.54	4,650.75	272.79	18.049					
17,400.00	7,001.00	17,130.00	7,210.02	252.50	271.45	98.83	-5,663.37	-14,220.04	4,828.43	4,552.43	276.00	17.495					
17,500.00	7,001.00	17,130.00	7,210.02	254.79	271.45	98.83	-5,663.37	-14,220.04	4,733.51	4,454.18	279.33	16.946					
17,600.00	7,001.00	17,130.00	7,210.02	257.10	271.45	98.83	-5,663.37	-14,220.04	4,638.82	4,356.02	282.80	16.403					
17,700.00	7,001.00	17,130.00	7,210.02	259.42	271.45	98.83	-5,663.37	-14,220.04	4,544.34	4,257.94	286.40	15.867					
17,800.00	7,001.00	17,130.00	7,210.02	261.74	271.45	98.83	-5,663.37	-14,220.04	4,450.12	4,159.96	290.16	15.337					
17,900.00	7,001.00	17,130.00	7,210.02	264.08	271.45	98.83	-5,663.37	-14,220.04	4,356.14	4,062.07	294.07	14.813					
18,000.00	7,001.00	17,130.00	7,210.02	266.42	271.45	98.83	-5,663.37	-14,220.04	4,262.45	3,964.30	298.14	14.297					
18,100.00	7,001.00	17,130.00	7,210.02	268.78	271.45	98.83	-5,663.37	-14,220.04	4,169.04	3,866.65	302.39	13.787					
18,200.00	7,001.00	17,130.00	7,210.02	271.14	271.45	98.83	-5,663.37	-14,220.04	4,075.95	3,769.13	306.82	13.284					
18,300.00	7,001.00	17,130.00	7,210.02	273.51	271.45	98.83	-5,663.37	-14,220.04	3,983.19	3,671.74	311.45	12.789					
18,400.00	7,001.00	17,130.00	7,210.02	275.89	271.45	98.83	-5,663.37	-14,220.04	3,890.79	3,574.51	316.28	12.302					
18,500.00	7,001.00	17,130.00	7,210.02	278.27	271.45	98.83	-5,663.37	-14,220.04	3,798.78	3,477.45	321.33	11.822					
18,600.00	7,001.00	17,130.00	7,210.02	280.67	271.45	98.83	-5,663.37	-14,220.04	3,707.18	3,380.57	326.61	11.351					
18,700.00	7,001.00	17,130.00	7,210.02	283.07	271.45	98.83	-5,663.37	-14,220.04	3,616.03	3,283.90	332.13	10.887					
18,800.00	7,001.00	17,130.00	7,210.02	285.48	271.45	98.83	-5,663.37	-14,220.04	3,525.35	3,187.45	337.91	10.433					
18,900.00	7,001.00	17,130.00	7,210.02	287.89	271.45	98.83	-5,663.37	-14,220.04	3,435.20	3,091.24	343.95	9.987					
19,000.00	7,001.00	17,130.00	7,210.02	290.31	271.45	98.83	-5,663.37	-14,220.04	3,345.60	2,995.31	350.29	9.551					
19,100.00	7,001.00	17,130.00	7,210.02	292.74	271.45	98.83	-5,663.37	-14,220.04	3,256.61	2,899.68	356.93	9.124					
19,200.00	7,001.00	17,130.00	7,210.02	295.17	271.45	98.83	-5,663.37	-14,220.04	3,168.27	2,804.39	363.89	8.707					
19,300.00	7,001.00	17,130.00	7,210.02	297.61	271.45	98.83	-5,663.37	-14,220.04	3,080.65	2,709.47	371.18	8.300					
19,400.00	7,001.00	17,130.00	7,210.02	300.06	271.45	98.83	-5,663.37	-14,220.04	2,993.80	2,614.98	378.83	7.903					
19,500.00	7,001.00	17,130.00	7,210.02	302.51	271.45	98.83	-5,663.37	-14,220.04	2,907.80	2,520.96	386.84	7.517					
19,600.00	7,001.00	17,130.00	7,210.02	304.97	271.45	98.83	-5,663.37	-14,220.04	2,822.72	2,427.48	395.25	7.142					
19,700.00	7,001.00	17,130.00	7,210.02	307.43	271.45	98.83	-5,663.37	-14,220.04	2,738.66	2,334.60	404.05	6.778					
19,800.00	7,001.00	17,130.00	7,210.02	309.90	271.45	98.83	-5,663.37	-14,220.04	2,655.69	2,242.41	413.28	6.426					
19,900.00	7,001.00	17,130.00	7,210.02	312.38	271.45	98.83	-5,663.37	-14,220.04	2,573.94	2,151.01	422.93	6.086					
20,000.00	7,001.00	17,130.00	7,210.02	314.85	271.45	98.83	-5,663.37	-14,220.04	2,493.51	2,060.49	433.02	5.758					
20,100.00	7,001.00	17,130.00	7,210.02	317.34	271.45	98.83	-5,663.37	-14,220.04	2,414.55	1,971.00	443.55	5.444					
20,200.00	7,001.00	17,130.00	7,210.02	319.83	271.45	98.83	-5,663.37	-14,220.04	2,337.20	1,882.68	454.53	5.142					
20,300.00	7,001.00	17,130.00	7,210.02	322.32	271.45	98.83	-5,663.37	-14,220.04	2,261.63	1,795.70	465.93	4.854					
20,400.00	7,001.00	17,130.00	7,210.02	324.82	271.45	98.83	-5,663.37	-14,220.04	2,188.02	1,710.29	477.74	4.580					
20,500.00	7,001.00	17,130.00	7,210.02	327.32	271.45	98.83	-5,663.37	-14,220.04	2,116.58	1,626.66	489.91	4.320					
20,600.00	7,001.00	17,130.00	7,210.02	329.83	271.45	98.83	-5,663.37	-14,220.04	2,047.52	1,545.12	502.41	4.075					
20,700.00	7,001.00	17,130.00	7,210.02	332.34	271.45	98.83	-5,663.37	-14,220.04	1,981.11	1,465.97	515.14	3.846					
20,800.00	7,001.00	17,130.00	7,210.02	334.85	271.45	98.83	-5,663.37	-14,220.04	1,917.62	1,389.60	528.02	3.632					
20,900.00	7,001.00	17,130.00	7,210.02	337.37	271.45	98.83	-5,663.37	-14,220.04	1,857.35	1,316.44	540.91	3.434					
21,000.00	7,001.00	17,130.00	7,210.02	339.89	271.45	98.83	-5,663.37	-14,220.04	1,800.61	1,246.97	553.64	3.252					
21,100.00	7,001.00	17,130.00	7,210.02	342.42	271.45	98.83	-5,663.37	-14,220.04	1,747.76	1,181.74	566.01	3.088					
21,200.00	7,001.00	17,130.00	7,210.02	344.95	271.45	98.83	-5,663.37	-14,220.04	1,699.15	1,121.36	577.79	2.941					
21,300.00	7,001.00	17,130.00	7,210.02	347.48	271.45	98.83	-5,663.37	-14,220.04	1,655.16	1,066.47	588.70	2.812					
21,400.00	7,001.00	17,130.00	7,210.02	350.02	271.45	98.83	-5,663.37	-14,220.04	1,616.18	1,017.74	598.44	2.701					
21,500.00	7,001.00	17,130.00	7,210.02	352.56	271.45	98.83	-5,663.37	-14,220.04	1,582.56	975.87	606.69	2.609					
21,600.00	7,001.00	17,130.00	7,210.02	355.10	271.45	98.83	-5,663.37	-14,220.04	1,554.65	941.52	613.13	2.536					
21,700.00	7,001.00	17,130.00	7,210.02	357.65	271.45	98.83	-5,663.37	-14,220.04	1,532.77	915.29	617.49	2.482					
21,800.00	7,001.00	17,130.00	7,210.02	360.20	271.45	98.83	-5,663.37	-14,220.04	1,517.19	897.69	619.50	2.449					
21,818.56	7,001.00	17,130.00	7,210.02	360.67	271.45	98.83	-5,663.37	-14,220.04	1,515.00	895.41	619.60	2.445	CC, ES, SF				

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 5-T6N-R67W - VARRA 5 - Wellbore #1 - Wellbore #1		Offset Site Error:		0.00 usft
Survey Program: 1662-MWD OWSG													Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis		Distance								Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
11,900.00	7,001.00	16,905.00	6,998.53	154.06	271.34	90.86	-5,851.55	-14,222.00	10,172.72	9,988.16	184.56	55.119					
12,000.00	7,001.00	16,905.00	6,998.53	155.15	271.34	90.86	-5,851.55	-14,222.00	10,073.55	9,888.38	185.17	54.401					
12,100.00	7,001.00	16,905.00	6,998.53	156.27	271.34	90.86	-5,851.55	-14,222.00	9,974.39	9,788.60	185.80	53.684					
12,200.00	7,001.00	16,905.00	6,998.53	157.43	271.34	90.86	-5,851.55	-14,222.00	9,875.26	9,688.82	186.44	52.968					
12,300.00	7,001.00	16,905.00	6,998.53	158.61	271.34	90.86	-5,851.55	-14,222.00	9,776.13	9,589.04	187.09	52.253					
12,400.00	7,001.00	16,905.00	6,998.53	159.82	271.34	90.86	-5,851.55	-14,222.00	9,677.03	9,489.27	187.76	51.539					
12,500.00	7,001.00	16,905.00	6,998.53	161.07	271.34	90.86	-5,851.55	-14,222.00	9,577.95	9,389.50	188.45	50.826					
12,600.00	7,001.00	16,905.00	6,998.53	162.34	271.34	90.86	-5,851.55	-14,222.00	9,478.88	9,289.74	189.14	50.114					
12,700.00	7,001.00	16,905.00	6,998.53	163.64	271.34	90.86	-5,851.55	-14,222.00	9,379.84	9,189.98	189.86	49.404					
12,800.00	7,001.00	16,905.00	6,998.53	164.98	271.34	90.86	-5,851.55	-14,222.00	9,280.81	9,090.22	190.59	48.695					
12,900.00	7,001.00	16,905.00	6,998.53	166.34	271.34	90.86	-5,851.55	-14,222.00	9,181.81	8,990.47	191.34	47.987					
13,000.00	7,001.00	16,905.00	6,998.53	167.74	271.34	90.86	-5,851.55	-14,222.00	9,082.82	8,890.72	192.11	47.280					
13,100.00	7,001.00	16,905.00	6,998.53	169.16	271.34	90.86	-5,851.55	-14,222.00	8,983.86	8,790.97	192.89	46.575					
13,200.00	7,001.00	16,905.00	6,998.53	170.61	271.34	90.86	-5,851.55	-14,222.00	8,884.93	8,691.23	193.70	45.871					
13,300.00	7,001.00	16,905.00	6,998.53	172.10	271.34	90.86	-5,851.55	-14,222.00	8,786.02	8,591.50	194.52	45.168					
13,400.00	7,001.00	16,905.00	6,998.53	173.61	271.34	90.86	-5,851.55	-14,222.00	8,687.13	8,491.77	195.36	44.467					
13,500.00	7,001.00	16,905.00	6,998.53	175.15	271.34	90.86	-5,851.55	-14,222.00	8,588.27	8,392.04	196.23	43.767					
13,600.00	7,001.00	16,905.00	6,998.53	176.72	271.34	90.86	-5,851.55	-14,222.00	8,489.43	8,292.32	197.11	43.069					
13,700.00	7,001.00	16,905.00	6,998.53	178.31	271.34	90.86	-5,851.55	-14,222.00	8,390.63	8,192.61	198.02	42.373					
13,800.00	7,001.00	16,905.00	6,998.53	179.94	271.34	90.86	-5,851.55	-14,222.00	8,291.85	8,092.90	198.95	41.678					
13,900.00	7,001.00	16,905.00	6,998.53	181.59	271.34	90.86	-5,851.55	-14,222.00	8,193.10	7,993.19	199.90	40.985					
14,000.00	7,001.00	16,905.00	6,998.53	183.26	271.34	90.86	-5,851.55	-14,222.00	8,094.38	7,893.50	200.88	40.294					
14,100.00	7,001.00	16,905.00	6,998.53	184.97	271.34	90.86	-5,851.55	-14,222.00	7,995.69	7,793.80	201.89	39.604					
14,200.00	7,001.00	16,905.00	6,998.53	186.70	271.34	90.86	-5,851.55	-14,222.00	7,897.04	7,694.12	202.92	38.917					
14,300.00	7,001.00	16,905.00	6,998.53	188.45	271.34	90.86	-5,851.55	-14,222.00	7,798.42	7,594.44	203.98	38.231					
14,400.00	7,001.00	16,905.00	6,998.53	190.23	271.34	90.86	-5,851.55	-14,222.00	7,699.84	7,494.77	205.07	37.548					
14,500.00	7,001.00	16,905.00	6,998.53	192.03	271.34	90.86	-5,851.55	-14,222.00	7,601.29	7,395.10	206.19	36.866					
14,600.00	7,001.00	16,905.00	6,998.53	193.86	271.34	90.86	-5,851.55	-14,222.00	7,502.78	7,295.45	207.34	36.187					
14,700.00	7,001.00	16,905.00	6,998.53	195.71	271.34	90.86	-5,851.55	-14,222.00	7,404.31	7,195.80	208.52	35.509					
14,800.00	7,001.00	16,905.00	6,998.53	197.58	271.34	90.86	-5,851.55	-14,222.00	7,305.89	7,096.16	209.73	34.834					
14,900.00	7,001.00	16,905.00	6,998.53	199.47	271.34	90.86	-5,851.55	-14,222.00	7,207.51	6,996.52	210.98	34.162					
15,000.00	7,001.00	16,905.00	6,998.53	201.39	271.34	90.86	-5,851.55	-14,222.00	7,109.17	6,896.90	212.27	33.491					
15,100.00	7,001.00	16,905.00	6,998.53	203.32	271.34	90.86	-5,851.55	-14,222.00	7,010.88	6,797.28	213.59	32.824					
15,200.00	7,001.00	16,905.00	6,998.53	205.28	271.34	90.86	-5,851.55	-14,222.00	6,912.63	6,697.68	214.96	32.158					
15,300.00	7,001.00	16,905.00	6,998.53	207.25	271.34	90.86	-5,851.55	-14,222.00	6,814.44	6,598.08	216.36	31.496					
15,400.00	7,001.00	16,905.00	6,998.53	209.25	271.34	90.86	-5,851.55	-14,222.00	6,716.31	6,498.50	217.81	30.836					
15,500.00	7,001.00	16,905.00	6,998.53	211.26	271.34	90.86	-5,851.55	-14,222.00	6,618.22	6,398.93	219.30	30.179					
