

EXTRACTION OIL & GAS

WELD COUNTY

Sec 36-T7N-R67W

MAVERICK 2W-20-02

OWB

PROPOSAL 1

Anticollision Report

17 December, 2024

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	21,121.77	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
Sec 12-T6N-R67W						
SIMONSEN 11-421 - Wellbore #1 - Wellbore #1	10,136.35	9,121.34	356.15	274.55	4.365	CC
SIMONSEN 11-421 - Wellbore #1 - Wellbore #1	10,200.00	9,107.10	363.85	266.82	3.750	ES
SIMONSEN 11-421 - Wellbore #1 - Wellbore #1	10,300.00	9,093.00	405.04	286.30	3.411	SF
SIMONSEN 1L-241 - Wellbore #1 - Wellbore #1	9,752.33	9,149.20	609.32	476.19	4.577	CC
SIMONSEN 1L-241 - Wellbore #1 - Wellbore #1	9,800.00	9,116.62	612.11	474.70	4.455	ES
SIMONSEN 1L-241 - Wellbore #1 - Wellbore #1	9,900.00	9,063.26	636.48	491.86	4.401	SF
SIMONSEN 1L-421 - Wellbore #1 - Wellbore #1	9,493.90	9,171.00	1,378.73	1,239.57	9.908	CC
SIMONSEN 1L-421 - Wellbore #1 - Wellbore #1	9,600.00	9,107.00	1,381.22	1,238.94	9.708	ES
SIMONSEN 1L-421 - Wellbore #1 - Wellbore #1	9,800.00	8,991.03	1,409.20	1,262.01	9.574	SF
SIMONSEN 1Q-241 - Wellbore #1 - Wellbore #1	8,787.74	9,541.00	1,926.80	1,790.55	14.142	CC
SIMONSEN 1Q-241 - Wellbore #1 - Wellbore #1	8,900.00	9,434.05	1,927.37	1,788.37	13.866	ES
SIMONSEN 1Q-241 - Wellbore #1 - Wellbore #1	9,600.00	8,927.79	2,001.76	1,850.69	13.250	SF
Sec 36-T7N-R67W						
ABND VERT LIND 36-32 - Wellbore #1 - Design #1	2,994.63	2,626.95	2,004.46	1,972.14	62.023	CC
ABND VERT LIND 36-32 - Wellbore #1 - Design #1	3,000.00	2,630.27	2,004.46	1,972.06	61.856	ES
ABND VERT LIND 36-32 - Wellbore #1 - Design #1	4,500.00	3,556.90	2,327.91	2,275.95	44.798	SF
ABND VERT LIND 36-33 - Wellbore #1 - Design #1	4,921.23	3,791.12	1,305.19	1,240.98	20.328	CC, ES
ABND VERT LIND 36-33 - Wellbore #1 - Design #1	5,300.00	4,025.11	1,338.74	1,269.45	19.320	SF
EXIST HZ BALDRIDGE 1-1 - Wellbore #1 - Wellbore #1	3,518.09	2,450.41	1,600.34	1,562.79	42.615	CC, ES
EXIST HZ BALDRIDGE 1-1 - Wellbore #1 - Wellbore #1	5,100.00	3,468.65	2,040.68	1,977.58	32.341	SF
EXIST HZ BALDRIDGE 17-1 - Wellbore #1 - Wellbore #1	3,946.59	2,751.42	1,512.75	1,468.14	33.913	CC
EXIST HZ BALDRIDGE 17-1 - Wellbore #1 - Wellbore #1	4,000.00	2,782.15	1,513.29	1,467.61	33.132	ES
EXIST HZ BALDRIDGE 17-1 - Wellbore #1 - Wellbore #1	5,500.00	3,949.24	1,825.09	1,748.64	23.871	SF
EXIST HZ BALDRIDGE 2-1 - Wellbore #1 - Wellbore #1	4,282.96	3,264.57	1,115.01	1,061.22	20.728	CC
EXIST HZ BALDRIDGE 2-1 - Wellbore #1 - Wellbore #1	4,300.00	3,276.91	1,115.07	1,060.91	20.591	ES
EXIST HZ BALDRIDGE 2-1 - Wellbore #1 - Wellbore #1	4,900.00	3,729.46	1,191.20	1,126.45	18.397	SF
EXIST HZ BALDRIDGE 7-1 - Wellbore #1 - Wellbore #1	4,742.40	3,401.90	1,513.86	1,450.81	24.009	CC
EXIST HZ BALDRIDGE 7-1 - Wellbore #1 - Wellbore #1	4,900.00	3,524.00	1,516.53	1,449.47	22.613	ES
EXIST HZ BALDRIDGE 7-1 - Wellbore #1 - Wellbore #1	7,000.00	5,363.11	1,926.57	1,811.01	16.672	SF
EXIST HZ BALDRIDGE 8-1 - Wellbore #1 - Wellbore #1	3,680.05	2,388.68	1,719.94	1,681.78	45.070	CC
EXIST HZ BALDRIDGE 8-1 - Wellbore #1 - Wellbore #1	3,800.00	2,482.84	1,721.66	1,680.97	42.312	ES
EXIST HZ BALDRIDGE 8-1 - Wellbore #1 - Wellbore #1	5,800.00	3,953.01	2,236.86	2,155.27	27.415	SF
EXIST HZ SCHNEIDER 16-36 - Wellbore #1 - Wellbore #	3,343.95	2,576.79	1,215.12	1,177.70	32.474	CC, ES
EXIST HZ SCHNEIDER 16-36 - Wellbore #1 - Wellbore #	3,800.00	2,748.83	1,286.44	1,243.43	29.916	SF
EXIST HZ SCHNEIDER 20-36 - Wellbore #1 - Wellbore #	3,176.10	2,717.64	957.95	918.83	24.485	CC
EXIST HZ SCHNEIDER 20-36 - Wellbore #1 - Wellbore #	3,200.00	2,725.77	958.21	918.72	24.264	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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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 #	3,400.00	2,788.03	980.76	938.87	23.414	SF
EXIST HZ SCHNEIDER 33-36 - Wellbore #1 - Wellbore #	2,833.98	2,666.20	606.87	572.98	17.908	CC, ES
EXIST HZ SCHNEIDER 33-36 - Wellbore #1 - Wellbore #	3,000.00	2,734.38	625.79	590.08	17.524	SF
EXIST HZ SCHNEIDER 34-36 - Wellbore #1 - Wellbore #	2,914.00	2,507.87	858.61	826.05	26.366	CC, ES
EXIST HZ SCHNEIDER 34-36 - Wellbore #1 - Wellbore #	3,100.00	2,553.55	877.15	842.44	25.273	SF
EXIST HZ SCHNEIDER 37-36 - Wellbore #1 - Wellbore #	3,611.57	2,768.39	1,240.25	1,199.00	30.065	CC, ES
EXIST HZ SCHNEIDER 37-36 - Wellbore #1 - Wellbore #	4,200.00	3,134.96	1,325.63	1,275.56	26.478	SF
ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 -	3,675.49	3,060.18	237.72	198.14	6.005	CC
ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 -	3,700.00	3,078.39	238.22	197.45	5.842	ES
ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 -	3,800.00	3,162.80	249.11	203.30	5.438	SF
ICE MAN 2W-15-2N - ORIGINAL WELLBORE - WB #1 -	3,878.96	3,229.15	250.44	206.34	5.680	CC
ICE MAN 2W-15-2N - ORIGINAL WELLBORE - WB #1 -	3,900.00	3,244.18	250.79	205.64	5.554	ES
ICE MAN 2W-15-2N - ORIGINAL WELLBORE - WB #1 -	4,000.00	3,317.46	262.05	212.18	5.254	SF
ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 -	4,029.82	3,340.49	289.25	242.25	6.154	CC
ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 -	4,100.00	3,405.95	290.92	239.90	5.703	ES
ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 -	4,300.00	3,586.46	313.48	252.73	5.160	SF
ICE MAN 2W-15-4N - ORIGINAL WELLBORE - WB #1 -	4,312.57	3,575.00	282.23	229.19	5.321	CC
ICE MAN 2W-15-4N - ORIGINAL WELLBORE - WB #1 -	4,400.00	3,643.60	286.23	228.53	4.960	ES
ICE MAN 2W-15-4N - ORIGINAL WELLBORE - WB #1 -	4,600.00	3,838.99	313.47	244.89	4.571	SF
ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 -	4,621.36	3,845.22	268.85	206.87	4.337	CC
ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 -	4,700.00	3,912.98	271.41	204.48	4.055	ES
ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 -	4,800.00	3,996.57	282.16	209.95	3.908	SF
ICE MAN 2W-15-6N - ORIGINAL WELLBORE - WB #1 -	4,988.92	4,158.16	298.97	229.17	4.283	CC
ICE MAN 2W-15-6N - ORIGINAL WELLBORE - WB #1 -	5,000.00	4,166.62	299.04	228.53	4.241	ES
ICE MAN 2W-15-6N - ORIGINAL WELLBORE - WB #1 -	17,900.00	15,804.20	1,923.70	1,404.79	3.707	SF
ICE MAN 2W-15-7N - ORIGINAL WELLBORE - WB #1 -	5,332.02	4,458.33	284.40	207.60	3.703	CC
ICE MAN 2W-15-7N - ORIGINAL WELLBORE - WB #1 -	5,600.00	4,722.00	292.48	198.14	3.100	ES
ICE MAN 2W-15-7N - ORIGINAL WELLBORE - WB #1 -	5,700.00	4,812.79	301.46	202.12	3.035	SF
MAVERICK 2W-20-01 - OWB - PROPOSAL 1	715.50	714.38	17.71	12.81	3.615	CC
MAVERICK 2W-20-01 - OWB - PROPOSAL 1	21,121.77	20,967.98	529.46	-52.95	0.909	Level 1, ES, SF
MAVERICK 2W-20-03 - OWB - PROPOSAL 1	605.28	606.34	17.79	13.64	4.294	CC
MAVERICK 2W-20-03 - OWB - PROPOSAL 1	21,121.77	21,746.26	596.28	6.74	1.011	Level 2, ES, SF
MAVERICK 2W-20-04 - OWB - PROPOSAL 1	568.52	569.66	35.72	31.77	9.040	CC
MAVERICK 2W-20-04 - OWB - PROPOSAL 1	600.00	601.07	35.80	31.60	8.525	ES
MAVERICK 2W-20-04 - OWB - PROPOSAL 1	21,121.77	21,818.56	903.18	209.75	1.302	Level 3, SF
Sec 3-T6N-R67W						
ABND VERT BOWER 1-3 - Wellbore #1 - Design #1	16,400.00	7,032.00	456.12	86.54	1.234	Level 2, ES, SF
ABND VERT BOWER 1-3 - Wellbore #1 - Design #1	16,449.80	7,032.00	453.39	91.31	1.252	Level 3, CC
ABND VERT MOSIER 1-2 - Wellbore #1 - Design #1	14,910.90	6,973.00	867.48	662.20	4.226	CC
ABND VERT MOSIER 1-2 - Wellbore #1 - Design #1	15,000.00	6,973.00	872.04	655.79	4.032	ES
ABND VERT MOSIER 1-2 - Wellbore #1 - Design #1	15,200.00	6,973.00	914.38	680.72	3.913	SF
ABND VERT OCHSNER 1-3 - Wellbore #1 - Design #1	18,700.00	7,010.00	500.19	182.20	1.573	ES, SF
ABND VERT OCHSNER 1-3 - Wellbore #1 - Design #1	18,746.42	7,010.00	498.03	183.96	1.586	CC
EXIST HZ BOWER 10-3 - Wellbore #1 - Wellbore #1	17,400.00	7,219.69	443.26	147.39	1.498	Level 3, ES, SF
EXIST HZ BOWER 10-3 - Wellbore #1 - Wellbore #1	17,494.94	7,219.95	432.97	148.60	1.523	CC
EXIST HZ BOWER 15-3 - Wellbore #1 - Wellbore #1	17,549.50	7,392.51	825.41	537.90	2.871	CC
EXIST HZ BOWER 15-3 - Wellbore #1 - Wellbore #1	17,600.00	7,393.40	826.96	532.11	2.805	ES
EXIST HZ BOWER 15-3 - Wellbore #1 - Wellbore #1	17,700.00	7,395.14	839.02	532.56	2.738	SF

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

Civitas Resources

Anticollision Report

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Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	18,273.53	17,380.47	1,751.03	1,205.10	3.207	CC, ES, SF
MICKEY 11 - ORIGINAL WELLBORE - WB # 1 - Patters	18,100.00	17,312.00	1,571.11	1,018.55	2.843	SF
MICKEY 11 - ORIGINAL WELLBORE - WB # 1 - Patters	18,200.00	17,312.00	1,566.80	1,016.02	2.845	ES
MICKEY 11 - ORIGINAL WELLBORE - WB # 1 - Patters	18,207.36	17,312.00	1,566.77	1,016.21	2.846	CC
MICKEY 12 - ORIGINAL WELLBORE - WB #1 - Patterso	18,200.00	17,365.00	1,236.05	685.51	2.245	ES, SF
MICKEY 12 - ORIGINAL WELLBORE - WB #1 - Patterso	18,209.66	17,365.00	1,236.00	685.86	2.247	CC
MICKEY 13 - ORIGINAL WELLBORE - WB #1 - Patterso	18,268.65	17,380.34	1,119.94	590.58	2.116	CC, ES, SF
VARRA 10 - Wellbore #1 - Wellbore #1	21,121.77	17,140.00	828.72	326.17	1.649	CC, ES, SF
VARRA 11 - Wellbore #1 - Wellbore #1	21,121.77	16,920.00	915.29	349.21	1.617	CC, ES, SF
VARRA 12 - Wellbore #1 - Wellbore #1	21,121.77	17,070.00	1,246.46	650.79	2.093	CC, ES, SF
VARRA 2 - Wellbore #1 - Wellbore #1	21,121.77	16,991.00	1,055.67	431.32	1.691	CC, ES, SF
VARRA 3 - STK1 - STK1	21,121.77	16,815.00	733.93	167.25	1.295	Level 3, CC, ES, SF
VARRA 3 - Wellbore #1 - Wellbore #1	21,121.77	15,135.00	1,995.04	1,683.10	6.396	CC, ES, SF
VARRA 4 - Wellbore #1 - Wellbore #1	21,121.77	17,130.00	648.28	60.78	1.103	Level 2, CC, ES, SF
VARRA 5 - Wellbore #1 - Wellbore #1	21,121.77	16,905.00	427.51	-181.27	0.702	Level 1, CC, ES, SF
VARRA 6 - Wellbore #1 - Wellbore #1	21,121.77	17,004.00	252.73	20.64	1.089	Level 2, CC, ES, SF
VARRA 7 - Wellbore #1 - Wellbore #1	21,121.77	17,100.00	318.15	136.35	1.750	CC, ES, SF
VARRA 8 - Wellbore #1 - Wellbore #1	21,121.77	16,848.00	307.19	-145.49	0.679	Level 1, CC, ES, SF
VARRA 9 - STK1 - STK1	21,121.77	16,811.00	628.23	71.75	1.129	Level 2, CC, ES, SF
VARRA 9 - Wellbore #1 - Wellbore #1	21,121.77	15,770.00	1,292.74	1,082.97	6.162	CC, ES, SF

Offset Design

Sec 12-T6N-R67W - SIMONSEN 11-421 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 144-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
100.00	100.00	40.20	40.20	0.27	0.06	-160.21	-7,839.75	-2,821.46	8,332.01	8,331.67	0.33	N/A	
200.00	200.00	12,310.00	7,272.34	0.63	95.75	-133.57	-2,881.63	-3,029.39	8,266.61	8,212.86	53.75	153.796	
300.00	300.00	12,310.00	7,272.34	0.99	95.75	-133.57	-2,881.63	-3,029.39	8,180.50	8,126.53	53.98	151.560	
400.00	399.98	12,310.00	7,272.34	1.33	95.75	22.36	-2,881.63	-3,029.39	8,093.89	8,039.65	54.24	149.230	
500.00	499.84	12,310.00	7,272.34	1.67	95.75	23.81	-2,881.63	-3,029.39	8,005.99	7,951.46	54.53	146.818	
600.00	599.45	12,310.00	7,272.34	2.03	95.75	25.44	-2,881.63	-3,029.39	7,916.88	7,862.05	54.83	144.382	
700.00	698.70	12,310.00	7,272.34	2.41	95.75	27.31	-2,881.63	-3,029.39	7,826.62	7,771.48	55.14	141.931	
800.00	797.47	12,310.00	7,272.34	2.81	95.75	29.44	-2,881.63	-3,029.39	7,735.29	7,679.83	55.46	139.473	
900.00	895.62	12,310.00	7,272.34	3.25	95.75	31.89	-2,881.63	-3,029.39	7,642.96	7,587.18	55.78	137.012	
1,000.00	993.06	12,310.00	7,272.34	3.72	95.75	34.73	-2,881.63	-3,029.39	7,549.70	7,493.59	56.11	134.553	
1,100.00	1,089.64	12,310.00	7,272.34	4.23	95.75	38.02	-2,881.63	-3,029.39	7,455.61	7,399.17	56.44	132.100	
1,200.00	1,185.27	12,310.00	7,272.34	4.78	95.75	41.87	-2,881.63	-3,029.39	7,360.76	7,303.99	56.77	129.656	
1,300.00	1,279.82	12,310.00	7,272.34	5.38	95.75	46.36	-2,881.63	-3,029.39	7,265.24	7,208.13	57.11	127.224	
1,400.00	1,373.17	12,310.00	7,272.34	6.03	95.75	51.60	-2,881.63	-3,029.39	7,169.14	7,111.70	57.44	124.804	
1,500.00	1,465.21	12,310.00	7,272.34	6.72	95.75	57.67	-2,881.63	-3,029.39	7,072.57	7,014.78	57.78	122.400	
1,600.00	1,555.84	12,310.00	7,272.34	7.47	95.75	64.60	-2,881.63	-3,029.39	6,975.61	6,917.49	58.13	120.010	
1,700.00	1,644.94	12,310.00	7,272.34	8.27	95.75	72.33	-2,881.63	-3,029.39	6,878.38	6,819.91	58.47	117.638	
1,800.00	1,732.39	12,310.00	7,272.34	9.12	95.75	80.68	-2,881.63	-3,029.39	6,780.98	6,722.16	58.82	115.283	
1,900.00	1,818.11	12,310.00	7,272.34	10.02	95.75	89.32	-2,881.63	-3,029.39	6,683.53	6,624.36	59.18	112.945	
2,000.00	1,901.97	12,310.00	7,272.34	10.98	95.75	97.87	-2,881.63	-3,029.39	6,586.15	6,526.61	59.54	110.624	
2,100.00	1,983.88	12,310.00	7,272.34	11.98	95.75	105.94	-2,881.63	-3,029.39	6,488.96	6,429.06	59.90	108.322	
2,200.00	2,063.74	12,310.00	7,272.34	13.04	95.75	113.29	-2,881.63	-3,029.39	6,392.09	6,331.81	60.28	106.036	
2,300.00	2,141.45	12,310.00	7,272.34	14.14	95.75	119.79	-2,881.63	-3,029.39	6,295.68	6,235.01	60.67	103.767	