15,600.00	7,001.00	16,905.00	6,998.53	213.30	271.34	90.86	-5,851.55	-14,222.00	6,520.20	6,299.37	220.84	29.525					
15,700.00	7,001.00	16,905.00	6,998.53	215.35	271.34	90.86	-5,851.55	-14,222.00	6,422.24	6,199.82	222.42	28.874					
15,800.00	7,001.00	16,905.00	6,998.53	217.42	271.34	90.86	-5,851.55	-14,222.00	6,324.34	6,100.28	224.06	28.226					
15,900.00	7,001.00	16,905.00	6,998.53	219.50	271.34	90.86	-5,851.55	-14,222.00	6,226.51	6,000.76	225.75	27.581					
16,000.00	7,001.00	16,905.00	6,998.53	221.60	271.34	90.86	-5,851.55	-14,222.00	6,128.75	5,901.25	227.50	26.940					
16,100.00	7,001.00	16,905.00	6,998.53	223.72	271.34	90.86	-5,851.55	-14,222.00	6,031.06	5,801.75	229.30	26.302					
16,200.00	7,001.00	16,905.00	6,998.53	225.85	271.34	90.86	-5,851.55	-14,222.00	5,933.45	5,702.28	231.17	25.667					
16,300.00	7,001.00	16,905.00	6,998.53	228.00	271.34	90.86	-5,851.55	-14,222.00	5,835.92	5,602.82	233.10	25.036					
16,400.00	7,001.00	16,905.00	6,998.53	230.16	271.34	90.86	-5,851.55	-14,222.00	5,738.47	5,503.37	235.10	24.409					
16,500.00	7,001.00	16,905.00	6,998.53	232.34	271.34	90.86	-5,851.55	-14,222.00	5,641.12	5,403.95	237.16	23.786					
16,600.00	7,001.00	16,905.00	6,998.53	234.53	271.34	90.86	-5,851.55	-14,222.00	5,543.85	5,304.55	239.31	23.166					
16,700.00	7,001.00	16,905.00	6,998.53	236.73	271.34	90.86	-5,851.55	-14,222.00	5,446.69	5,205.17	241.52	22.551					
16,800.00	7,001.00	16,905.00	6,998.53	238.95	271.34	90.86	-5,851.55	-14,222.00	5,349.63	5,105.81	243.83	21.940					
16,900.00	7,001.00	16,905.00	6,998.53	241.18	271.34	90.86	-5,851.55	-14,222.00	5,252.68	5,006.47	246.21	21.334					
17,000.00	7,001.00	16,905.00	6,998.53	243.42	271.34	90.86	-5,851.55	-14,222.00	5,155.85	4,907.16	248.69	20.732					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1662-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,100.00	7,001.00	16,905.00	6,998.53	245.67	271.34	90.86	-5,851.55	-14,222.00	5,059.15	4,807.88	251.26	20.135		
17,200.00	7,001.00	16,905.00	6,998.53	247.93	271.34	90.86	-5,851.55	-14,222.00	4,962.57	4,708.63	253.93	19.543		
17,300.00	7,001.00	16,905.00	6,998.53	250.21	271.34	90.86	-5,851.55	-14,222.00	4,866.13	4,609.41	256.71	18.955		
17,400.00	7,001.00	16,905.00	6,998.53	252.50	271.34	90.86	-5,851.55	-14,222.00	4,769.84	4,510.23	259.61	18.373		
17,500.00	7,001.00	16,905.00	6,998.53	254.79	271.34	90.86	-5,851.55	-14,222.00	4,673.70	4,411.08	262.61	17.797		
17,600.00	7,001.00	16,905.00	6,998.53	257.10	271.34	90.86	-5,851.55	-14,222.00	4,577.73	4,311.98	265.75	17.226		
17,700.00	7,001.00	16,905.00	6,998.53	259.42	271.34	90.86	-5,851.55	-14,222.00	4,481.93	4,212.92	269.02	16.660		
17,800.00	7,001.00	16,905.00	6,998.53	261.74	271.34	90.86	-5,851.55	-14,222.00	4,386.33	4,113.90	272.42	16.101		
17,900.00	7,001.00	16,905.00	6,998.53	264.08	271.34	90.86	-5,851.55	-14,222.00	4,290.92	4,014.94	275.98	15.548		
18,000.00	7,001.00	16,905.00	6,998.53	266.42	271.34	90.86	-5,851.55	-14,222.00	4,195.72	3,916.03	279.69	15.001		
18,100.00	7,001.00	16,905.00	6,998.53	268.78	271.34	90.86	-5,851.55	-14,222.00	4,100.76	3,817.18	283.57	14.461		
18,200.00	7,001.00	16,905.00	6,998.53	271.14	271.34	90.86	-5,851.55	-14,222.00	4,006.04	3,718.41	287.63	13.928		
18,300.00	7,001.00	16,905.00	6,998.53	273.51	271.34	90.86	-5,851.55	-14,222.00	3,911.58	3,619.70	291.88	13.401		
18,400.00	7,001.00	16,905.00	6,998.53	275.89	271.34	90.86	-5,851.55	-14,222.00	3,817.41	3,521.08	296.33	12.882		
18,500.00	7,001.00	16,905.00	6,998.53	278.27	271.34	90.86	-5,851.55	-14,222.00	3,723.54	3,422.55	300.99	12.371		
18,600.00	7,001.00	16,905.00	6,998.53	280.67	271.34	90.86	-5,851.55	-14,222.00	3,630.00	3,324.11	305.88	11.867		
18,700.00	7,001.00	16,905.00	6,998.53	283.07	271.34	90.86	-5,851.55	-14,222.00	3,536.81	3,225.79	311.02	11.372		
18,800.00	7,001.00	16,905.00	6,998.53	285.48	271.34	90.86	-5,851.55	-14,222.00	3,444.00	3,127.59	316.41	10.885		
18,900.00	7,001.00	16,905.00	6,998.53	287.89	271.34	90.86	-5,851.55	-14,222.00	3,351.61	3,029.53	322.08	10.406		
19,000.00	7,001.00	16,905.00	6,998.53	290.31	271.34	90.86	-5,851.55	-14,222.00	3,259.66	2,931.62	328.04	9.937		
19,100.00	7,001.00	16,905.00	6,998.53	292.74	271.34	90.86	-5,851.55	-14,222.00	3,168.20	2,833.89	334.31	9.477		
19,200.00	7,001.00	16,905.00	6,998.53	295.17	271.34	90.86	-5,851.55	-14,222.00	3,077.28	2,736.35	340.92	9.026		
19,300.00	7,001.00	16,905.00	6,998.53	297.61	271.34	90.86	-5,851.55	-14,222.00	2,986.93	2,639.04	347.89	8.586		
19,400.00	7,001.00	16,905.00	6,998.53	300.06	271.34	90.86	-5,851.55	-14,222.00	2,897.22	2,541.98	355.24	8.156		
19,500.00	7,001.00	16,905.00	6,998.53	302.51	271.34	90.86	-5,851.55	-14,222.00	2,808.21	2,445.22	362.99	7.736		
19,600.00	7,001.00	16,905.00	6,998.53	304.97	271.34	90.86	-5,851.55	-14,222.00	2,719.95	2,348.78	371.17	7.328		
19,700.00	7,001.00	16,905.00	6,998.53	307.43	271.34	90.86	-5,851.55	-14,222.00	2,632.54	2,252.73	379.81	6.931		
19,800.00	7,001.00	16,905.00	6,998.53	309.90	271.34	90.86	-5,851.55	-14,222.00	2,546.06	2,157.13	388.93	6.546		
19,900.00	7,001.00	16,905.00	6,998.53	312.38	271.34	90.86	-5,851.55	-14,222.00	2,460.60	2,062.04	398.56	6.174		
20,000.00	7,001.00	16,905.00	6,998.53	314.85	271.34	90.86	-5,851.55	-14,222.00	2,376.27	1,967.55	408.72	5.814		
20,100.00	7,001.00	16,905.00	6,998.53	317.34	271.34	90.86	-5,851.55	-14,222.00	2,293.21	1,873.77	419.44	5.467		
20,200.00	7,001.00	16,905.00	6,998.53	319.83	271.34	90.86	-5,851.55	-14,222.00	2,211.54	1,780.81	430.73	5.134		
20,300.00	7,001.00	16,905.00	6,998.53	322.32	271.34	90.86	-5,851.55	-14,222.00	2,131.44	1,688.83	442.61	4.816		
20,400.00	7,001.00	16,905.00	6,998.53	324.82	271.34	90.86	-5,851.55	-14,222.00	2,053.09	1,598.01	455.08	4.512		
20,500.00	7,001.00	16,905.00	6,998.53	327.32	271.34	90.86	-5,851.55	-14,222.00	1,976.69	1,508.57	468.12	4.223		
20,600.00	7,001.00	16,905.00	6,998.53	329.83	271.34	90.86	-5,851.55	-14,222.00	1,902.48	1,420.76	481.72	3.949		
20,700.00	7,001.00	16,905.00	6,998.53	332.34	271.34	90.86	-5,851.55	-14,222.00	1,830.73	1,334.91	495.81	3.692		
20,800.00	7,001.00	16,905.00	6,998.53	334.85	271.34	90.86	-5,851.55	-14,222.00	1,761.73	1,251.40	510.33	3.452		
20,900.00	7,001.00	16,905.00	6,998.53	337.37	271.34	90.86	-5,851.55	-14,222.00	1,695.82	1,170.69	525.13	3.229		
21,000.00	7,001.00	16,905.00	6,998.53	339.89	271.34	90.86	-5,851.55	-14,222.00	1,633.39	1,093.32	540.07	3.024		
21,100.00	7,001.00	16,905.00	6,998.53	342.42	271.34	90.86	-5,851.55	-14,222.00	1,574.83	1,019.92	554.91	2.838		
21,200.00	7,001.00	16,905.00	6,998.53	344.95	271.34	90.86	-5,851.55	-14,222.00	1,520.59	951.23	569.36	2.671		
21,300.00	7,001.00	16,905.00	6,998.53	347.48	271.34	90.86	-5,851.55	-14,222.00	1,471.17	888.10	583.07	2.523		
21,400.00	7,001.00	16,905.00	6,998.53	350.02	271.34	90.86	-5,851.55	-14,222.00	1,427.05	831.43	595.62	2.396		
21,500.00	7,001.00	16,905.00	6,998.53	352.56	271.34	90.86	-5,851.55	-14,222.00	1,388.74	782.21	606.53	2.290		
21,600.00	7,001.00	16,905.00	6,998.53	355.10	271.34	90.86	-5,851.55	-14,222.00	1,356.73	741.42	615.31	2.205		
21,700.00	7,001.00	16,905.00	6,998.53	357.65	271.34	90.86	-5,851.55	-14,222.00	1,331.48	710.00	621.48	2.142		
21,800.00	7,001.00	16,905.00	6,998.53	360.20	271.34	90.86	-5,851.55	-14,222.00	1,313.38	688.77	624.61	2.103		
21,818.56	7,001.00	16,905.00	6,998.53	360.67	271.34	90.86	-5,851.55	-14,222.00	1,310.84	686.01	624.83	2.098	CC, ES, SF	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1662-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,000.00	7,001.00	17,004.00	7,125.88	155.15	269.94	98.79	-6,201.29	-14,263.40	10,076.13	9,901.86	174.28	57.817		
12,100.00	7,001.00	17,004.00	7,125.88	156.27	269.94	98.79	-6,201.29	-14,263.40	9,976.59	9,801.89	174.71	57.105		
12,200.00	7,001.00	17,004.00	7,125.88	157.43	269.94	98.79	-6,201.29	-14,263.40	9,877.06	9,701.92	175.15	56.393		
12,300.00	7,001.00	17,004.00	7,125.88	158.61	269.94	98.79	-6,201.29	-14,263.40	9,777.54	9,601.94	175.60	55.681		
12,400.00	7,001.00	17,004.00	7,125.88	159.82	269.94	98.79	-6,201.29	-14,263.40	9,678.03	9,501.97	176.06	54.970		
12,500.00	7,001.00	17,004.00	7,125.88	161.07	269.94	98.79	-6,201.29	-14,263.40	9,578.53	9,402.00	176.53	54.259		
12,600.00	7,001.00	17,004.00	7,125.88	162.34	269.94	98.79	-6,201.29	-14,263.40	9,479.04	9,302.03	177.02	53.549		
12,700.00	7,001.00	17,004.00	7,125.88	163.64	269.94	98.79	-6,201.29	-14,263.40	9,379.56	9,202.05	177.51	52.839		
12,800.00	7,001.00	17,004.00	7,125.88	164.98	269.94	98.79	-6,201.29	-14,263.40	9,280.09	9,102.08	178.02	52.130		
12,900.00	7,001.00	17,004.00	7,125.88	166.34	269.94	98.79	-6,201.29	-14,263.40	9,180.64	9,002.10	178.54	51.422		
13,000.00	7,001.00	17,004.00	7,125.88	167.74	269.94	98.79	-6,201.29	-14,263.40	9,081.19	8,902.13	179.07	50.714		
13,100.00	7,001.00	17,004.00	7,125.88	169.16	269.94	98.79	-6,201.29	-14,263.40	8,981.76	8,802.15	179.61	50.006		
13,200.00	7,001.00	17,004.00	7,125.88	170.61	269.94	98.79	-6,201.29	-14,263.40	8,882.34	8,702.17	180.17	49.300		
13,300.00	7,001.00	17,004.00	7,125.88	172.10	269.94	98.79	-6,201.29	-14,263.40	8,782.93	8,602.19	180.74	48.593		
13,400.00	7,001.00	17,004.00	7,125.88	173.61	269.94	98.79	-6,201.29	-14,263.40	8,683.54	8,502.21	181.33	47.888		
13,500.00	7,001.00	17,004.00	7,125.88	175.15	269.94	98.79	-6,201.29	-14,263.40	8,584.16	8,402.23	181.93	47.183		
13,600.00	7,001.00	17,004.00	7,125.88	176.72	269.94	98.79	-6,201.29	-14,263.40	8,484.80	8,302.25	182.55	46.479		
13,700.00	7,001.00	17,004.00	7,125.88	178.31	269.94	98.79	-6,201.29	-14,263.40	8,385.45	8,202.27	183.18	45.776		
13,800.00	7,001.00	17,004.00	7,125.88	179.94	269.94	98.79	-6,201.29	-14,263.40	8,286.12	8,102.28	183.83	45.074		
13,900.00	7,001.00	17,004.00	7,125.88	181.59	269.94	98.79	-6,201.29	-14,263.40	8,186.80	8,002.30	184.50	44.372		
14,000.00	7,001.00	17,004.00	7,125.88	183.26	269.94	98.79	-6,201.29	-14,263.40	8,087.50	7,902.31	185.19	43.672		
14,100.00	7,001.00	17,004.00	7,125.88	184.97	269.94	98.79	-6,201.29	-14,263.40	7,988.22	7,802.33	185.89	42.972		
14,200.00	7,001.00	17,004.00	7,125.88	186.70	269.94	98.79	-6,201.29	-14,263.40	7,888.95	7,702.34	186.62	42.274		