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
2,400.00	2,216.92	12,310.00	7,272.34	15.30	95.75	125.43	-2,881.63	-3,029.39	6,199.86	6,138.79	61.07	101.515		
2,500.00	2,290.05	12,310.00	7,272.34	16.50	95.75	130.27	-2,881.63	-3,029.39	6,104.79	6,043.30	61.49	99.280		
2,600.00	2,360.76	12,310.00	7,272.34	17.76	95.75	134.41	-2,881.63	-3,029.39	6,010.62	5,948.70	61.93	97.061		
2,700.00	2,428.95	12,310.00	7,272.34	19.05	95.75	137.95	-2,881.63	-3,029.39	5,917.51	5,855.13	62.38	94.860		
2,800.00	2,494.55	12,310.00	7,272.34	20.39	95.75	140.98	-2,881.63	-3,029.39	5,825.63	5,762.77	62.86	92.677		
2,900.00	2,557.49	12,310.00	7,272.34	21.78	95.75	143.39	-2,881.63	-3,029.39	5,735.14	5,671.79	63.36	90.520		
3,000.00	2,619.27	12,310.00	7,272.34	23.18	95.75	143.39	-2,881.63	-3,029.39	5,645.50	5,581.60	63.90	88.351		
3,100.00	2,681.04	12,310.00	7,272.34	24.60	95.75	143.39	-2,881.63	-3,029.39	5,556.21	5,491.74	64.47	86.182		
3,200.00	2,742.82	12,310.00	7,272.34	26.02	95.75	143.39	-2,881.63	-3,029.39	5,467.29	5,402.21	65.07	84.017		
3,300.00	2,804.59	12,310.00	7,272.34	27.44	95.75	143.39	-2,881.63	-3,029.39	5,378.75	5,313.05	65.71	81.860		
3,400.00	2,866.37	12,310.00	7,272.34	28.87	95.75	143.39	-2,881.63	-3,029.39	5,290.63	5,224.26	66.37	79.716		
3,500.00	2,928.15	12,310.00	7,272.34	30.30	95.75	143.39	-2,881.63	-3,029.39	5,202.94	5,135.88	67.06	77.587		
3,600.00	2,989.92	12,310.00	7,272.34	31.73	95.75	143.39	-2,881.63	-3,029.39	5,115.70	5,047.92	67.78	75.476		
3,700.00	3,051.70	12,310.00	7,272.34	33.17	95.75	143.39	-2,881.63	-3,029.39	5,028.93	4,960.40	68.53	73.387		
3,800.00	3,113.47	12,310.00	7,272.34	34.61	95.75	143.39	-2,881.63	-3,029.39	4,942.66	4,873.36	69.30	71.321		
3,900.00	3,175.25	12,310.00	7,272.34	36.05	95.75	143.39	-2,881.63	-3,029.39	4,856.92	4,786.81	70.11	69.280		
4,000.00	3,237.03	12,310.00	7,272.34	37.49	95.75	143.39	-2,881.63	-3,029.39	4,771.74	4,700.80	70.94	67.267		
4,100.00	3,298.80	12,310.00	7,272.34	38.93	95.75	143.39	-2,881.63	-3,029.39	4,687.14	4,615.34	71.80	65.282		
4,200.00	3,360.58	12,310.00	7,272.34	40.37	95.75	143.39	-2,881.63	-3,029.39	4,603.15	4,530.47	72.69	63.329		
4,300.00	3,422.35	12,310.00	7,272.34	41.82	95.75	143.39	-2,881.63	-3,029.39	4,519.82	4,446.22	73.60	61.407		
4,400.00	3,484.13	12,310.00	7,272.34	43.27	95.75	143.39	-2,881.63	-3,029.39	4,437.18	4,362.63	74.55	59.519		
4,500.00	3,545.90	12,310.00	7,272.34	44.72	95.75	143.39	-2,881.63	-3,029.39	4,355.27	4,279.74	75.53	57.666		
4,600.00	3,607.68	12,310.00	7,272.34	46.16	95.75	143.39	-2,881.63	-3,029.39	4,274.12	4,197.59	76.53	55.848		
4,700.00	3,669.46	12,310.00	7,272.34	47.61	95.75	143.39	-2,881.63	-3,029.39	4,193.80	4,116.23	77.56	54.068		
4,800.00	3,731.23	12,310.00	7,272.34	49.06	95.75	143.39	-2,881.63	-3,029.39	4,114.33	4,035.70	78.63	52.326		
4,900.00	3,793.01	12,310.00	7,272.34	50.52	95.75	143.39	-2,881.63	-3,029.39	4,035.77	3,956.05	79.72	50.624		
5,000.00	3,854.78	12,310.00	7,272.34	51.97	95.75	143.39	-2,881.63	-3,029.39	3,958.19	3,877.35	80.84	48.962		
5,100.00	3,916.56	12,310.00	7,272.34	53.42	95.75	143.39	-2,881.63	-3,029.39	3,881.63	3,799.63	81.99	47.341		
5,200.00	3,978.34	12,310.00	7,272.34	54.87	95.75	143.39	-2,881.63	-3,029.39	3,806.15	3,722.98	83.17	45.762		
5,300.00	4,040.11	12,310.00	7,272.34	56.32	95.75	143.39	-2,881.63	-3,029.39	3,731.84	3,647.46	84.38	44.228		
5,400.00	4,101.89	12,310.00	7,272.34	57.78	95.75	143.39	-2,881.63	-3,029.39	3,658.74	3,573.13	85.61	42.737		
5,500.00	4,163.66	12,310.00	7,272.34	59.23	95.75	143.39	-2,881.63	-3,029.39	3,586.94	3,500.07	86.87	41.292		
5,600.00	4,225.44	12,310.00	7,272.34	60.69	95.75	143.39	-2,881.63	-3,029.39	3,516.52	3,428.37	88.15	39.893		
5,700.00	4,287.21	12,310.00	7,272.34	62.14	95.75	143.39	-2,881.63	-3,029.39	3,447.57	3,358.11	89.45	38.541		
5,800.00	4,348.99	12,239.00	7,273.54	63.60	94.55	143.36	-2,952.55	-3,032.44	3,379.74	3,290.23	89.51	37.757		
5,900.00	4,410.77	12,176.59	7,274.47	65.05	93.50	143.33	-3,014.90	-3,035.22	3,311.83	3,222.09	89.74	36.905		
6,000.00	4,472.54	12,120.49	7,275.52	66.51	92.55	143.31	-3,070.94	-3,037.33	3,243.99	3,153.91	90.08	36.012		
6,100.00	4,534.32	12,048.00	7,277.23	67.96	91.33	143.29	-3,143.36	-3,040.13	3,176.46	3,086.34	90.12	35.246		
6,200.00	4,596.09	11,985.00	7,279.13	69.42	90.26	143.28	-3,206.29	-3,042.28	3,109.18	3,018.84	90.34	34.418		
6,300.00	4,657.87	11,934.06	7,281.11	70.88	89.40	143.28	-3,257.17	-3,043.64	3,042.24	2,951.45	90.79	33.510		
6,400.00	4,719.64	11,891.76	7,283.22	72.33	88.69	143.29	-3,299.41	-3,044.69	2,975.96	2,884.55	91.42	32.554		
6,500.00	4,781.42	11,438.00	7,281.43	73.79	81.01	143.42	-3,752.47	-3,043.90	2,904.88	2,822.00	82.88	35.050		
6,600.00	4,843.20	11,392.93	7,279.76	75.25	80.24	143.50	-3,797.39	-3,040.63	2,829.97	2,746.67	83.30	33.973		
6,700.00	4,904.97	11,374.00	7,279.36	76.71	79.91	143.54	-3,816.25	-3,039.11	2,755.92	2,671.50	84.42	32.645		
6,800.00	4,966.75	11,342.00	7,279.36	78.16	79.37	143.62	-3,848.15	-3,036.58	2,682.97	2,597.75	85.22	31.483		
6,900.00	5,028.52	11,273.55	7,279.85	79.62	78.20	143.80	-3,916.42	-3,031.77	2,610.76	2,525.72	85.04	30.699		
7,000.00	5,090.30	11,195.06	7,279.35	81.08	76.87	143.96	-3,994.79	-3,027.37	2,538.20	2,453.58	84.62	29.994		
7,100.00	5,152.08	11,134.38	7,278.57	82.54	75.84	144.07	-4,055.40	-3,024.49	2,465.54	2,380.82	84.72	29.103		
7,200.00	5,213.85	11,077.29	7,277.97	83.99	74.88	144.17	-4,112.44	-3,022.16	2,393.21	2,308.28	84.93	28.177		
7,300.00	5,275.63	11,034.27	7,277.79	85.45	74.15	144.25	-4,155.42	-3,020.47	2,321.38	2,235.80	85.58	27.126		
7,400.00	5,337.40	10,970.62	7,278.32	86.91	73.09	144.39	-4,219.02	-3,017.90	2,250.24	2,164.63	85.61	26.285		
7,500.00	5,399.18	10,930.00	7,278.66	88.37	72.41	144.46	-4,259.62	-3,016.83	2,179.57	2,093.18	86.39	25.230		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
7,600.00	5,460.95	10,845.59	7,279.32	89.83	71.00	144.59	-4,344.02	-3,015.78	2,109.35	2,023.48	85.87	24.564		
7,700.00	5,522.73	10,731.10	7,278.08	91.29	69.11	144.75	-4,458.49	-3,013.98	2,037.76	1,953.40	84.35	24.157		
7,800.00	5,584.51	10,686.60	7,277.54	92.75	68.37	144.82	-4,502.98	-3,013.10	1,966.04	1,880.95	85.08	23.107		
7,900.00	5,646.28	10,634.72	7,277.35	94.20	67.52	144.90	-4,554.85	-3,012.61	1,895.16	1,809.55	85.61	22.136		
8,000.00	5,708.06	10,571.93	7,277.15	95.66	66.49	144.97	-4,617.64	-3,012.85	1,824.75	1,738.92	85.83	21.260		
8,100.00	5,769.83	10,445.81	7,275.85	97.12	64.44	145.11	-4,743.73	-3,013.05	1,754.17	1,670.43	83.74	20.947		
8,200.00	5,831.61	10,381.02	7,274.89	98.58	63.38	145.31	-4,808.46	-3,010.35	1,681.62	1,597.92	83.70	20.090		
8,300.00	5,893.39	10,329.00	7,274.73	100.04	62.53	145.50	-4,860.43	-3,008.17	1,609.77	1,525.59	84.19	19.121		
8,400.00	5,955.16	10,282.35	7,274.91	101.50	61.77	145.64	-4,907.07	-3,007.06	1,538.90	1,453.92	84.98	18.109		
8,500.00	6,016.94	10,136.76	7,271.42	102.96	59.43	145.94	-5,052.58	-3,005.83	1,466.99	1,385.46	81.53	17.992		
8,600.00	6,078.71	9,978.27	7,257.57	104.42	56.89	146.39	-5,210.26	-2,998.96	1,388.96	1,312.08	76.88	18.067		
8,700.00	6,140.49	9,926.54	7,252.07	105.88	56.06	146.57	-5,261.62	-2,996.14	1,310.74	1,233.47	77.26	16.964		
8,800.00	6,202.26	9,899.88	7,249.88	107.34	55.63	146.69	-5,288.14	-2,994.63	1,233.88	1,154.80	79.07	15.604		
8,900.00	6,264.04	9,872.36	7,248.76	108.80	55.19	146.87	-5,315.59	-2,992.94	1,159.16	1,078.19	80.96	14.317		
9,000.00	6,325.82	9,839.27	7,248.39	110.26	54.67	147.11	-5,348.63	-2,991.12	1,086.55	1,003.88	82.67	13.142		
9,100.00	6,387.59	9,768.14	7,247.66	111.72	53.56	147.52	-5,419.73	-2,989.59	1,015.01	932.80	82.21	12.347		
9,200.00	6,449.37	9,653.04	7,246.77	113.18	51.75	148.86	-5,534.37	-2,980.88	942.26	864.24	78.02	12.077		
9,300.00	6,511.14	9,576.66	7,246.00	114.64	50.55	150.37	-5,610.02	-2,970.43	867.72	791.81	75.91	11.431		
9,400.00	6,572.92	9,529.35	7,245.57	116.10	49.81	151.52	-5,656.79	-2,963.40	793.12	716.95	76.18	10.411		
9,500.00	6,634.70	9,458.02	7,244.81	117.56	48.71	153.44	-5,727.49	-2,953.93	719.11	645.02	74.09	9.706		
9,600.00	6,696.47	9,398.82	7,244.23	119.02	47.81	155.25	-5,786.29	-2,947.11	645.96	572.86	73.10	8.836		
9,700.00	6,758.22	9,352.89	7,243.89	120.48	47.11	156.91	-5,832.08	-2,943.80	574.43	500.65	73.77	7.786		
9,800.00	6,817.23	9,289.52	7,243.84	122.00	46.17	163.08	-5,895.43	-2,941.93	504.59	433.60	70.99	7.108		
9,900.00	6,870.40	9,233.05	7,244.23	123.58	45.35	171.01	-5,951.89	-2,941.86	439.93	373.37	66.56	6.610		
10,000.00	6,916.13	9,178.35	7,244.61	125.16	44.56	179.02	-6,006.58	-2,942.76	387.57	323.73	63.84	6.071		
10,100.00	6,953.01	9,133.99	7,244.78	126.69	43.93	-175.35	-6,050.94	-2,942.90	358.59	284.60	73.98	4.847		
10,136.35	6,964.00	9,121.34	7,244.75	127.20	43.74	-174.17	-6,063.60	-2,942.80	356.15	274.55	81.60	4.365 CC		
10,200.00	6,979.94	9,107.10	7,244.68	128.11	43.54	-173.79	-6,077.83	-2,942.46	363.85	266.82	97.02	3.750 ES		
10,300.00	6,996.09	9,093.00	7,244.59	129.37	43.34	-175.98	-6,091.91	-2,941.80	405.04	286.30	118.73	3.411 SF		
10,400.00	7,001.00	9,093.00	7,244.59	130.45	43.34	177.26	-6,091.91	-2,941.80	472.85	340.49	132.36	3.572		
10,500.00	7,001.00	9,093.00	7,244.59	131.44	43.34	177.26	-6,091.91	-2,941.80	553.36	412.62	140.74	3.932		
10,600.00	7,001.00	9,101.92	7,244.65	132.48	43.47	175.58	-6,083.01	-2,942.25	639.27	493.84	145.43	4.396		
10,700.00	7,001.00	9,104.15	7,244.66	133.54	43.50	175.16	-6,080.78	-2,942.34	728.82	579.97	148.85	4.896		
10,800.00	7,001.00	9,106.05	7,244.68	134.64	43.53	174.80	-6,078.88	-2,942.42	820.78	669.59	151.18	5.429		
10,900.00	7,001.00	9,107.69	7,244.68	135.77	43.55	174.49	-6,077.24	-2,942.48	914.41	761.58	152.84	5.983		
11,000.00	7,001.00	9,109.13	7,244.69	136.94	43.57	174.23	-6,075.80	-2,942.52	1,009.27	855.22	154.04	6.552		
11,100.00	7,001.00	9,110.40	7,244.70	138.14	43.59	173.99	-6,074.54	-2,942.56	1,105.03	950.07	154.95	7.131		
11,200.00	7,001.00	9,111.52	7,244.70	139.38	43.60	173.78	-6,073.41	-2,942.60	1,201.47	1,045.82	155.65	7.719		
11,300.00	7,001.00	9,112.52	7,244.71	140.65	43.62	173.59	-6,072.41	-2,942.62	1,298.45	1,142.26	156.19	8.313		
11,400.00	7,001.00	9,113.42	7,244.71	141.95	43.63	173.42	-6,071.51	-2,942.65	1,395.86	1,239.23	156.63	8.912		
11,500.00	7,001.00	9,124.00	7,244.76	143.29	43.78	171.46	-6,060.93	-2,942.83	1,493.71	1,337.08	156.63	9.536		
11,600.00	7,001.00	9,124.00	7,244.76	144.66	43.78	171.46	-6,060.93	-2,942.83	1,591.72	1,434.75	156.97	10.140		
11,700.00	7,001.00	9,124.00	7,244.76	146.06	43.78	171.46	-6,060.93	-2,942.83	1,689.96	1,532.71	157.25	10.747		
11,800.00	7,001.00	9,124.00	7,244.76	147.50	43.78	171.46	-6,060.93	-2,942.83	1,788.40	1,630.91	157.49	11.356		
11,900.00	7,001.00	9,124.00	7,244.76	148.97	43.78	171.46	-6,060.93	-2,942.83	1,887.00	1,729.31	157.69	11.967		
12,000.00	7,001.00	9,124.00	7,244.76	150.47	43.78	171.46	-6,060.93	-2,942.83	1,985.74	1,827.88	157.86	12.579		
12,100.00	7,001.00	9,124.00	7,244.76	152.00	43.78	171.46	-6,060.93	-2,942.83	2,084.60	1,926.59	158.01	13.192		
12,200.00	7,001.00	9,124.00	7,244.76	153.57	43.78	171.46	-6,060.93	-2,942.83	2,183.57	2,025.42	158.15	13.807		
12,300.00	7,001.00	9,124.00	7,244.76	155.16	43.78	171.46	-6,060.93	-2,942.83	2,282.62	2,124.36	158.27	14.423		
12,400.00	7,001.00	9,124.00	7,244.76	156.79	43.78	171.46	-6,060.93	-2,942.83	2,381.76	2,223.39	158.37	15.039		
12,500.00	7,001.00	9,124.00	7,244.76	158.44	43.78	171.46	-6,060.93	-2,942.83	2,480.96	2,322.50	158.47	15.656		
12,600.00	7,001.00	9,124.00	7,244.76	160.13	43.78	171.46	-6,060.93	-2,942.83	2,580.23	2,421.68	158.55	16.274		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
12,700.00	7,001.00	9,124.00	7,244.76	161.84	43.78	171.46	-6,060.93	-2,942.83	2,679.55	2,520.92	158.63	16.892		
12,800.00	7,001.00	9,124.00	7,244.76	163.58	43.78	171.46	-6,060.93	-2,942.83	2,778.91	2,620.22	158.70	17.511		
12,900.00	7,001.00	9,124.00	7,244.76	165.35	43.78	171.46	-6,060.93	-2,942.83	2,878.33	2,719.56	158.76	18.130		
13,000.00	7,001.00	9,124.00	7,244.76	167.14	43.78	171.46	-6,060.93	-2,942.83	2,977.78	2,818.96	158.82	18.749		
13,100.00	7,001.00	9,124.00	7,244.76	168.97	43.78	171.46	-6,060.93	-2,942.83	3,077.27	2,918.39	158.88	19.369		
13,200.00	7,001.00	9,124.00	7,244.76	170.81	43.78	171.46	-6,060.93	-2,942.83	3,176.79	3,017.86	158.93	19.989		
13,300.00	7,001.00	9,124.00	7,244.76	172.68	43.78	171.46	-6,060.93	-2,942.83	3,276.33	3,117.36	158.98	20.609		
13,400.00	7,001.00	9,124.00	7,244.76	174.58	43.78	171.46	-6,060.93	-2,942.83	3,375.91	3,216.89	159.02	21.229		
13,500.00	7,001.00	9,124.00	7,244.76	176.50	43.78	171.46	-6,060.93	-2,942.83	3,475.51	3,316.44	159.07	21.849		
13,600.00	7,001.00	9,124.00	7,244.76	178.44	43.78	171.46	-6,060.93	-2,942.83	3,575.13	3,416.02	159.11	22.470		
13,700.00	7,001.00	9,124.00	7,244.76	180.41	43.78	171.46	-6,060.93	-2,942.83	3,674.77	3,515.63	159.15	23.090		
13,800.00	7,001.00	9,124.00	7,244.76	182.39	43.78	171.46	-6,060.93	-2,942.83	3,774.44	3,615.25	159.18	23.711		
13,900.00	7,001.00	9,124.00	7,244.76	184.40	43.78	171.46	-6,060.93	-2,942.83	3,874.11	3,714.90	159.22	24.332		
14,000.00	7,001.00	9,124.00	7,244.76	186.43	43.78	171.46	-6,060.93	-2,942.83	3,973.81	3,814.56	159.25	24.953		
14,100.00	7,001.00	9,124.00	7,244.76	188.48	43.78	171.46	-6,060.93	-2,942.83	4,073.52	3,914.23	159.29	25.574		
14,200.00	7,001.00	9,124.00	7,244.76	190.54	43.78	171.46	-6,060.93	-2,942.83	4,173.24	4,013.93	159.32	26.194		
14,300.00	7,001.00	9,655.00	7,246.82	192.63	51.78	117.97	-5,532.43	-2,981.22	4,272.59	4,121.53	151.06	28.284		
14,400.00	7,001.00	9,663.00	7,246.88	194.73	51.91	117.65	-5,524.51	-2,982.29	4,371.43	4,220.29	151.14	28.922		
14,500.00	7,001.00	9,663.00	7,246.88	196.85	51.91	117.65	-5,524.51	-2,982.29	4,470.32	4,318.99	151.34	29.539		
14,600.00	7,001.00	9,663.00	7,246.88	198.99	51.91	117.65	-5,524.51	-2,982.29	4,569.26	4,417.74	151.52	30.156		
14,700.00	7,001.00	9,678.51	7,247.05	201.14	52.15	117.06	-5,509.15	-2,984.42	4,668.08	4,516.59	151.49	30.815		
14,800.00	7,001.00	9,680.44	7,247.07	203.31	52.18	116.99	-5,507.23	-2,984.66	4,767.06	4,615.42	151.64	31.437		
14,900.00	7,001.00	9,695.00	7,247.21	205.50	52.41	116.45	-5,492.77	-2,986.36	4,866.19	4,714.57	151.62	32.095		
15,000.00	7,001.00	9,695.00	7,247.21	207.70	52.41	116.45	-5,492.77	-2,986.36	4,965.21	4,813.43	151.78	32.712		
15,100.00	7,001.00	9,695.00	7,247.21	209.91	52.41	116.45	-5,492.77	-2,986.36	5,064.27	4,912.33	151.94	33.330		
15,200.00	7,001.00	9,695.00	7,247.21	212.14	52.41	116.45	-5,492.77	-2,986.36	5,163.37	5,011.27	152.10	33.948		
15,300.00	7,001.00	9,695.00	7,247.21	214.38	52.41	116.45	-5,492.77	-2,986.36	5,262.50	5,110.26	152.25	34.566		
15,400.00	7,001.00	9,695.00	7,247.21	216.64	52.41	116.45	-5,492.77	-2,986.36	5,361.67	5,209.28	152.39	35.184		
15,500.00	7,001.00	9,695.00	7,247.21	218.90	52.41	116.45	-5,492.77	-2,986.36	5,460.86	5,308.33	152.53	35.802		
15,600.00	7,001.00	9,695.00	7,247.21	221.18	52.41	116.45	-5,492.77	-2,986.36	5,560.09	5,407.42	152.66	36.421		
15,700.00	7,001.00	9,695.00	7,247.21	223.47	52.41	116.45	-5,492.77	-2,986.36	5,659.34	5,506.54	152.79	37.039		
15,800.00	7,001.00	9,695.00	7,247.21	225.78	52.41	116.45	-5,492.77	-2,986.36	5,758.61	5,605.69	152.92	37.658		
15,900.00	7,001.00	9,695.00	7,247.21	228.09	52.41	116.45	-5,492.77	-2,986.36	5,857.92	5,704.87	153.04	38.277		
16,000.00	7,001.00	9,695.00	7,247.21	230.41	52.41	116.45	-5,492.77	-2,986.36	5,957.24	5,804.08	153.16	38.896		
16,100.00	7,001.00	9,695.00	7,247.21	232.75	52.41	116.45	-5,492.77	-2,986.36	6,056.59	5,903.31	153.28	39.514		
16,200.00	7,001.00	9,695.00	7,247.21	235.09	52.41	116.45	-5,492.77	-2,986.36	6,155.96	6,002.57	153.39	40.133		
16,300.00	7,001.00	9,695.00	7,247.21	237.45	52.41	116.45	-5,492.77	-2,986.36	6,255.34	6,101.85	153.50	40.752		
16,400.00	7,001.00	9,695.00	7,247.21	239.81	52.41	116.45	-5,492.77	-2,986.36	6,354.75	6,201.15	153.60	41.371		
16,500.00	7,001.00	9,695.00	7,247.21	242.18	52.41	116.45	-5,492.77	-2,986.36	6,454.18	6,300.47	153.71	41.990		
16,600.00	7,001.00	9,695.00	7,247.21	244.56	52.41	116.45	-5,492.77	-2,986.36	6,553.62	6,399.81	153.81	42.609		
16,700.00	7,001.00	9,695.00	7,247.21	246.95	52.41	116.45	-5,492.77	-2,986.36	6,653.08	6,499.17	153.91	43.228		
16,800.00	7,001.00	9,695.00	7,247.21	249.35	52.41	116.45	-5,492.77	-2,986.36	6,752.56	6,598.55	154.00	43.847		
16,900.00	7,001.00	9,695.00	7,247.21	251.75	52.41	116.45	-5,492.77	-2,986.36	6,852.05	6,697.95	154.10	44.466		
17,000.00	7,001.00	9,695.00	7,247.21	254.17	52.41	116.45	-5,492.77	-2,986.36	6,951.55	6,797.36	154.19	45.085		
17,100.00	7,001.00	9,695.00	7,247.21	256.59	52.41	116.45	-5,492.77	-2,986.36	7,051.07	6,896.79	154.28	45.703		
17,200.00	7,001.00	9,695.00	7,247.21	259.01	52.41	116.45	-5,492.77	-2,986.36	7,150.61	6,996.24	154.37	46.322		
17,300.00	7,001.00	9,695.00	7,247.21	261.45	52.41	116.45	-5,492.77	-2,986.36	7,250.15	7,095.70	154.45	46.940		
17,400.00	7,001.00	9,695.00	7,247.21	263.89	52.41	116.45	-5,492.77	-2,986.36	7,349.71	7,195.17	154.54	47.559		
17,500.00	7,001.00	9,695.00	7,247.21	266.34	52.41	116.45	-5,492.77	-2,986.36	7,449.28	7,294.66	154.62	48.177		