14,300.00	7,001.00	17,004.00	7,125.88	188.45	269.94	98.79	-6,201.29	-14,263.40	7,789.71	7,602.35	187.36	41.576		
14,400.00	7,001.00	17,004.00	7,125.88	190.23	269.94	98.79	-6,201.29	-14,263.40	7,690.48	7,502.35	188.13	40.879		
14,500.00	7,001.00	17,004.00	7,125.88	192.03	269.94	98.79	-6,201.29	-14,263.40	7,591.28	7,402.36	188.91	40.184		
14,600.00	7,001.00	17,004.00	7,125.88	193.86	269.94	98.79	-6,201.29	-14,263.40	7,492.09	7,302.37	189.72	39.489		
14,700.00	7,001.00	17,004.00	7,125.88	195.71	269.94	98.79	-6,201.29	-14,263.40	7,392.93	7,202.37	190.56	38.796		
14,800.00	7,001.00	17,004.00	7,125.88	197.58	269.94	98.79	-6,201.29	-14,263.40	7,293.79	7,102.37	191.42	38.104		
14,900.00	7,001.00	17,004.00	7,125.88	199.47	269.94	98.79	-6,201.29	-14,263.40	7,194.67	7,002.37	192.30	37.414		
15,000.00	7,001.00	17,004.00	7,125.88	201.39	269.94	98.79	-6,201.29	-14,263.40	7,095.58	6,902.37	193.21	36.724		
15,100.00	7,001.00	17,004.00	7,125.88	203.32	269.94	98.79	-6,201.29	-14,263.40	6,996.51	6,802.36	194.15	36.037		
15,200.00	7,001.00	17,004.00	7,125.88	205.28	269.94	98.79	-6,201.29	-14,263.40	6,897.48	6,702.36	195.12	35.350		
15,300.00	7,001.00	17,004.00	7,125.88	207.25	269.94	98.79	-6,201.29	-14,263.40	6,798.47	6,602.35	196.12	34.666		
15,400.00	7,001.00	17,004.00	7,125.88	209.25	269.94	98.79	-6,201.29	-14,263.40	6,699.48	6,502.34	197.15	33.982		
15,500.00	7,001.00	17,004.00	7,125.88	211.26	269.94	98.79	-6,201.29	-14,263.40	6,600.53	6,402.32	198.21	33.301		
15,600.00	7,001.00	17,004.00	7,125.88	213.30	269.94	98.79	-6,201.29	-14,263.40	6,501.62	6,302.31	199.31	32.621		
15,700.00	7,001.00	17,004.00	7,125.88	215.35	269.94	98.79	-6,201.29	-14,263.40	6,402.73	6,202.29	200.44	31.943		
15,800.00	7,001.00	17,004.00	7,125.88	217.42	269.94	98.79	-6,201.29	-14,263.40	6,303.88	6,102.27	201.61	31.267		
15,900.00	7,001.00	17,004.00	7,125.88	219.50	269.94	98.79	-6,201.29	-14,263.40	6,205.07	6,002.24	202.83	30.593		
16,000.00	7,001.00	17,004.00	7,125.88	221.60	269.94	98.79	-6,201.29	-14,263.40	6,106.30	5,902.21	204.08	29.921		
16,100.00	7,001.00	17,004.00	7,125.88	223.72	269.94	98.79	-6,201.29	-14,263.40	6,007.56	5,802.18	205.38	29.251		
16,200.00	7,001.00	17,004.00	7,125.88	225.85	269.94	98.79	-6,201.29	-14,263.40	5,908.87	5,702.15	206.72	28.583		
16,300.00	7,001.00	17,004.00	7,125.88	228.00	269.94	98.79	-6,201.29	-14,263.40	5,810.23	5,602.11	208.12	27.918		
16,400.00	7,001.00	17,004.00	7,125.88	230.16	269.94	98.79	-6,201.29	-14,263.40	5,711.63	5,502.07	209.56	27.255		
16,500.00	7,001.00	17,004.00	7,125.88	232.34	269.94	98.79	-6,201.29	-14,263.40	5,613.08	5,402.02	211.06	26.595		
16,600.00	7,001.00	17,004.00	7,125.88	234.53	269.94	98.79	-6,201.29	-14,263.40	5,514.58	5,301.97	212.61	25.937		
16,700.00	7,001.00	17,004.00	7,125.88	236.73	269.94	98.79	-6,201.29	-14,263.40	5,416.14	5,201.92	214.22	25.283		
16,800.00	7,001.00	17,004.00	7,125.88	238.95	269.94	98.79	-6,201.29	-14,263.40	5,317.76	5,101.86	215.90	24.631		
16,900.00	7,001.00	17,004.00	7,125.88	241.18	269.94	98.79	-6,201.29	-14,263.40	5,219.43	5,001.79	217.64	23.982		
17,000.00	7,001.00	17,004.00	7,125.88	243.42	269.94	98.79	-6,201.29	-14,263.40	5,121.18	4,901.72	219.45	23.336		
17,100.00	7,001.00	17,004.00	7,125.88	245.67	269.94	98.79	-6,201.29	-14,263.40	5,022.99	4,801.65	221.34	22.694		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1662-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,200.00	7,001.00	17,004.00	7,125.88	247.93	269.94	98.79	-6,201.29	-14,263.40	4,924.87	4,701.57	223.30	22.055		
17,300.00	7,001.00	17,004.00	7,125.88	250.21	269.94	98.79	-6,201.29	-14,263.40	4,826.83	4,601.48	225.35	21.419		
17,400.00	7,001.00	17,004.00	7,125.88	252.50	269.94	98.79	-6,201.29	-14,263.40	4,728.88	4,501.39	227.48	20.788		
17,500.00	7,001.00	17,004.00	7,125.88	254.79	269.94	98.79	-6,201.29	-14,263.40	4,631.01	4,401.30	229.71	20.160		
17,600.00	7,001.00	17,004.00	7,125.88	257.10	269.94	98.79	-6,201.29	-14,263.40	4,533.23	4,301.19	232.04	19.537		
17,700.00	7,001.00	17,004.00	7,125.88	259.42	269.94	98.79	-6,201.29	-14,263.40	4,435.56	4,201.09	234.47	18.917		
17,800.00	7,001.00	17,004.00	7,125.88	261.74	269.94	98.79	-6,201.29	-14,263.40	4,337.99	4,100.97	237.02	18.302		
17,900.00	7,001.00	17,004.00	7,125.88	264.08	269.94	98.79	-6,201.29	-14,263.40	4,240.53	4,000.85	239.68	17.692		
18,000.00	7,001.00	17,004.00	7,125.88	266.42	269.94	98.79	-6,201.29	-14,263.40	4,143.19	3,900.72	242.47	17.087		
18,100.00	7,001.00	17,004.00	7,125.88	268.78	269.94	98.79	-6,201.29	-14,263.40	4,045.99	3,800.58	245.40	16.487		
18,200.00	7,001.00	17,004.00	7,125.88	271.14	269.94	98.79	-6,201.29	-14,263.40	3,948.92	3,700.44	248.48	15.893		
18,300.00	7,001.00	17,004.00	7,125.88	273.51	269.94	98.79	-6,201.29	-14,263.40	3,852.00	3,600.30	251.71	15.304		
18,400.00	7,001.00	17,004.00	7,125.88	275.89	269.94	98.79	-6,201.29	-14,263.40	3,755.25	3,500.14	255.10	14.720		
18,500.00	7,001.00	17,004.00	7,125.88	278.27	269.94	98.79	-6,201.29	-14,263.40	3,658.67	3,399.98	258.68	14.144		
18,600.00	7,001.00	17,004.00	7,125.88	280.67	269.94	98.79	-6,201.29	-14,263.40	3,562.27	3,299.82	262.45	13.573		
18,700.00	7,001.00	17,004.00	7,125.88	283.07	269.94	98.79	-6,201.29	-14,263.40	3,466.09	3,199.65	266.43	13.009		
18,800.00	7,001.00	17,004.00	7,125.88	285.48	269.94	98.79	-6,201.29	-14,263.40	3,370.12	3,099.49	270.64	12.453		
18,900.00	7,001.00	17,004.00	7,125.88	287.89	269.94	98.79	-6,201.29	-14,263.40	3,274.40	2,999.32	275.08	11.903		
19,000.00	7,001.00	17,004.00	7,125.88	290.31	269.94	98.79	-6,201.29	-14,263.40	3,178.94	2,899.15	279.79	11.362		
19,100.00	7,001.00	17,004.00	7,125.88	292.74	269.94	98.79	-6,201.29	-14,263.40	3,083.76	2,798.98	284.78	10.829		
19,200.00	7,001.00	17,004.00	7,125.88	295.17	269.94	98.79	-6,201.29	-14,263.40	2,988.91	2,698.83	290.08	10.304		
19,300.00	7,001.00	17,004.00	7,125.88	297.61	269.94	98.79	-6,201.29	-14,263.40	2,894.39	2,598.69	295.71	9.788		
19,400.00	7,001.00	17,004.00	7,125.88	300.06	269.94	98.79	-6,201.29	-14,263.40	2,800.26	2,498.56	301.70	9.282		
19,500.00	7,001.00	17,004.00	7,125.88	302.51	269.94	98.79	-6,201.29	-14,263.40	2,706.55	2,398.47	308.09	8.785		
19,600.00	7,001.00	17,004.00	7,125.88	304.97	269.94	98.79	-6,201.29	-14,263.40	2,613.31	2,298.41	314.90	8.299		
19,700.00	7,001.00	17,004.00	7,125.88	307.43	269.94	98.79	-6,201.29	-14,263.40	2,520.59	2,198.40	322.18	7.824		
19,800.00	7,001.00	17,004.00	7,125.88	309.90	269.94	98.79	-6,201.29	-14,263.40	2,428.44	2,098.47	329.97	7.360		
19,900.00	7,001.00	17,004.00	7,125.88	312.38	269.94	98.79	-6,201.29	-14,263.40	2,336.94	1,998.62	338.31	6.908		
20,000.00	7,001.00	17,004.00	7,125.88	314.85	269.94	98.79	-6,201.29	-14,263.40	2,246.16	1,898.90	347.26	6.468		
20,100.00	7,001.00	17,004.00	7,125.88	317.34	269.94	98.79	-6,201.29	-14,263.40	2,156.20	1,799.33	356.87	6.042		
20,200.00	7,001.00	17,004.00	7,125.88	319.83	269.94	98.79	-6,201.29	-14,263.40	2,067.16	1,699.96	367.20	5.630		
20,300.00	7,001.00	17,004.00	7,125.88	322.32	269.94	98.79	-6,201.29	-14,263.40	1,979.17	1,600.87	378.30	5.232		
20,400.00	7,001.00	17,004.00	7,125.88	324.82	269.94	98.79	-6,201.29	-14,263.40	1,892.37	1,502.13	390.24	4.849		
20,500.00	7,001.00	17,004.00	7,125.88	327.32	269.94	98.79	-6,201.29	-14,263.40	1,806.94	1,403.85	403.09	4.483		
20,600.00	7,001.00	17,004.00	7,125.88	329.83	269.94	98.79	-6,201.29	-14,263.40	1,723.08	1,306.19	416.89	4.133		
20,700.00	7,001.00	17,004.00	7,125.88	332.34	269.94	98.79	-6,201.29	-14,263.40	1,641.02	1,209.32	431.70	3.801		
20,800.00	7,001.00	17,004.00	7,125.88	334.85	269.94	98.79	-6,201.29	-14,263.40	1,561.06	1,113.51	447.55	3.488		
20,900.00	7,001.00	17,004.00	7,125.88	337.37	269.94	98.79	-6,201.29	-14,263.40	1,483.53	1,019.09	464.44	3.194		
21,000.00	7,001.00	17,004.00	7,125.88	339.89	269.94	98.79	-6,201.29	-14,263.40	1,408.84	926.52	482.32	2.921		
21,100.00	7,001.00	17,004.00	7,125.88	342.42	269.94	98.79	-6,201.29	-14,263.40	1,337.46	836.38	501.07	2.669		
21,200.00	7,001.00	17,004.00	7,125.88	344.95	269.94	98.79	-6,201.29	-14,263.40	1,269.94	749.47	520.47	2.440		
21,300.00	7,001.00	17,004.00	7,125.88	347.48	269.94	98.79	-6,201.29	-14,263.40	1,206.94	666.79	540.16	2.234		
21,400.00	7,001.00	17,004.00	7,125.88	350.02	269.94	98.79	-6,201.29	-14,263.40	1,149.20	589.61	559.59	2.054		
21,500.00	7,001.00	17,004.00	7,125.88	352.56	269.94	98.79	-6,201.29	-14,263.40	1,097.55	519.52	578.03	1.899		
21,600.00	7,001.00	17,004.00	7,125.88	355.10	269.94	98.79	-6,201.29	-14,263.40	1,052.89	458.37	594.52	1.771		
21,700.00	7,001.00	17,004.00	7,125.88	357.65	269.94	98.79	-6,201.29	-14,263.40	1,016.14	408.23	607.91	1.672		
21,800.00	7,001.00	17,004.00	7,125.88	360.20	269.94	98.79	-6,201.29	-14,263.40	988.18	371.19	617.00	1.602		
21,818.56	7,001.00	17,004.00	7,125.88	360.67	269.94	98.79	-6,201.29	-14,263.40	984.02	365.91	618.12	1.592	CC, ES, SF	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,900.00	7,001.00	17,100.00	7,247.03	154.06	270.51	107.42	-6,296.93	-14,226.58	10,132.85	9,960.25	172.60	58.707		
12,000.00	7,001.00	17,100.00	7,247.03	155.15	270.51	107.42	-6,296.93	-14,226.58	10,033.25	9,860.27	172.98	58.003		
12,100.00	7,001.00	17,100.00	7,247.03	156.27	270.51	107.42	-6,296.93	-14,226.58	9,933.65	9,760.29	173.36	57.300		
12,200.00	7,001.00	17,100.00	7,247.03	157.43	270.51	107.42	-6,296.93	-14,226.58	9,834.06	9,660.31	173.76	56.597		
12,300.00	7,001.00	17,100.00	7,247.03	158.61	270.51	107.42	-6,296.93	-14,226.58	9,734.48	9,560.32	174.16	55.894		
12,400.00	7,001.00	17,100.00	7,247.03	159.82	270.51	107.42	-6,296.93	-14,226.58	9,634.91	9,460.34	174.57	55.192		
12,500.00	7,001.00	17,100.00	7,247.03	161.07	270.51	107.42	-6,296.93	-14,226.58	9,535.35	9,360.35	174.99	54.490		
12,600.00	7,001.00	17,100.00	7,247.03	162.34	270.51	107.42	-6,296.93	-14,226.58	9,435.79	9,260.37	175.42	53.789		
12,700.00	7,001.00	17,100.00	7,247.03	163.64	270.51	107.42	-6,296.93	-14,226.58	9,336.25	9,160.38	175.87	53.088		
12,800.00	7,001.00	17,100.00	7,247.03	164.98	270.51	107.42	-6,296.93	-14,226.58	9,236.71	9,060.40	176.32	52.387		