17,600.00	7,001.00	9,695.00	7,247.21	268.79	52.41	116.45	-5,492.77	-2,986.36	7,548.86	7,394.16	154.70	48.795		
17,700.00	7,001.00	9,695.00	7,247.21	271.25	52.41	116.45	-5,492.77	-2,986.36	7,648.46	7,493.67	154.79	49.413		
17,800.00	7,001.00	9,695.00	7,247.21	273.72	52.41	116.45	-5,492.77	-2,986.36	7,748.06	7,593.19	154.86	50.031		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	
17,900.00	7,001.00	9,695.00	7,247.21	276.19	52.41	116.45	-5,492.77	-2,986.36	7,847.67	7,692.73	154.94	50.649	
18,000.00	7,001.00	9,695.00	7,247.21	278.67	52.41	116.45	-5,492.77	-2,986.36	7,947.29	7,792.28	155.02	51.267	
18,100.00	7,001.00	9,695.00	7,247.21	281.15	52.41	116.45	-5,492.77	-2,986.36	8,046.93	7,891.83	155.09	51.884	
18,200.00	7,001.00	9,695.00	7,247.21	283.64	52.41	117.77	-5,492.77	-2,986.36	8,146.57	7,991.40	155.17	52.501	
18,300.00	7,001.00	9,695.00	7,247.21	286.15	52.41	136.06	-5,492.77	-2,986.36	8,246.35	8,091.12	155.23	53.124	
18,400.00	7,001.00	9,695.00	7,247.21	288.68	52.41	179.09	-5,492.77	-2,986.36	8,346.26	8,191.00	155.26	53.755	
18,500.00	7,001.00	9,695.00	7,247.21	291.24	52.41	-161.31	-5,492.77	-2,986.36	8,446.19	8,290.91	155.28	54.392	
18,600.00	7,001.00	9,695.00	7,247.21	293.80	52.41	-161.31	-5,492.77	-2,986.36	8,546.12	8,390.82	155.30	55.028	
18,700.00	7,001.00	9,695.00	7,247.21	296.36	52.41	-161.31	-5,492.77	-2,986.36	8,646.05	8,490.73	155.32	55.665	
18,800.00	7,001.00	9,695.00	7,247.21	298.93	52.41	-161.31	-5,492.77	-2,986.36	8,745.98	8,590.64	155.34	56.301	
18,900.00	7,001.00	9,695.00	7,247.21	301.50	52.41	-161.31	-5,492.77	-2,986.36	8,845.91	8,690.55	155.36	56.937	
19,000.00	7,001.00	9,695.00	7,247.21	304.07	52.41	-161.31	-5,492.77	-2,986.36	8,945.85	8,790.46	155.38	57.573	
19,100.00	7,001.00	9,695.00	7,247.21	306.65	52.41	-161.31	-5,492.77	-2,986.36	9,045.78	8,890.38	155.41	58.208	
19,200.00	7,001.00	9,695.00	7,247.21	309.23	52.41	-161.31	-5,492.77	-2,986.36	9,145.72	8,990.29	155.43	58.843	
19,300.00	7,001.00	9,695.00	7,247.21	311.81	52.41	-161.31	-5,492.77	-2,986.36	9,245.66	9,090.21	155.45	59.477	
19,400.00	7,001.00	9,695.00	7,247.21	314.39	52.41	-161.31	-5,492.77	-2,986.36	9,345.60	9,190.13	155.47	60.112	
19,500.00	7,001.00	9,695.00	7,247.21	316.97	52.41	-161.31	-5,492.77	-2,986.36	9,445.54	9,290.05	155.49	60.746	
19,600.00	7,001.00	9,695.00	7,247.21	319.56	52.41	-161.31	-5,492.77	-2,986.36	9,545.48	9,389.97	155.52	61.379	
19,700.00	7,001.00	9,695.00	7,247.21	322.15	52.41	-161.31	-5,492.77	-2,986.36	9,645.43	9,489.89	155.54	62.013	
19,800.00	7,001.00	9,695.00	7,247.21	324.74	52.41	-161.31	-5,492.77	-2,986.36	9,745.37	9,589.81	155.56	62.646	
19,900.00	7,001.00	9,695.00	7,247.21	327.33	52.41	-178.70	-5,492.77	-2,986.36	9,845.32	9,689.73	155.59	63.278	
20,000.00	7,001.00	9,695.00	7,247.21	329.92	52.41	132.06	-5,492.77	-2,986.36	9,945.25	9,789.63	155.63	63.905	
20,100.00	7,001.00	9,695.00	7,247.21	332.49	52.41	113.97	-5,492.77	-2,986.36	10,045.07	9,889.39	155.68	64.523	
20,200.00	7,001.00	9,695.00	7,247.21	335.04	52.41	111.29	-5,492.77	-2,986.36	10,144.73	9,988.98	155.75	65.134	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	-141.99	-2,888.49	-2,257.73	8,049.37					
100.00	100.00	12,126.00	7,107.01	0.27	94.24	-141.99	-2,888.49	-2,257.73	7,960.48	7,911.19	49.29	161.515		
200.00	200.00	12,126.00	7,107.01	0.63	94.24	-141.99	-2,888.49	-2,257.73	7,871.85	7,822.46	49.39	159.394		
300.00	300.00	12,126.00	7,107.01	0.99	94.24	-141.99	-2,888.49	-2,257.73	7,783.49	7,733.99	49.51	157.220		
400.00	399.98	12,126.00	7,107.01	1.33	94.24	13.54	-2,888.49	-2,257.73	7,694.63	7,644.97	49.66	154.941		
500.00	499.84	12,126.00	7,107.01	1.67	94.24	14.55	-2,888.49	-2,257.73	7,604.52	7,554.67	49.84	152.565		
600.00	599.45	12,126.00	7,107.01	2.03	94.24	15.71	-2,888.49	-2,257.73	7,513.21	7,463.17	50.04	150.155		
700.00	698.70	12,126.00	7,107.01	2.41	94.24	17.08	-2,888.49	-2,257.73	7,420.79	7,370.55	50.24	147.721		
800.00	797.47	12,126.00	7,107.01	2.81	94.24	18.70	-2,888.49	-2,257.73	7,327.32	7,276.88	50.44	145.272		
900.00	895.62	12,126.00	7,107.01	3.25	94.24	20.63	-2,888.49	-2,257.73	7,232.87	7,182.23	50.65	142.813		
1,000.00	993.06	12,126.00	7,107.01	3.72	94.24	22.98	-2,888.49	-2,257.73	7,137.54	7,086.69	50.85	140.352		
1,100.00	1,089.64	12,126.00	7,107.01	4.23	94.24	25.87	-2,888.49	-2,257.73	7,041.40	6,990.33	51.06	137.891		
1,200.00	1,185.27	12,126.00	7,107.01	4.78	94.24	29.49	-2,888.49	-2,257.73	6,944.53	6,893.26	51.27	135.437		
1,300.00	1,279.82	12,126.00	7,107.01	5.38	94.24	34.12	-2,888.49	-2,257.73	6,847.03	6,795.54	51.48	132.992		
1,400.00	1,373.17	12,126.00	7,107.01	6.03	94.24	40.13	-2,888.49	-2,257.73	6,748.99	6,697.29	51.69	130.560		
1,500.00	1,465.21	12,126.00	7,107.01	6.72	94.24	48.02	-2,888.49	-2,257.73	6,650.50	6,598.60	51.90	128.143		
1,600.00	1,555.84	12,126.00	7,107.01	7.47	94.24	58.36	-2,888.49	-2,257.73	6,551.68	6,499.58	52.10	125.744		
1,700.00	1,644.94	12,126.00	7,107.01	8.27	94.24	71.41	-2,888.49	-2,257.73	6,452.63	6,400.32	52.31	123.365		
1,800.00	1,732.39	12,126.00	7,107.01	9.12	94.24	86.54	-2,888.49	-2,257.73	6,353.45	6,300.95	52.51	121.006		
1,900.00	1,818.11	12,126.00	7,107.01	10.02	94.24	101.92	-2,888.49	-2,257.73	6,254.28	6,201.57	52.70	118.669		
2,000.00	1,901.97	12,126.00	7,107.01	10.98	94.24	115.56	-2,888.49	-2,257.73	6,155.23	6,102.32	52.90	116.355		
2,100.00	1,983.88	12,126.00	7,107.01	11.98	94.24	126.51	-2,888.49	-2,257.73	6,056.43	6,003.33	53.10	114.062		
2,200.00	2,063.74	12,126.00	7,107.01	13.04	94.24	134.92	-2,888.49	-2,257.73	5,958.01	5,904.72	53.30	111.790		
2,300.00	2,141.45	12,126.00	7,107.01	14.14	94.24	141.31	-2,888.49	-2,257.73	5,860.13	5,806.64	53.50	109.537		
2,400.00	2,216.92	12,126.00	7,107.01	15.30	94.24	146.20	-2,888.49	-2,257.73	5,762.93	5,709.23	53.71	107.302		
2,500.00	2,290.05	12,126.00	7,107.01	16.50	94.24	150.02	-2,888.49	-2,257.73	5,666.57	5,612.64	53.93	105.081		
2,600.00	2,360.76	12,126.00	7,107.01	17.76	94.24	153.04	-2,888.49	-2,257.73	5,571.21	5,517.05	54.16	102.871		
2,700.00	2,428.95	12,126.00	7,107.01	19.05	94.24	155.48	-2,888.49	-2,257.73	5,477.01	5,422.61	54.41	100.669		
2,800.00	2,494.55	12,126.00	7,107.01	20.39	94.24	157.47	-2,888.49	-2,257.73	5,384.17	5,329.50	54.68	98.472		
2,900.00	2,557.49	12,126.00	7,107.01	21.78	94.24	159.01	-2,888.49	-2,257.73	5,292.87	5,237.90	54.97	96.287		
3,000.00	2,619.27	12,126.00	7,107.01	23.18	94.24	159.01	-2,888.49	-2,257.73	5,202.47	5,147.15	55.31	94.058		
3,100.00	2,681.04	12,126.00	7,107.01	24.60	94.24	159.01	-2,888.49	-2,257.73	5,112.42	5,056.74	55.68	91.811		
3,200.00	2,742.82	12,126.00	7,107.01	26.02	94.24	159.01	-2,888.49	-2,257.73	5,022.75	4,966.66	56.09	89.551		
3,300.00	2,804.59	12,126.00	7,107.01	27.44	94.24	159.01	-2,888.49	-2,257.73	4,933.48	4,876.96	56.52	87.284		
3,400.00	2,866.37	12,126.00	7,107.01	28.87	94.24	159.01	-2,888.49	-2,257.73	4,844.63	4,787.65	56.99	85.016		
3,500.00	2,928.15	12,126.00	7,107.01	30.30	94.24	159.01	-2,888.49	-2,257.73	4,756.22	4,698.75	57.48	82.751		
3,600.00	2,989.92	12,126.00	7,107.01	31.73	94.24	159.01	-2,888.49	-2,257.73	4,668.28	4,610.29	57.99	80.495		
3,700.00	3,051.70	12,126.00	7,107.01	33.17	94.24	159.01	-2,888.49	-2,257.73	4,580.83	4,522.29	58.54	78.251		
3,800.00	3,113.47	12,126.00	7,107.01	34.61	94.24	159.01	-2,888.49	-2,257.73	4,493.91	4,434.80	59.11	76.022		
3,900.00	3,175.25	12,126.00	7,107.01	36.05	94.24	159.01	-2,888.49	-2,257.73	4,407.54	4,347.83	59.71	73.813		
4,000.00	3,237.03	12,126.00	7,107.01	37.49	94.24	159.01	-2,888.49	-2,257.73	4,321.76	4,261.43	60.34	71.626		
4,100.00	3,298.80	12,126.00	7,107.01	38.93	94.24	159.01	-2,888.49	-2,257.73	4,236.61	4,175.62	60.99	69.464		
4,200.00	3,360.58	12,126.00	7,107.01	40.37	94.24	159.01	-2,888.49	-2,257.73	4,152.11	4,090.44	61.67	67.330		
4,300.00	3,422.35	12,126.00	7,107.01	41.82	94.24	159.01	-2,888.49	-2,257.73	4,068.32	4,005.95	62.37	65.226		
4,400.00	3,484.13	12,126.00	7,107.01	43.27	94.24	159.01	-2,888.49	-2,257.73	3,985.28	3,922.17	63.10	63.154		
4,500.00	3,545.90	12,126.00	7,107.01	44.72	94.24	159.01	-2,888.49	-2,257.73	3,903.03	3,839.17	63.86	61.117		
4,600.00	3,607.68	12,126.00	7,107.01	46.16	94.24	159.01	-2,888.49	-2,257.73	3,821.63	3,756.98	64.65	59.116		
4,700.00	3,669.46	12,126.00	7,107.01	47.61	94.24	159.01	-2,888.49	-2,257.73	3,741.13	3,675.67	65.46	57.153		
4,800.00	3,731.23	12,126.00	7,107.01	49.06	94.24	159.01	-2,888.49	-2,257.73	3,661.59	3,595.29	66.30	55.232		
4,900.00	3,793.01	12,126.00	7,107.01	50.52	94.24	159.01	-2,888.49	-2,257.73	3,583.08	3,515.92	67.16	53.352		
5,000.00	3,854.78	12,126.00	7,107.01	51.97	94.24	159.01	-2,888.49	-2,257.73	3,505.66	3,437.61	68.05	51.516		
5,100.00	3,916.56	12,126.00	7,107.01	53.42	94.24	159.01	-2,888.49	-2,257.73	3,429.41	3,360.44	68.97	49.727		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	3,978.34	12,126.00	7,107.01	54.87	94.24	159.01	-2,888.49	-2,257.73	3,354.41	3,284.50	69.91	47.985		
5,300.00	4,040.11	12,126.00	7,107.01	56.32	94.24	159.01	-2,888.49	-2,257.73	3,280.74	3,209.87	70.87	46.293		
5,400.00	4,101.89	12,126.00	7,107.01	57.78	94.24	159.01	-2,888.49	-2,257.73	3,208.49	3,136.64	71.86	44.651		
5,500.00	4,163.66	12,126.00	7,107.01	59.23	94.24	159.01	-2,888.49	-2,257.73	3,137.78	3,064.91	72.86	43.063		
5,600.00	4,225.44	12,126.00	7,107.01	60.69	94.24	159.01	-2,888.49	-2,257.73	3,068.69	2,994.80	73.89	41.530		
5,700.00	4,287.21	12,085.74	7,107.85	62.14	93.55	159.23	-2,928.73	-2,257.53	3,001.07	2,926.93	74.14	40.479		
5,800.00	4,348.99	12,021.32	7,109.27	63.60	92.44	159.59	-2,993.14	-2,257.33	2,933.81	2,859.90	73.91	39.693		
5,900.00	4,410.77	11,918.00	7,110.62	65.05	90.68	160.19	-3,096.45	-2,257.00	2,865.89	2,793.00	72.88	39.321		
6,000.00	4,472.54	11,782.95	7,111.34	66.51	88.37	161.03	-3,231.49	-2,256.34	2,797.91	2,726.77	71.14	39.331		
6,100.00	4,534.32	11,710.00	7,110.36	67.96	87.13	161.51	-3,304.43	-2,255.95	2,728.46	2,657.78	70.68	38.605		
6,200.00	4,596.09	11,664.00	7,109.99	69.42	86.35	161.82	-3,350.43	-2,255.92	2,659.53	2,588.73	70.80	37.562		
6,300.00	4,657.87	11,565.98	7,109.30	70.88	84.69	162.51	-3,448.45	-2,256.03	2,590.91	2,521.14	69.77	37.135		
6,400.00	4,719.64	11,506.00	7,108.27	72.33	83.67	162.94	-3,508.41	-2,256.46	2,521.77	2,452.18	69.59	36.240		
6,500.00	4,781.42	11,463.69	7,107.92	73.79	82.96	163.26	-3,550.72	-2,256.76	2,453.37	2,383.56	69.81	35.145		
6,600.00	4,843.20	11,339.77	7,106.70	75.25	80.87	164.27	-3,674.63	-2,257.13	2,384.93	2,316.84	68.09	35.026		
6,700.00	4,904.97	11,294.45	7,105.92	76.71	80.10	164.67	-3,719.94	-2,257.14	2,316.05	2,247.82	68.23	33.945		
6,800.00	4,966.75	11,238.30	7,105.53	78.16	79.16	165.18	-3,776.08	-2,257.13	2,248.00	2,179.89	68.11	33.006		
6,900.00	5,028.52	11,186.17	7,105.67	79.62	78.28	165.69	-3,828.21	-2,256.76	2,180.68	2,112.59	68.08	32.029		
7,000.00	5,090.30	11,106.36	7,105.84	81.08	76.94	166.52	-3,908.03	-2,256.26	2,113.55	2,046.20	67.35	31.383		
7,100.00	5,152.08	11,057.58	7,106.32	82.54	76.12	167.06	-3,956.80	-2,255.72	2,047.08	1,979.67	67.42	30.365		
7,200.00	5,213.85	10,958.55	7,106.95	83.99	74.46	168.27	-4,055.80	-2,253.53	1,980.49	1,914.37	66.12	29.955		
7,300.00	5,275.63	10,915.03	7,107.25	85.45	73.73	168.83	-4,099.31	-2,252.76	1,914.36	1,848.01	66.35	28.854		
7,400.00	5,337.40	10,802.04	7,107.94	86.91	71.85	170.37	-4,212.27	-2,250.91	1,848.60	1,783.95	64.66	28.591		
7,500.00	5,399.18	10,713.00	7,106.41	88.37	70.37	171.69	-4,301.29	-2,249.50	1,781.41	1,717.77	63.64	27.991		
7,600.00	5,460.95	10,674.81	7,105.97	89.83	69.74	172.28	-4,339.47	-2,249.07	1,715.14	1,651.02	64.11	26.752		
7,700.00	5,522.73	10,602.57	7,105.91	91.29	68.55	173.42	-4,411.71	-2,249.43	1,650.13	1,586.45	63.67	25.916		
7,800.00	5,584.51	10,516.00	7,105.17	92.75	67.13	174.88	-4,498.28	-2,250.08	1,585.04	1,522.16	62.88	25.207		
7,900.00	5,646.28	10,450.95	7,104.18	94.20	66.06	176.02	-4,563.31	-2,251.47	1,520.03	1,457.25	62.78	24.210		
8,000.00	5,708.06	10,390.35	7,103.88	95.66	65.08	177.10	-4,623.85	-2,254.07	1,456.30	1,393.38	62.91	23.147		
8,100.00	5,769.83	10,329.85	7,103.72	97.12	64.10	178.23	-4,684.28	-2,256.96	1,393.33	1,330.18	63.15	22.063		
8,200.00	5,831.61	10,229.20	7,102.91	98.58	62.48	179.76	-4,784.76	-2,262.58	1,330.52	1,268.11	62.41	21.319		
8,300.00	5,893.39	10,145.26	7,101.09	100.04	61.14	177.93	-4,868.52	-2,267.70	1,267.41	1,205.09	62.32	20.337		
8,400.00	5,955.16	10,089.74	7,099.72	101.50	60.26	176.61	-4,923.93	-2,271.08	1,204.87	1,141.65	63.23	19.057		
8,500.00	6,016.94	10,046.83	7,099.62	102.96	59.57	175.51	-4,966.79	-2,273.15	1,144.80	1,080.09	64.71	17.691		
8,600.00	6,078.71	9,972.15	7,100.27	104.42	58.39	173.46	-5,041.36	-2,276.90	1,086.55	1,020.82	65.73	16.529		
8,700.00	6,140.49	9,912.09	7,101.21	105.88	57.44	171.65	-5,101.37	-2,279.44	1,030.10	962.57	67.53	15.253		
8,800.00	6,202.26	9,819.79	7,102.19	107.34	55.99	168.62	-5,193.57	-2,283.53	974.72	905.45	69.26	14.072		
8,900.00	6,264.04	9,728.08	7,101.39	108.80	54.56	165.22	-5,285.21	-2,287.09	919.83	847.93	71.89	12.795		
9,000.00	6,325.82	9,666.00	7,100.08	110.26	53.59	162.69	-5,347.22	-2,289.60	866.20	790.47	75.73	11.438		
9,100.00	6,387.59	9,615.24	7,100.37	111.72	52.81	160.46	-5,397.96	-2,290.95	817.08	736.63	80.45	10.156		
9,200.00	6,449.37	9,550.81	7,101.32	113.18	51.81	157.44	-5,462.36	-2,292.39	771.91	685.91	86.00	8.975		
9,300.00	6,511.14	9,468.22	7,102.35	114.64	50.54	153.20	-5,544.94	-2,292.94	730.81	637.95	92.86	7.870		
9,400.00	6,572.92	9,379.23	7,101.11	116.10	49.19	148.20	-5,633.91	-2,293.93	692.36	591.28	101.09	6.849		
9,500.00	6,634.70	9,310.03	7,098.71	117.56	48.14	143.96	-5,703.08	-2,294.18	658.53	548.51	110.01	5.986		
9,600.00	6,696.47	9,251.33	7,096.80	119.02	47.26	140.18	-5,761.73	-2,293.96	631.70	512.66	119.05	5.306		
9,700.00	6,758.22	9,179.01	7,094.77	120.48	46.18	136.10	-5,834.03	-2,293.42	612.77	484.21	128.56	4.766		
9,752.33	6,789.72	9,149.20	7,094.11	121.28	45.74	137.60	-5,863.83	-2,293.04	609.32	476.19	133.12	4.577 CC		
9,800.00	6,817.23	9,116.62	7,093.87	122.00	45.26	138.53	-5,896.40	-2,292.93	612.11	474.70	137.41	4.455 ES		
9,900.00	6,870.40	9,063.26	7,094.20	123.58	44.49	141.20	-5,949.76	-2,293.04	636.48	491.86	144.62	4.401 SF		
10,000.00	6,916.13	9,001.12	7,094.22	125.16	43.59	142.50	-6,011.90	-2,293.02	684.18	533.55	150.63	4.542		
10,100.00	6,953.01	8,957.49	7,093.80	126.69	42.96	144.67	-6,055.53	-2,293.11	751.34	597.22	154.12	4.875		
10,200.00	6,979.94	8,924.65	7,093.58	128.11	42.50	147.83	-6,088.37	-2,293.31	833.27	677.16	156.11	5.338		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
10,300.00	6,996.09	8,906.12	7,093.66	129.37	42.23	-155.08	-6,106.89	-2,293.46	925.19	768.13	157.06	5.891		
10,400.00	7,001.00	8,899.32	7,093.73	130.45	42.14	-177.59	-6,113.69	-2,293.52	1,022.71	865.20	157.52	6.493		
10,500.00	7,001.00	8,898.47	7,093.73	131.44	42.13	-177.26	-6,114.55	-2,293.53	1,121.70	963.95	157.75	7.111		
10,600.00	7,001.00	8,897.60	7,093.74	132.48	42.11	-176.94	-6,115.41	-2,293.54	1,220.86	1,062.93	157.93	7.731		
10,700.00	7,001.00	8,896.72	7,093.75	133.54	42.10	-176.61	-6,116.29	-2,293.54	1,320.14	1,162.07	158.07	8.352		
10,800.00	7,001.00	8,895.83	7,093.76	134.64	42.09	-176.27	-6,117.18	-2,293.55	1,419.52	1,261.34	158.18	8.974		
10,900.00	7,001.00	8,894.93	7,093.77	135.77	42.08	-175.93	-6,118.08	-2,293.56	1,518.98	1,360.71	158.27	9.597		
11,000.00	7,001.00	8,894.02	7,093.77	136.94	42.06	-175.59	-6,119.00	-2,293.57	1,618.51	1,460.16	158.35	10.221		
11,100.00	7,001.00	8,893.10	7,093.78	138.14	42.05	-175.25	-6,119.92	-2,293.58	1,718.09	1,559.67	158.42	10.845		
11,200.00	7,001.00	8,892.16	7,093.79	139.38	42.04	-174.90	-6,120.86	-2,293.59	1,817.72	1,659.24	158.48	11.470		
11,300.00	7,001.00	8,891.21	7,093.79	140.65	42.02	-174.54	-6,121.80	-2,293.60	1,917.38	1,758.86	158.53	12.095		
11,400.00	7,001.00	8,890.25	7,093.80	141.95	42.01	-174.18	-6,122.76	-2,293.61	2,017.08	1,858.51	158.58	12.720		
11,500.00	7,001.00	8,889.28	7,093.81	143.29	42.00	-173.82	-6,123.74	-2,293.61	2,116.81	1,958.19	158.62	13.345		
11,600.00	7,001.00	8,888.29	7,093.82	144.66	41.98	-173.45	-6,124.72	-2,293.62	2,216.56	2,057.90	158.66	13.971		
11,700.00	7,001.00	8,887.29	7,093.82	146.06	41.97	-173.08	-6,125.72	-2,293.63	2,316.33	2,157.64	158.69	14.596		
11,800.00	7,001.00	8,886.28	7,093.83	147.50	41.96	-172.70	-6,126.74	-2,293.64	2,416.12	2,257.40	158.73	15.222		
11,900.00	7,001.00	8,885.25	7,093.84	148.97	41.94	-172.32	-6,127.77	-2,293.65	2,515.93	2,357.17	158.76	15.848		
12,000.00	7,001.00	8,884.21	7,093.84	150.47	41.93	-171.94	-6,128.81	-2,293.66	2,615.75	2,456.96	158.79	16.473		
12,100.00	7,001.00	8,883.15	7,093.85	152.00	41.91	-171.55	-6,129.86	-2,293.67	2,715.59	2,556.77	158.82	17.099		
12,200.00	7,001.00	8,882.08	7,093.85	153.57	41.90	-171.15	-6,130.93	-2,293.69	2,815.43	2,656.59	158.85	17.724		
12,300.00	7,001.00	8,881.00	7,093.86	155.16	41.88	-170.75	-6,132.02	-2,293.70	2,915.29	2,756.42	158.87	18.350		
12,400.00	7,001.00	8,879.89	7,093.87	156.79	41.87	-170.35	-6,133.12	-2,293.71	3,015.15	2,856.25	158.90	18.975		
12,500.00	7,001.00	8,878.78	7,093.87	158.44	41.85	-169.94	-6,134.24	-2,293.72	3,115.03	2,956.10	158.93	19.601		