12,900.00	7,001.00	17,100.00	7,247.03	166.34	270.51	107.42	-6,296.93	-14,226.58	9,137.19	8,960.41	176.78	51.686		
13,000.00	7,001.00	17,100.00	7,247.03	167.74	270.51	107.42	-6,296.93	-14,226.58	9,037.68	8,860.42	177.26	50.986		
13,100.00	7,001.00	17,100.00	7,247.03	169.16	270.51	107.42	-6,296.93	-14,226.58	8,938.17	8,760.43	177.74	50.287		
13,200.00	7,001.00	17,100.00	7,247.03	170.61	270.51	107.42	-6,296.93	-14,226.58	8,838.68	8,660.44	178.24	49.588		
13,300.00	7,001.00	17,100.00	7,247.03	172.10	270.51	107.42	-6,296.93	-14,226.58	8,739.20	8,560.45	178.75	48.889		
13,400.00	7,001.00	17,100.00	7,247.03	173.61	270.51	107.42	-6,296.93	-14,226.58	8,639.73	8,460.45	179.28	48.191		
13,500.00	7,001.00	17,100.00	7,247.03	175.15	270.51	107.42	-6,296.93	-14,226.58	8,540.28	8,360.46	179.82	47.494		
13,600.00	7,001.00	17,100.00	7,247.03	176.72	270.51	107.42	-6,296.93	-14,226.58	8,440.84	8,260.46	180.37	46.797		
13,700.00	7,001.00	17,100.00	7,247.03	178.31	270.51	107.42	-6,296.93	-14,226.58	8,341.41	8,160.47	180.94	46.101		
13,800.00	7,001.00	17,100.00	7,247.03	179.94	270.51	107.42	-6,296.93	-14,226.58	8,241.99	8,060.47	181.52	45.405		
13,900.00	7,001.00	17,100.00	7,247.03	181.59	270.51	107.42	-6,296.93	-14,226.58	8,142.59	7,960.47	182.12	44.710		
14,000.00	7,001.00	17,100.00	7,247.03	183.26	270.51	107.42	-6,296.93	-14,226.58	8,043.20	7,860.47	182.73	44.016		
14,100.00	7,001.00	17,100.00	7,247.03	184.97	270.51	107.42	-6,296.93	-14,226.58	7,943.83	7,760.47	183.36	43.323		
14,200.00	7,001.00	17,100.00	7,247.03	186.70	270.51	107.42	-6,296.93	-14,226.58	7,844.48	7,660.46	184.01	42.630		
14,300.00	7,001.00	17,100.00	7,247.03	188.45	270.51	107.42	-6,296.93	-14,226.58	7,745.14	7,560.46	184.68	41.938		
14,400.00	7,001.00	17,100.00	7,247.03	190.23	270.51	107.42	-6,296.93	-14,226.58	7,645.82	7,460.45	185.37	41.247		
14,500.00	7,001.00	17,100.00	7,247.03	192.03	270.51	107.42	-6,296.93	-14,226.58	7,546.52	7,360.44	186.07	40.556		
14,600.00	7,001.00	17,100.00	7,247.03	193.86	270.51	107.42	-6,296.93	-14,226.58	7,447.23	7,260.43	186.80	39.867		
14,700.00	7,001.00	17,100.00	7,247.03	195.71	270.51	107.42	-6,296.93	-14,226.58	7,347.97	7,160.42	187.55	39.179		
14,800.00	7,001.00	17,100.00	7,247.03	197.58	270.51	107.42	-6,296.93	-14,226.58	7,248.72	7,060.40	188.32	38.491		
14,900.00	7,001.00	17,100.00	7,247.03	199.47	270.51	107.42	-6,296.93	-14,226.58	7,149.50	6,960.38	189.11	37.805		
15,000.00	7,001.00	17,100.00	7,247.03	201.39	270.51	107.42	-6,296.93	-14,226.58	7,050.29	6,860.36	189.93	37.120		
15,100.00	7,001.00	17,100.00	7,247.03	203.32	270.51	107.42	-6,296.93	-14,226.58	6,951.12	6,760.34	190.78	36.436		
15,200.00	7,001.00	17,100.00	7,247.03	205.28	270.51	107.42	-6,296.93	-14,226.58	6,851.96	6,660.31	191.65	35.753		
15,300.00	7,001.00	17,100.00	7,247.03	207.25	270.51	107.42	-6,296.93	-14,226.58	6,752.83	6,560.28	192.55	35.071		
15,400.00	7,001.00	17,100.00	7,247.03	209.25	270.51	107.42	-6,296.93	-14,226.58	6,653.73	6,460.25	193.47	34.391		
15,500.00	7,001.00	17,100.00	7,247.03	211.26	270.51	107.42	-6,296.93	-14,226.58	6,554.65	6,360.22	194.43	33.712		
15,600.00	7,001.00	17,100.00	7,247.03	213.30	270.51	107.42	-6,296.93	-14,226.58	6,455.60	6,260.18	195.42	33.034		
15,700.00	7,001.00	17,100.00	7,247.03	215.35	270.51	107.42	-6,296.93	-14,226.58	6,356.58	6,160.14	196.44	32.358		
15,800.00	7,001.00	17,100.00	7,247.03	217.42	270.51	107.42	-6,296.93	-14,226.58	6,257.59	6,060.09	197.50	31.684		
15,900.00	7,001.00	17,100.00	7,247.03	219.50	270.51	107.42	-6,296.93	-14,226.58	6,158.64	5,960.04	198.59	31.011		
16,000.00	7,001.00	17,100.00	7,247.03	221.60	270.51	107.42	-6,296.93	-14,226.58	6,059.72	5,859.99	199.73	30.340		
16,100.00	7,001.00	17,100.00	7,247.03	223.72	270.51	107.42	-6,296.93	-14,226.58	5,960.83	5,759.93	200.90	29.671		
16,200.00	7,001.00	17,100.00	7,247.03	225.85	270.51	107.42	-6,296.93	-14,226.58	5,861.99	5,659.87	202.11	29.003		
16,300.00	7,001.00	17,100.00	7,247.03	228.00	270.51	107.42	-6,296.93	-14,226.58	5,763.18	5,559.81	203.37	28.338		
16,400.00	7,001.00	17,100.00	7,247.03	230.16	270.51	107.42	-6,296.93	-14,226.58	5,664.42	5,459.74	204.68	27.674		
16,500.00	7,001.00	17,100.00	7,247.03	232.34	270.51	107.42	-6,296.93	-14,226.58	5,565.70	5,359.66	206.04	27.013		
16,600.00	7,001.00	17,100.00	7,247.03	234.53	270.51	107.42	-6,296.93	-14,226.58	5,467.02	5,259.58	207.44	26.354		
16,700.00	7,001.00	17,100.00	7,247.03	236.73	270.51	107.42	-6,296.93	-14,226.58	5,368.40	5,159.49	208.91	25.698		
16,800.00	7,001.00	17,100.00	7,247.03	238.95	270.51	107.42	-6,296.93	-14,226.58	5,269.82	5,059.40	210.43	25.044		
16,900.00	7,001.00	17,100.00	7,247.03	241.18	270.51	107.42	-6,296.93	-14,226.58	5,171.30	4,959.30	212.01	24.392		
17,000.00	7,001.00	17,100.00	7,247.03	243.42	270.51	107.42	-6,296.93	-14,226.58	5,072.84	4,859.19	213.65	23.743		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,100.00	7,001.00	17,100.00	7,247.03	245.67	270.51	107.42	-6,296.93	-14,226.58	4,974.44	4,759.08	215.37	23.097		
17,200.00	7,001.00	17,100.00	7,247.03	247.93	270.51	107.42	-6,296.93	-14,226.58	4,876.11	4,658.95	217.16	22.454		
17,300.00	7,001.00	17,100.00	7,247.03	250.21	270.51	107.42	-6,296.93	-14,226.58	4,777.84	4,558.82	219.02	21.815		
17,400.00	7,001.00	17,100.00	7,247.03	252.50	270.51	107.42	-6,296.93	-14,226.58	4,679.65	4,458.69	220.97	21.178		
17,500.00	7,001.00	17,100.00	7,247.03	254.79	270.51	107.42	-6,296.93	-14,226.58	4,581.54	4,358.54	223.00	20.545		
17,600.00	7,001.00	17,100.00	7,247.03	257.10	270.51	107.42	-6,296.93	-14,226.58	4,483.51	4,258.39	225.12	19.916		
17,700.00	7,001.00	17,100.00	7,247.03	259.42	270.51	107.42	-6,296.93	-14,226.58	4,385.57	4,158.22	227.35	19.290		
17,800.00	7,001.00	17,100.00	7,247.03	261.74	270.51	107.42	-6,296.93	-14,226.58	4,287.72	4,058.05	229.68	18.669		
17,900.00	7,001.00	17,100.00	7,247.03	264.08	270.51	107.42	-6,296.93	-14,226.58	4,189.98	3,957.86	232.12	18.051		
18,000.00	7,001.00	17,100.00	7,247.03	266.42	270.51	107.42	-6,296.93	-14,226.58	4,092.34	3,857.67	234.68	17.438		
18,100.00	7,001.00	17,100.00	7,247.03	268.78	270.51	107.42	-6,296.93	-14,226.58	3,994.82	3,757.46	237.36	16.830		
18,200.00	7,001.00	17,100.00	7,247.03	271.14	270.51	107.42	-6,296.93	-14,226.58	3,897.43	3,657.24	240.19	16.226		
18,300.00	7,001.00	17,100.00	7,247.03	273.51	270.51	107.42	-6,296.93	-14,226.58	3,800.18	3,557.01	243.16	15.628		
18,400.00	7,001.00	17,100.00	7,247.03	275.89	270.51	107.42	-6,296.93	-14,226.58	3,703.06	3,456.77	246.29	15.035		
18,500.00	7,001.00	17,100.00	7,247.03	278.27	270.51	107.42	-6,296.93	-14,226.58	3,606.11	3,356.51	249.60	14.448		
18,600.00	7,001.00	17,100.00	7,247.03	280.67	270.51	107.42	-6,296.93	-14,226.58	3,509.33	3,256.25	253.08	13.866		
18,700.00	7,001.00	17,100.00	7,247.03	283.07	270.51	107.42	-6,296.93	-14,226.58	3,412.73	3,155.97	256.77	13.291		
18,800.00	7,001.00	17,100.00	7,247.03	285.48	270.51	107.42	-6,296.93	-14,226.58	3,316.34	3,055.67	260.66	12.723		
18,900.00	7,001.00	17,100.00	7,247.03	287.89	270.51	107.42	-6,296.93	-14,226.58	3,220.16	2,955.37	264.79	12.161		
19,000.00	7,001.00	17,100.00	7,247.03	290.31	270.51	107.42	-6,296.93	-14,226.58	3,124.23	2,855.06	269.17	11.607		
19,100.00	7,001.00	17,100.00	7,247.03	292.74	270.51	107.42	-6,296.93	-14,226.58	3,028.56	2,754.73	273.83	11.060		
19,200.00	7,001.00	17,100.00	7,247.03	295.17	270.51	107.42	-6,296.93	-14,226.58	2,933.18	2,654.40	278.78	10.522		
19,300.00	7,001.00	17,100.00	7,247.03	297.61	270.51	107.42	-6,296.93	-14,226.58	2,838.11	2,554.06	284.05	9.992		
19,400.00	7,001.00	17,100.00	7,247.03	300.06	270.51	107.42	-6,296.93	-14,226.58	2,743.40	2,453.72	289.67	9.471		
19,500.00	7,001.00	17,100.00	7,247.03	302.51	270.51	107.42	-6,296.93	-14,226.58	2,649.07	2,353.39	295.68	8.959		
19,600.00	7,001.00	17,100.00	7,247.03	304.97	270.51	107.42	-6,296.93	-14,226.58	2,555.18	2,253.07	302.11	8.458		
19,700.00	7,001.00	17,100.00	7,247.03	307.43	270.51	107.42	-6,296.93	-14,226.58	2,461.76	2,152.77	309.00	7.967		
19,800.00	7,001.00	17,100.00	7,247.03	309.90	270.51	107.42	-6,296.93	-14,226.58	2,368.89	2,052.50	316.39	7.487		
19,900.00	7,001.00	17,100.00	7,247.03	312.38	270.51	107.42	-6,296.93	-14,226.58	2,276.62	1,952.28	324.34	7.019		
20,000.00	7,001.00	17,100.00	7,247.03	314.85	270.51	107.42	-6,296.93	-14,226.58	2,185.03	1,852.13	332.89	6.564		
20,100.00	7,001.00	17,100.00	7,247.03	317.34	270.51	107.42	-6,296.93	-14,226.58	2,094.21	1,752.09	342.11	6.121		
20,200.00	7,001.00	17,100.00	7,247.03	319.83	270.51	107.42	-6,296.93	-14,226.58	2,004.26	1,652.19	352.06	5.693		
20,300.00	7,001.00	17,100.00	7,247.03	322.32	270.51	107.42	-6,296.93	-14,226.58	1,915.31	1,552.50	362.81	5.279		
20,400.00	7,001.00	17,100.00	7,247.03	324.82	270.51	107.42	-6,296.93	-14,226.58	1,827.50	1,453.07	374.43	4.881		
20,500.00	7,001.00	17,100.00	7,247.03	327.32	270.51	107.42	-6,296.93	-14,226.58	1,741.01	1,354.01	387.00	4.499		
20,600.00	7,001.00	17,100.00	7,247.03	329.83	270.51	107.42	-6,296.93	-14,226.58	1,656.04	1,255.46	400.58	4.134		
20,700.00	7,001.00	17,100.00	7,247.03	332.34	270.51	107.42	-6,296.93	-14,226.58	1,572.84	1,157.60	415.24	3.788		
20,800.00	7,001.00	17,100.00	7,247.03	334.85	270.51	107.42	-6,296.93	-14,226.58	1,491.70	1,060.67	431.04	3.461		
20,900.00	7,001.00	17,100.00	7,247.03	337.37	270.51	107.42	-6,296.93	-14,226.58	1,412.99	965.01	447.98	3.154		
21,000.00	7,001.00	17,100.00	7,247.03	339.89	270.51	107.42	-6,296.93	-14,226.58	1,337.12	871.08	466.04	2.869		
21,100.00	7,001.00	17,100.00	7,247.03	342.42	270.51	107.42	-6,296.93	-14,226.58	1,264.61	779.50	485.11	2.607		
21,200.00	7,001.00	17,100.00	7,247.03	344.95	270.51	107.42	-6,296.93	-14,226.58	1,196.07	691.11	504.97	2.369		
21,300.00	7,001.00	17,100.00	7,247.03	347.48	270.51	107.42	-6,296.93	-14,226.58	1,132.23	607.02	525.21	2.156		
21,400.00	7,001.00	17,100.00	7,247.03	350.02	270.51	107.42	-6,296.93	-14,226.58	1,073.92	528.67	545.24	1.970		
21,500.00	7,001.00	17,100.00	7,247.03	352.56	270.51	107.42	-6,296.93	-14,226.58	1,022.08	457.90	564.18	1.812		
21,600.00	7,001.00	17,100.00	7,247.03	355.10	270.51	107.42	-6,296.93	-14,226.58	977.76	396.87	580.89	1.683		
21,700.00	7,001.00	17,100.00	7,247.03	357.65	270.51	107.42	-6,296.93	-14,226.58	942.00	348.01	593.98	1.586		
21,800.00	7,001.00	17,100.00	7,247.03	360.20	270.51	107.42	-6,296.93	-14,226.58	915.81	313.77	602.05	1.521		
21,818.56	7,001.00	17,100.00	7,247.03	360.67	270.51	107.42	-6,296.93	-14,226.58	912.08	309.20	602.88	1.513 CC, ES, SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 5-T6N-R67W - VARRA 8 - Wellbore #1 - Wellbore #1													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,900.00	7,001.00	16,848.00	7,073.89	154.06	270.18	98.23	-6,495.33	-14,219.16	10,107.22	9,940.53	166.70	60.633		
12,000.00	7,001.00	16,848.00	7,073.89	155.15	270.18	98.23	-6,495.33	-14,219.16	10,007.44	9,840.48	166.97	59.937		
12,100.00	7,001.00	16,848.00	7,073.89	156.27	270.18	98.23	-6,495.33	-14,219.16	9,907.66	9,740.42	167.24	59.241		
12,200.00	7,001.00	16,848.00	7,073.89	157.43	270.18	98.23	-6,495.33	-14,219.16	9,807.89	9,640.36	167.53	58.545		
12,300.00	7,001.00	16,848.00	7,073.89	158.61	270.18	98.23	-6,495.33	-14,219.16	9,708.12	9,540.30	167.82	57.850		
12,400.00	7,001.00	16,848.00	7,073.89	159.82	270.18	98.23	-6,495.33	-14,219.16	9,608.36	9,440.24	168.11	57.154		
12,500.00	7,001.00	16,848.00	7,073.89	161.07	270.18	98.23	-6,495.33	-14,219.16	9,508.60	9,340.18	168.42	56.458		
12,600.00	7,001.00	16,848.00	7,073.89	162.34	270.18	98.23	-6,495.33	-14,219.16	9,408.84	9,240.11	168.73	55.763		
12,700.00	7,001.00	16,848.00	7,073.89	163.64	270.18	98.23	-6,495.33	-14,219.16	9,309.09	9,140.04	169.05	55.067		
12,800.00	7,001.00	16,848.00	7,073.89	164.98	270.18	98.23	-6,495.33	-14,219.16	9,209.35	9,039.97	169.38	54.372		
12,900.00	7,001.00	16,848.00	7,073.89	166.34	270.18	98.23	-6,495.33	-14,219.16	9,109.61	8,939.90	169.71	53.676		
13,000.00	7,001.00	16,848.00	7,073.89	167.74	270.18	98.23	-6,495.33	-14,219.16	9,009.88	8,839.82	170.06	52.981		
13,100.00	7,001.00	16,848.00	7,073.89	169.16	270.18	98.23	-6,495.33	-14,219.16	8,910.15	8,739.74	170.41	52.286		
13,200.00	7,001.00	16,848.00	7,073.89	170.61	270.18	98.23	-6,495.33	-14,219.16	8,810.43	8,639.66	170.77	51.592		
13,300.00	7,001.00	16,848.00	7,073.89	172.10	270.18	98.23	-6,495.33	-14,219.16	8,710.72	8,539.57	171.14	50.897		
13,400.00	7,001.00	16,848.00	7,073.89	173.61	270.18	98.23	-6,495.33	-14,219.16	8,611.01	8,439.49	171.53	50.202		
13,500.00	7,001.00	16,848.00	7,073.89	175.15	270.18	98.23	-6,495.33	-14,219.16	8,511.31	8,339.39	171.92	49.508		
13,600.00	7,001.00	16,848.00	7,073.89	176.72	270.18	98.23	-6,495.33	-14,219.16	8,411.62	8,239.30	172.32	48.814		
13,700.00	7,001.00	16,848.00	7,073.89	178.31	270.18	98.23	-6,495.33	-14,219.16	8,311.93	8,139.20	172.73	48.120		
13,800.00	7,001.00	16,848.00	7,073.89	179.94	270.18	98.23	-6,495.33	-14,219.16	8,212.26	8,039.10	173.16	47.426		
13,900.00	7,001.00	16,848.00	7,073.89	181.59	270.18	98.23	-6,495.33	-14,219.16	8,112.59	7,938.99	173.59	46.733		
14,000.00	7,001.00	16,848.00	7,073.89	183.26	270.18	98.23	-6,495.33	-14,219.16	8,012.92	7,838.88	174.04	46.040		
14,100.00	7,001.00	16,848.00	7,073.89	184.97	270.18	98.23	-6,495.33	-14,219.16	7,913.27	7,738.77	174.50	45.347		
14,200.00	7,001.00	16,848.00	7,073.89	186.70	270.18	98.23	-6,495.33	-14,219.16	7,813.63	7,638.65	174.98	44.655		
14,300.00	7,001.00	16,848.00	7,073.89	188.45	270.18	98.23	-6,495.33	-14,219.16	7,713.99	7,538.52	175.47	43.962		
14,400.00	7,001.00	16,848.00	7,073.89	190.23	270.18	98.23	-6,495.33	-14,219.16	7,614.37	7,438.39	175.97	43.271		
14,500.00	7,001.00	16,848.00	7,073.89	192.03	270.18	98.23	-6,495.33	-14,219.16	7,514.75	7,338.26	176.49	42.579		
14,600.00	7,001.00	16,848.00	7,073.89	193.86	270.18	98.23	-6,495.33	-14,219.16	7,415.14	7,238.12	177.02	41.888		
14,700.00	7,001.00	16,848.00	7,073.89	195.71	270.18	98.23	-6,495.33	-14,219.16	7,315.55	7,137.98	177.57	41.198		
14,800.00	7,001.00	16,848.00	7,073.89	197.58	270.18	98.23	-6,495.33	-14,219.16	7,215.97	7,037.83	178.14	40.507		
14,900.00	7,001.00	16,848.00	7,073.89	199.47	270.18	98.23	-6,495.33	-14,219.16	7,116.39	6,937.67	178.72	39.818		
15,000.00	7,001.00	16,848.00	7,073.89	201.39	270.18	98.23	-6,495.33	-14,219.16	7,016.84	6,837.51	179.33	39.129		
15,100.00	7,001.00	16,848.00	7,073.89	203.32	270.18	98.23	-6,495.33	-14,219.16	6,917.29	6,737.34	179.95	38.440		
15,200.00	7,001.00	16,848.00	7,073.89	205.28	270.18	98.23	-6,495.33	-14,219.16	6,817.76	6,637.16	180.59	37.752		
15,300.00	7,001.00	16,848.00	7,073.89	207.25	270.18	98.23	-6,495.33	-14,219.16	6,718.24	6,536.98	181.26	37.065		
15,400.00	7,001.00	16,848.00	7,073.89	209.25	270.18	98.23	-6,495.33	-14,219.16	6,618.73	6,436.79	181.94	36.378		
15,500.00	7,001.00	16,848.00	7,073.89	211.26	270.18	98.23	-6,495.33	-14,219.16	6,519.24	6,336.59	182.65	35.692		
15,600.00	7,001.00	16,848.00	7,073.89	213.30	270.18	98.23	-6,495.33	-14,219.16	6,419.77	6,236.38	183.39	35.007		
15,700.00	7,001.00	16,848.00	7,073.89	215.35	270.18	98.23	-6,495.33	-14,219.16	6,320.31	6,136.16	184.15	34.322		
15,800.00	7,001.00	16,848.00	7,073.89	217.42	270.18	98.23	-6,495.33	-14,219.16	6,220.87	6,035.93	184.93	33.638		
15,900.00	7,001.00	16,848.00	7,073.89	219.50	270.18	98.23	-6,495.33	-14,219.16	6,121.45	5,935.70	185.75	32.955		
16,000.00	7,001.00	16,848.00	7,073.89	221.60	270.18	98.23	-6,495.33	-14,219.16	6,022.04	5,835.45	186.59	32.274		
16,100.00	7,001.00	16,848.00	7,073.89	223.72	270.18	98.23	-6,495.33	-14,219.16	5,922.66	5,735.19	187.47	31.593		
16,200.00	7,001.00	16,848.00	7,073.89	225.85	270.18	98.23	-6,495.33	-14,219.16	5,823.30	5,634.92	188.38	30.913		
16,300.00	7,001.00	16,848.00	7,073.89	228.00	270.18	98.23	-6,495.33	-14,219.16	5,723.96	5,534.64	189.32	30.234		
16,400.00	7,001.00	16,848.00	7,073.89	230.16	270.18	98.23	-6,495.33	-14,219.16	5,624.64	5,434.34	190.30	29.557		
16,500.00	7,001.00	16,848.00	7,073.89	232.34	270.18	98.23	-6,495.33	-14,219.16	5,525.35	5,334.03	191.32	28.880		
16,600.00	7,001.00	16,848.00	7,073.89	234.53	270.18	98.23	-6,495.33	-14,219.16	5,426.09	5,233.71	192.38	28.205		
16,700.00	7,001.00	16,848.00	7,073.89	236.73	270.18	98.23	-6,495.33	-14,219.16	5,326.85	5,133.37	193.48	27.532		
16,800.00	7,001.00	16,848.00	7,073.89	238.95	270.18	98.23	-6,495.33	-14,219.16	5,227.64	5,033.01	194.63	26.860		
16,900.00	7,001.00	16,848.00	7,073.89	241.18	270.18	98.23	-6,495.33	-14,219.16	5,128.46	4,932.64	195.82	26.189		
17,000.00	7,001.00	16,848.00	7,073.89	243.42	270.18	98.23	-6,495.33	-14,219.16	5,029.32	4,832.25	197.07	25.521		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 5-T6N-R67W - VARRA 8 - Wellbore #1 - Wellbore #1		Offset Site Error:		0.00 usft
Survey Program: 1663-MWD OWSG													Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
17,100.00	7,001.00	16,848.00	7,073.89	245.67	270.18	98.23	-6,495.33	-14,219.16	4,930.21	4,731.84	198.37	24.854					
17,200.00	7,001.00	16,848.00	7,073.89	247.93	270.18	98.23	-6,495.33	-14,219.16	4,831.13	4,631.40	199.73	24.188					
17,300.00	7,001.00	16,848.00	7,073.89	250.21	270.18	98.23	-6,495.33	-14,219.16	4,732.10	4,530.95	201.15	23.525					
17,400.00	7,001.00	16,848.00	7,073.89	252.50	270.18	98.23	-6,495.33	-14,219.16	4,633.10	4,430.47	202.63	22.864					
17,500.00	7,001.00	16,848.00	7,073.89	254.79	270.18	98.23	-6,495.33	-14,219.16	4,534.15	4,329.97	204.19	22.206					
17,600.00	7,001.00	16,848.00	7,073.89	257.10	270.18	98.23	-6,495.33	-14,219.16	4,435.25	4,229.44	205.82	21.550					
17,700.00	7,001.00	16,848.00	7,073.89	259.42	270.18	98.23	-6,495.33	-14,219.16	4,336.40	4,128.88	207.52	20.896					
17,800.00	7,001.00	16,848.00	7,073.89	261.74	270.18	98.23	-6,495.33	-14,219.16	4,237.60	4,028.29	209.32	20.245					
17,900.00	7,001.00	16,848.00	7,073.89	264.08	270.18	98.23	-6,495.33	-14,219.16	4,138.86	3,927.66	211.20	19.597					
18,000.00	7,001.00	16,848.00	7,073.89	266.42	270.18	98.23	-6,495.33	-14,219.16	4,040.18	3,827.00	213.18	18.952					
18,100.00	7,001.00	16,848.00	7,073.89	268.78	270.18	98.23	-6,495.33	-14,219.16	3,941.57	3,726.30	215.27	18.310					
18,200.00	7,001.00	16,848.00	7,073.89	271.14	270.18	98.23	-6,495.33	-14,219.16	3,843.03	3,625.57	217.46	17.672					
18,300.00	7,001.00	16,848.00	7,073.89	273.51	270.18	98.23	-6,495.33	-14,219.16	3,744.57	3,524.78	219.78	17.037					
18,400.00	7,001.00	16,848.00	7,073.89	275.89	270.18	98.23	-6,495.33	-14,219.16	3,646.19	3,423.95	222.24	16.407					
18,500.00	7,001.00	16,848.00	7,073.89	278.27	270.18	98.23	-6,495.33	-14,219.16	3,547.90	3,323.07	224.83	15.781					
18,600.00	7,001.00	16,848.00	7,073.89	280.67	270.18	98.23	-6,495.33	-14,219.16	3,449.71	3,222.14	227.57	15.159					
18,700.00	7,001.00	16,848.00	7,073.89	283.07	270.18	98.23	-6,495.33	-14,219.16	3,351.63	3,121.14	230.49	14.542					
18,800.00	7,001.00	16,848.00	7,073.89	285.48	270.18	98.23	-6,495.33	-14,219.16	3,253.66	3,020.08	233.58	13.929					
18,900.00	7,001.00	16,848.00	7,073.89	287.89	270.18	98.23	-6,495.33	-14,219.16	3,155.82	2,918.95	236.87	13.323					
19,000.00	7,001.00	16,848.00	7,073.89	290.31	270.18	98.23	-6,495.33	-14,219.16	3,058.12	2,817.74	240.38	12.722					
19,100.00	7,001.00	16,848.00	7,073.89	292.74	270.18	98.23	-6,495.33	-14,219.16	2,960.58	2,716.45	244.12	12.127					
19,200.00	7,001.00	16,848.00	7,073.89	295.17	270.18	98.23	-6,495.33	-14,219.16	2,863.20	2,615.07	248.13	11.539					
19,300.00	7,001.00	16,848.00	7,073.89	297.61	270.18	98.23	-6,495.33	-14,219.16	2,766.01	2,513.60	252.41	10.958					
19,400.00	7,001.00	16,848.00	7,073.89	300.06	270.18	98.23	-6,495.33	-14,219.16	2,669.03	2,412.01	257.02	10.385					
19,500.00	7,001.00	16,848.00	7,073.89	302.51	270.18	98.23	-6,495.33	-14,219.16	2,572.28	2,310.32	261.96	9.819					
19,600.00	7,001.00	16,848.00	7,073.89	304.97	270.18	98.23	-6,495.33	-14,219.16	2,475.79	2,208.49	267.30	9.262					
19,700.00	7,001.00	16,848.00	7,073.89	307.43	270.18	98.23	-6,495.33	-14,219.16	2,379.59	2,106.53	273.06	8.715					
19,800.00	7,001.00	16,848.00	7,073.89	309.90	270.18	98.23	-6,495.33	-14,219.16	2,283.71	2,004.42	279.30	8.177					
19,900.00	7,001.00	16,848.00	7,073.89	312.38	270.18	98.23	-6,495.33	-14,219.16	2,188.20	1,902.14	286.06	7.649					