12,600.00	7,001.00	8,877.64	7,093.88	160.13	41.83	-169.53	-6,135.37	-2,293.73	3,214.91	3,055.96	158.95	20.226		
12,700.00	7,001.00	8,876.50	7,093.88	161.84	41.82	-169.11	-6,136.52	-2,293.74	3,314.80	3,155.82	158.98	20.851		
12,800.00	7,001.00	8,875.33	7,093.89	163.58	41.80	-168.69	-6,137.69	-2,293.75	3,414.69	3,255.69	159.00	21.476		
12,900.00	7,001.00	8,874.15	7,093.89	165.35	41.78	-168.26	-6,138.87	-2,293.77	3,514.59	3,355.56	159.03	22.101		
13,000.00	7,001.00	8,873.00	7,093.90	167.14	41.77	-167.84	-6,140.01	-2,293.78	3,614.49	3,455.44	159.05	22.725		
13,100.00	7,001.00	8,873.00	7,093.90	168.97	41.77	-167.84	-6,140.01	-2,293.78	3,714.40	3,555.35	159.06	23.352		
13,200.00	7,001.00	8,873.00	7,093.90	170.81	41.77	-167.84	-6,140.01	-2,293.78	3,814.32	3,655.25	159.06	23.980		
13,300.00	7,001.00	8,873.00	7,093.90	172.68	41.77	-167.84	-6,140.01	-2,293.78	3,914.24	3,755.17	159.07	24.607		
13,400.00	7,001.00	8,873.00	7,093.90	174.58	41.77	-167.84	-6,140.01	-2,293.78	4,014.16	3,855.08	159.08	25.234		
13,500.00	7,001.00	8,873.00	7,093.90	176.50	41.77	-167.84	-6,140.01	-2,293.78	4,114.09	3,955.00	159.09	25.861		
13,600.00	7,001.00	8,873.00	7,093.90	178.44	41.77	-167.84	-6,140.01	-2,293.78	4,214.02	4,054.92	159.10	26.487		
13,700.00	7,001.00	8,873.00	7,093.90	180.41	41.77	-167.84	-6,140.01	-2,293.78	4,313.95	4,154.85	159.10	27.114		
13,800.00	7,001.00	8,867.85	7,093.91	182.39	41.70	-166.00	-6,145.16	-2,293.83	4,413.88	4,254.70	159.18	27.728		
13,900.00	7,001.00	8,867.25	7,093.91	184.40	41.69	-165.79	-6,145.76	-2,293.84	4,513.82	4,354.62	159.20	28.353		
14,000.00	7,001.00	8,866.66	7,093.91	186.43	41.68	-165.58	-6,146.35	-2,293.84	4,613.76	4,454.55	159.22	28.978		
14,100.00	7,001.00	8,866.09	7,093.91	188.48	41.67	-165.38	-6,146.93	-2,293.85	4,713.71	4,554.47	159.23	29.602		
14,200.00	7,001.00	8,865.52	7,093.91	190.54	41.66	-165.18	-6,147.50	-2,293.86	4,813.65	4,654.40	159.25	30.227		
14,300.00	7,001.00	8,864.95	7,093.92	192.63	41.66	-164.98	-6,148.06	-2,293.86	4,913.60	4,754.33	159.27	30.851		
14,400.00	7,001.00	8,864.40	7,093.92	194.73	41.65	-164.78	-6,148.62	-2,293.87	5,013.55	4,854.27	159.28	31.475		
14,500.00	7,001.00	8,863.85	7,093.92	196.85	41.64	-164.59	-6,149.16	-2,293.87	5,113.50	4,954.20	159.30	32.100		
14,600.00	7,001.00	8,863.31	7,093.92	198.99	41.63	-164.40	-6,149.70	-2,293.88	5,213.46	5,054.14	159.32	32.723		
14,700.00	7,001.00	8,862.78	7,093.92	201.14	41.63	-164.22	-6,150.23	-2,293.88	5,313.41	5,154.07	159.34	33.347		
14,800.00	7,001.00	8,862.26	7,093.92	203.31	41.62	-164.04	-6,150.75	-2,293.89	5,413.37	5,254.01	159.35	33.971		
14,900.00	7,001.00	8,861.74	7,093.92	205.50	41.61	-163.86	-6,151.27	-2,293.89	5,513.33	5,353.95	159.37	34.594		
15,000.00	7,001.00	8,861.24	7,093.92	207.70	41.60	-163.68	-6,151.78	-2,293.90	5,613.28	5,453.90	159.39	35.218		
15,100.00	7,001.00	8,860.73	7,093.92	209.91	41.60	-163.51	-6,152.28	-2,293.90	5,713.25	5,553.84	159.41	35.841		
15,200.00	7,001.00	8,860.24	7,093.92	212.14	41.59	-163.33	-6,152.77	-2,293.91	5,813.21	5,653.78	159.42	36.464		
15,300.00	7,001.00	8,859.75	7,093.92	214.38	41.58	-163.17	-6,153.26	-2,293.91	5,913.17	5,753.73	159.44	37.087		
15,400.00	7,001.00	8,859.27	7,093.92	216.64	41.58	-163.00	-6,153.74	-2,293.91	6,013.14	5,853.68	159.46	37.709		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	8,858.79	7,093.92	218.90	41.57	-162.84	-6,154.22	-2,293.92	6,113.10	5,953.62	159.48	38.332		
15,600.00	7,001.00	8,858.33	7,093.92	221.18	41.56	-162.67	-6,154.69	-2,293.92	6,213.07	6,053.57	159.50	38.954		
15,700.00	7,001.00	8,857.86	7,093.92	223.47	41.56	-162.52	-6,155.15	-2,293.93	6,313.04	6,153.52	159.52	39.576		
15,800.00	7,001.00	8,857.41	7,093.92	225.78	41.55	-162.36	-6,155.61	-2,293.93	6,413.00	6,253.47	159.53	40.198		
15,900.00	7,001.00	8,856.96	7,093.92	228.09	41.54	-162.20	-6,156.06	-2,293.94	6,512.97	6,353.42	159.55	40.820		
16,000.00	7,001.00	8,856.51	7,093.92	230.41	41.54	-162.05	-6,156.50	-2,293.94	6,612.94	6,453.37	159.57	41.442		
16,100.00	7,001.00	8,856.07	7,093.92	232.75	41.53	-161.90	-6,156.94	-2,293.94	6,712.92	6,553.32	159.59	42.063		
16,200.00	7,001.00	8,855.64	7,093.92	235.09	41.53	-161.76	-6,157.37	-2,293.95	6,812.89	6,653.28	159.61	42.684		
16,300.00	7,001.00	8,855.21	7,093.91	237.45	41.52	-161.61	-6,157.80	-2,293.95	6,912.86	6,753.23	159.63	43.305		
16,400.00	7,001.00	8,854.79	7,093.91	239.81	41.51	-161.47	-6,158.22	-2,293.95	7,012.83	6,853.18	159.65	43.926		
16,500.00	7,001.00	8,854.37	7,093.91	242.18	41.51	-161.33	-6,158.64	-2,293.96	7,112.81	6,953.14	159.67	44.547		
16,600.00	7,001.00	8,853.96	7,093.91	244.56	41.50	-161.19	-6,159.05	-2,293.96	7,212.78	7,053.09	159.69	45.167		
16,700.00	7,001.00	8,853.55	7,093.91	246.95	41.50	-161.05	-6,159.46	-2,293.96	7,312.76	7,153.05	159.71	45.787		
16,800.00	7,001.00	8,853.15	7,093.91	249.35	41.49	-160.91	-6,159.86	-2,293.97	7,412.73	7,253.00	159.73	46.407		
16,900.00	7,001.00	8,852.76	7,093.91	251.75	41.49	-160.78	-6,160.26	-2,293.97	7,512.71	7,352.96	159.75	47.027		
17,000.00	7,001.00	8,852.36	7,093.91	254.17	41.48	-160.65	-6,160.65	-2,293.97	7,612.69	7,452.92	159.77	47.647		
17,100.00	7,001.00	8,851.98	7,093.91	256.59	41.48	-160.52	-6,161.04	-2,293.98	7,712.67	7,552.87	159.79	48.266		
17,200.00	7,001.00	8,851.59	7,093.91	259.01	41.47	-160.39	-6,161.42	-2,293.98	7,812.65	7,652.83	159.82	48.885		
17,300.00	7,001.00	8,851.22	7,093.91	261.45	41.46	-160.26	-6,161.80	-2,293.98	7,912.62	7,752.79	159.84	49.504		
17,400.00	7,001.00	8,850.84	7,093.91	263.89	41.46	-160.14	-6,162.17	-2,293.99	8,012.60	7,852.74	159.86	50.123		
17,500.00	7,001.00	8,850.47	7,093.91	266.34	41.45	-160.01	-6,162.54	-2,293.99	8,112.58	7,952.70	159.88	50.741		
17,600.00	7,001.00	8,850.11	7,093.90	268.79	41.45	-159.89	-6,162.90	-2,293.99	8,212.56	8,052.66	159.90	51.360		
17,700.00	7,001.00	8,849.75	7,093.90	271.25	41.44	-159.77	-6,163.26	-2,294.00	8,312.54	8,152.62	159.92	51.978		
17,800.00	7,001.00	8,849.39	7,093.90	273.72	41.44	-159.66	-6,163.62	-2,294.00	8,412.53	8,252.58	159.95	52.596		
17,900.00	7,001.00	8,849.04	7,093.90	276.19	41.43	-159.54	-6,163.97	-2,294.00	8,512.51	8,352.54	159.97	53.213		
18,000.00	7,001.00	8,848.69	7,093.90	278.67	41.43	-159.42	-6,164.32	-2,294.00	8,612.49	8,452.50	159.99	53.831		
18,100.00	7,001.00	8,841.00	7,093.87	281.15	41.32	-156.92	-6,172.01	-2,294.06	8,712.48	8,552.39	160.09	54.423		
18,200.00	7,001.00	8,841.00	7,093.87	283.64	41.32	-146.23	-6,172.01	-2,294.06	8,812.46	8,652.35	160.11	55.041		
18,300.00	7,001.00	8,841.00	7,093.87	286.15	41.32	-110.29	-6,172.01	-2,294.06	8,912.40	8,752.28	160.12	55.661		
18,400.00	7,001.00	8,841.00	7,093.87	288.68	41.32	-101.86	-6,172.01	-2,294.06	9,012.18	8,852.06	160.12	56.285		
18,500.00	7,001.00	8,836.09	7,093.84	291.24	41.25	-100.20	-6,176.92	-2,294.10	9,111.76	8,951.60	160.15	56.894		
18,600.00	7,001.00	8,761.82	7,092.59	293.80	40.23	-99.32	-6,251.18	-2,294.93	9,211.23	9,050.35	160.88	57.257		
18,700.00	7,001.00	8,758.57	7,092.55	296.36	40.18	-99.28	-6,254.43	-2,294.97	9,310.72	9,149.83	160.89	57.868		
18,800.00	7,001.00	8,746.00	7,092.38	298.93	40.01	-99.15	-6,266.99	-2,295.12	9,410.23	9,249.23	161.01	58.446		
18,900.00	7,001.00	8,746.00	7,092.38	301.50	40.01	-99.15	-6,266.99	-2,295.12	9,509.73	9,348.74	161.00	59.068		
19,000.00	7,001.00	8,746.00	7,092.38	304.07	40.01	-99.15	-6,266.99	-2,295.12	9,609.24	9,448.26	160.99	59.690		
19,100.00	7,001.00	8,746.00	7,092.38	306.65	40.01	-99.15	-6,266.99	-2,295.12	9,708.76	9,547.79	160.98	60.312		
19,200.00	7,001.00	8,746.00	7,092.38	309.23	40.01	-99.15	-6,266.99	-2,295.12	9,808.29	9,647.32	160.97	60.934		
19,300.00	7,001.00	8,746.00	7,092.38	311.81	40.01	-99.15	-6,266.99	-2,295.12	9,907.83	9,746.87	160.96	61.555		
19,400.00	7,001.00	8,746.00	7,092.38	314.39	40.01	-99.15	-6,266.99	-2,295.12	10,007.38	9,846.43	160.95	62.177		
19,500.00	7,001.00	8,746.00	7,092.38	316.97	40.01	-99.15	-6,266.99	-2,295.12	10,106.94	9,945.99	160.94	62.798		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	-151.89	-2,864.84	-1,530.47	7,920.85	7,876.45	44.40	178.401		
200.00	200.00	11,954.00	7,297.28	0.63	92.31	-151.89	-2,864.84	-1,530.47	7,829.75	7,785.28	44.47	176.065		
300.00	300.00	11,954.00	7,297.28	0.99	92.31	-151.89	-2,864.84	-1,530.47	7,738.87	7,694.31	44.56	173.672		
400.00	399.98	11,954.00	7,297.28	1.33	92.31	2.98	-2,864.84	-1,530.47	7,647.50	7,602.82	44.68	171.170		
500.00	499.84	11,954.00	7,297.28	1.67	92.31	3.25	-2,864.84	-1,530.47	7,554.96	7,510.14	44.82	168.571		
600.00	599.45	11,954.00	7,297.28	2.03	92.31	3.57	-2,864.84	-1,530.47	7,461.32	7,416.36	44.96	165.950		
700.00	698.70	11,954.00	7,297.28	2.41	92.31	3.95	-2,864.84	-1,530.47	7,366.67	7,321.56	45.11	163.316		
800.00	797.47	11,954.00	7,297.28	2.81	92.31	4.43	-2,864.84	-1,530.47	7,271.07	7,225.81	45.25	160.679		
900.00	895.62	11,954.00	7,297.28	3.25	92.31	5.03	-2,864.84	-1,530.47	7,174.61	7,129.21	45.40	158.048		
1,000.00	993.06	11,954.00	7,297.28	3.72	92.31	5.82	-2,864.84	-1,530.47	7,077.37	7,031.83	45.53	155.428		
1,100.00	1,089.64	11,954.00	7,297.28	4.23	92.31	6.89	-2,864.84	-1,530.47	6,979.44	6,933.77	45.67	152.826		
1,200.00	1,185.27	11,954.00	7,297.28	4.78	92.31	8.43	-2,864.84	-1,530.47	6,880.91	6,835.12	45.80	150.247		
1,300.00	1,279.82	11,954.00	7,297.28	5.38	92.31	10.81	-2,864.84	-1,530.47	6,781.89	6,735.97	45.92	147.696		
1,400.00	1,373.17	11,954.00	7,297.28	6.03	92.31	14.95	-2,864.84	-1,530.47	6,682.46	6,636.43	46.03	145.177		
1,500.00	1,465.21	11,954.00	7,297.28	6.72	92.31	23.80	-2,864.84	-1,530.47	6,582.75	6,536.62	46.13	142.693		
1,600.00	1,555.84	11,954.00	7,297.28	7.47	92.31	50.99	-2,864.84	-1,530.47	6,482.85	6,436.62	46.22	140.248		
1,700.00	1,644.94	11,954.00	7,297.28	8.27	92.31	122.05	-2,864.84	-1,530.47	6,382.88	6,336.58	46.31	137.844		
1,800.00	1,732.39	11,954.00	7,297.28	9.12	92.31	153.88	-2,864.84	-1,530.47	6,282.97	6,236.60	46.37	135.482		
1,900.00	1,818.11	11,954.00	7,297.28	10.02	92.31	163.73	-2,864.84	-1,530.47	6,183.25	6,136.81	46.43	133.164		
2,000.00	1,901.97	11,954.00	7,297.28	10.98	92.31	168.21	-2,864.84	-1,530.47	6,083.84	6,037.35	46.48	130.889		
2,100.00	1,983.88	11,954.00	7,297.28	11.98	92.31	170.72	-2,864.84	-1,530.47	5,984.88	5,938.36	46.52	128.656		
2,200.00	2,063.74	11,954.00	7,297.28	13.04	92.31	172.33	-2,864.84	-1,530.47	5,886.53	5,839.98	46.55	126.461		
2,300.00	2,141.45	11,954.00	7,297.28	14.14	92.31	173.44	-2,864.84	-1,530.47	5,788.93	5,742.36	46.57	124.301		
2,400.00	2,216.92	11,954.00	7,297.28	15.30	92.31	174.25	-2,864.84	-1,530.47	5,692.25	5,645.66	46.59	122.168		
2,500.00	2,290.05	11,954.00	7,297.28	16.50	92.31	174.87	-2,864.84	-1,530.47	5,596.66	5,550.04	46.62	120.056		
2,600.00	2,360.76	11,954.00	7,297.28	17.76	92.31	175.36	-2,864.84	-1,530.47	5,502.33	5,455.68	46.65	117.953		
2,700.00	2,428.95	11,954.00	7,297.28	19.05	92.31	175.75	-2,864.84	-1,530.47	5,409.44	5,362.75	46.69	115.850		
2,800.00	2,494.55	11,954.00	7,297.28	20.39	92.31	176.07	-2,864.84	-1,530.47	5,318.19	5,271.43	46.76	113.734		
2,900.00	2,557.49	11,954.00	7,297.28	21.78	92.31	176.31	-2,864.84	-1,530.47	5,228.77	5,181.92	46.85	111.611		
3,000.00	2,619.27	11,954.00	7,297.28	23.18	92.31	176.31	-2,864.84	-1,530.47	5,140.43	5,093.44	46.99	109.384		
3,100.00	2,681.04	11,954.00	7,297.28	24.60	92.31	176.31	-2,864.84	-1,530.47	5,052.53	5,005.35	47.17	107.107		
3,200.00	2,742.82	11,954.00	7,297.28	26.02	92.31	176.31	-2,864.84	-1,530.47	4,965.08	4,917.70	47.38	104.788		
3,300.00	2,804.59	11,954.00	7,297.28	27.44	92.31	176.31	-2,864.84	-1,530.47	4,878.11	4,830.49	47.62	102.437		
3,400.00	2,866.37	11,954.00	7,297.28	28.87	92.31	176.31	-2,864.84	-1,530.47	4,791.66	4,743.77	47.89	100.062		
3,500.00	2,928.15	11,954.00	7,297.28	30.30	92.31	176.31	-2,864.84	-1,530.47	4,705.74	4,657.56	48.18	97.671		
3,600.00	2,989.92	11,954.00	7,297.28	31.73	92.31	176.31	-2,864.84	-1,530.47	4,620.38	4,571.88	48.50	95.269		
3,700.00	3,051.70	11,954.00	7,297.28	33.17	92.31	176.31	-2,864.84	-1,530.47	4,535.63	4,486.79	48.84	92.864		
3,800.00	3,113.47	11,954.00	7,297.28	34.61	92.31	176.31	-2,864.84	-1,530.47	4,451.51	4,402.30	49.21	90.461		
3,900.00	3,175.25	11,954.00	7,297.28	36.05	92.31	176.31	-2,864.84	-1,530.47	4,368.05	4,318.45	49.60	88.065		
4,000.00	3,237.03	11,954.00	7,297.28	37.49	92.31	176.31	-2,864.84	-1,530.47	4,285.31	4,235.29	50.02	85.680		
4,100.00	3,298.80	11,954.00	7,297.28	38.93	92.31	176.31	-2,864.84	-1,530.47	4,203.32	4,152.86	50.45	83.309		
4,200.00	3,360.58	11,954.00	7,297.28	40.37	92.31	176.31	-2,864.84	-1,530.47	4,122.12	4,071.20	50.92	80.957		
4,300.00	3,422.35	11,954.00	7,297.28	41.82	92.31	176.31	-2,864.84	-1,530.47	4,041.76	3,990.36	51.40	78.627		
4,400.00	3,484.13	11,954.00	7,297.28	43.27	92.31	176.31	-2,864.84	-1,530.47	3,962.30	3,910.38	51.92	76.321		
4,500.00	3,545.90	11,954.00	7,297.28	44.72	92.31	176.31	-2,864.84	-1,530.47	3,883.79	3,831.33	52.45	74.043		
4,600.00	3,607.68	11,954.00	7,297.28	46.16	92.31	176.31	-2,864.84	-1,530.47	3,806.28	3,753.27	53.02	71.795		
4,700.00	3,669.46	11,954.00	7,297.28	47.61	92.31	176.31	-2,864.84	-1,530.47	3,729.85	3,676.24	53.61	69.580		
4,800.00	3,731.23	11,954.00	7,297.28	49.06	92.31	176.31	-2,864.84	-1,530.47	3,654.55	3,600.33	54.22	67.400		
4,900.00	3,793.01	11,954.00	7,297.28	50.52	92.31	176.31	-2,864.84	-1,530.47	3,580.47	3,525.60	54.87	65.258		
5,000.00	3,854.78	11,954.00	7,297.28	51.97	92.31	176.31	-2,864.84	-1,530.47	3,507.67	3,452.13	55.54	63.156		
5,100.00	3,916.56	11,954.00	7,297.28	53.42	92.31	176.31	-2,864.84	-1,530.47	3,436.24	3,379.99	56.24	61.096		
5,200.00	3,978.34	11,954.00	7,297.28	54.87	92.31	176.31	-2,864.84	-1,530.47	3,366.26	3,309.28	56.98	59.081		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	4,040.11	11,954.00	7,297.28	56.32	92.31	176.31	-2,864.84	-1,530.47	3,297.83	3,240.09	57.74	57.112		
5,400.00	4,101.89	11,954.00	7,297.28	57.78	92.31	176.31	-2,864.84	-1,530.47	3,231.05	3,172.51	58.54	55.193		
5,500.00	4,163.66	11,954.00	7,297.28	59.23	92.31	176.31	-2,864.84	-1,530.47	3,166.01	3,106.64	59.37	53.325		
5,600.00	4,225.44	11,938.15	7,297.44	60.69	92.04	176.46	-2,880.69	-1,530.53	3,102.80	3,042.78	60.03	51.690		
5,700.00	4,287.21	11,879.02	7,298.10	62.14	91.03	177.01	-2,939.81	-1,530.75	3,040.45	2,980.30	60.15	50.552		
5,800.00	4,348.99	11,811.45	7,299.25	63.60	89.87	177.67	-3,007.37	-1,530.82	2,978.80	2,918.62	60.19	49.492		
5,900.00	4,410.77	11,699.51	7,300.04	65.05	87.98	178.76	-3,119.28	-1,532.74	2,916.73	2,857.05	59.68	48.874		
6,000.00	4,472.54	11,612.00	7,300.25	66.51	86.51	179.61	-3,206.71	-1,536.49	2,854.80	2,795.28	59.53	47.958		
6,100.00	4,534.32	11,580.00	7,300.28	67.96	85.97	179.92	-3,238.68	-1,537.95	2,793.15	2,732.99	60.16	46.425		
6,200.00	4,596.09	11,545.20	7,300.87	69.42	85.39	-179.73	-3,273.43	-1,539.63	2,732.92	2,672.11	60.81	44.940		
6,300.00	4,657.87	11,381.58	7,301.89	70.88	82.65	-178.00	-3,436.87	-1,547.26	2,672.04	2,612.26	59.77	44.702		
6,400.00	4,719.64	11,247.67	7,298.77	72.33	80.42	-176.46	-3,570.60	-1,553.29	2,609.42	2,550.22	59.20	44.077		
6,500.00	4,781.42	11,211.31	7,297.81	73.79	79.82	-176.02	-3,606.91	-1,554.85	2,547.22	2,487.21	60.01	42.447		
6,600.00	4,843.20	11,169.00	7,297.20	75.25	79.12	-175.50	-3,649.18	-1,556.61	2,486.33	2,425.52	60.81	40.887		
6,700.00	4,904.97	11,137.00	7,297.11	76.71	78.58	-175.09	-3,681.16	-1,557.73	2,426.89	2,365.07	61.83	39.251		
6,800.00	4,966.75	11,079.89	7,297.86	78.16	77.63	-174.31	-3,738.25	-1,558.76	2,369.08	2,306.46	62.62	37.833		
6,900.00	5,028.52	10,988.88	7,298.50	79.62	76.11	-173.02	-3,829.25	-1,559.79	2,311.50	2,248.40	63.10	36.633		
7,000.00	5,090.30	10,883.00	7,297.99	81.08	74.34	-171.39	-3,935.13	-1,559.87	2,253.87	2,190.31	63.56	35.459		
7,100.00	5,152.08	10,833.14	7,297.54	82.54	73.50	-170.58	-3,984.99	-1,559.46	2,196.84	2,132.01	64.83	33.887		
7,200.00	5,213.85	10,789.31	7,297.60	83.99	72.77	-169.85	-4,028.82	-1,558.88	2,141.43	2,075.14	66.29	32.303		
7,300.00	5,275.63	10,696.38	7,297.71	85.45	71.22	-168.21	-4,121.70	-1,556.60	2,087.09	2,019.65	67.44	30.949		
7,400.00	5,337.40	10,644.20	7,297.37	86.91	70.34	-167.24	-4,173.86	-1,554.80	2,033.47	1,964.31	69.16	29.402		
7,500.00	5,399.18	10,582.73	7,297.98	88.37	69.32	-166.06	-4,235.29	-1,552.67	1,982.00	1,911.03	70.97	27.926		
7,600.00	5,460.95	10,478.30	7,298.07	89.83	67.59	-164.03	-4,339.71	-1,551.00	1,930.83	1,858.22	72.61	26.593		
7,700.00	5,522.73	10,426.59	7,297.84	91.29	66.74	-162.99	-4,391.40	-1,550.16	1,880.66	1,805.81	74.85	25.125		
7,800.00	5,584.51	10,357.81	7,298.16	92.75	65.60	-161.54	-4,460.16	-1,548.39	1,832.64	1,755.45	77.19	23.741		
7,900.00	5,646.28	10,267.69	7,297.37	94.20	64.11	-159.54	-4,550.22	-1,545.20	1,785.50	1,705.79	79.71	22.400		
8,000.00	5,708.06	10,229.26	7,297.00	95.66	63.48	-158.65	-4,588.61	-1,543.60	1,740.27	1,657.62	82.65	21.056		
8,100.00	5,769.83	10,188.40	7,297.46	97.12	62.81	-157.70	-4,629.43	-1,541.78	1,698.22	1,612.50	85.72	19.811		
8,200.00	5,831.61	10,086.71	7,298.05	98.58	61.14	-155.26	-4,731.03	-1,537.46	1,657.65	1,568.74	88.91	18.644		
8,300.00	5,893.39	10,032.46	7,298.20	100.04	60.26	-153.92	-4,785.23	-1,535.13	1,619.23	1,526.88	92.34	17.535		
8,400.00	5,955.16	9,932.63	7,298.72	101.50	58.64	-151.37	-4,884.96	-1,530.96	1,583.32	1,487.31	96.01	16.492		
8,500.00	6,016.94	9,860.07	7,297.60	102.96	57.47	-149.43	-4,957.42	-1,527.36	1,548.83	1,448.94	99.89	15.505		
8,600.00	6,078.71	9,805.00	7,296.75	104.42	56.58	-147.93	-5,012.41	-1,524.51	1,517.16	1,413.31	103.85	14.609		
8,700.00	6,140.49	9,750.72	7,296.83	105.88	55.71	-146.44	-5,066.63	-1,522.01	1,489.07	1,381.24	107.83	13.810		
8,800.00	6,202.26	9,678.00	7,297.64	107.34	54.55	-144.43	-5,139.28	-1,518.89	1,464.36	1,352.44	111.93	13.083		
8,900.00	6,264.04	9,597.29	7,297.74	108.80	53.28	-142.15	-5,219.90	-1,515.32	1,442.31	1,326.14	116.16	12.416		
9,000.00	6,325.82	9,525.71	7,297.40	110.26	52.15	-140.08	-5,291.42	-1,512.44	1,423.04	1,302.71	120.33	11.826		
9,100.00	6,387.59	9,466.93	7,297.84	111.72	51.24	-138.39	-5,360.16	-1,510.12	1,407.70	1,283.42	124.27	11.328		
9,200.00	6,449.37	9,387.24	7,298.06	113.18	50.00	-136.06	-5,429.78	-1,507.03	1,395.61	1,267.28	128.32	10.876		
9,300.00	6,511.14	9,303.47	7,296.92	114.64	48.72	-133.55	-5,513.49	-1,503.87	1,386.33	1,254.00	132.34	10.476		
9,400.00	6,572.92	9,220.48	7,295.02	116.10	47.45	-131.04	-5,596.39	-1,500.67	1,380.60	1,244.42	136.18	10.138		
9,493.90	6,630.93	9,171.00	7,294.43	117.47	46.71	-129.56	-5,645.84	-1,499.02	1,378.73	1,239.57	139.16	9.908 CC		
9,500.00	6,634.70	9,171.00	7,294.43	117.56	46.71	-129.56	-5,645.84	-1,499.02	1,378.74	1,239.44	139.30	9.898		
9,600.00	6,696.47	9,107.00	7,294.51	119.02	45.75	-127.66	-5,709.80	-1,496.76	1,381.22	1,238.94	142.28	9.708 ES		
9,700.00	6,758.22	9,063.71	7,295.04	120.48	45.11	-127.25	-5,753.05	-1,494.94	1,388.24	1,243.65	144.60	9.601		
9,800.00	6,817.23	8,991.03	7,295.70	122.00	44.04	-132.56	-5,825.63	-1,491.22	1,409.20	1,262.01	147.19	9.574 SF		
9,900.00	6,870.40	8,924.05	7,294.78	123.58	43.06	-137.24	-5,892.51	-1,487.89	1,448.89	1,299.40	149.50	9.692		
10,000.00	6,916.13	8,881.37	7,293.92	125.16	42.45	-142.15	-5,935.11	-1,485.49	1,506.57	1,355.49	151.08	9.972		
10,100.00	6,953.01	8,845.87	7,293.74	126.69	41.94	-147.27	-5,970.57	-1,483.66	1,579.24	1,426.99	152.25	10.372		
10,200.00	6,979.94	8,830.74	7,293.78	128.11	41.72	-154.77	-5,985.67	-1,482.82	1,663.78	1,510.90	152.87	10.883		
10,300.00	6,996.09	8,807.46	7,293.80	129.37	41.39	-166.87	-6,008.92	-1,481.51	1,756.47	1,602.93	153.54	11.439		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	7,001.00	8,807.25	7,293.80	130.45	41.39	162.75	-6,009.13	-1,481.50	1,853.74	1,699.97	153.78	12.055		
10,500.00	7,001.00	8,812.70	7,293.81	131.44	41.47	161.87	-6,003.68	-1,481.79	1,952.18	1,798.28	153.90	12.685		
10,600.00	7,001.00	8,830.46	7,293.78	132.48	41.72	159.05	-5,985.95	-1,482.81	2,050.70	1,896.90	153.80	13.334		
10,700.00	7,001.00	8,833.55	7,293.77	133.54	41.76	158.57	-5,982.87	-1,482.99	2,149.36	1,995.44	153.92	13.964		
10,800.00	7,001.00	8,836.50	7,293.77	134.64	41.80	158.11	-5,979.93	-1,483.15	2,248.13	2,094.10	154.03	14.595		
10,900.00	7,001.00	8,839.32	7,293.76	135.77	41.84	157.68	-5,977.11	-1,483.31	2,346.99	2,192.87	154.13	15.228		
11,000.00	7,001.00	8,842.02	7,293.75	136.94	41.88	157.26	-5,974.41	-1,483.46	2,445.94	2,291.73	154.21	15.861		
11,100.00	7,001.00	8,853.00	7,293.73	138.14	42.04	155.61	-5,963.45	-1,484.02	2,545.00	2,390.83	154.17	16.508		
11,200.00	7,001.00	8,853.00	7,293.73	139.38	42.04	155.61	-5,963.45	-1,484.02	2,644.08	2,489.81	154.27	17.139		
11,300.00	7,001.00	8,853.00	7,293.73	140.65	42.04	155.61	-5,963.45	-1,484.02	2,743.23	2,588.86	154.37	17.771		
11,400.00	7,001.00	8,853.00	7,293.73	141.95	42.04	155.61	-5,963.45	-1,484.02	2,842.43	2,687.98	154.45	18.403		
11,500.00	7,001.00	8,857.16	7,293.73	143.29	42.10	155.00	-5,959.29	-1,484.22	2,941.69	2,787.21	154.48	19.042		
11,600.00	7,001.00	8,866.76	7,293.76	144.66	42.24	153.61	-5,949.71	-1,484.71	3,040.99	2,886.55	154.44	19.690		
11,700.00	7,001.00	8,877.17	7,293.86	146.06	42.39	152.14	-5,939.31	-1,485.26	3,140.31	2,985.92	154.39	20.340		
11,800.00	7,001.00	8,888.51	7,294.05	147.50	42.55	150.59	-5,927.98	-1,485.89	3,239.65	3,085.33	154.32	20.993		
11,900.00	7,001.00	8,893.57	7,294.14	148.97	42.62	149.92	-5,922.94	-1,486.17	3,339.02	3,184.69	154.33	21.635		
12,000.00	7,001.00	8,900.26	7,294.27	150.47	42.72	149.04	-5,916.26	-1,486.55	3,438.42	3,284.10	154.32	22.281		
12,100.00	7,001.00	8,907.03	7,294.41	152.00	42.82	148.17	-5,909.50	-1,486.93	3,537.84	3,383.53	154.31	22.927		
12,200.00	7,001.00	8,913.90	7,294.56	153.57	42.92	147.31	-5,902.65	-1,487.33	3,637.28	3,482.99	154.29	23.574		
12,300.00	7,001.00	8,916.00	7,294.60	155.16	42.95	147.04	-5,900.55	-1,487.45	3,736.74	3,582.42	154.33	24.213		
12,400.00	7,001.00	8,916.00	7,294.60	156.79	42.95	147.04	-5,900.55	-1,487.45	3,836.23	3,681.85	154.38	24.849		
12,500.00	7,001.00	8,916.00	7,294.60	158.44	42.95	147.04	-5,900.55	-1,487.45	3,935.75	3,781.31	154.43	25.485		
12,600.00	7,001.00	8,916.00	7,294.60	160.13	42.95	147.04	-5,900.55	-1,487.45	4,035.29	3,880.80	154.48	26.121		
12,700.00	7,001.00	8,916.00	7,294.60	161.84	42.95	147.04	-5,900.55	-1,487.45	4,134.85	3,980.32	154.53	26.757		
12,800.00	7,001.00	8,916.00	7,294.60	163.58	42.95	147.04	-5,900.55	-1,487.45	4,234.43	4,079.85	154.58	27.394		
12,900.00	7,001.00	8,928.19	7,294.87	165.35	43.12	145.56	-5,888.38	-1,488.11	4,333.98	4,179.47	154.50	28.051		
13,000.00	7,001.00	8,929.78	7,294.90	167.14	43.15	145.37	-5,886.79	-1,488.19	4,433.58	4,279.05	154.53	28.690		
13,100.00	7,001.00	8,931.33	7,294.93	168.97	43.17	145.19	-5,885.25	-1,488.27	4,533.20	4,378.64	154.56	29.330		
13,200.00	7,001.00	8,932.82	7,294.96	170.81	43.19	145.01	-5,883.75	-1,488.34	4,632.84	4,478.25	154.59	29.969		
13,300.00	7,001.00	8,934.27	7,294.99	172.68	43.21	144.84	-5,882.31	-1,488.41	4,732.48	4,577.87	154.61	30.608		
13,400.00	7,001.00	8,935.68	7,295.02	174.58	43.23	144.68	-5,880.90	-1,488.48	4,832.15	4,677.51	154.64	31.248		
13,500.00	7,001.00	8,937.05	7,295.05	176.50	43.25	144.52	-5,879.54	-1,488.54	4,931.82	4,777.15	154.67	31.887		
13,600.00	7,001.00	8,960.57	7,295.41	178.44	43.59	141.86	-5,856.04	-1,489.63	5,031.53	4,877.04	154.50	32.567		
13,700.00	7,001.00	8,965.67	7,295.47	180.41	43.67	141.31	-5,850.95	-1,489.89	5,131.21	4,976.71	154.49	33.213		
13,800.00	7,001.00	8,992.38	7,295.70	182.39	44.06	138.55	-5,824.28	-1,491.29	5,230.84	5,076.54	154.30	33.900		
13,900.00	7,001.00	8,993.94	7,295.70	184.40	44.08	138.39	-5,822.72	-1,491.38	5,330.51	5,176.18	154.33	34.540		
14,000.00	7,001.00	8,995.46	7,295.71	186.43	44.10	138.24	-5,821.20	-1,491.45	5,430.19	5,275.84	154.36	35.179		
14,100.00	7,001.00	8,996.94	7,295.71	188.48	44.12	138.10	-5,819.72	-1,491.53	5,529.88	5,375.50	154.38	35.819		
14,200.00	7,001.00	8,998.38	7,295.71	190.54	44.15	137.96	-5,818.29	-1,491.60	5,629.58	5,475.17	154.41	36.459		
14,300.00	7,001.00	8,999.78	7,295.71	192.63	44.17	137.82	-5,816.89	-1,491.67	5,729.29	5,574.85	154.44	37.098		
14,400.00	7,001.00	9,013.77	7,295.65	194.73	44.37	136.48	-5,802.91	-1,492.33	5,829.04	5,674.68	154.36	37.762		
14,500.00	7,001.00	9,018.96	7,295.60	196.85	44.45	135.99	-5,797.73	-1,492.59	5,928.76	5,774.40	154.36	38.409		
14,600.00	7,001.00	9,024.15	7,295.54	198.99	44.52	135.51	-5,792.54	-1,492.86	6,028.47	5,874.12	154.36	39.056		
14,700.00	7,001.00	9,054.85	7,295.17	201.14	44.98	132.83	-5,761.89	-1,494.47	6,128.19	5,974.03	154.16	39.752		
14,800.00	7,001.00	9,056.87	7,295.14	203.31	45.01	132.66	-5,759.87	-1,494.58	6,227.89	6,073.71	154.18	40.393		
14,900.00	7,001.00	9,058.85	7,295.11	205.50	45.04	132.50	-5,757.90	-1,494.68	6,327.61	6,173.40	154.21	41.033		
15,000.00	7,001.00	9,060.78	7,295.08	207.70	45.07	132.34	-5,755.97	-1,494.79	6,427.33	6,273.10	154.23	41.673		
15,100.00	7,001.00	9,062.68	7,295.05	209.91	45.09	132.18	-5,754.07	-1,494.89	6,527.06	6,372.80	154.25	42.314		
15,200.00	7,001.00	9,064.54	7,295.03	212.14	45.12	132.03	-5,752.21	-1,494.98	6,626.79	6,472.51	154.28	42.954		
15,300.00	7,001.00	9,075.00	7,294.88	214.38	45.28	131.19	-5,741.77	-1,495.51	6,726.55	6,572.31	154.24	43.611		
15,400.00	7,001.00	9,075.00	7,294.88	216.64	45.28	131.19	-5,741.77	-1,495.51	6,826.29	6,672.01	154.28	44.247		
15,500.00	7,001.00	9,075.00	7,294.88	218.90	45.28	131.19	-5,741.77	-1,495.51	6,926.04	6,771.72	154.31	44.883		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
15,600.00	7,001.00	9,075.00	7,294.88	221.18	45.28	131.19	-5,741.77	-1,495.51	7,025.79	6,871.44	154.35	45.519		
15,700.00	7,001.00	9,075.00	7,294.88	223.47	45.28	131.19	-5,741.77	-1,495.51	7,125.56	6,971.17	154.39	46.154		
15,800.00	7,001.00	9,075.00	7,294.88	225.78	45.28	131.19	-5,741.77	-1,495.51	7,225.32	7,070.90	154.42	46.790		
15,900.00	7,001.00	9,075.00	7,294.88	228.09	45.28	131.19	-5,741.77	-1,495.51	7,325.10	7,170.64	154.46	47.425		
16,000.00	7,001.00	9,075.00	7,294.88	230.41	45.28	131.19	-5,741.77	-1,495.51	7,424.88	7,270.39	154.49	48.060		
16,100.00	7,001.00	9,075.00	7,294.88	232.75	45.28	131.19	-5,741.77	-1,495.51	7,524.67	7,370.14	154.52	48.695		
16,200.00	7,001.00	9,075.00	7,294.88	235.09	45.28	131.19	-5,741.77	-1,495.51	7,624.46	7,469.90	154.56	49.330		
16,300.00	7,001.00	9,075.00	7,294.88	237.45	45.28	131.19	-5,741.77	-1,495.51	7,724.26	7,569.67	154.59	49.965		
16,400.00	7,001.00	9,075.00	7,294.88	239.81	45.28	131.19	-5,741.77	-1,495.51	7,824.06	7,669.44	154.63	50.600		
16,500.00	7,001.00	9,075.00	7,294.88	242.18	45.28	131.19	-5,741.77	-1,495.51	7,923.87	7,769.21	154.66	51.234		
16,600.00	7,001.00	9,075.00	7,294.88	244.56	45.28	131.19	-5,741.77	-1,495.51	8,023.69	7,868.99	154.69	51.868		
16,700.00	7,001.00	9,075.00	7,294.88	246.95	45.28	131.19	-5,741.77	-1,495.51	8,123.50	7,968.78	154.73	52.502		
16,800.00	7,001.00	9,075.00	7,294.88	249.35	45.28	131.19	-5,741.77	-1,495.51	8,223.33	8,068.57	154.76	53.136		
16,900.00	7,001.00	9,075.00	7,294.88	251.75	45.28	131.19	-5,741.77	-1,495.51	8,323.15	8,168.36	154.79	53.770		
17,000.00	7,001.00	9,075.00	7,294.88	254.17	45.28	131.19	-5,741.77	-1,495.51	8,422.98	8,268.16	154.83	54.403		
17,100.00	7,001.00	9,075.00	7,294.88	256.59	45.28	131.19	-5,741.77	-1,495.51	8,522.82	8,367.96	154.86	55.036		
17,200.00	7,001.00	9,075.00	7,294.88	259.01	45.28	131.19	-5,741.77	-1,495.51	8,622.66	8,467.76	154.89	55.669		
17,300.00	7,001.00	9,075.00	7,294.88	261.45	45.28	131.19	-5,741.77	-1,495.51	8,722.50	8,567.57	154.92	56.302		
17,400.00	7,001.00	9,075.00	7,294.88	263.89	45.28	131.19	-5,741.77	-1,495.51	8,822.34	8,667.39	154.96	56.934		
17,500.00	7,001.00	9,075.00	7,294.88	266.34	45.28	131.19	-5,741.77	-1,495.51	8,922.19	8,767.20	154.99	57.567		
17,600.00	7,001.00	9,088.97	7,294.70	268.79	45.48	130.12	-5,727.82	-1,496.13	9,021.97	8,867.04	154.94	58.229		
17,700.00	7,001.00	9,089.61	7,294.69	271.25	45.49	130.07	-5,727.18	-1,496.16	9,121.82	8,966.86	154.97	58.862		
17,800.00	7,001.00	9,090.24	7,294.68	273.72	45.50	130.02	-5,726.55	-1,496.18	9,221.68	9,066.68	155.00	59.495		
17,900.00	7,001.00	9,090.86	7,294.68	276.19	45.51	129.98	-5,725.93	-1,496.21	9,321.53	9,166.50	155.03	60.128		
18,000.00	7,001.00	9,091.46	7,294.67	278.67	45.52	129.93	-5,725.32	-1,496.23	9,421.39	9,266.33	155.06	60.761		
18,100.00	7,001.00	9,092.06	7,294.66	281.15	45.53	129.89	-5,724.73	-1,496.25	9,521.25	9,366.16	155.09	61.393		
18,200.00	7,001.00	9,092.64	7,294.66	283.64	45.54	132.98	-5,724.15	-1,496.28	9,621.11	9,466.00	155.12	62.025		
18,300.00	7,001.00	9,092.90	7,294.65	286.15	45.54	178.75	-5,723.89	-1,496.29	9,721.04	9,565.89	155.14	62.659		
18,400.00	7,001.00	9,092.66	7,294.66	288.68	45.54	-133.83	-5,724.13	-1,496.28	9,820.96	9,665.80	155.17	63.293		
18,500.00	7,001.00	9,092.01	7,294.66	291.24	45.53	-124.78	-5,724.77	-1,496.25	9,920.81	9,765.63	155.19	63.929		
18,600.00	7,001.00	9,091.35	7,294.67	293.80	45.52	-124.74	-5,725.44	-1,496.23	10,020.65	9,865.45	155.21	64.564		
18,700.00	7,001.00	9,090.70	7,294.68	296.36	45.51	-124.70	-5,726.09	-1,496.20	10,120.50	9,965.27	155.23	65.199		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	-165.05	-2,867.70	-765.96	7,747.46					
100.00	100.00	11,813.00	7,128.31	0.27	92.16	-165.05	-2,867.70	-765.96	7,655.19	7,613.30	41.89	182.763		
200.00	200.00	11,813.00	7,128.31	0.63	92.16	-165.05	-2,867.70	-765.96	7,563.11	7,521.23	41.88	180.575		
300.00	300.00	11,813.00	7,128.31	0.99	92.16	-165.05	-2,867.70	-765.96	7,471.24	7,429.34	41.90	178.332		
400.00	399.98	11,813.00	7,128.31	1.33	92.16	-11.31	-2,867.70	-765.96	7,378.90	7,336.97	41.93	175.972		
500.00	499.84	11,813.00	7,128.31	1.67	92.16	-12.38	-2,867.70	-765.96	7,285.49	7,243.50	41.99	173.501		
600.00	599.45	11,813.00	7,128.31	2.03	92.16	-13.67	-2,867.70	-765.96	7,191.06	7,149.01	42.05	170.992		
700.00	698.70	11,813.00	7,128.31	2.41	92.16	-15.25	-2,867.70	-765.96	7,095.71	7,053.59	42.12	168.457		
800.00	797.47	11,813.00	7,128.31	2.81	92.16	-17.23	-2,867.70	-765.96	6,999.50	6,957.31	42.19	165.903		
900.00	895.62	11,813.00	7,128.31	3.25	92.16	-19.74	-2,867.70	-765.96	6,902.53	6,860.27	42.26	163.338		
1,000.00	993.06	11,813.00	7,128.31	3.72	92.16	-23.05	-2,867.70	-765.96	6,804.89	6,762.56	42.33	160.769		
1,100.00	1,089.64	11,813.00	7,128.31	4.23	92.16	-27.54	-2,867.70	-765.96	6,706.65	6,664.26	42.39	158.201		
1,200.00	1,185.27	11,813.00	7,128.31	4.78	92.16	-33.88	-2,867.70	-765.96	6,607.93	6,565.47	42.46	155.638		
1,300.00	1,279.82	11,813.00	7,128.31	5.38	92.16	-43.17	-2,867.70	-765.96	6,508.81	6,466.29	42.52	153.084		
1,400.00	1,373.17	11,813.00	7,128.31	6.03	92.16	-57.07	-2,867.70	-765.96	6,409.42	6,366.84	42.58	150.543		
1,500.00	1,465.21	11,813.00	7,128.31	6.72	92.16	-76.76	-2,867.70	-765.96	6,309.84	6,267.22	42.63	148.017		
1,600.00	1,555.84	11,813.00	7,128.31	7.47	92.16	-99.71	-2,867.70	-765.96	6,210.22	6,167.54	42.68	145.507		
1,700.00	1,644.94	11,813.00	7,128.31	8.27	92.16	-119.71	-2,867.70	-765.96	6,110.65	6,067.93	42.73	143.013		
1,800.00	1,732.39	11,813.00	7,128.31	9.12	92.16	-133.92	-2,867.70	-765.96	6,011.28	5,968.51	42.77	140.535		
1,900.00	1,818.11	11,813.00	7,128.31	10.02	92.16	-143.43	-2,867.70	-765.96	5,912.24	5,869.42	42.82	138.071		
2,000.00	1,901.97	11,813.00	7,128.31	10.98	92.16	-149.89	-2,867.70	-765.96	5,813.66	5,770.79	42.87	135.618		
2,100.00	1,983.88	11,813.00	7,128.31	11.98	92.16	-154.45	-2,867.70	-765.96	5,715.69	5,672.77	42.92	133.171		
2,200.00	2,063.74	11,813.00	7,128.31	13.04	92.16	-157.81	-2,867.70	-765.96	5,618.49	5,575.51	42.98	130.724		
2,300.00	2,141.45	11,813.00	7,128.31	14.14	92.16	-160.35	-2,867.70	-765.96	5,522.22	5,479.17	43.05	128.269		
2,400.00	2,216.92	11,813.00	7,128.31	15.30	92.16	-162.33	-2,867.70	-765.96	5,427.06	5,383.91	43.14	125.797		
2,500.00	2,290.05	11,813.00	7,128.31	16.50	92.16	-163.92	-2,867.70	-765.96	5,333.17	5,289.91	43.25	123.298		
2,600.00	2,360.76	11,813.00	7,128.31	17.76	92.16	-165.21	-2,867.70	-765.96	5,240.74	5,197.34	43.40	120.763		
2,700.00	2,428.95	11,813.00	7,128.31	19.05	92.16	-166.28	-2,867.70	-765.96	5,149.97	5,106.39	43.58	118.184		
2,800.00	2,494.55	11,813.00	7,128.31	20.39	92.16	-167.17	-2,867.70	-765.96	5,061.06	5,017.26	43.80	115.553		
2,900.00	2,557.49	11,813.00	7,128.31	21.78	92.16	-167.87	-2,867.70	-765.96	4,974.22	4,930.16	44.07	112.884		
3,000.00	2,619.27	11,813.00	7,128.31	23.18	92.16	-167.87	-2,867.70	-765.96	4,888.63	4,844.23	44.40	110.103		
3,100.00	2,681.04	11,813.00	7,128.31	24.60	92.16	-167.87	-2,867.70	-765.96	4,803.60	4,758.82	44.78	107.281		
3,200.00	2,742.82	11,813.00	7,128.31	26.02	92.16	-167.87	-2,867.70	-765.96	4,719.15	4,673.96	45.19	104.432		
3,300.00	2,804.59	11,813.00	7,128.31	27.44	92.16	-167.87	-2,867.70	-765.96	4,635.32	4,589.68	45.64	101.565		
3,400.00	2,866.37	11,813.00	7,128.31	28.87	92.16	-167.87	-2,867.70	-765.96	4,552.14	4,506.02	46.12	98.692		
3,500.00	2,928.15	11,813.00	7,128.31	30.30	92.16	-167.87	-2,867.70	-765.96	4,469.65	4,423.01	46.65	95.820		
3,600.00	2,989.92	11,813.00	7,128.31	31.73	92.16	-167.87	-2,867.70	-765.96	4,387.89	4,340.69	47.20	92.957		
3,700.00	3,051.70	11,813.00	7,128.31	33.17	92.16	-167.87	-2,867.70	-765.96	4,306.91	4,259.11	47.80	90.109		
3,800.00	3,113.47	11,813.00	7,128.31	34.61	92.16	-167.87	-2,867.70	-765.96	4,226.73	4,178.31	48.43	87.284		
3,900.00	3,175.25	11,813.00	7,128.31	36.05	92.16	-167.87	-2,867.70	-765.96	4,147.42	4,098.33	49.09	84.486		
4,000.00	3,237.03	11,813.00	7,128.31	37.49	92.16	-167.87	-2,867.70	-765.96	4,069.02	4,019.22	49.79	81.719		
4,100.00	3,298.80	11,813.00	7,128.31	38.93	92.16	-167.87	-2,867.70	-765.96	3,991.58	3,941.05	50.53	78.989		
4,200.00	3,360.58	11,813.00	7,128.31	40.37	92.16	-167.87	-2,867.70	-765.96	3,915.17	3,863.85	51.31	76.299		
4,300.00	3,422.35	11,813.00	7,128.31	41.82	92.16	-167.87	-2,867.70	-765.96	3,839.84	3,787.70	52.13	73.653		
4,400.00	3,484.13	11,813.00	7,128.31	43.27	92.16	-167.87	-2,867.70	-765.96	3,765.66	3,712.66	53.00	71.055		
4,500.00	3,545.90	11,813.00	7,128.31	44.72	92.16	-167.87	-2,867.70	-765.96	3,692.69	3,638.79	53.90	68.508		
4,600.00	3,607.68	11,813.00	7,128.31	46.16	92.16	-167.87	-2,867.70	-765.96	3,621.02	3,566.17	54.85	66.015		