20,000.00	7,001.00	16,848.00	7,073.89	314.85	270.18	98.23	-6,495.33	-14,219.16	2,093.12	1,799.69	293.43	7.133					
20,100.00	7,001.00	16,848.00	7,073.89	317.34	270.18	98.23	-6,495.33	-14,219.16	1,998.51	1,697.05	301.46	6.629					
20,200.00	7,001.00	16,848.00	7,073.89	319.83	270.18	98.23	-6,495.33	-14,219.16	1,904.45	1,594.20	310.25	6.138					
20,300.00	7,001.00	16,848.00	7,073.89	322.32	270.18	98.23	-6,495.33	-14,219.16	1,811.04	1,491.14	319.89	5.661					
20,400.00	7,001.00	16,848.00	7,073.89	324.82	270.18	98.23	-6,495.33	-14,219.16	1,718.36	1,387.86	330.50	5.199					
20,500.00	7,001.00	16,848.00	7,073.89	327.32	270.18	98.23	-6,495.33	-14,219.16	1,626.55	1,284.35	342.19	4.753					
20,600.00	7,001.00	16,848.00	7,073.89	329.83	270.18	98.23	-6,495.33	-14,219.16	1,535.76	1,180.64	355.12	4.325					
20,700.00	7,001.00	16,848.00	7,073.89	332.34	270.18	98.23	-6,495.33	-14,219.16	1,446.19	1,076.74	369.45	3.914					
20,800.00	7,001.00	16,848.00	7,073.89	334.85	270.18	98.23	-6,495.33	-14,219.16	1,358.07	972.73	385.35	3.524					
20,900.00	7,001.00	16,848.00	7,073.89	337.37	270.18	98.23	-6,495.33	-14,219.16	1,271.72	868.71	403.01	3.156					
21,000.00	7,001.00	16,848.00	7,073.89	339.89	270.18	98.23	-6,495.33	-14,219.16	1,187.51	764.91	422.60	2.810					
21,100.00	7,001.00	16,848.00	7,073.89	342.42	270.18	98.23	-6,495.33	-14,219.16	1,105.93	661.66	444.27	2.489					
21,200.00	7,001.00	16,848.00	7,073.89	344.95	270.18	98.23	-6,495.33	-14,219.16	1,027.61	559.54	468.07	2.195					
21,300.00	7,001.00	16,848.00	7,073.89	347.48	270.18	98.23	-6,495.33	-14,219.16	953.35	459.47	493.88	1.930					
21,400.00	7,001.00	16,848.00	7,073.89	350.02	270.18	98.23	-6,495.33	-14,219.16	884.19	362.91	521.28	1.696					
21,500.00	7,001.00	16,848.00	7,073.89	352.56	270.18	98.23	-6,495.33	-14,219.16	821.40	272.08	549.31	1.495 Level 3					
21,600.00	7,001.00	16,848.00	7,073.89	355.10	270.18	98.23	-6,495.33	-14,219.16	766.55	190.26	576.29	1.330 Level 3					
21,700.00	7,001.00	16,848.00	7,073.89	357.65	270.18	98.23	-6,495.33	-14,219.16	721.45	121.87	599.58	1.203 Level 2					
21,800.00	7,001.00	16,848.00	7,073.89	360.20	270.18	98.23	-6,495.33	-14,219.16	688.04	72.24	615.80	1.117 Level 2					
21,818.56	7,001.00	16,848.00	7,073.89	360.67	270.18	98.23	-6,495.33	-14,219.16	683.27	65.53	617.74	1.106 Level 2, CC, ES, SF					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG, 6796-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,900.00	7,001.00	16,811.00	7,075.38	154.06	264.78	107.49	-6,845.26	-14,233.40	10,104.25	9,939.81	164.44	61.447		
12,000.00	7,001.00	16,811.00	7,075.38	155.15	264.78	107.49	-6,845.26	-14,233.40	10,004.30	9,839.77	164.53	60.804		
12,100.00	7,001.00	16,811.00	7,075.38	156.27	264.78	107.49	-6,845.26	-14,233.40	9,904.35	9,739.72	164.63	60.161		
12,200.00	7,001.00	16,811.00	7,075.38	157.43	264.78	107.49	-6,845.26	-14,233.40	9,804.41	9,639.68	164.73	59.518		
12,300.00	7,001.00	16,811.00	7,075.38	158.61	264.78	107.49	-6,845.26	-14,233.40	9,704.46	9,539.63	164.83	58.875		
12,400.00	7,001.00	16,811.00	7,075.38	159.82	264.78	107.49	-6,845.26	-14,233.40	9,604.52	9,439.58	164.93	58.232		
12,500.00	7,001.00	16,811.00	7,075.38	161.07	264.78	107.49	-6,845.26	-14,233.40	9,504.57	9,339.53	165.04	57.589		
12,600.00	7,001.00	16,811.00	7,075.38	162.34	264.78	107.49	-6,845.26	-14,233.40	9,404.63	9,239.48	165.15	56.946		
12,700.00	7,001.00	16,811.00	7,075.38	163.64	264.78	107.49	-6,845.26	-14,233.40	9,304.69	9,139.43	165.26	56.303		
12,800.00	7,001.00	16,811.00	7,075.38	164.98	264.78	107.49	-6,845.26	-14,233.40	9,204.75	9,039.37	165.37	55.660		
12,900.00	7,001.00	16,811.00	7,075.38	166.34	264.78	107.49	-6,845.26	-14,233.40	9,104.81	8,939.32	165.49	55.017		
13,000.00	7,001.00	16,811.00	7,075.38	167.74	264.78	107.49	-6,845.26	-14,233.40	9,004.87	8,839.26	165.61	54.373		
13,100.00	7,001.00	16,811.00	7,075.38	169.16	264.78	107.49	-6,845.26	-14,233.40	8,904.94	8,739.20	165.73	53.730		
13,200.00	7,001.00	16,811.00	7,075.38	170.61	264.78	107.49	-6,845.26	-14,233.40	8,805.00	8,639.14	165.86	53.087		
13,300.00	7,001.00	16,811.00	7,075.38	172.10	264.78	107.49	-6,845.26	-14,233.40	8,705.07	8,539.08	165.99	52.443		
13,400.00	7,001.00	16,811.00	7,075.38	173.61	264.78	107.49	-6,845.26	-14,233.40	8,605.14	8,439.02	166.12	51.800		
13,500.00	7,001.00	16,811.00	7,075.38	175.15	264.78	107.49	-6,845.26	-14,233.40	8,505.21	8,338.95	166.26	51.156		
13,600.00	7,001.00	16,811.00	7,075.38	176.72	264.78	107.49	-6,845.26	-14,233.40	8,405.28	8,238.88	166.40	50.513		
13,700.00	7,001.00	16,811.00	7,075.38	178.31	264.78	107.49	-6,845.26	-14,233.40	8,305.35	8,138.81	166.54	49.869		
13,800.00	7,001.00	16,811.00	7,075.38	179.94	264.78	107.49	-6,845.26	-14,233.40	8,205.43	8,038.74	166.69	49.226		
13,900.00	7,001.00	16,811.00	7,075.38	181.59	264.78	107.49	-6,845.26	-14,233.40	8,105.51	7,938.67	166.84	48.582		
14,000.00	7,001.00	16,811.00	7,075.38	183.26	264.78	107.49	-6,845.26	-14,233.40	8,005.59	7,838.59	167.00	47.939		
14,100.00	7,001.00	16,811.00	7,075.38	184.97	264.78	107.49	-6,845.26	-14,233.40	7,905.67	7,738.51	167.16	47.295		
14,200.00	7,001.00	16,811.00	7,075.38	186.70	264.78	107.49	-6,845.26	-14,233.40	7,805.75	7,638.43	167.32	46.651		
14,300.00	7,001.00	16,811.00	7,075.38	188.45	264.78	107.49	-6,845.26	-14,233.40	7,705.84	7,538.35	167.49	46.007		
14,400.00	7,001.00	16,811.00	7,075.38	190.23	264.78	107.49	-6,845.26	-14,233.40	7,605.92	7,438.26	167.67	45.364		
14,500.00	7,001.00	16,811.00	7,075.38	192.03	264.78	107.49	-6,845.26	-14,233.40	7,506.01	7,338.17	167.85	44.720		
14,600.00	7,001.00	16,811.00	7,075.38	193.86	264.78	107.49	-6,845.26	-14,233.40	7,406.11	7,238.08	168.03	44.076		
14,700.00	7,001.00	16,811.00	7,075.38	195.71	264.78	107.49	-6,845.26	-14,233.40	7,306.20	7,137.98	168.22	43.432		
14,800.00	7,001.00	16,811.00	7,075.38	197.58	264.78	107.49	-6,845.26	-14,233.40	7,206.30	7,037.88	168.42	42.788		
14,900.00	7,001.00	16,811.00	7,075.38	199.47	264.78	107.49	-6,845.26	-14,233.40	7,106.40	6,937.78	168.62	42.144		
15,000.00	7,001.00	16,811.00	7,075.38	201.39	264.78	107.49	-6,845.26	-14,233.40	7,006.50	6,837.67	168.83	41.500		
15,100.00	7,001.00	16,811.00	7,075.38	203.32	264.78	107.49	-6,845.26	-14,233.40	6,906.61	6,737.56	169.05	40.856		
15,200.00	7,001.00	16,811.00	7,075.38	205.28	264.78	107.49	-6,845.26	-14,233.40	6,806.72	6,637.45	169.27	40.212		
15,300.00	7,001.00	16,811.00	7,075.38	207.25	264.78	107.49	-6,845.26	-14,233.40	6,706.83	6,537.33	169.50	39.568		
15,400.00	7,001.00	16,811.00	7,075.38	209.25	264.78	107.49	-6,845.26	-14,233.40	6,606.95	6,437.21	169.74	38.924		
15,500.00	7,001.00	16,811.00	7,075.38	211.26	264.78	107.49	-6,845.26	-14,233.40	6,507.07	6,337.08	169.99	38.280		
15,600.00	7,001.00	16,811.00	7,075.38	213.30	264.78	107.49	-6,845.26	-14,233.40	6,407.19	6,236.95	170.24	37.635		
15,700.00	7,001.00	16,811.00	7,075.38	215.35	264.78	107.49	-6,845.26	-14,233.40	6,307.32	6,136.81	170.51	36.991		
15,800.00	7,001.00	16,811.00	7,075.38	217.42	264.78	107.49	-6,845.26	-14,233.40	6,207.45	6,036.67	170.78	36.347		
15,900.00	7,001.00	16,811.00	7,075.38	219.50	264.78	107.49	-6,845.26	-14,233.40	6,107.58	5,936.52	171.07	35.703		
16,000.00	7,001.00	16,811.00	7,075.38	221.60	264.78	107.49	-6,845.26	-14,233.40	6,007.73	5,836.36	171.36	35.058		
16,100.00	7,001.00	16,811.00	7,075.38	223.72	264.78	107.49	-6,845.26	-14,233.40	5,907.87	5,736.20	171.67	34.414		
16,200.00	7,001.00	16,811.00	7,075.38	225.85	264.78	107.49	-6,845.26	-14,233.40	5,808.02	5,636.03	171.99	33.769		
16,300.00	7,001.00	16,811.00	7,075.38	228.00	264.78	107.49	-6,845.26	-14,233.40	5,708.18	5,535.85	172.32	33.125		
16,400.00	7,001.00	16,811.00	7,075.38	230.16	264.78	107.49	-6,845.26	-14,233.40	5,608.34	5,435.67	172.67	32.481		
16,500.00	7,001.00	16,811.00	7,075.38	232.34	264.78	107.49	-6,845.26	-14,233.40	5,508.50	5,335.48	173.03	31.836		
16,600.00	7,001.00	16,811.00	7,075.38	234.53	264.78	107.49	-6,845.26	-14,233.40	5,408.67	5,235.27	173.40	31.192		
16,700.00	7,001.00	16,811.00	7,075.38	236.73	264.78	107.49	-6,845.26	-14,233.40	5,308.85	5,135.06	173.79	30.547		
16,800.00	7,001.00	16,811.00	7,075.38	238.95	264.78	107.49	-6,845.26	-14,233.40	5,209.04	5,034.84	174.20	29.902		
16,900.00	7,001.00	16,811.00	7,075.38	241.18	264.78	107.49	-6,845.26	-14,233.40	5,109.23	4,934.61	174.63	29.258		
17,000.00	7,001.00	16,811.00	7,075.38	243.42	264.78	107.49	-6,845.26	-14,233.40	5,009.43	4,834.36	175.07	28.613		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG, 6796-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,100.00	7,001.00	16,811.00	7,075.38	245.67	264.78	107.49	-6,845.26	-14,233.40	4,909.64	4,734.10	175.54	27.969		
17,200.00	7,001.00	16,811.00	7,075.38	247.93	264.78	107.49	-6,845.26	-14,233.40	4,809.86	4,633.83	176.03	27.324		
17,300.00	7,001.00	16,811.00	7,075.38	250.21	264.78	107.49	-6,845.26	-14,233.40	4,710.09	4,533.55	176.54	26.679		
17,400.00	7,001.00	16,811.00	7,075.38	252.50	264.78	107.49	-6,845.26	-14,233.40	4,610.33	4,433.24	177.08	26.035		
17,500.00	7,001.00	16,811.00	7,075.38	254.79	264.78	107.49	-6,845.26	-14,233.40	4,510.57	4,332.92	177.65	25.390		
17,600.00	7,001.00	16,811.00	7,075.38	257.10	264.78	107.49	-6,845.26	-14,233.40	4,410.83	4,232.59	178.24	24.746		
17,700.00	7,001.00	16,811.00	7,075.38	259.42	264.78	107.49	-6,845.26	-14,233.40	4,311.10	4,132.23	178.87	24.101		
17,800.00	7,001.00	16,811.00	7,075.38	261.74	264.78	107.49	-6,845.26	-14,233.40	4,211.39	4,031.85	179.54	23.457		
17,900.00	7,001.00	16,811.00	7,075.38	264.08	264.78	107.49	-6,845.26	-14,233.40	4,111.68	3,931.45	180.24	22.813		
18,000.00	7,001.00	16,811.00	7,075.38	266.42	264.78	107.49	-6,845.26	-14,233.40	4,012.00	3,831.02	180.98	22.169		
18,100.00	7,001.00	16,811.00	7,075.38	268.78	264.78	107.49	-6,845.26	-14,233.40	3,912.32	3,730.56	181.76	21.525		
18,200.00	7,001.00	16,811.00	7,075.38	271.14	264.78	107.49	-6,845.26	-14,233.40	3,812.67	3,630.08	182.59	20.881		
18,300.00	7,001.00	16,811.00	7,075.38	273.51	264.78	107.49	-6,845.26	-14,233.40	3,713.03	3,529.56	183.47	20.238		
18,400.00	7,001.00	16,811.00	7,075.38	275.89	264.78	107.49	-6,845.26	-14,233.40	3,613.42	3,429.00	184.41	19.594		
18,500.00	7,001.00	16,811.00	7,075.38	278.27	264.78	107.49	-6,845.26	-14,233.40	3,513.82	3,328.41	185.41	18.951		
18,600.00	7,001.00	16,811.00	7,075.38	280.67	264.78	107.49	-6,845.26	-14,233.40	3,414.25	3,227.77	186.48	18.309		
18,700.00	7,001.00	16,811.00	7,075.38	283.07	264.78	107.49	-6,845.26	-14,233.40	3,314.71	3,127.08	187.62	17.667		
18,800.00	7,001.00	16,811.00	7,075.38	285.48	264.78	107.49	-6,845.26	-14,233.40	3,215.19	3,026.34	188.85	17.025		
18,900.00	7,001.00	16,811.00	7,075.38	287.89	264.78	107.49	-6,845.26	-14,233.40	3,115.70	2,925.54	190.16	16.385		
19,000.00	7,001.00	16,811.00	7,075.38	290.31	264.78	107.49	-6,845.26	-14,233.40	3,016.25	2,824.68	191.58	15.744		
19,100.00	7,001.00	16,811.00	7,075.38	292.74	264.78	107.49	-6,845.26	-14,233.40	2,916.84	2,723.74	193.10	15.105		
19,200.00	7,001.00	16,811.00	7,075.38	295.17	264.78	107.49	-6,845.26	-14,233.40	2,817.47	2,622.72	194.75	14.467		
19,300.00	7,001.00	16,811.00	7,075.38	297.61	264.78	107.49	-6,845.26	-14,233.40	2,718.14	2,521.61	196.53	13.831		
19,400.00	7,001.00	16,811.00	7,075.38	300.06	264.78	107.49	-6,845.26	-14,233.40	2,618.86	2,420.39	198.47	13.195		
19,500.00	7,001.00	16,811.00	7,075.38	302.51	264.78	107.49	-6,845.26	-14,233.40	2,519.65	2,319.07	200.58	12.562		
19,600.00	7,001.00	16,811.00	7,075.38	304.97	264.78	107.49	-6,845.26	-14,233.40	2,420.49	2,217.61	202.89	11.930		
19,700.00	7,001.00	16,811.00	7,075.38	307.43	264.78	107.49	-6,845.26	-14,233.40	2,321.41	2,116.00	205.41	11.301		
19,800.00	7,001.00	16,811.00	7,075.38	309.90	264.78	107.49	-6,845.26	-14,233.40	2,222.41	2,014.22	208.19	10.675		
19,900.00	7,001.00	16,811.00	7,075.38	312.38	264.78	107.49	-6,845.26	-14,233.40	2,123.51	1,912.25	211.26	10.052		
20,000.00	7,001.00	16,811.00	7,075.38	314.85	264.78	107.49	-6,845.26	-14,233.40	2,024.71	1,810.05	214.66	9.432		
20,100.00	7,001.00	16,811.00	7,075.38	317.34	264.78	107.49	-6,845.26	-14,233.40	1,926.04	1,707.60	218.44	8.817		
20,200.00	7,001.00	16,811.00	7,075.38	319.83	264.78	107.49	-6,845.26	-14,233.40	1,827.51	1,604.85	222.66	8.208		
20,300.00	7,001.00	16,811.00	7,075.38	322.32	264.78	107.49	-6,845.26	-14,233.40	1,729.15	1,501.74	227.40	7.604		
20,400.00	7,001.00	16,811.00	7,075.38	324.82	264.78	107.49	-6,845.26	-14,233.40	1,630.99	1,398.23	232.76	7.007		
20,500.00	7,001.00	16,811.00	7,075.38	327.32	264.78	107.49	-6,845.26	-14,233.40	1,533.07	1,294.22	238.84	6.419		
20,600.00	7,001.00	16,811.00	7,075.38	329.83	264.78	107.49	-6,845.26	-14,233.40	1,435.43	1,189.63	245.80	5.840		
20,700.00	7,001.00	16,811.00	7,075.38	332.34	264.78	107.49	-6,845.26	-14,233.40	1,338.14	1,084.34	253.80	5.272		
20,800.00	7,001.00	16,811.00	7,075.38	334.85	264.78	107.49	-6,845.26	-14,233.40	1,241.29	978.19	263.09	4.718		
20,900.00	7,001.00	16,811.00	7,075.38	337.37	264.78	107.49	-6,845.26	-14,233.40	1,144.97	871.00	273.97	4.179		
21,000.00	7,001.00	16,811.00	7,075.38	339.89	264.78	107.49	-6,845.26	-14,233.40	1,049.35	762.52	286.82	3.659		
21,100.00	7,001.00	16,811.00	7,075.38	342.42	264.78	107.49	-6,845.26	-14,233.40	954.62	652.45	302.17	3.159		
21,200.00	7,001.00	16,811.00	7,075.38	344.95	264.78	107.49	-6,845.26	-14,233.40	861.08	540.37	320.71	2.685		
21,300.00	7,001.00	16,811.00	7,075.38	347.48	264.78	107.49	-6,845.26	-14,233.40	769.17	425.83	343.34	2.240		
21,400.00	7,001.00	16,811.00	7,075.38	350.02	264.78	107.49	-6,845.26	-14,233.40	679.55	308.29	371.26	1.830		
21,500.00	7,001.00	16,811.00	7,075.38	352.56	264.78	107.49	-6,845.26	-14,233.40	593.26	187.37	405.90	1.462	Level 3	
21,600.00	7,001.00	16,811.00	7,075.38	355.10	264.78	107.49	-6,845.26	-14,233.40	511.99	63.40	448.59	1.141	Level 2	
21,700.00	7,001.00	16,811.00	7,075.38	357.65	264.78	107.49	-6,845.26	-14,233.40	438.52	-60.79	499.30	0.878	Level 1	
21,800.00	7,001.00	16,811.00	7,075.38	360.20	264.78	107.49	-6,845.26	-14,233.40	377.44	-175.57	553.01	0.683	Level 1	
21,818.56	7,001.00	16,811.00	7,075.38	360.67	264.78	107.49	-6,845.26	-14,233.40	367.99	-194.25	562.24	0.655	Level 1, CC, ES, SF	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,900.00	7,001.00	15,770.00	6,953.66	166.34	242.60	85.64	-6,817.25	-15,224.41	10,095.71	9,934.04	161.67	62.446		
13,000.00	7,001.00	15,770.00	6,953.66	167.74	242.60	85.64	-6,817.25	-15,224.41	9,995.77	9,833.98	161.79	61.782		
13,100.00	7,001.00	15,770.00	6,953.66	169.16	242.60	85.64	-6,817.25	-15,224.41	9,895.82	9,733.91	161.92	61.117		
13,200.00	7,001.00	15,770.00	6,953.66	170.61	242.60	85.64	-6,817.25	-15,224.41	9,795.88	9,633.84	162.04	60.453		
13,300.00	7,001.00	15,770.00	6,953.66	172.10	242.60	85.64	-6,817.25	-15,224.41	9,695.94	9,533.77	162.17	59.789		
13,400.00	7,001.00	15,770.00	6,953.66	173.61	242.60	85.64	-6,817.25	-15,224.41	9,596.00	9,433.70	162.30	59.124		
13,500.00	7,001.00	15,770.00	6,953.66	175.15	242.60	85.64	-6,817.25	-15,224.41	9,496.06	9,333.62	162.44	58.460		
13,600.00	7,001.00	15,770.00	6,953.66	176.72	242.60	85.64	-6,817.25	-15,224.41	9,396.12	9,233.55	162.58	57.795		
13,700.00	7,001.00	15,770.00	6,953.66	178.31	242.60	85.64	-6,817.25	-15,224.41	9,296.19	9,133.47	162.72	57.131		
13,800.00	7,001.00	15,770.00	6,953.66	179.94	242.60	85.64	-6,817.25	-15,224.41	9,196.25	9,033.39	162.86	56.467		
13,900.00	7,001.00	15,770.00	6,953.66	181.59	242.60	85.64	-6,817.25	-15,224.41	9,096.32	8,933.31	163.01	55.802		
14,000.00	7,001.00	15,770.00	6,953.66	183.26	242.60	85.64	-6,817.25	-15,224.41	8,996.39	8,833.22	163.16	55.138		
14,100.00	7,001.00	15,770.00	6,953.66	184.97	242.60	85.64	-6,817.25	-15,224.41	8,896.45	8,733.14	163.32	54.473		
14,200.00	7,001.00	15,770.00	6,953.66	186.70	242.60	85.64	-6,817.25	-15,224.41	8,796.53	8,633.05	163.48	53.809		
14,300.00	7,001.00	15,770.00	6,953.66	188.45	242.60	85.64	-6,817.25	-15,224.41	8,696.60	8,532.96	163.64	53.144		
14,400.00	7,001.00	15,770.00	6,953.66	190.23	242.60	85.64	-6,817.25	-15,224.41	8,596.67	8,432.86	163.81	52.480		
14,500.00	7,001.00	15,770.00	6,953.66	192.03	242.60	85.64	-6,817.25	-15,224.41	8,496.75	8,332.77	163.98	51.816		
14,600.00	7,001.00	15,770.00	6,953.66	193.86	242.60	85.64	-6,817.25	-15,224.41	8,396.83	8,232.67	164.16	51.151		
14,700.00	7,001.00	15,770.00	6,953.66	195.71	242.60	85.64	-6,817.25	-15,224.41	8,296.91	8,132.57	164.34	50.487		
14,800.00	7,001.00	15,770.00	6,953.66	197.58	242.60	85.64	-6,817.25	-15,224.41	8,196.99	8,032.46	164.52	49.823		
14,900.00	7,001.00	15,770.00	6,953.66	199.47	242.60	85.64	-6,817.25	-15,224.41	8,097.07	7,932.36	164.71	49.158		
15,000.00	7,001.00	15,770.00	6,953.66	201.39	242.60	85.64	-6,817.25	-15,224.41	7,997.16	7,832.25	164.91	48.494		
15,100.00	7,001.00	15,770.00	6,953.66	203.32	242.60	85.64	-6,817.25	-15,224.41	7,897.24	7,732.13	165.11	47.829		
15,200.00	7,001.00	15,770.00	6,953.66	205.28	242.60	85.64	-6,817.25	-15,224.41	7,797.33	7,632.02	165.32	47.165		
15,300.00	7,001.00	15,770.00	6,953.66	207.25	242.60	85.64	-6,817.25	-15,224.41	7,697.43	7,531.89	165.53	46.501		
15,400.00	7,001.00	15,770.00	6,953.66	209.25	242.60	85.64	-6,817.25	-15,224.41	7,597.52	7,431.77	165.75	45.837		
15,500.00	7,001.00	15,770.00	6,953.66	211.26	242.60	85.64	-6,817.25	-15,224.41	7,497.62	7,331.64	165.98	45.172		
15,600.00	7,001.00	15,770.00	6,953.66	213.30	242.60	85.64	-6,817.25	-15,224.41	7,397.72	7,231.51	166.21	44.508		
15,700.00	7,001.00	15,770.00	6,953.66	215.35	242.60	85.64	-6,817.25	-15,224.41	7,297.82	7,131.37	166.45	43.844		
15,800.00	7,001.00	15,770.00	6,953.66	217.42	242.60	85.64	-6,817.25	-15,224.41	7,197.93	7,031.23	166.70	43.180		
15,900.00	7,001.00	15,770.00	6,953.66	219.50	242.60	85.64	-6,817.25	-15,224.41	7,098.04	6,931.09	166.95	42.516		
16,000.00	7,001.00	15,770.00	6,953.66	221.60	242.60	85.64	-6,817.25	-15,224.41	6,998.15	6,830.94	167.21	41.852		
16,100.00	7,001.00	15,770.00	6,953.66	223.72	242.60	85.64	-6,817.25	-15,224.41	6,898.26	6,730.78	167.48	41.188		
16,200.00	7,001.00	15,770.00	6,953.66	225.85	242.60	85.64	-6,817.25	-15,224.41	6,798.38	6,630.62	167.76	40.524		
16,300.00	7,001.00	15,770.00	6,953.66	228.00	242.60	85.64	-6,817.25	-15,224.41	6,698.50	6,530.45	168.05	39.860		
16,400.00	7,001.00	15,770.00	6,953.66	230.16	242.60	85.64	-6,817.25	-15,224.41	6,598.63	6,430.28	168.35	39.196		
16,500.00	7,001.00	15,770.00	6,953.66	232.34	242.60	85.64	-6,817.25	-15,224.41	6,498.76	6,330.10	168.66	38.532		
16,600.00	7,001.00	15,770.00	6,953.66	234.53	242.60	85.64	-6,817.25	-15,224.41	6,398.89	6,229.92	168.98	37.869		
16,700.00	7,001.00	15,770.00	6,953.66	236.73	242.60	85.64	-6,817.25	-15,224.41	6,299.03	6,129.73	169.31	37.205		
16,800.00	7,001.00	15,770.00	6,953.66	238.95	242.60	85.64	-6,817.25	-15,224.41	6,199.17	6,029.53	169.65	36.542		
16,900.00	7,001.00	15,770.00	6,953.66	241.18	242.60	85.64	-6,817.25	-15,224.41	6,099.32	5,929.32	170.00	35.878		
17,000.00	7,001.00	15,770.00	6,953.66	243.42	242.60	85.64	-6,817.25	-15,224.41	5,999.47	5,829.10	170.37	35.215		
17,100.00	7,001.00	15,770.00	6,953.66	245.67	242.60	85.64	-6,817.25	-15,224.41	5,899.63	5,728.88	170.75	34.551		
17,200.00	7,001.00	15,770.00	6,953.66	247.93	242.60	85.64	-6,817.25	-15,224.41	5,799.79	5,628.65	171.14	33.888		
17,300.00	7,001.00	15,770.00	6,953.66	250.21	242.60	85.64	-6,817.25	-15,224.41	5,699.96	5,528.40	171.56	33.225		
17,400.00	7,001.00	15,770.00	6,953.66	252.50	242.60	85.64	-6,817.25	-15,224.41	5,600.13	5,428.15	171.98	32.562		
17,500.00	7,001.00	15,770.00	6,953.66	254.79	242.60	85.64	-6,817.25	-15,224.41	5,500.31	5,327.89	172.43	31.899		
17,600.00	7,001.00	15,770.00	6,953.66	257.10	242.60	85.64	-6,817.25	-15,224.41	5,400.50	5,227.61	172.89	31.237		
17,700.00	7,001.00	15,770.00	6,953.66	259.42	242.60	85.64	-6,817.25	-15,224.41	5,300.69	5,127.32	173.37	30.574		
17,800.00	7,001.00	15,770.00	6,953.66	261.74	242.60	85.64	-6,817.25	-15,224.41	5,200.90	5,027.02	173.87	29.912		
17,900.00	7,001.00	15,770.00	6,953.66	264.08	242.60	85.64	-6,817.25	-15,224.41	5,101.11	4,926.71	174.40	29.250		
18,000.00	7,001.00	15,770.00	6,953.66	266.42	242.60	85.64	-6,817.25	-15,224.41	5,001.32	4,826.38	174.95	28.588		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