4,700.00	3,669.46	11,813.00	7,128.31	47.61	92.16	-167.87	-2,867.70	-765.96	3,550.72	3,494.87	55.85	63.580		
4,800.00	3,731.23	11,813.00	7,128.31	49.06	92.16	-167.87	-2,867.70	-765.96	3,481.87	3,424.98	56.89	61.205		
4,900.00	3,793.01	11,813.00	7,128.31	50.52	92.16	-167.87	-2,867.70	-765.96	3,414.56	3,356.59	57.98	58.894		
5,000.00	3,854.78	11,813.00	7,128.31	51.97	92.16	-167.87	-2,867.70	-765.96	3,348.89	3,289.77	59.12	56.649		
5,100.00	3,916.56	11,813.00	7,128.31	53.42	92.16	-167.87	-2,867.70	-765.96	3,284.95	3,224.64	60.30	54.473		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	3,978.34	11,813.00	7,128.31	54.87	92.16	-167.87	-2,867.70	-765.96	3,222.84	3,161.30	61.54	52.370		
5,300.00	4,040.11	11,813.00	7,128.31	56.32	92.16	-167.87	-2,867.70	-765.96	3,162.68	3,099.85	62.83	50.340		
5,400.00	4,101.89	11,813.00	7,128.31	57.78	92.16	-167.87	-2,867.70	-765.96	3,104.57	3,040.41	64.16	48.387		
5,500.00	4,163.66	11,813.00	7,128.31	59.23	92.16	-167.87	-2,867.70	-765.96	3,048.63	2,983.09	65.54	46.513		
5,600.00	4,225.44	11,813.00	7,128.31	60.69	92.16	-167.87	-2,867.70	-765.96	2,994.99	2,928.02	66.97	44.719		
5,700.00	4,287.21	11,762.84	7,129.36	62.14	91.30	-167.26	-2,917.85	-765.43	2,943.34	2,875.28	68.07	43.243		
5,800.00	4,348.99	11,645.98	7,130.23	63.60	89.30	-165.73	-3,034.64	-761.72	2,891.93	2,823.13	68.80	42.032		
5,900.00	4,410.77	11,562.35	7,130.72	65.05	87.87	-164.65	-3,118.26	-762.03	2,840.64	2,770.82	69.82	40.687		
6,000.00	4,472.54	11,466.29	7,131.02	66.51	86.24	-163.40	-3,214.30	-763.53	2,789.74	2,718.93	70.82	39.394		
6,100.00	4,534.32	11,409.00	7,131.18	67.96	85.27	-162.63	-3,271.59	-764.59	2,739.58	2,667.38	72.19	37.949		
6,200.00	4,596.09	11,326.20	7,131.61	69.42	83.87	-161.52	-3,354.34	-766.92	2,690.23	2,616.77	73.46	36.622		
6,300.00	4,657.87	11,228.78	7,131.96	70.88	82.23	-160.18	-3,451.69	-770.77	2,641.43	2,566.73	74.70	35.360		
6,400.00	4,719.64	11,139.34	7,131.64	72.33	80.73	-158.93	-3,541.00	-775.50	2,592.65	2,516.57	76.08	34.076		
6,500.00	4,781.42	11,083.97	7,131.74	73.79	79.81	-158.16	-3,596.26	-778.98	2,544.96	2,467.17	77.79	32.714		
6,600.00	4,843.20	11,019.79	7,132.40	75.25	78.74	-157.24	-3,660.30	-783.19	2,498.69	2,419.17	79.52	31.422		
6,700.00	4,904.97	10,966.00	7,133.22	76.71	77.84	-156.46	-3,713.97	-786.64	2,453.79	2,372.38	81.41	30.141		
6,800.00	4,966.75	10,883.95	7,134.94	78.16	76.47	-155.22	-3,795.90	-790.62	2,410.89	2,327.65	83.24	28.963		
6,900.00	5,028.52	10,792.99	7,135.44	79.62	74.97	-153.82	-3,886.69	-796.20	2,367.53	2,282.42	85.11	27.818		
7,000.00	5,090.30	10,702.91	7,136.10	81.08	73.48	-152.40	-3,976.55	-802.45	2,325.29	2,238.23	87.06	26.708		
7,100.00	5,152.08	10,611.02	7,135.83	82.54	71.97	-150.90	-4,068.24	-808.33	2,283.83	2,194.67	89.15	25.617		
7,200.00	5,213.85	10,543.95	7,135.73	83.99	70.87	-149.79	-4,135.11	-813.58	2,243.23	2,151.78	91.45	24.529		
7,300.00	5,275.63	10,502.15	7,135.23	85.45	70.18	-149.06	-4,176.86	-815.45	2,204.62	2,110.58	94.04	23.444		
7,400.00	5,337.40	10,447.52	7,134.34	86.91	69.28	-148.05	-4,231.48	-816.05	2,168.52	2,071.81	96.71	22.423		
7,500.00	5,399.18	10,409.73	7,133.80	88.37	68.65	-147.34	-4,269.27	-816.15	2,134.76	2,035.28	99.48	21.459		
7,600.00	5,460.95	10,346.39	7,133.09	89.83	67.60	-146.12	-4,332.59	-814.98	2,103.79	2,001.48	102.31	20.562		
7,700.00	5,522.73	10,308.66	7,132.80	91.29	66.98	-145.38	-4,370.31	-814.07	2,075.31	1,970.14	105.18	19.732		
7,800.00	5,584.51	10,224.21	7,131.33	92.75	65.58	-143.67	-4,454.68	-810.81	2,049.00	1,940.81	108.19	18.939		
7,900.00	5,646.28	10,178.68	7,130.40	94.20	64.83	-142.72	-4,500.12	-808.08	2,025.68	1,914.52	111.16	18.223		
8,000.00	5,708.06	10,139.77	7,130.40	95.66	64.19	-141.93	-4,538.99	-806.31	2,005.31	1,891.27	114.04	17.585		
8,100.00	5,769.83	10,037.84	7,130.44	97.12	62.51	-139.82	-4,640.81	-801.94	1,987.12	1,869.98	117.13	16.964		
8,200.00	5,831.61	9,969.75	7,129.63	98.58	61.40	-138.38	-4,708.80	-798.28	1,971.42	1,851.30	120.13	16.411		
8,300.00	5,893.39	9,889.00	7,128.25	100.04	60.09	-136.66	-4,789.44	-794.32	1,957.87	1,834.72	123.14	15.899		
8,400.00	5,955.16	9,852.14	7,127.61	101.50	59.49	-135.87	-4,826.25	-792.45	1,947.09	1,821.26	125.83	15.473		
8,500.00	6,016.94	9,738.59	7,126.36	102.96	57.66	-133.42	-4,939.61	-786.14	1,939.88	1,810.96	128.92	15.047		
8,600.00	6,078.71	9,633.13	7,125.27	104.42	55.97	-131.18	-5,045.01	-783.35	1,933.59	1,801.79	131.80	14.671		
8,700.00	6,140.49	9,572.00	7,125.18	105.88	55.00	-129.90	-5,106.14	-783.70	1,928.20	1,793.91	134.30	14.358		
8,787.74	6,194.69	9,541.00	7,125.50	107.16	54.51	-129.26	-5,137.13	-783.30	1,926.80	1,790.55	136.25	14.142 CC		
8,800.00	6,202.26	9,541.00	7,125.50	107.34	54.51	-129.26	-5,137.13	-783.30	1,926.84	1,790.36	136.48	14.118		
8,900.00	6,264.04	9,434.05	7,126.17	108.80	52.84	-127.02	-5,244.07	-782.43	1,927.37	1,788.37	139.00	13.866 ES		
9,000.00	6,325.82	9,384.75	7,126.22	110.26	52.07	-125.98	-5,293.36	-781.45	1,931.18	1,790.16	141.02	13.694		
9,100.00	6,387.59	9,305.77	7,126.51	111.72	50.84	-124.33	-5,372.33	-780.26	1,937.44	1,794.35	143.09	13.540		
9,200.00	6,449.37	9,191.00	7,126.59	113.18	49.08	-121.95	-5,487.09	-780.82	1,944.53	1,799.26	145.26	13.386		
9,300.00	6,511.14	9,139.42	7,126.36	114.64	48.30	-120.88	-5,538.67	-780.85	1,954.59	1,807.73	146.86	13.310		
9,400.00	6,572.92	9,076.73	7,125.78	116.10	47.35	-119.58	-5,601.36	-780.27	1,967.70	1,819.34	148.36	13.263		
9,500.00	6,634.70	9,029.18	7,125.48	117.56	46.64	-118.60	-5,648.89	-779.53	1,983.77	1,834.20	149.56	13.264		
9,600.00	6,696.47	8,927.79	7,125.56	119.02	45.14	-116.54	-5,750.28	-778.73	2,001.76	1,850.69	151.07	13.250 SF		
9,700.00	6,758.22	8,885.67	7,125.71	120.48	44.52	-116.57	-5,792.40	-778.31	2,022.40	1,870.50	151.90	13.314		
9,800.00	6,817.23	8,810.00	7,126.38	122.00	43.42	-122.39	-5,868.06	-777.58	2,055.25	1,902.32	152.93	13.439		
9,900.00	6,870.40	8,779.00	7,126.65	123.58	42.97	-128.18	-5,899.05	-776.82	2,106.43	1,952.99	153.45	13.727		
10,000.00	6,916.13	8,727.76	7,127.19	125.16	42.24	-132.56	-5,950.27	-775.33	2,173.45	2,019.36	154.09	14.105		
10,100.00	6,953.01	8,672.35	7,128.33	126.69	41.45	-136.07	-6,005.64	-774.30	2,252.73	2,098.02	154.71	14.561		
10,200.00	6,979.94	8,652.00	7,128.86	128.11	41.16	-140.98	-6,025.98	-773.75	2,342.08	2,187.14	154.95	15.115		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	6,996.09	8,652.00	7,128.86	129.37	41.16	-152.09	-6,025.98	-773.75	2,437.98	2,283.02	154.96	15.733		
10,400.00	7,001.00	8,652.00	7,128.86	130.45	41.16	151.85	-6,025.98	-773.75	2,537.19	2,382.21	154.98	16.371		
10,500.00	7,001.00	8,652.00	7,128.86	131.44	41.16	151.85	-6,025.98	-773.75	2,636.96	2,481.94	155.02	17.010		
10,600.00	7,001.00	8,652.00	7,128.86	132.48	41.16	151.85	-6,025.98	-773.75	2,736.74	2,581.69	155.05	17.650		
10,700.00	7,001.00	8,652.00	7,128.86	133.54	41.16	151.85	-6,025.98	-773.75	2,836.54	2,681.45	155.09	18.290		
10,800.00	7,001.00	8,652.00	7,128.86	134.64	41.16	151.85	-6,025.98	-773.75	2,936.35	2,781.23	155.12	18.930		
10,900.00	7,001.00	8,652.00	7,128.86	135.77	41.16	151.85	-6,025.98	-773.75	3,036.18	2,881.03	155.15	19.570		
11,000.00	7,001.00	8,652.00	7,128.86	136.94	41.16	151.85	-6,025.98	-773.75	3,136.01	2,980.84	155.17	20.210		
11,100.00	7,001.00	8,652.00	7,128.86	138.14	41.16	151.85	-6,025.98	-773.75	3,235.86	3,080.66	155.20	20.850		
11,200.00	7,001.00	8,652.00	7,128.86	139.38	41.16	151.85	-6,025.98	-773.75	3,335.71	3,180.49	155.22	21.490		
11,300.00	7,001.00	8,664.20	7,128.55	140.65	41.33	148.43	-6,013.79	-774.13	3,435.49	3,280.35	155.14	22.145		
11,400.00	7,001.00	8,664.83	7,128.53	141.95	41.34	148.26	-6,013.16	-774.14	3,535.35	3,380.19	155.16	22.786		
11,500.00	7,001.00	8,665.43	7,128.52	143.29	41.35	148.10	-6,012.56	-774.16	3,635.22	3,480.05	155.17	23.427		
11,600.00	7,001.00	8,666.01	7,128.50	144.66	41.36	147.94	-6,011.99	-774.17	3,735.09	3,579.90	155.19	24.068		
11,700.00	7,001.00	8,666.56	7,128.49	146.06	41.37	147.79	-6,011.43	-774.18	3,834.98	3,679.77	155.21	24.709		
11,800.00	7,001.00	8,667.09	7,128.47	147.50	41.38	147.65	-6,010.91	-774.20	3,934.87	3,779.64	155.22	25.349		
11,900.00	7,001.00	8,667.60	7,128.46	148.97	41.38	147.52	-6,010.40	-774.21	4,034.76	3,879.52	155.24	25.990		
12,000.00	7,001.00	8,668.09	7,128.45	150.47	41.39	147.39	-6,009.91	-774.22	4,134.66	3,979.40	155.26	26.631		
12,100.00	7,001.00	8,668.56	7,128.43	152.00	41.40	147.26	-6,009.44	-774.23	4,234.56	4,079.28	155.27	27.271		
12,200.00	7,001.00	8,669.01	7,128.42	153.57	41.40	147.14	-6,008.98	-774.24	4,334.47	4,179.17	155.29	27.912		
12,300.00	7,001.00	8,669.45	7,128.41	155.16	41.41	147.03	-6,008.55	-774.25	4,434.38	4,279.07	155.31	28.552		
12,400.00	7,001.00	8,669.87	7,128.40	156.79	41.41	146.91	-6,008.13	-774.25	4,534.29	4,378.97	155.32	29.193		
12,500.00	7,001.00	8,670.27	7,128.39	158.44	41.42	146.81	-6,007.72	-774.26	4,634.21	4,478.87	155.34	29.833		
12,600.00	7,001.00	8,670.67	7,128.38	160.13	41.43	146.71	-6,007.33	-774.27	4,734.13	4,578.78	155.35	30.473		
12,700.00	7,001.00	8,684.00	7,127.99	161.84	41.61	143.34	-5,994.00	-774.45	4,834.15	4,678.88	155.27	31.134		
12,800.00	7,001.00	8,684.00	7,127.99	163.58	41.61	143.34	-5,994.00	-774.45	4,934.07	4,778.78	155.29	31.773		
12,900.00	7,001.00	8,684.00	7,127.99	165.35	41.61	143.34	-5,994.00	-774.45	5,034.00	4,878.69	155.31	32.413		
13,000.00	7,001.00	8,684.00	7,127.99	167.14	41.61	143.34	-5,994.00	-774.45	5,133.92	4,978.59	155.33	33.052		
13,100.00	7,001.00	8,684.00	7,127.99	168.97	41.61	143.34	-5,994.00	-774.45	5,233.85	5,078.51	155.35	33.691		
13,200.00	7,001.00	8,684.00	7,127.99	170.81	41.61	143.34	-5,994.00	-774.45	5,333.79	5,178.42	155.37	34.330		
13,300.00	7,001.00	8,684.00	7,127.99	172.68	41.61	143.34	-5,994.00	-774.45	5,433.72	5,278.34	155.39	34.969		
13,400.00	7,001.00	8,684.00	7,127.99	174.58	41.61	143.34	-5,994.00	-774.45	5,533.66	5,378.26	155.41	35.608		
13,500.00	7,001.00	8,684.00	7,127.99	176.50	41.61	143.34	-5,994.00	-774.45	5,633.60	5,478.18	155.42	36.247		
13,600.00	7,001.00	8,684.00	7,127.99	178.44	41.61	143.34	-5,994.00	-774.45	5,733.54	5,578.10	155.44	36.885		
13,700.00	7,001.00	8,684.00	7,127.99	180.41	41.61	143.34	-5,994.00	-774.45	5,833.49	5,678.02	155.46	37.523		
13,800.00	7,001.00	8,684.00	7,127.99	182.39	41.61	143.34	-5,994.00	-774.45	5,933.43	5,777.95	155.48	38.162		
13,900.00	7,001.00	8,685.10	7,127.97	184.40	41.63	143.07	-5,992.90	-774.46	6,033.38	5,877.89	155.49	38.802		
14,000.00	7,001.00	8,776.30	7,126.68	186.43	42.93	126.51	-5,901.74	-776.74	6,133.31	5,978.43	154.88	39.601		
14,100.00	7,001.00	8,779.00	7,126.65	188.48	42.97	126.15	-5,899.05	-776.82	6,233.22	6,078.34	154.88	40.244		
14,200.00	7,001.00	8,779.00	7,126.65	190.54	42.97	126.15	-5,899.05	-776.82	6,333.14	6,178.23	154.91	40.883		
14,300.00	7,001.00	8,779.00	7,126.65	192.63	42.97	126.15	-5,899.05	-776.82	6,433.05	6,278.12	154.93	41.522		
14,400.00	7,001.00	8,779.00	7,126.65	194.73	42.97	126.15	-5,899.05	-776.82	6,532.97	6,378.02	154.95	42.161		
14,500.00	7,001.00	8,779.00	7,126.65	196.85	42.97	126.15	-5,899.05	-776.82	6,632.89	6,477.92	154.98	42.799		
14,600.00	7,001.00	8,779.00	7,126.65	198.99	42.97	126.15	-5,899.05	-776.82	6,732.82	6,577.82	155.00	43.438		
14,700.00	7,001.00	8,779.00	7,126.65	201.14	42.97	126.15	-5,899.05	-776.82	6,832.74	6,677.72	155.02	44.076		
14,800.00	7,001.00	8,779.00	7,126.65	203.31	42.97	126.15	-5,899.05	-776.82	6,932.67	6,777.63	155.05	44.714		
14,900.00	7,001.00	8,779.00	7,126.65	205.50	42.97	126.15	-5,899.05	-776.82	7,032.60	6,877.53	155.07	45.351		
15,000.00	7,001.00	8,779.00	7,126.65	207.70	42.97	126.15	-5,899.05	-776.82	7,132.53	6,977.44	155.09	45.989		
15,100.00	7,001.00	8,779.00	7,126.65	209.91	42.97	126.15	-5,899.05	-776.82	7,232.47	7,077.35	155.12	46.626		
15,200.00	7,001.00	8,779.00	7,126.65	212.14	42.97	126.15	-5,899.05	-776.82	7,332.41	7,177.27	155.14	47.264		
15,300.00	7,001.00	8,779.00	7,126.65	214.38	42.97	126.15	-5,899.05	-776.82	7,432.34	7,277.18	155.16	47.901		
15,400.00	7,001.00	8,779.00	7,126.65	216.64	42.97	126.15	-5,899.05	-776.82	7,532.28	7,377.10	155.18	48.537		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	8,779.00	7,126.65	218.90	42.97	126.15	-5,899.05	-776.82	7,632.22	7,477.02	155.21	49.174	
15,600.00	7,001.00	8,779.00	7,126.65	221.18	42.97	126.15	-5,899.05	-776.82	7,732.17	7,576.93	155.23	49.811	
15,700.00	7,001.00	8,779.00	7,126.65	223.47	42.97	126.15	-5,899.05	-776.82	7,832.11	7,676.86	155.25	50.447	
15,800.00	7,001.00	8,779.00	7,126.65	225.78	42.97	126.15	-5,899.05	-776.82	7,932.06	7,776.78	155.28	51.083	
15,900.00	7,001.00	8,779.00	7,126.65	228.09	42.97	126.15	-5,899.05	-776.82	8,032.00	7,876.70	155.30	51.719	
16,000.00	7,001.00	8,793.01	7,126.51	230.41	43.17	124.38	-5,885.04	-777.30	8,131.83	7,976.59	155.24	52.382	
16,100.00	7,001.00	8,793.28	7,126.51	232.75	43.18	124.35	-5,884.77	-777.31	8,231.77	8,076.51	155.26	53.018	
16,200.00	7,001.00	8,793.54	7,126.51	235.09	43.18	124.32	-5,884.51	-777.31	8,331.72	8,176.43	155.29	53.654	
16,300.00	7,001.00	8,793.80	7,126.50	237.45	43.18	124.29	-5,884.26	-777.32	8,431.67	8,276.36	155.31	54.290	
16,400.00	7,001.00	8,794.05	7,126.50	239.81	43.19	124.26	-5,884.01	-777.33	8,531.61	8,376.28	155.33	54.925	
16,500.00	7,001.00	8,794.29	7,126.50	242.18	43.19	124.23	-5,883.76	-777.33	8,631.56	8,476.21	155.35	55.561	
16,600.00	7,001.00	8,794.53	7,126.50	244.56	43.19	124.20	-5,883.52	-777.34	8,731.51	8,576.14	155.38	56.196	
16,700.00	7,001.00	8,794.77	7,126.50	246.95	43.20	124.17	-5,883.29	-777.34	8,831.47	8,676.06	155.40	56.830	
16,800.00	7,001.00	8,795.00	7,126.49	249.35	43.20	124.15	-5,883.06	-777.35	8,931.42	8,775.99	155.42	57.465	
16,900.00	7,001.00	8,795.22	7,126.49	251.75	43.20	124.12	-5,882.84	-777.35	9,031.37	8,875.92	155.45	58.099	
17,000.00	7,001.00	8,795.44	7,126.49	254.17	43.21	124.09	-5,882.61	-777.36	9,131.33	8,975.85	155.47	58.733	
17,100.00	7,001.00	8,795.66	7,126.49	256.59	43.21	124.07	-5,882.40	-777.36	9,231.28	9,075.79	155.50	59.367	
17,200.00	7,001.00	8,810.00	7,126.38	259.01	43.42	122.44	-5,868.06	-777.58	9,331.36	9,175.92	155.44	60.033	
17,300.00	7,001.00	8,810.00	7,126.38	261.45	43.42	122.44	-5,868.06	-777.58	9,431.31	9,275.85	155.46	60.666	
17,400.00	7,001.00	8,810.00	7,126.38	263.89	43.42	122.44	-5,868.06	-777.58	9,531.27	9,375.78	155.49	61.298	
17,500.00	7,001.00	8,810.00	7,126.38	266.34	43.42	122.44	-5,868.06	-777.58	9,631.22	9,475.71	155.52	61.931	
17,600.00	7,001.00	8,810.00	7,126.38	268.79	43.42	122.44	-5,868.06	-777.58	9,731.18	9,575.64	155.54	62.563	
17,700.00	7,001.00	8,810.00	7,126.38	271.25	43.42	122.44	-5,868.06	-777.58	9,831.14	9,675.57	155.57	63.195	
17,800.00	7,001.00	8,810.00	7,126.38	273.72	43.42	122.44	-5,868.06	-777.58	9,931.10	9,775.50	155.59	63.827	
17,900.00	7,001.00	8,810.00	7,126.38	276.19	43.42	122.44	-5,868.06	-777.58	10,031.06	9,875.43	155.62	64.458	
18,000.00	7,001.00	8,810.00	7,126.38	278.67	43.42	122.44	-5,868.06	-777.58	10,131.02	9,975.37	155.65	65.089	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	11.00	11.00	0.00	0.02	-95.03	-203.90	-2,314.73	2,323.69					
100.00	100.00	111.00	111.00	0.27	0.19	-95.03	-203.90	-2,314.73	2,323.69	2,323.24	0.46	5,064.234		
200.00	200.00	211.00	211.00	0.63	0.55	-95.03	-203.90	-2,314.73	2,323.69	2,322.52	1.18	1,976.288		
300.00	300.00	311.00	311.00	0.99	0.91	-95.03	-203.90	-2,314.73	2,323.69	2,321.80	1.89	1,227.694		
400.00	399.98	410.98	410.98	1.33	1.27	59.66	-203.90	-2,314.73	2,322.81	2,320.22	2.59	895.381		
500.00	499.84	510.84	510.84	1.67	1.62	59.82	-203.90	-2,314.73	2,320.17	2,316.88	3.29	704.562		
600.00	599.45	610.45	610.45	2.03	1.98	60.08	-203.90	-2,314.73	2,315.79	2,311.79	4.01	578.015		
700.00	698.70	709.70	709.70	2.41	2.34	60.45	-203.90	-2,314.73	2,309.72	2,304.98	4.74	487.698		
800.00	797.47	808.47	808.47	2.81	2.69	60.92	-203.90	-2,314.73	2,301.98	2,296.50	5.48	419.702		
900.00	895.62	906.62	906.62	3.25	3.04	61.50	-203.90	-2,314.73	2,292.66	2,286.41	6.26	366.422		
1,000.00	993.06	1,004.06	1,004.06	3.72	3.39	62.17	-203.90	-2,314.73	2,281.83	2,274.77	7.06	323.376		
1,100.00	1,089.64	1,100.64	1,100.64	4.23	3.74	62.96	-203.90	-2,314.73	2,269.58	2,261.69	7.89	287.763		
1,200.00	1,185.27	1,196.27	1,196.27	4.78	4.08	63.84	-203.90	-2,314.73	2,256.01	2,247.26	8.75	257.747		
1,300.00	1,279.82	1,290.82	1,290.82	5.38	4.42	64.82	-203.90	-2,314.73	2,241.26	2,231.60	9.66	232.077		
1,400.00	1,373.17	1,384.17	1,384.17	6.03	4.75	65.90	-203.90	-2,314.73	2,225.46	2,214.85	10.60	209.868		
1,500.00	1,465.21	1,476.21	1,476.21	6.72	5.08	67.08	-203.90	-2,314.73	2,208.76	2,197.17	11.60	190.478		
1,600.00	1,555.84	1,566.84	1,566.84	7.47	5.41	68.34	-203.90	-2,314.73	2,191.35	2,178.71	12.64	173.427		
1,700.00	1,644.94	1,655.94	1,655.94	8.27	5.73	69.69	-203.90	-2,314.73	2,173.40	2,159.67	13.73	158.348		
1,800.00	1,732.39	1,743.39	1,743.39	9.12	6.04	71.12	-203.90	-2,314.73	2,155.12	2,140.26	14.87	144.955		
1,900.00	1,818.11	1,829.11	1,829.11	10.02	6.35	72.61	-203.90	-2,314.73	2,136.74	2,120.68	16.06	133.021		
2,000.00	1,901.97	1,912.97	1,912.97	10.98	6.65	74.17	-203.90	-2,314.73	2,118.49	2,101.18	17.31	122.361		