18,100.00	7,001.00	15,770.00	6,953.66	268.78	242.60	85.64	-6,817.25	-15,224.41	4,901.55	4,726.03	175.52	27.926		
18,200.00	7,001.00	15,770.00	6,953.66	271.14	242.60	85.64	-6,817.25	-15,224.41	4,801.79	4,625.67	176.12	27.265		
18,300.00	7,001.00	15,770.00	6,953.66	273.51	242.60	85.64	-6,817.25	-15,224.41	4,702.03	4,525.29	176.75	26.603		
18,400.00	7,001.00	15,770.00	6,953.66	275.89	242.60	85.64	-6,817.25	-15,224.41	4,602.29	4,424.89	177.40	25.943		
18,500.00	7,001.00	15,770.00	6,953.66	278.27	242.60	85.64	-6,817.25	-15,224.41	4,502.56	4,324.46	178.09	25.282		
18,600.00	7,001.00	15,770.00	6,953.66	280.67	242.60	85.64	-6,817.25	-15,224.41	4,402.84	4,224.02	178.82	24.622		
18,700.00	7,001.00	15,770.00	6,953.66	283.07	242.60	85.64	-6,817.25	-15,224.41	4,303.13	4,123.55	179.58	23.962		
18,800.00	7,001.00	15,770.00	6,953.66	285.48	242.60	85.64	-6,817.25	-15,224.41	4,203.44	4,023.05	180.39	23.302		
18,900.00	7,001.00	15,770.00	6,953.66	287.89	242.60	85.64	-6,817.25	-15,224.41	4,103.76	3,922.53	181.23	22.643		
19,000.00	7,001.00	15,770.00	6,953.66	290.31	242.60	85.64	-6,817.25	-15,224.41	4,004.10	3,821.97	182.13	21.985		
19,100.00	7,001.00	15,770.00	6,953.66	292.74	242.60	85.64	-6,817.25	-15,224.41	3,904.45	3,721.38	183.07	21.327		
19,200.00	7,001.00	15,770.00	6,953.66	295.17	242.60	85.64	-6,817.25	-15,224.41	3,804.83	3,620.75	184.07	20.670		
19,300.00	7,001.00	15,770.00	6,953.66	297.61	242.60	85.64	-6,817.25	-15,224.41	3,705.22	3,520.09	185.14	20.014		
19,400.00	7,001.00	15,770.00	6,953.66	300.06	242.60	85.64	-6,817.25	-15,224.41	3,605.64	3,419.38	186.26	19.358		
19,500.00	7,001.00	15,770.00	6,953.66	302.51	242.60	85.64	-6,817.25	-15,224.41	3,506.08	3,318.62	187.46	18.703		
19,600.00	7,001.00	15,770.00	6,953.66	304.97	242.60	85.64	-6,817.25	-15,224.41	3,406.54	3,217.81	188.73	18.049		
19,700.00	7,001.00	15,770.00	6,953.66	307.43	242.60	85.64	-6,817.25	-15,224.41	3,307.04	3,116.94	190.09	17.397		
19,800.00	7,001.00	15,770.00	6,953.66	309.90	242.60	85.64	-6,817.25	-15,224.41	3,207.56	3,016.02	191.55	16.745		
19,900.00	7,001.00	15,770.00	6,953.66	312.38	242.60	85.64	-6,817.25	-15,224.41	3,108.12	2,915.02	193.10	16.096		
20,000.00	7,001.00	15,770.00	6,953.66	314.85	242.60	85.64	-6,817.25	-15,224.41	3,008.72	2,813.94	194.78	15.447		
20,100.00	7,001.00	15,770.00	6,953.66	317.34	242.60	85.64	-6,817.25	-15,224.41	2,909.35	2,712.78	196.57	14.800		
20,200.00	7,001.00	15,770.00	6,953.66	319.83	242.60	85.64	-6,817.25	-15,224.41	2,810.03	2,611.53	198.51	14.156		
20,300.00	7,001.00	15,770.00	6,953.66	322.32	242.60	85.64	-6,817.25	-15,224.41	2,710.77	2,510.17	200.60	13.513		
20,400.00	7,001.00	15,770.00	6,953.66	324.82	242.60	85.64	-6,817.25	-15,224.41	2,611.55	2,408.69	202.86	12.873		
20,500.00	7,001.00	15,770.00	6,953.66	327.32	242.60	85.64	-6,817.25	-15,224.41	2,512.40	2,307.08	205.32	12.236		
20,600.00	7,001.00	15,770.00	6,953.66	329.83	242.60	85.64	-6,817.25	-15,224.41	2,413.32	2,205.32	208.00	11.602		
20,700.00	7,001.00	15,770.00	6,953.66	332.34	242.60	85.64	-6,817.25	-15,224.41	2,314.32	2,103.39	210.93	10.972		
20,800.00	7,001.00	15,770.00	6,953.66	334.85	242.60	85.64	-6,817.25	-15,224.41	2,215.41	2,001.27	214.14	10.346		
20,900.00	7,001.00	15,770.00	6,953.66	337.37	242.60	85.64	-6,817.25	-15,224.41	2,116.60	1,898.93	217.66	9.724		
21,000.00	7,001.00	15,770.00	6,953.66	339.89	242.60	85.64	-6,817.25	-15,224.41	2,017.91	1,796.35	221.56	9.108		
21,100.00	7,001.00	15,770.00	6,953.66	342.42	242.60	85.64	-6,817.25	-15,224.41	1,919.35	1,693.47	225.88	8.497		
21,200.00	7,001.00	15,770.00	6,953.66	344.95	242.60	85.64	-6,817.25	-15,224.41	1,820.95	1,590.26	230.69	7.893		
21,300.00	7,001.00	15,770.00	6,953.66	347.48	242.60	85.64	-6,817.25	-15,224.41	1,722.74	1,486.65	236.08	7.297		
21,400.00	7,001.00	15,770.00	6,953.66	350.02	242.60	85.64	-6,817.25	-15,224.41	1,624.74	1,382.59	242.15	6.710		
21,500.00	7,001.00	15,770.00	6,953.66	352.56	242.60	85.64	-6,817.25	-15,224.41	1,527.00	1,277.99	249.01	6.132		
21,600.00	7,001.00	15,770.00	6,953.66	355.10	242.60	85.64	-6,817.25	-15,224.41	1,429.58	1,172.74	256.83	5.566		
21,700.00	7,001.00	15,770.00	6,953.66	357.65	242.60	85.64	-6,817.25	-15,224.41	1,332.53	1,066.73	265.81	5.013		
21,800.00	7,001.00	15,770.00	6,953.66	360.20	242.60	85.64	-6,817.25	-15,224.41	1,235.96	959.77	276.19	4.475		
21,818.56	7,001.00	15,770.00	6,953.66	360.67	242.60	85.64	-6,817.25	-15,224.41	1,218.10	939.81	278.30	4.377	CC, ES, SF	

Civitas Resources

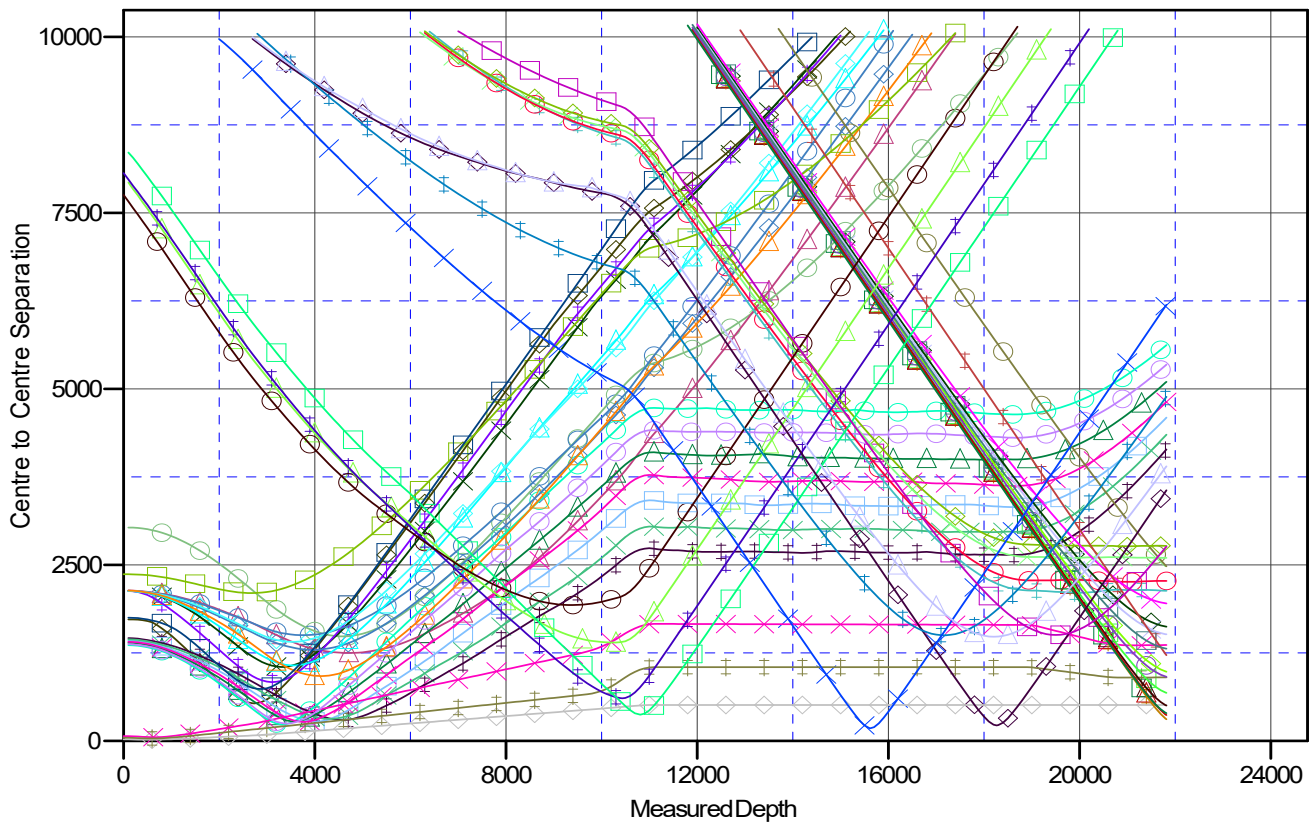
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KBE 25' @ 4921.00usft
Offset Depths are relative to Offset Datum
Central Meridian is 105.500000°W

Coordinates are relative to: MAVERICK 2W-20-04
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.43°

Ladder Plot



LEGEND

ABND VERT LIND 36-33, Wellbore #1, Design #1 V0	ICE MAN 2W45-4N, ORIGINAL WELBORE, WB #1 - PATT 93 V0	VARRA 4, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDR 16-36, Wellbore #1, Wellbore #1 V0	EXIST HZ BALDRIDGE 2-1, Wellbore #1, Wellbore #1 V0	VARRA 11, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDR 33-36, Wellbore #1, Wellbore #1 V0	ABND VERT LIND 36-32, Wellbore #1, Design #1 V0	VARRA 9, STK1 STK1 V0
EXIST HZ BALDRIDGE 7-1, Wellbore #1, Wellbore #1 V0	ICE MAN 2W45-2N, ORIGINAL WELBORE, WB #1 - PATT 93 V0	VARRA 9, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDR 20-36, Wellbore #1, Wellbore #1 V0	MAVERICK 2W20-02, OWB, PROPOSAL 1 V0	VARRA 12, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 17-1, Wellbore #1, Wellbore #1 V0	EXIST HZ SCHNBDR 34-36, Wellbore #1, Wellbore #1 V0	VARRA 7, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-7N, ORIGINAL WELBORE, WB #1 - PATT 93 V0	MICKEY 13, ORIGINAL WELBORE, WB #1 - Patterson 346 V0	VARRA 5, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-6C, ORIGINAL WELBORE, WB #1 - PATT 93 V0	VARRA 8, Wellbore #1, Wellbore #1 V0	SIMONSEN 1L421, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 8-1, Wellbore #1, Wellbore #1 V0	VARRA 3, Wellbore #1, Wellbore #1 V0	SIMONSEN 1L241, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDR 37-36, Wellbore #1, Wellbore #1 V0	VARRA 3, STK1 STK1 V0	SIMONSEN 1L241, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-1C, ORIGINAL WELBORE, WB #1 - PATT 93 V0	MICKEY 11, ORIGINAL WELBORE, WB #1 - Patterson 36 V0	SIMONSEN 1Q241, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 1-1, Wellbore #1, Wellbore #1 V0	VARRA 10, Wellbore #1, Wellbore #1 V0	EXIST HZ BOWER 15-3, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-6N, ORIGINAL WELBORE, WB #1 - PATT 93 V0	MICKEY 12, ORIGINAL WELBORE, WB #1 - Patterson 346 V0	ABND VERT MOSER 1-2, Wellbore #1, Design #1 V0
MAVERICK 2W20-03, OWB, PROPOSAL 1 V0	VARRA 6, Wellbore #1, Wellbore #1 V0	ABND VERT MOSER 1-2, Wellbore #1, Design #1 V0
ICE MAN 2W45-3N, ORIGINAL WELBORE, WB #1 - PATT 93 V0	MICKEY 10, ORIGINAL WELBORE, WB #1 - Patterson 36 V0	EXIST HZ BOWER 10-3, Wellbore #1, Wellbore #1 V0
MAVERICK 2W20-01, OWB, PROPOSAL 1 V0	VARRA 2, Wellbore #1, Wellbore #1 V0	ABND VERT OCHSNER 1-3, Wellbore #1, Design #1 V0

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Civitas Resources

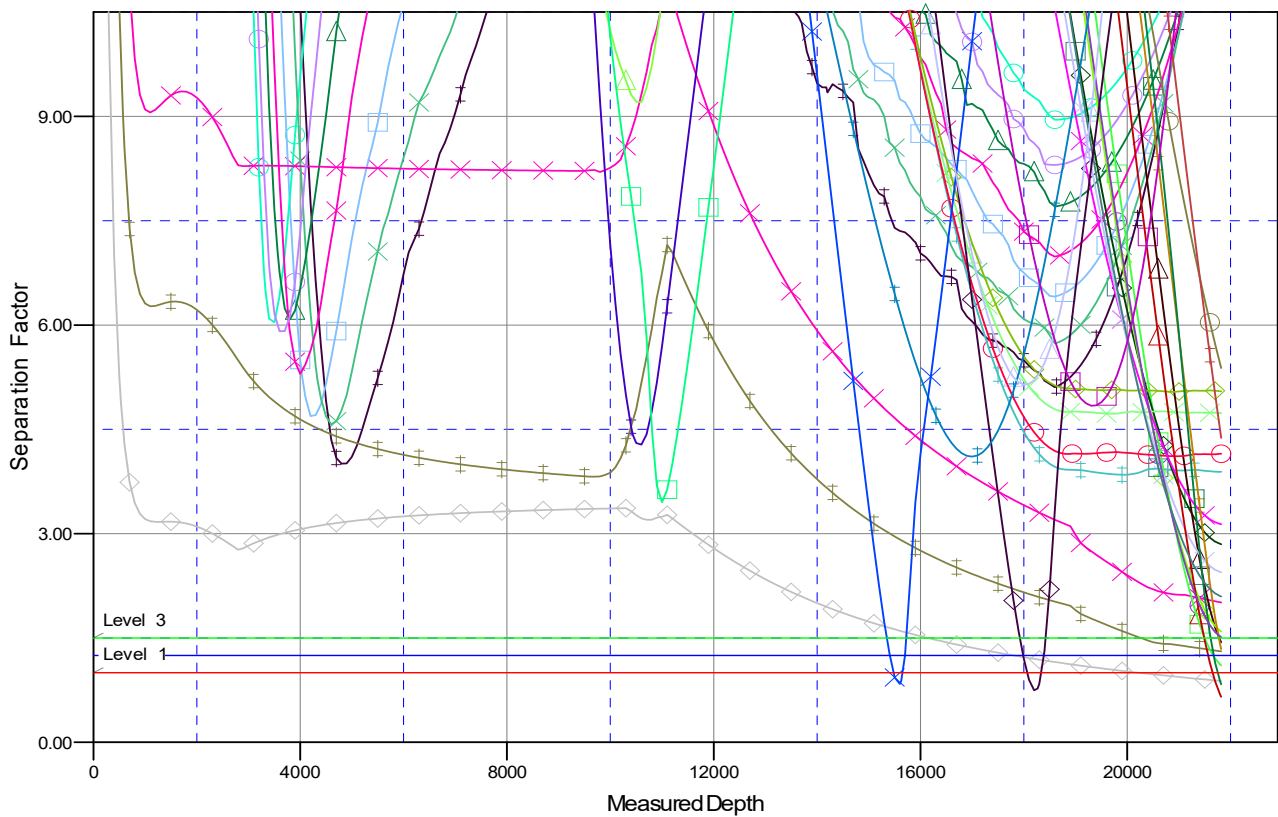
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-04
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4921.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4921.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-04	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KBE 25' @ 4921.00usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 105.500000°W

Coordinates are relative to: MAVERICK 2W-20-04
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.43°

Separation Factor Plot



LEGEND

- ABND VERT LIND 36-33, Wellbore #1, Design #1 V0
- EXIST HZ SCHNBDR 16-36, Wellbore #1, Wellbore #1 V0
- EXIST HZ SCHNBDR 33-36, Wellbore #1, Wellbore #1 V0
- EXIST HZ BALDRIDGE 7-1, Wellbore #1, Wellbore #1 V0
- EXIST HZ SCHNBDR 20-36, Wellbore #1, Wellbore #1 V0
- EXIST HZ BALDRIDGE 17-1, Wellbore #1, Wellbore #1 V0
- ICE MAN 2W45-7N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0
- ICE MAN 2W45-6C, ORIGINAL WELLBORE, WB #1 - PATT 93 V0
- EXIST HZ BALDRIDGE 8-1, Wellbore #1, Wellbore #1 V0
- EXIST HZ SCHNBDR 37-36, Wellbore #1, Wellbore #1 V0
- ICE MAN 2W45-1C, ORIGINAL WELLBORE, WB #1 - PATT 93 V0
- ICE MAN 2W45-10, ORIGINAL WELLBORE, WB #1 - PATT 93 V0
- MAVERICK 2W20-03, OWB, PROPOSAL 1 V0
- ICE MAN 2W45-3N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0
- MAVERICK 2W20-01, OWB, PROPOSAL 1 V0
- ICE MAN 2W45-4N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0
- EXIST HZ BALDRIDGE 2-1, Wellbore #1, Wellbore #1 V0
- ABND VERT LIND 36-32, Wellbore #1, Design #1 V0
- ICE MAN 2W45-2N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0
- MAVERICK 2W20-02, OWB, PROPOSAL 1 V0
- EXIST HZ SCHNBDR 34-36, Wellbore #1, Wellbore #1 V0
- MICKEY 13, ORIGINAL WELLBORE, WB #1 - Patterson 36 V0
- VARRA 8, Wellbore #1, Wellbore #1 V0
- VARRA 3, Wellbore #1, Wellbore #1 V0
- MICKEY 11, ORIGINAL WELLBORE, WB #1 - Patterson 36 V0
- VARRA 10, Wellbore #1, Wellbore #1 V0
- MICKEY 12, ORIGINAL WELLBORE, WB #1 - Patterson 36 V0
- VARRA 6, Wellbore #1, Wellbore #1 V0
- MICKEY 10, ORIGINAL WELLBORE, WB #1 - Patterson 36 V0
- VARRA 2, Wellbore #1, Wellbore #1 V0
- VARRA 4, Wellbore #1, Wellbore #1 V0
- VARRA 11, Wellbore #1, Wellbore #1 V0
- VARRA 9, STK1STK1 V0
- VARRA 9, Wellbore #1, Wellbore #1 V0
- VARRA 12, Wellbore #1, Wellbore #1 V0
- VARRA 7, Wellbore #1, Wellbore #1 V0
- VARRA 5, Wellbore #1, Wellbore #1 V0
- SIMONSEN 1L421, Wellbore #1, Wellbore #1 V0
- SIMONSEN 1L241, Wellbore #1, Wellbore #1 V0
- SIMONSEN 1L421, Wellbore #1, Wellbore #1 V0
- SIMONSEN 1Q241, Wellbore #1, Wellbore #1 V0
- EXIST HZ BOWER 15-3, Wellbore #1, Wellbore #1 V0
- ABND VERT BOWER 1-3, Wellbore #1, Design #1 V0
- ABND VERT MOSER 1-2, Wellbore #1, Design #1 V0
- EXIST HZ BOWER 10-3, Wellbore #1, Wellbore #1 V0
- ABND VERT OCHSNER 1-3, Wellbore #1, Design #1 V0