2,100.00	1,983.88	1,994.88	1,994.88	11.98	6.94	75.77	-203.90	-2,314.73	2,100.63	2,082.01	18.62	112.824		
2,200.00	2,063.74	2,074.74	2,074.74	13.04	7.23	77.41	-203.90	-2,314.73	2,083.42	2,063.44	19.98	104.284		
2,300.00	2,141.45	2,152.45	2,152.45	14.14	7.51	79.07	-203.90	-2,314.73	2,067.15	2,045.76	21.39	96.635		
2,400.00	2,216.92	2,227.92	2,227.92	15.30	7.78	80.74	-203.90	-2,314.73	2,052.10	2,029.25	22.85	89.789		
2,500.00	2,290.05	2,301.05	2,301.05	16.50	8.04	82.41	-203.90	-2,314.73	2,038.58	2,014.21	24.37	83.666		
2,600.00	2,360.76	2,371.76	2,371.76	17.76	8.29	84.05	-203.90	-2,314.73	2,026.89	2,000.97	25.92	78.200		
2,700.00	2,428.95	2,439.95	2,439.95	19.05	8.54	85.66	-203.90	-2,314.73	2,017.34	1,989.83	27.51	73.333		
2,800.00	2,494.55	2,505.55	2,505.55	20.39	8.77	87.21	-203.90	-2,314.73	2,010.22	1,981.09	29.13	69.012		
2,900.00	2,557.49	2,568.49	2,568.49	21.78	9.00	88.69	-203.90	-2,314.73	2,005.84	1,975.07	30.77	65.192		
2,994.63	2,615.95	2,626.95	2,626.95	23.11	9.21	90.00	-203.90	-2,314.73	2,004.46	1,972.14	32.32	62.023 CC		
3,000.00	2,619.27	2,630.27	2,630.27	23.18	9.22	90.07	-203.90	-2,314.73	2,004.46	1,972.06	32.41	61.856 ES		
3,100.00	2,681.04	2,692.04	2,692.04	24.60	9.44	91.46	-203.90	-2,314.73	2,006.17	1,972.15	34.02	58.967		
3,200.00	2,742.82	2,753.82	2,753.82	26.02	9.66	92.85	-203.90	-2,314.73	2,010.95	1,975.34	35.61	56.472		
3,300.00	2,804.59	2,815.59	2,815.59	27.44	9.89	94.23	-203.90	-2,314.73	2,018.79	1,981.63	37.16	54.322		
3,400.00	2,866.37	2,877.37	2,877.37	28.87	10.11	95.61	-203.90	-2,314.73	2,029.65	1,990.97	38.68	52.478		
3,500.00	2,928.15	2,939.15	2,939.15	30.30	10.33	96.98	-203.90	-2,314.73	2,043.47	2,003.33	40.14	50.903		
3,600.00	2,989.92	3,000.92	3,000.92	31.73	10.55	98.35	-203.90	-2,314.73	2,060.21	2,018.65	41.56	49.567		
3,700.00	3,051.70	3,062.70	3,062.70	33.17	10.77	99.70	-203.90	-2,314.73	2,079.79	2,036.86	42.93	48.443		
3,800.00	3,113.47	3,124.47	3,124.47	34.61	10.99	101.04	-203.90	-2,314.73	2,102.13	2,057.88	44.25	47.508		
3,900.00	3,175.25	3,186.25	3,186.25	36.05	11.21	102.38	-203.90	-2,314.73	2,127.14	2,081.63	45.51	46.741		
4,000.00	3,237.03	3,248.03	3,248.03	37.49	11.44	103.69	-203.90	-2,314.73	2,154.74	2,108.02	46.72	46.125		
4,100.00	3,298.80	3,309.80	3,309.80	38.93	11.66	105.00	-203.90	-2,314.73	2,184.81	2,136.95	47.87	45.642		
4,200.00	3,360.58	3,371.58	3,371.58	40.37	11.88	106.28	-203.90	-2,314.73	2,217.27	2,168.31	48.97	45.280		
4,300.00	3,422.35	3,433.35	3,433.35	41.82	12.10	107.56	-203.90	-2,314.73	2,252.01	2,202.00	50.02	45.026		
4,400.00	3,484.13	3,495.13	3,495.13	43.27	12.32	108.81	-203.90	-2,314.73	2,288.93	2,237.91	51.01	44.869		
4,500.00	3,545.90	3,556.90	3,556.90	44.72	12.54	110.04	-203.90	-2,314.73	2,327.91	2,275.95	51.96	44.798 SF		
4,600.00	3,607.68	3,618.68	3,618.68	46.16	12.76	111.26	-203.90	-2,314.73	2,368.87	2,316.00	52.87	44.805		
4,700.00	3,669.46	3,680.46	3,680.46	47.61	12.99	112.46	-203.90	-2,314.73	2,411.70	2,357.96	53.73	44.882		
4,800.00	3,731.23	3,742.23	3,742.23	49.06	13.21	113.63	-203.90	-2,314.73	2,456.29	2,401.73	54.56	45.022		
4,900.00	3,793.01	3,804.01	3,804.01	50.52	13.43	114.79	-203.90	-2,314.73	2,502.57	2,447.22	55.34	45.218		
5,000.00	3,854.78	3,865.78	3,865.78	51.97	13.65	115.92	-203.90	-2,314.73	2,550.42	2,494.33	56.10	45.464		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	3,916.56	3,927.56	3,927.56	53.42	13.87	117.03	-203.90	-2,314.73	2,599.78	2,542.96	56.82	45.756		
5,200.00	3,978.34	3,989.34	3,989.34	54.87	14.09	118.12	-203.90	-2,314.73	2,650.55	2,593.04	57.51	46.088		
5,300.00	4,040.11	4,051.11	4,051.11	56.32	14.31	119.19	-203.90	-2,314.73	2,702.66	2,644.48	58.18	46.456		
5,400.00	4,101.89	4,112.89	4,112.89	57.78	14.54	120.24	-203.90	-2,314.73	2,756.02	2,697.20	58.82	46.856		
5,500.00	4,163.66	4,174.66	4,174.66	59.23	14.76	121.27	-203.90	-2,314.73	2,810.57	2,751.14	59.44	47.286		
5,600.00	4,225.44	4,236.44	4,236.44	60.69	14.98	122.27	-203.90	-2,314.73	2,866.25	2,806.21	60.04	47.741		
5,700.00	4,287.21	4,298.21	4,298.21	62.14	15.20	123.25	-203.90	-2,314.73	2,922.97	2,862.35	60.62	48.218		
5,800.00	4,348.99	4,359.99	4,359.99	63.60	15.42	124.21	-203.90	-2,314.73	2,980.69	2,919.51	61.19	48.715		
5,900.00	4,410.77	4,421.77	4,421.77	65.05	15.64	125.15	-203.90	-2,314.73	3,039.35	2,977.62	61.74	49.230		
6,000.00	4,472.54	4,483.54	4,483.54	66.51	15.86	126.07	-203.90	-2,314.73	3,098.90	3,036.62	62.28	49.761		
6,100.00	4,534.32	4,545.32	4,545.32	67.96	16.09	126.96	-203.90	-2,314.73	3,159.28	3,096.48	62.80	50.304		
6,200.00	4,596.09	4,607.09	4,607.09	69.42	16.31	127.84	-203.90	-2,314.73	3,220.45	3,157.13	63.32	50.859		
6,300.00	4,657.87	4,668.87	4,668.87	70.88	16.53	128.70	-203.90	-2,314.73	3,282.36	3,218.53	63.83	51.424		
6,400.00	4,719.64	4,730.64	4,730.64	72.33	16.75	129.53	-203.90	-2,314.73	3,344.98	3,280.65	64.33	51.998		
6,500.00	4,781.42	4,792.42	4,792.42	73.79	16.97	130.35	-203.90	-2,314.73	3,408.26	3,343.43	64.82	52.578		
6,600.00	4,843.20	4,854.20	4,854.20	75.25	17.19	131.15	-203.90	-2,314.73	3,472.17	3,406.85	65.31	53.164		
6,700.00	4,904.97	4,915.97	4,915.97	76.71	17.41	131.92	-203.90	-2,314.73	3,536.67	3,470.87	65.79	53.754		
6,800.00	4,966.75	4,977.75	4,977.75	78.16	17.64	132.68	-203.90	-2,314.73	3,601.73	3,535.46	66.27	54.347		
6,900.00	5,028.52	5,039.52	5,039.52	79.62	17.86	133.42	-203.90	-2,314.73	3,667.32	3,600.58	66.75	54.943		
7,000.00	5,090.30	5,101.30	5,101.30	81.08	18.08	134.15	-203.90	-2,314.73	3,733.42	3,666.20	67.22	55.541		
7,100.00	5,152.08	5,163.08	5,163.08	82.54	18.30	134.85	-203.90	-2,314.73	3,800.00	3,732.31	67.69	56.139		
7,200.00	5,213.85	5,224.85	5,224.85	83.99	18.52	135.54	-203.90	-2,314.73	3,867.03	3,798.87	68.16	56.738		
7,300.00	5,275.63	5,286.63	5,286.63	85.45	18.74	136.22	-203.90	-2,314.73	3,934.49	3,865.87	68.62	57.335		
7,400.00	5,337.40	5,348.40	5,348.40	86.91	18.96	136.87	-203.90	-2,314.73	4,002.36	3,933.27	69.09	57.932		
7,500.00	5,399.18	5,410.18	5,410.18	88.37	19.19	137.52	-203.90	-2,314.73	4,070.61	4,001.06	69.55	58.526		
7,600.00	5,460.95	5,471.95	5,471.95	89.83	19.41	138.14	-203.90	-2,314.73	4,139.23	4,069.22	70.02	59.118		
7,700.00	5,522.73	5,533.73	5,533.73	91.29	19.63	138.75	-203.90	-2,314.73	4,208.21	4,137.73	70.48	59.707		
7,800.00	5,584.51	5,595.51	5,595.51	92.75	19.85	139.35	-203.90	-2,314.73	4,277.51	4,206.57	70.94	60.293		
7,900.00	5,646.28	5,657.28	5,657.28	94.20	20.07	139.93	-203.90	-2,314.73	4,347.14	4,275.73	71.41	60.876		
8,000.00	5,708.06	5,719.06	5,719.06	95.66	20.29	140.50	-203.90	-2,314.73	4,417.07	4,345.19	71.88	61.454		
8,100.00	5,769.83	5,780.83	5,780.83	97.12	20.51	141.05	-203.90	-2,314.73	4,487.28	4,414.94	72.34	62.029		
8,200.00	5,831.61	5,842.61	5,842.61	98.58	20.74	141.60	-203.90	-2,314.73	4,557.77	4,484.96	72.81	62.598		
8,300.00	5,893.39	5,904.39	5,904.39	100.04	20.96	142.13	-203.90	-2,314.73	4,628.52	4,555.25	73.28	63.163		
8,400.00	5,955.16	5,966.16	5,966.16	101.50	21.18	142.64	-203.90	-2,314.73	4,699.53	4,625.78	73.75	63.723		
8,500.00	6,016.94	6,027.94	6,027.94	102.96	21.40	143.15	-203.90	-2,314.73	4,770.77	4,696.55	74.22	64.278		
8,600.00	6,078.71	6,089.71	6,089.71	104.42	21.62	143.64	-203.90	-2,314.73	4,842.24	4,767.55	74.69	64.827		
8,700.00	6,140.49	6,151.49	6,151.49	105.88	21.84	144.12	-203.90	-2,314.73	4,913.93	4,838.76	75.17	65.371		
8,800.00	6,202.26	6,213.26	6,213.26	107.34	22.06	144.60	-203.90	-2,314.73	4,985.83	4,910.19	75.65	65.909		
8,900.00	6,264.04	6,275.04	6,275.04	108.80	22.29	145.06	-203.90	-2,314.73	5,057.93	4,981.81	76.13	66.442		
9,000.00	6,325.82	6,336.82	6,336.82	110.26	22.51	145.51	-203.90	-2,314.73	5,130.23	5,053.62	76.61	66.968		
9,100.00	6,387.59	6,398.59	6,398.59	111.72	22.73	145.95	-203.90	-2,314.73	5,202.70	5,125.61	77.09	67.489		
9,200.00	6,449.37	6,460.37	6,460.37	113.18	22.95	146.38	-203.90	-2,314.73	5,275.36	5,197.78	77.57	68.004		
9,300.00	6,511.14	6,522.14	6,522.14	114.64	23.17	146.80	-203.90	-2,314.73	5,348.18	5,270.12	78.06	68.512		
9,400.00	6,572.92	6,583.92	6,583.92	116.10	23.39	147.21	-203.90	-2,314.73	5,421.17	5,342.61	78.55	69.014		
9,500.00	6,634.70	6,645.70	6,645.70	117.56	23.62	147.61	-203.90	-2,314.73	5,494.31	5,415.26	79.04	69.511		
9,600.00	6,696.47	6,707.47	6,707.47	119.02	23.84	148.01	-203.90	-2,314.73	5,567.60	5,488.06	79.54	70.001		
9,700.00	6,758.22	6,769.22	6,769.22	120.48	24.06	148.42	-203.90	-2,314.73	5,641.01	5,560.98	80.03	70.485		
9,800.00	6,817.23	6,828.23	6,828.23	122.00	24.27	130.56	-203.90	-2,314.73	5,712.23	5,631.71	80.52	70.946		
9,900.00	6,870.40	6,881.40	6,881.40	123.58	24.46	117.74	-203.90	-2,314.73	5,778.38	5,697.41	80.97	71.360		
10,000.00	6,916.13	6,927.13	6,927.13	125.16	24.62	107.79	-203.90	-2,314.73	5,837.85	5,756.45	81.40	71.716		
10,100.00	6,953.01	6,964.01	6,964.01	126.69	24.76	100.37	-203.90	-2,314.73	5,889.24	5,807.45	81.79	72.003		
10,200.00	6,979.94	6,990.94	6,990.94	128.11	24.85	95.10	-203.90	-2,314.73	5,931.39	5,849.25	82.14	72.207		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	6,996.09	7,007.09	7,007.09	129.37	24.91	91.68	-203.90	-2,314.73	5,963.37	5,880.91	82.46	72.318		
10,400.00	7,001.00	7,012.00	7,012.00	130.45	24.93	90.00	-203.90	-2,314.73	5,984.49	5,901.76	82.74	72.330		
10,500.00	7,001.00	7,012.00	7,012.00	131.44	24.93	90.00	-203.90	-2,314.73	6,001.72	5,918.69	83.03	72.284		
10,600.00	7,001.00	7,012.00	7,012.00	132.48	24.93	90.00	-203.90	-2,314.73	6,020.55	5,937.19	83.36	72.225		
10,700.00	7,001.00	7,012.00	7,012.00	133.54	24.93	90.00	-203.90	-2,314.73	6,040.98	5,957.26	83.72	72.154		
10,800.00	7,001.00	7,012.00	7,012.00	134.64	24.93	90.00	-203.90	-2,314.73	6,062.99	5,978.87	84.12	72.072		
10,900.00	7,001.00	7,012.00	7,012.00	135.77	24.93	90.00	-203.90	-2,314.73	6,086.56	6,002.01	84.56	71.981		
11,000.00	7,001.00	7,012.00	7,012.00	136.94	24.93	90.00	-203.90	-2,314.73	6,111.68	6,026.66	85.02	71.884		
11,100.00	7,001.00	7,012.00	7,012.00	138.14	24.93	90.00	-203.90	-2,314.73	6,138.33	6,052.82	85.51	71.782		
11,200.00	7,001.00	7,012.00	7,012.00	139.38	24.93	90.00	-203.90	-2,314.73	6,166.48	6,080.45	86.03	71.677		
11,300.00	7,001.00	7,012.00	7,012.00	140.65	24.93	90.00	-203.90	-2,314.73	6,196.12	6,109.55	86.57	71.570		
11,400.00	7,001.00	7,012.00	7,012.00	141.95	24.93	90.00	-203.90	-2,314.73	6,227.23	6,140.09	87.14	71.464		
11,500.00	7,001.00	7,012.00	7,012.00	143.29	24.93	90.00	-203.90	-2,314.73	6,259.77	6,172.05	87.72	71.360		
11,600.00	7,001.00	7,012.00	7,012.00	144.66	24.93	90.00	-203.90	-2,314.73	6,293.74	6,205.42	88.32	71.260		
11,700.00	7,001.00	7,012.00	7,012.00	146.06	24.93	90.00	-203.90	-2,314.73	6,329.11	6,240.17	88.94	71.164		
11,800.00	7,001.00	7,012.00	7,012.00	147.50	24.93	90.00	-203.90	-2,314.73	6,365.85	6,276.28	89.57	71.074		
11,900.00	7,001.00	7,012.00	7,012.00	148.97	24.93	90.00	-203.90	-2,314.73	6,403.94	6,313.73	90.21	70.991		
12,000.00	7,001.00	7,012.00	7,012.00	150.47	24.93	90.00	-203.90	-2,314.73	6,443.36	6,352.50	90.86	70.917		
12,100.00	7,001.00	7,012.00	7,012.00	152.00	24.93	90.00	-203.90	-2,314.73	6,484.08	6,392.56	91.52	70.852		
12,200.00	7,001.00	7,012.00	7,012.00	153.57	24.93	90.00	-203.90	-2,314.73	6,526.08	6,433.90	92.18	70.797		
12,300.00	7,001.00	7,012.00	7,012.00	155.16	24.93	90.00	-203.90	-2,314.73	6,569.33	6,476.48	92.85	70.752		
12,400.00	7,001.00	7,012.00	7,012.00	156.79	24.93	90.00	-203.90	-2,314.73	6,613.81	6,520.29	93.52	70.719		
12,500.00	7,001.00	7,012.00	7,012.00	158.44	24.93	90.00	-203.90	-2,314.73	6,659.50	6,565.30	94.20	70.698		
12,600.00	7,001.00	7,012.00	7,012.00	160.13	24.93	90.00	-203.90	-2,314.73	6,706.37	6,611.50	94.87	70.689		
12,700.00	7,001.00	7,012.00	7,012.00	161.84	24.93	90.00	-203.90	-2,314.73	6,754.39	6,658.84	95.55	70.692		
12,800.00	7,001.00	7,012.00	7,012.00	163.58	24.93	90.00	-203.90	-2,314.73	6,803.54	6,707.32	96.22	70.708		
12,900.00	7,001.00	7,012.00	7,012.00	165.35	24.93	90.00	-203.90	-2,314.73	6,853.80	6,756.91	96.89	70.738		
13,000.00	7,001.00	7,012.00	7,012.00	167.14	24.93	90.00	-203.90	-2,314.73	6,905.15	6,807.59	97.56	70.780		
13,100.00	7,001.00	7,012.00	7,012.00	168.97	24.93	90.00	-203.90	-2,314.73	6,957.55	6,859.33	98.22	70.835		
13,200.00	7,001.00	7,012.00	7,012.00	170.81	24.93	90.00	-203.90	-2,314.73	7,010.98	6,912.10	98.88	70.904		
13,300.00	7,001.00	7,012.00	7,012.00	172.68	24.93	90.00	-203.90	-2,314.73	7,065.43	6,965.90	99.53	70.986		
13,400.00	7,001.00	7,012.00	7,012.00	174.58	24.93	90.00	-203.90	-2,314.73	7,120.86	7,020.69	100.18	71.081		
13,500.00	7,001.00	7,012.00	7,012.00	176.50	24.93	90.00	-203.90	-2,314.73	7,177.26	7,076.45	100.82	71.190		
13,600.00	7,001.00	7,012.00	7,012.00	178.44	24.93	90.00	-203.90	-2,314.73	7,234.61	7,133.16	101.45	71.311		
13,700.00	7,001.00	7,012.00	7,012.00	180.41	24.93	90.00	-203.90	-2,314.73	7,292.87	7,190.79	102.08	71.445		
13,800.00	7,001.00	7,012.00	7,012.00	182.39	24.93	90.00	-203.90	-2,314.73	7,352.03	7,249.34	102.69	71.591		
13,900.00	7,001.00	7,012.00	7,012.00	184.40	24.93	90.00	-203.90	-2,314.73	7,412.07	7,308.77	103.30	71.750		
14,000.00	7,001.00	7,012.00	7,012.00	186.43	24.93	90.00	-203.90	-2,314.73	7,472.97	7,369.06	103.90	71.922		
14,100.00	7,001.00	7,012.00	7,012.00	188.48	24.93	90.00	-203.90	-2,314.73	7,534.70	7,430.20	104.50	72.105		
14,200.00	7,001.00	7,012.00	7,012.00	190.54	24.93	90.00	-203.90	-2,314.73	7,597.24	7,492.16	105.08	72.300		
14,300.00	7,001.00	7,012.00	7,012.00	192.63	24.93	90.00	-203.90	-2,314.73	7,660.58	7,554.93	105.65	72.507		
14,400.00	7,001.00	7,012.00	7,012.00	194.73	24.93	90.00	-203.90	-2,314.73	7,724.69	7,618.47	106.22	72.724		
14,500.00	7,001.00	7,012.00	7,012.00	196.85	24.93	90.00	-203.90	-2,314.73	7,789.56	7,682.79	106.77	72.954		
14,600.00	7,001.00	7,012.00	7,012.00	198.99	24.93	90.00	-203.90	-2,314.73	7,855.17	7,747.85	107.32	73.193		
14,700.00	7,001.00	7,012.00	7,012.00	201.14	24.93	90.00	-203.90	-2,314.73	7,921.50	7,813.64	107.86	73.444		
14,800.00	7,001.00	7,012.00	7,012.00	203.31	24.93	90.00	-203.90	-2,314.73	7,988.53	7,880.14	108.39	73.704		
14,900.00	7,001.00	7,012.00	7,012.00	205.50	24.93	90.00	-203.90	-2,314.73	8,056.24	7,947.33	108.90	73.975		
15,000.00	7,001.00	7,012.00	7,012.00	207.70	24.93	90.00	-203.90	-2,314.73	8,124.62	8,015.20	109.41	74.256		
15,100.00	7,001.00	7,012.00	7,012.00	209.91	24.93	90.00	-203.90	-2,314.73	8,193.64	8,083.73	109.91	74.546		
15,200.00	7,001.00	7,012.00	7,012.00	212.14	24.93	90.00	-203.90	-2,314.73	8,263.31	8,152.90	110.40	74.845		
15,300.00	7,001.00	7,012.00	7,012.00	214.38	24.93	90.00	-203.90	-2,314.73	8,333.59	8,222.70	110.89	75.154		
15,400.00	7,001.00	7,012.00	7,012.00	216.64	24.93	90.00	-203.90	-2,314.73	8,404.47	8,293.11	111.36	75.471		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	7,012.00	7,012.00	218.90	24.93	90.00	-203.90	-2,314.73	8,475.94	8,364.11	111.82	75.797	
15,600.00	7,001.00	7,012.00	7,012.00	221.18	24.93	90.00	-203.90	-2,314.73	8,547.98	8,435.70	112.28	76.132	
15,700.00	7,001.00	7,012.00	7,012.00	223.47	24.93	90.00	-203.90	-2,314.73	8,620.58	8,507.85	112.73	76.474	
15,800.00	7,001.00	7,012.00	7,012.00	225.78	24.93	90.00	-203.90	-2,314.73	8,693.72	8,580.55	113.16	76.824	
15,900.00	7,001.00	7,012.00	7,012.00	228.09	24.93	90.00	-203.90	-2,314.73	8,767.39	8,653.80	113.59	77.182	
16,000.00	7,001.00	7,012.00	7,012.00	230.41	24.93	90.00	-203.90	-2,314.73	8,841.58	8,727.57	114.01	77.548	
16,100.00	7,001.00	7,012.00	7,012.00	232.75	24.93	90.00	-203.90	-2,314.73	8,916.28	8,801.85	114.43	77.920	
16,200.00	7,001.00	7,012.00	7,012.00	235.09	24.93	90.00	-203.90	-2,314.73	8,991.46	8,876.63	114.83	78.300	
16,300.00	7,001.00	7,012.00	7,012.00	237.45	24.93	90.00	-203.90	-2,314.73	9,067.13	8,951.90	115.23	78.687	
16,400.00	7,001.00	7,012.00	7,012.00	239.81	24.93	90.00	-203.90	-2,314.73	9,143.26	9,027.64	115.62	79.080	
16,500.00	7,001.00	7,012.00	7,012.00	242.18	24.93	90.00	-203.90	-2,314.73	9,219.85	9,103.85	116.00	79.480	
16,600.00	7,001.00	7,012.00	7,012.00	244.56	24.93	90.00	-203.90	-2,314.73	9,296.89	9,180.51	116.38	79.886	
16,700.00	7,001.00	7,012.00	7,012.00	246.95	24.93	90.00	-203.90	-2,314.73	9,374.35	9,257.61	116.74	80.298	
16,800.00	7,001.00	7,012.00	7,012.00	249.35	24.93	90.00	-203.90	-2,314.73	9,452.24	9,335.14	117.10	80.716	
16,900.00	7,001.00	7,012.00	7,012.00	251.75	24.93	90.00	-203.90	-2,314.73	9,530.55	9,413.09	117.46	81.140	
17,000.00	7,001.00	7,012.00	7,012.00	254.17	24.93	90.00	-203.90	-2,314.73	9,609.25	9,491.45	117.80	81.570	
17,100.00	7,001.00	7,012.00	7,012.00	256.59	24.93	90.00	-203.90	-2,314.73	9,688.35	9,570.21	118.14	82.004	
17,200.00	7,001.00	7,012.00	7,012.00	259.01	24.93	90.00	-203.90	-2,314.73	9,767.83	9,649.36	118.48	82.445	
17,300.00	7,001.00	7,012.00	7,012.00	261.45	24.93	90.00	-203.90	-2,314.73	9,847.69	9,728.89	118.80	82.890	
17,400.00	7,001.00	7,012.00	7,012.00	263.89	24.93	90.00	-203.90	-2,314.73	9,927.91	9,808.79	119.13	83.340	
17,500.00	7,001.00	7,012.00	7,012.00	266.34	24.93	90.00	-203.90	-2,314.73	10,008.49	9,889.05	119.44	83.795	
17,600.00	7,001.00	7,012.00	7,012.00	268.79	24.93	90.00	-203.90	-2,314.73	10,089.41	9,969.66	119.75	84.255	

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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 36-33 - 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		
100.00	100.00	85.00	85.00	0.27	0.13	-128.77	-1,872.43	-2,331.57	2,990.35	2,989.95	0.40	7,535.624		
200.00	200.00	185.00	185.00	0.63	0.46	-128.77	-1,872.43	-2,331.57	2,990.35	2,989.27	1.08	2,762.232		
300.00	300.00	285.00	285.00	0.99	0.81	-128.77	-1,872.43	-2,331.57	2,990.35	2,988.55	1.80	1,661.742		
400.00	399.98	384.98	384.98	1.33	1.17	25.91	-1,872.43	-2,331.57	2,988.78	2,986.28	2.50	1,194.707		
500.00	499.84	484.84	484.84	1.67	1.53	25.99	-1,872.43	-2,331.57	2,984.07	2,980.87	3.20	932.065		
600.00	599.45	584.45	584.45	2.03	1.89	26.13	-1,872.43	-2,331.57	2,976.24	2,972.33	3.91	760.937		
700.00	698.70	683.70	683.70	2.41	2.24	26.34	-1,872.43	-2,331.57	2,965.29	2,960.66	4.63	640.650		
800.00	797.47	782.47	782.47	2.81	2.60	26.60	-1,872.43	-2,331.57	2,951.25	2,945.90	5.35	551.316		
900.00	895.62	880.62	880.62	3.25	2.95	26.92	-1,872.43	-2,331.57	2,934.15	2,928.07	6.09	482.160		
1,000.00	993.06	978.06	978.06	3.72	3.30	27.31	-1,872.43	-2,331.57	2,914.02	2,907.20	6.83	426.870		
1,100.00	1,089.64	1,074.64	1,074.64	4.23	3.64	27.76	-1,872.43	-2,331.57	2,890.91	2,883.33	7.58	381.515		
1,200.00	1,185.27	1,170.27	1,170.27	4.78	3.99	28.29	-1,872.43	-2,331.57	2,864.85	2,856.51	8.34	343.523		
1,300.00	1,279.82	1,264.82	1,264.82	5.38	4.33	28.88	-1,872.43	-2,331.57	2,835.91	2,826.80	9.11	311.145		
1,400.00	1,373.17	1,358.17	1,358.17	6.03	4.66	29.56	-1,872.43	-2,331.57	2,804.14	2,794.24	9.90	283.149		
1,500.00	1,465.21	1,450.21	1,450.21	6.72	4.99	30.32	-1,872.43	-2,331.57	2,769.62	2,758.91	10.71	258.645		
1,600.00	1,555.84	1,540.84	1,540.84	7.47	5.32	31.17	-1,872.43	-2,331.57	2,732.42	2,720.89	11.53	236.973		
1,700.00	1,644.94	1,629.94	1,629.94	8.27	5.63	32.11	-1,872.43	-2,331.57	2,692.63	2,680.25	12.37	217.632		
1,800.00	1,732.39	1,717.39	1,717.39	9.12	5.95	33.16	-1,872.43	-2,331.57	2,650.33	2,637.09	13.24	200.238		
1,900.00	1,818.11	1,803.11	1,803.11	10.02	6.26	34.31	-1,872.43	-2,331.57	2,605.63	2,591.51	14.12	184.490		
2,000.00	1,901.97	1,886.97	1,886.97	10.98	6.56	35.58	-1,872.43	-2,331.57	2,558.64	2,543.60	15.04	170.149		
2,100.00	1,983.88	1,968.88	1,968.88	11.98	6.85	36.97	-1,872.43	-2,331.57	2,509.48	2,493.50	15.98	157.022		
2,200.00	2,063.74	2,048.74	2,048.74	13.04	7.14	38.49	-1,872.43	-2,331.57	2,458.28	2,441.32	16.96	144.954		
2,300.00	2,141.45	2,126.45	2,126.45	14.14	7.41	40.14	-1,872.43	-2,331.57	2,405.18	2,387.21	17.97	133.818		
2,400.00	2,216.92	2,201.92	2,201.92	15.30	7.69	41.94	-1,872.43	-2,331.57	2,350.35	2,331.32	19.03	123.509		
2,500.00	2,290.05	2,275.05	2,275.05	16.50	7.95	43.89	-1,872.43	-2,331.57	2,293.95	2,273.81	20.13	113.941		
2,600.00	2,360.76	2,345.76	2,345.76	17.76	8.20	45.98	-1,872.43	-2,331.57	2,236.16	2,214.87	21.29	105.042		
2,700.00	2,428.95	2,413.95	2,413.95	19.05	8.45	48.22	-1,872.43	-2,331.57	2,177.20	2,154.70	22.50	96.753		
2,800.00	2,494.55	2,479.55	2,479.55	20.39	8.68	50.61	-1,872.43	-2,331.57	2,117.28	2,093.50	23.78	89.026		
2,900.00	2,557.49	2,542.49	2,542.49	21.78	8.91	53.05	-1,872.43	-2,331.57	2,056.65	2,031.52	25.14	81.816		
3,000.00	2,619.27	2,604.27	2,604.27	23.18	9.13	54.43	-1,872.43	-2,331.57	1,996.50	1,969.94	26.56	75.162		
3,100.00	2,681.04	2,666.04	2,666.04	24.60	9.35	55.87	-1,872.43	-2,331.57	1,937.68	1,909.62	28.06	69.051		
3,200.00	2,742.82	2,727.82	2,727.82	26.02	9.57	57.35	-1,872.43	-2,331.57	1,880.30	1,850.67	29.64	63.446		
3,300.00	2,804.59	2,789.59	2,789.59	27.44	9.79	58.89	-1,872.43	-2,331.57	1,824.52	1,793.23	31.29	58.313		
3,400.00	2,866.37	2,851.37	2,851.37	28.87	10.01	60.48	-1,872.43	-2,331.57	1,770.46	1,737.44	33.02	53.620		
3,500.00	2,928.15	2,913.15	2,913.15	30.30	10.23	62.12	-1,872.43	-2,331.57	1,718.31	1,683.48	34.83	49.337		
3,600.00	2,989.92	2,974.92	2,974.92	31.73	10.46	63.81	-1,872.43	-2,331.57	1,668.23	1,631.51	36.72	45.437		
3,700.00	3,051.70	3,036.70	3,036.70	33.17	10.68	65.56	-1,872.43	-2,331.57	1,620.42	1,581.75	38.68	41.895		
3,800.00	3,113.47	3,098.47	3,098.47	34.61	10.90	67.35	-1,872.43	-2,331.57	1,575.09	1,534.38	40.71	38.689		
3,900.00	3,175.25	3,160.25	3,160.25	36.05	11.12	69.19	-1,872.43	-2,331.57	1,532.46	1,489.65	42.81	35.797		
4,000.00	3,237.03	3,222.03	3,222.03	37.49	11.34	71.07	-1,872.43	-2,331.57	1,492.75	1,447.79	44.96	33.199		
4,100.00	3,298.80	3,283.80	3,283.80	38.93	11.56	73.00	-1,872.43	-2,331.57	1,456.22	1,409.06	47.16	30.878		
4,200.00	3,360.58	3,345.58	3,345.58	40.37	11.79	74.97	-1,872.43	-2,331.57	1,423.09	1,373.71	49.38	28.817		
4,300.00	3,422.35	3,407.35	3,407.35	41.82	12.01	76.98	-1,872.43	-2,331.57	1,393.62	1,342.00	51.62	27.000		
4,400.00	3,484.13	3,469.13	3,469.13	43.27	12.23	79.02	-1,872.43	-2,331.57	1,368.04	1,314.20	53.83	25.412		
4,500.00	3,545.90	3,530.90	3,530.90	44.72	12.45	81.09	-1,872.43	-2,331.57	1,346.57	1,290.55	56.02	24.039		
4,600.00	3,607.68	3,592.68	3,592.68	46.16	12.67	83.18	-1,872.43	-2,331.57	1,329.41	1,271.28	58.13	22.868		
4,700.00	3,669.46	3,654.46	3,654.46	47.61	12.89	85.29	-1,872.43	-2,331.57	1,316.73	1,256.57	60.16	21.887		
4,800.00	3,731.23	3,716.23	3,716.23	49.06	13.11	87.42	-1,872.43	-2,331.57	1,308.67	1,246.59	62.07	21.083		
4,900.00	3,793.01	3,778.01	3,778.01	50.52	13.34	89.55	-1,872.43	-2,331.57	1,305.30	1,241.45	63.85	20.444		
4,921.23	3,806.12	3,791.12	3,791.12	50.82	13.38	90.00	-1,872.43	-2,331.57	1,305.19	1,240.98	64.21	20.328 CC, ES		
5,000.00	3,854.78	3,839.78	3,839.78	51.97	13.56	91.68	-1,872.43	-2,331.57	1,306.66	1,241.19	65.47	19.959		
5,100.00	3,916.56	3,901.56	3,901.56	53.42	13.78	93.81	-1,872.43	-2,331.57	1,312.74	1,245.82	66.92	19.617		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	3,978.34	3,963.34	3,963.34	54.87	14.00	95.92	-1,872.43	-2,331.57	1,323.47	1,255.27	68.20	19.407		
5,300.00	4,040.11	4,025.11	4,025.11	56.32	14.22	98.02	-1,872.43	-2,331.57	1,338.74	1,269.45	69.29	19.320 SF		
5,400.00	4,101.89	4,086.89	4,086.89	57.78	14.44	100.10	-1,872.43	-2,331.57	1,358.40	1,288.18	70.22	19.345		
5,500.00	4,163.66	4,148.66	4,148.66	59.23	14.66	102.16	-1,872.43	-2,331.57	1,382.26	1,311.28	70.99	19.473		
5,600.00	4,225.44	4,210.44	4,210.44	60.69	14.89	104.18	-1,872.43	-2,331.57	1,410.11	1,338.51	71.60	19.695		
5,700.00	4,287.21	4,272.21	4,272.21	62.14	15.11	106.16	-1,872.43	-2,331.57	1,441.72	1,369.64	72.08	20.002		
5,800.00	4,348.99	4,333.99	4,333.99	63.60	15.33	108.11	-1,872.43	-2,331.57	1,476.84	1,404.40	72.44	20.387		
5,900.00	4,410.77	4,395.77	4,395.77	65.05	15.55	110.02	-1,872.43	-2,331.57	1,515.23	1,442.53	72.70	20.842		
6,000.00	4,472.54	4,457.54	4,457.54	66.51	15.77	111.88	-1,872.43	-2,331.57	1,556.64	1,483.77	72.88	21.360		
6,100.00	4,534.32	4,519.32	4,519.32	67.96	15.99	113.69	-1,872.43	-2,331.57	1,600.86	1,527.87	72.99	21.934		
6,200.00	4,596.09	4,581.09	4,581.09	69.42	16.21	115.45	-1,872.43	-2,331.57	1,647.64	1,574.60	73.04	22.558		
6,300.00	4,657.87	4,642.87	4,642.87	70.88	16.44	117.17	-1,872.43	-2,331.57	1,696.78	1,623.72	73.06	23.226		
6,400.00	4,719.64	4,704.64	4,704.64	72.33	16.66	118.83	-1,872.43	-2,331.57	1,748.07	1,675.03	73.04	23.932		
6,500.00	4,781.42	4,766.42	4,766.42	73.79	16.88	120.44	-1,872.43	-2,331.57	1,801.34	1,728.33	73.01	24.673		
6,600.00	4,843.20	4,828.20	4,828.20	75.25	17.10	122.00	-1,872.43	-2,331.57	1,856.41	1,783.45	72.96	25.443		
6,700.00	4,904.97	4,889.97	4,889.97	76.71	17.32	123.51	-1,872.43	-2,331.57	1,913.13	1,840.22	72.91	26.239		
6,800.00	4,966.75	4,951.75	4,951.75	78.16	17.54	124.96	-1,872.43	-2,331.57	1,971.35	1,898.49	72.86	27.056		
6,900.00	5,028.52	5,013.52	5,013.52	79.62	17.76	126.37	-1,872.43	-2,331.57	2,030.95	1,958.14	72.82	27.891		
7,000.00	5,090.30	5,075.30	5,075.30	81.08	17.99	127.73	-1,872.43	-2,331.57	2,091.81	2,019.03	72.78	28.740		
7,100.00	5,152.08	5,137.08	5,137.08	82.54	18.21	129.04	-1,872.43	-2,331.57	2,153.82	2,081.06	72.76	29.602		
7,200.00	5,213.85	5,198.85	5,198.85	83.99	18.43	130.30	-1,872.43	-2,331.57	2,216.89	2,144.14	72.75	30.473		
7,300.00	5,275.63	5,260.63	5,260.63	85.45	18.65	131.52	-1,872.43	-2,331.57	2,280.92	2,208.17	72.75	31.351		
7,400.00	5,337.40	5,322.40	5,322.40	86.91	18.87	132.69	-1,872.43	-2,331.57	2,345.84	2,273.07	72.78	32.233		
7,500.00	5,399.18	5,384.18	5,384.18	88.37	19.09	133.83	-1,872.43	-2,331.57	2,411.58	2,338.77	72.82	33.119		
7,600.00	5,460.95	5,445.95	5,445.95	89.83	19.31	134.91	-1,872.43	-2,331.57	2,478.07	2,405.20	72.87	34.006		
7,700.00	5,522.73	5,507.73	5,507.73	91.29	19.54	135.96	-1,872.43	-2,331.57	2,545.26	2,472.31	72.95	34.892		
7,800.00	5,584.51	5,569.51	5,569.51	92.75	19.76	136.98	-1,872.43	-2,331.57	2,613.08	2,540.04	73.04	35.776		
7,900.00	5,646.28	5,631.28	5,631.28	94.20	19.98	137.95	-1,872.43	-2,331.57	2,681.49	2,608.34	73.15	36.657		
8,000.00	5,708.06	5,693.06	5,693.06	95.66	20.20	138.89	-1,872.43	-2,331.57	2,750.45	2,677.17	73.28	37.534		
8,100.00	5,769.83	5,754.83	5,754.83	97.12	20.42	139.79	-1,872.43	-2,331.57	2,819.91	2,746.49	73.42	38.406		
8,200.00	5,831.61	5,816.61	5,816.61	98.58	20.64	140.67	-1,872.43	-2,331.57	2,889.85	2,816.26	73.59	39.272		
8,300.00	5,893.39	5,878.39	5,878.39	100.04	20.86	141.51	-1,872.43	-2,331.57	2,960.22	2,886.46	73.77	40.130		
8,400.00	5,955.16	5,940.16	5,940.16	101.50	21.09	142.32	-1,872.43	-2,331.57	3,031.00	2,957.04	73.96	40.981		
8,500.00	6,016.94	6,001.94	6,001.94	102.96	21.31	143.10	-1,872.43	-2,331.57	3,102.16	3,027.99	74.17	41.824		
8,600.00	6,078.71	6,063.71	6,063.71	104.42	21.53	143.86	-1,872.43	-2,331.57	3,173.67	3,099.27	74.40	42.658		
8,700.00	6,140.49	6,125.49	6,125.49	105.88	21.75	144.59	-1,872.43	-2,331.57	3,245.51	3,170.87	74.64	43.483		
8,800.00	6,202.26	6,187.26	6,187.26	107.34	21.97	145.29	-1,872.43	-2,331.57	3,317.66	3,242.77	74.89	44.299		
8,900.00	6,264.04	6,249.04	6,249.04	108.80	22.19	145.97	-1,872.43	-2,331.57	3,390.10	3,314.93	75.16	45.104		
9,000.00	6,325.82	6,310.82	6,310.82	110.26	22.41	146.63	-1,872.43	-2,331.57	3,462.80	3,387.36	75.44	45.900		
9,100.00	6,387.59	6,372.59	6,372.59	111.72	22.64	147.26	-1,872.43	-2,331.57	3,535.76	3,460.03	75.74	46.685		
9,200.00	6,449.37	6,434.37	6,434.37	113.18	22.86	147.87	-1,872.43	-2,331.57	3,608.96	3,532.92	76.04	47.459		
9,300.00	6,511.14	6,496.14	6,496.14	114.64	23.08	148.47	-1,872.43	-2,331.57	3,682.39	3,606.03	76.36	48.223		
9,400.00	6,572.92	6,557.92	6,557.92	116.10	23.30	149.04	-1,872.43	-2,331.57	3,756.02	3,679.33	76.69	48.976		
9,500.00	6,634.70	6,619.70	6,619.70	117.56	23.52	149.60	-1,872.43	-2,331.57	3,829.86	3,752.83	77.03	49.718		
9,600.00	6,696.47	6,681.47	6,681.47	119.02	23.74	150.13	-1,872.43	-2,331.57	3,903.88	3,826.50	77.38	50.449		
9,700.00	6,758.22	6,743.22	6,743.22	120.48	23.96	148.64	-1,872.43	-2,331.57	3,978.06	3,900.32	77.74	51.169		
9,800.00	6,817.23	6,802.23	6,802.23	122.00	24.18	132.52	-1,872.43	-2,331.57	4,050.38	3,972.34	78.04	51.900		
9,900.00	6,870.40	6,855.40	6,855.40	123.58	24.37	119.40	-1,872.43	-2,331.57	4,118.22	4,039.99	78.24	52.638		
10,000.00	6,916.13	6,901.13	6,901.13	125.16	24.53	109.15	-1,872.43	-2,331.57	4,180.05	4,101.72	78.33	53.364		
10,100.00	6,953.01	6,938.01	6,938.01	126.69	24.66	101.41	-1,872.43	-2,331.57	4,234.55	4,156.22	78.33	54.060		
10,200.00	6,979.94	6,964.94	6,964.94	128.11	24.76	95.81	-1,872.43	-2,331.57	4,280.60	4,202.36	78.25	54.708		
10,300.00	6,996.09	6,981.09	6,981.09	129.37	24.82	92.04	-1,872.43	-2,331.57	4,317.30	4,239.21	78.09	55.286		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	7,001.00	6,986.00	6,986.00	130.45	24.83	90.00	-1,872.43	-2,331.57	4,343.93	4,266.05	77.88	55.778		
10,500.00	7,001.00	6,986.00	6,986.00	131.44	24.83	90.00	-1,872.43	-2,331.57	4,367.29	4,289.61	77.68	56.219		
10,600.00	7,001.00	6,986.00	6,986.00	132.48	24.83	90.00	-1,872.43	-2,331.57	4,392.81	4,315.27	77.54	56.653		
10,700.00	7,001.00	6,986.00	6,986.00	133.54	24.83	90.00	-1,872.43	-2,331.57	4,420.44	4,342.99	77.44	57.079		
10,800.00	7,001.00	6,986.00	6,986.00	134.64	24.83	90.00	-1,872.43	-2,331.57	4,450.14	4,372.74	77.40	57.496		
10,900.00	7,001.00	6,986.00	6,986.00	135.77	24.83	90.00	-1,872.43	-2,331.57	4,481.88	4,404.48	77.40	57.905		
11,000.00	7,001.00	6,986.00	6,986.00	136.94	24.83	90.00	-1,872.43	-2,331.57	4,515.62	4,438.17	77.45	58.306		
11,100.00	7,001.00	6,986.00	6,986.00	138.14	24.83	90.00	-1,872.43	-2,331.57	4,551.30	4,473.76	77.54	58.699		
11,200.00	7,001.00	6,986.00	6,986.00	139.38	24.83	90.00	-1,872.43	-2,331.57	4,588.88	4,511.21	77.67	59.084		
11,300.00	7,001.00	6,986.00	6,986.00	140.65	24.83	90.00	-1,872.43	-2,331.57	4,628.32	4,550.48	77.84	59.463		
11,400.00	7,001.00	6,986.00	6,986.00	141.95	24.83	90.00	-1,872.43	-2,331.57	4,669.56	4,591.52	78.04	59.836		
11,500.00	7,001.00	6,986.00	6,986.00	143.29	24.83	90.00	-1,872.43	-2,331.57	4,712.57	4,634.29	78.28	60.205		
11,600.00	7,001.00	6,986.00	6,986.00	144.66	24.83	90.00	-1,872.43	-2,331.57	4,757.29	4,678.75	78.54	60.569		
11,700.00	7,001.00	6,986.00	6,986.00	146.06	24.83	90.00	-1,872.43	-2,331.57	4,803.68	4,724.84	78.84	60.932		
11,800.00	7,001.00	6,986.00	6,986.00	147.50	24.83	90.00	-1,872.43	-2,331.57	4,851.68	4,772.53	79.16	61.293		
11,900.00	7,001.00	6,986.00	6,986.00	148.97	24.83	90.00	-1,872.43	-2,331.57	4,901.26	4,821.76	79.50	61.654		
12,000.00	7,001.00	6,986.00	6,986.00	150.47	24.83	90.00	-1,872.43	-2,331.57	4,952.36	4,872.50	79.86	62.016		
12,100.00	7,001.00	6,986.00	6,986.00	152.00	24.83	90.00	-1,872.43	-2,331.57	5,004.93	4,924.70	80.23	62.380		
12,200.00	7,001.00	6,986.00	6,986.00	153.57	24.83	90.00	-1,872.43	-2,331.57	5,058.94	4,978.31	80.62	62.747		
12,300.00	7,001.00	6,986.00	6,986.00	155.16	24.83	90.00	-1,872.43	-2,331.57	5,114.33	5,033.30	81.03	63.118		
12,400.00	7,001.00	6,986.00	6,986.00	156.79	24.83	90.00	-1,872.43	-2,331.57	5,171.06	5,089.62	81.44	63.493		
12,500.00	7,001.00	6,986.00	6,986.00	158.44	24.83	90.00	-1,872.43	-2,331.57	5,229.09	5,147.23	81.87	63.874		
12,600.00	7,001.00	6,986.00	6,986.00	160.13	24.83	90.00	-1,872.43	-2,331.57	5,288.37	5,206.08	82.29	64.261		
12,700.00	7,001.00	6,986.00	6,986.00	161.84	24.83	90.00	-1,872.43	-2,331.57	5,348.87	5,266.14	82.73	64.655		
12,800.00	7,001.00	6,986.00	6,986.00	163.58	24.83	90.00	-1,872.43	-2,331.57	5,410.54	5,327.37	83.17	65.056		
12,900.00	7,001.00	6,986.00	6,986.00	165.35	24.83	90.00	-1,872.43	-2,331.57	5,473.34	5,389.73	83.61	65.464		
13,000.00	7,001.00	6,986.00	6,986.00	167.14	24.83	90.00	-1,872.43	-2,331.57	5,537.23	5,453.18	84.05	65.880		
13,100.00	7,001.00	6,986.00	6,986.00	168.97	24.83	90.00	-1,872.43	-2,331.57	5,602.18	5,517.69	84.49	66.304		
13,200.00	7,001.00	6,986.00	6,986.00	170.81	24.83	90.00	-1,872.43	-2,331.57	5,668.15	5,583.22	84.93	66.737		
13,300.00	7,001.00	6,986.00	6,986.00	172.68	24.83	90.00	-1,872.43	-2,331.57	5,735.11	5,649.73	85.37	67.177		
13,400.00	7,001.00	6,986.00	6,986.00	174.58	24.83	90.00	-1,872.43	-2,331.57	5,803.01	5,717.20	85.81	67.627		
13,500.00	7,001.00	6,986.00	6,986.00	176.50	24.83	90.00	-1,872.43	-2,331.57	5,871.84	5,785.59	86.24	68.085		
13,600.00	7,001.00	6,986.00	6,986.00	178.44	24.83	90.00	-1,872.43	-2,331.57	5,941.55	5,854.87	86.67	68.552		
13,700.00	7,001.00	6,986.00	6,986.00	180.41	24.83	90.00	-1,872.43	-2,331.57	6,012.11	5,925.01	87.10	69.027		
13,800.00	7,001.00	6,986.00	6,986.00	182.39	24.83	90.00	-1,872.43	-2,331.57	6,083.50	5,995.98	87.52	69.511		
13,900.00	7,001.00	6,986.00	6,986.00	184.40	24.83	90.00	-1,872.43	-2,331.57	6,155.69	6,067.75	87.93	70.003		
14,000.00	7,001.00	6,986.00	6,986.00	186.43	24.83	90.00	-1,872.43	-2,331.57	6,228.64	6,140.30	88.34	70.504		
14,100.00	7,001.00	6,986.00	6,986.00	188.48	24.83	90.00	-1,872.43	-2,331.57	6,302.34	6,213.59	88.75	71.013		
14,200.00	7,001.00	6,986.00	6,986.00	190.54	24.83	90.00	-1,872.43	-2,331.57	6,376.75	6,287.61	89.15	71.530		
14,300.00	7,001.00	6,986.00	6,986.00	192.63	24.83	90.00	-1,872.43	-2,331.57	6,451.86	6,362.32	89.54	72.056		
14,400.00	7,001.00	6,986.00	6,986.00	194.73	24.83	90.00	-1,872.43	-2,331.57	6,527.63	6,437.71	89.93	72.589		
14,500.00	7,001.00	6,986.00	6,986.00	196.85	24.83	90.00	-1,872.43	-2,331.57	6,604.05	6,513.75	90.31	73.129		
14,600.00	7,001.00	6,986.00	6,986.00	198.99	24.83	90.00	-1,872.43	-2,331.57	6,681.09	6,590.41	90.68	73.678		
14,700.00	7,001.00	6,986.00	6,986.00	201.14	24.83	90.00	-1,872.43	-2,331.57	6,758.74	6,667.69	91.05	74.233		
14,800.00	7,001.00	6,986.00	6,986.00	203.31	24.83	90.00	-1,872.43	-2,331.57	6,836.96	6,745.55	91.41	74.796		
14,900.00	7,001.00	6,986.00	6,986.00	205.50	24.83	90.00	-1,872.43	-2,331.57	6,915.75	6,823.98	91.76	75.365		
15,000.00	7,001.00	6,986.00	6,986.00	207.70	24.83	90.00	-1,872.43	-2,331.57	6,995.07	6,902.96	92.11	75.942		
15,100.00	7,001.00	6,986.00	6,986.00	209.91	24.83	90.00	-1,872.43	-2,331.57	7,074.92	6,982.47	92.45	76.525		
15,200.00	7,001.00	6,986.00	6,986.00	212.14	24.83	90.00	-1,872.43	-2,331.57	7,155.28	7,062.49	92.79	77.114		
15,300.00	7,001.00	6,986.00	6,986.00	214.38	24.83	90.00	-1,872.43	-2,331.57	7,236.13	7,143.01	93.12	77.710		
15,400.00	7,001.00	6,986.00	6,986.00	216.64	24.83	90.00	-1,872.43	-2,331.57	7,317.45	7,224.01	93.44	78.311		
15,500.00	7,001.00	6,986.00	6,986.00	218.90	24.83	90.00	-1,872.43	-2,331.57	7,399.23	7,305.47	93.76	78.919		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	6,986.00	6,986.00	221.18	24.83	90.00	-1,872.43	-2,331.57	7,481.45	7,387.38	94.07	79.532		
15,700.00	7,001.00	6,986.00	6,986.00	223.47	24.83	90.00	-1,872.43	-2,331.57	7,564.10	7,469.73	94.37	80.150		
15,800.00	7,001.00	6,986.00	6,986.00	225.78	24.83	90.00	-1,872.43	-2,331.57	7,647.16	7,552.49	94.67	80.774		
15,900.00	7,001.00	6,986.00	6,986.00	228.09	24.83	90.00	-1,872.43	-2,331.57	7,730.63	7,635.66	94.97	81.403		
16,000.00	7,001.00	6,986.00	6,986.00	230.41	24.83	90.00	-1,872.43	-2,331.57	7,814.48	7,719.23	95.26	82.037		
16,100.00	7,001.00	6,986.00	6,986.00	232.75	24.83	90.00	-1,872.43	-2,331.57	7,898.71	7,803.17	95.54	82.676		
16,200.00	7,001.00	6,986.00	6,986.00	235.09	24.83	90.00	-1,872.43	-2,331.57	7,983.30	7,887.49	95.82	83.319		
16,300.00	7,001.00	6,986.00	6,986.00	237.45	24.83	90.00	-1,872.43	-2,331.57	8,068.25	7,972.16	96.09	83.967		
16,400.00	7,001.00	6,986.00	6,986.00	239.81	24.83	90.00	-1,872.43	-2,331.57	8,153.54	8,057.18	96.35	84.620		
16,500.00	7,001.00	6,986.00	6,986.00	242.18	24.83	90.00	-1,872.43	-2,331.57	8,239.15	8,142.54	96.62	85.276		
16,600.00	7,001.00	6,986.00	6,986.00	244.56	24.83	90.00	-1,872.43	-2,331.57	8,325.09	8,228.22	96.87	85.937		
16,700.00	7,001.00	6,986.00	6,986.00	246.95	24.83	90.00	-1,872.43	-2,331.57	8,411.34	8,314.21	97.13	86.602		
16,800.00	7,001.00	6,986.00	6,986.00	249.35	24.83	90.00	-1,872.43	-2,331.57	8,497.89	8,400.52	97.37	87.270		
16,900.00	7,001.00	6,986.00	6,986.00	251.75	24.83	90.00	-1,872.43	-2,331.57	8,584.73	8,487.12	97.62	87.942		
17,000.00	7,001.00	6,986.00	6,986.00	254.17	24.83	90.00	-1,872.43	-2,331.57	8,671.86	8,574.00	97.86	88.617		
17,100.00	7,001.00	6,986.00	6,986.00	256.59	24.83	90.00	-1,872.43	-2,331.57	8,759.26	8,661.17	98.09	89.296		
17,200.00	7,001.00	6,986.00	6,986.00	259.01	24.83	90.00	-1,872.43	-2,331.57	8,846.93	8,748.61	98.32	89.979		
17,300.00	7,001.00	6,986.00	6,986.00	261.45	24.83	90.00	-1,872.43	-2,331.57	8,934.86	8,836.31	98.55	90.664		
17,400.00	7,001.00	6,986.00	6,986.00	263.89	24.83	90.00	-1,872.43	-2,331.57	9,023.04	8,924.27	98.77	91.352		
17,500.00	7,001.00	6,986.00	6,986.00	266.34	24.83	90.00	-1,872.43	-2,331.57	9,111.46	9,012.47	98.99	92.044		
17,600.00	7,001.00	6,986.00	6,986.00	268.79	24.83	90.00	-1,872.43	-2,331.57	9,200.12	9,100.92	99.21	92.738		
17,700.00	7,001.00	6,986.00	6,986.00	271.25	24.83	90.00	-1,872.43	-2,331.57	9,289.01	9,189.59	99.42	93.435		
17,800.00	7,001.00	6,986.00	6,986.00	273.72	24.83	90.00	-1,872.43	-2,331.57	9,378.13	9,278.50	99.62	94.135		
17,900.00	7,001.00	6,986.00	6,986.00	276.19	24.83	90.00	-1,872.43	-2,331.57	9,467.46	9,367.63	99.83	94.837		
18,000.00	7,001.00	6,986.00	6,986.00	278.67	24.83	90.00	-1,872.43	-2,331.57	9,557.00	9,456.97	100.03	95.542		
18,100.00	7,001.00	6,986.00	6,986.00	281.15	24.83	90.00	-1,872.43	-2,331.57	9,646.75	9,546.52	100.23	96.249		
18,200.00	7,001.00	6,986.00	6,986.00	283.64	24.83	90.00	-1,872.43	-2,331.57	9,736.71	9,636.29	100.42	96.958		
18,300.00	7,001.00	6,986.00	6,986.00	286.15	24.83	90.00	-1,872.43	-2,331.57	9,827.76	9,727.15	100.60	97.689		
18,400.00	7,001.00	6,986.00	6,986.00	288.68	24.83	90.00	-1,872.43	-2,331.57	9,920.35	9,819.58	100.76	98.453		
18,500.00	7,001.00	6,986.00	6,986.00	291.24	24.83	90.00	-1,872.43	-2,331.57	10,014.09	9,913.18	100.91	99.241		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	92.97	92.96	0.27	0.15	-178.01	-2,115.64	-73.68	2,117.04	2,116.63	0.41	5,140.932		
200.00	200.00	185.00	184.98	0.63	0.46	-177.98	-2,114.58	-74.45	2,115.94	2,114.85	1.08	1,950.501		
226.45	226.45	197.16	197.14	0.72	0.50	-177.98	-2,114.57	-74.49	2,115.88	2,114.66	1.22	1,731.769		
300.00	300.00	251.43	251.41	0.99	0.69	-177.99	-2,114.83	-74.33	2,116.23	2,114.55	1.67	1,265.488		
400.00	399.98	316.80	316.76	1.33	0.91	-23.38	-2,115.94	-73.35	2,116.30	2,114.06	2.24	944.703		
500.00	499.84	366.00	365.91	1.67	1.08	-23.45	-2,117.61	-72.03	2,115.03	2,112.29	2.75	769.791		
600.00	599.45	458.00	457.72	2.03	1.41	-23.67	-2,122.30	-68.39	2,112.03	2,108.61	3.42	617.353		
700.00	698.70	512.16	511.67	2.41	1.61	-23.86	-2,126.00	-65.47	2,107.42	2,103.45	3.97	530.491		
800.00	797.47	580.54	579.64	2.81	1.87	-24.16	-2,131.83	-60.83	2,101.42	2,096.84	4.59	458.110		
900.00	895.62	644.00	642.61	3.25	2.12	-24.49	-2,137.95	-55.88	2,093.60	2,088.41	5.20	402.897		
1,000.00	993.06	709.09	706.98	3.72	2.39	-24.91	-2,145.45	-49.74	2,084.50	2,078.67	5.83	357.488		
1,100.00	1,089.64	778.63	775.49	4.23	2.68	-25.43	-2,154.54	-42.04	2,073.96	2,067.45	6.50	318.941		
1,200.00	1,185.27	850.01	845.55	4.78	3.01	-26.04	-2,164.62	-32.85	2,061.65	2,054.44	7.20	286.150		
1,300.00	1,279.82	925.00	918.81	5.38	3.36	-26.77	-2,176.30	-21.92	2,047.94	2,039.99	7.95	257.619		
1,400.00	1,373.17	992.91	984.79	6.03	3.70	-27.54	-2,187.54	-10.47	2,032.61	2,023.91	8.70	233.597		
1,500.00	1,465.21	1,078.67	1,067.56	6.72	4.16	-28.63	-2,201.90	6.80	2,015.30	2,005.73	9.57	210.503		
1,600.00	1,555.84	1,154.78	1,140.46	7.47	4.59	-29.75	-2,214.62	24.55	1,996.02	1,985.57	10.45	190.964		
1,700.00	1,644.94	1,223.86	1,206.13	8.27	5.00	-30.90	-2,226.60	42.34	1,975.50	1,964.16	11.34	174.193		
1,800.00	1,732.39	1,300.00	1,277.81	9.12	5.48	-32.29	-2,240.02	64.22	1,953.84	1,941.51	12.33	158.519		
1,900.00	1,818.11	1,366.94	1,340.27	10.02	5.93	-33.66	-2,251.88	85.19	1,931.13	1,917.80	13.32	144.950		
2,000.00	1,901.97	1,433.02	1,401.55	10.98	6.40	-35.12	-2,263.71	106.89	1,907.60	1,893.23	14.37	132.784		
2,100.00	1,983.88	1,498.16	1,461.82	11.98	6.86	-36.64	-2,275.83	128.44	1,883.63	1,868.18	15.46	121.865		
2,200.00	2,063.74	1,577.39	1,535.07	13.04	7.45	-38.52	-2,290.66	154.73	1,858.97	1,842.27	16.71	111.277		
2,300.00	2,141.45	1,661.55	1,613.03	14.14	8.07	-40.60	-2,306.22	182.33	1,833.45	1,815.40	18.05	101.568		
2,400.00	2,216.92	1,735.56	1,681.84	15.30	8.61	-42.57	-2,319.83	205.98	1,807.27	1,787.89	19.38	93.243		
2,500.00	2,290.05	1,801.07	1,742.81	16.50	9.10	-44.42	-2,332.03	226.58	1,780.99	1,760.28	20.71	85.980		
2,600.00	2,360.76	1,862.00	1,799.49	17.76	9.55	-46.25	-2,343.73	245.64	1,755.15	1,733.07	22.08	79.498		
2,700.00	2,428.95	1,942.53	1,874.43	19.05	10.15	-48.63	-2,359.01	270.84	1,729.59	1,705.92	23.67	73.067		
2,800.00	2,494.55	2,041.04	1,966.45	20.39	10.87	-51.61	-2,376.32	301.44	1,703.88	1,678.39	25.49	66.839		
2,900.00	2,557.49	2,109.74	2,030.91	21.78	11.36	-53.88	-2,387.59	322.35	1,678.42	1,651.26	27.16	61.799		
3,000.00	2,619.27	2,166.43	2,084.16	23.18	11.77	-55.46	-2,396.82	339.48	1,655.44	1,626.65	28.79	57.503		
3,100.00	2,681.04	2,214.58	2,129.29	24.60	12.12	-56.82	-2,404.81	354.23	1,636.43	1,606.05	30.38	53.862		
3,200.00	2,742.82	2,270.76	2,181.83	26.02	12.53	-58.42	-2,414.37	371.66	1,621.53	1,589.46	32.07	50.559		
3,300.00	2,804.59	2,331.00	2,238.25	27.44	12.97	-60.14	-2,424.76	390.05	1,610.41	1,576.59	33.82	47.617		
3,400.00	2,866.37	2,387.12	2,290.80	28.87	13.38	-61.74	-2,434.55	407.15	1,603.29	1,567.75	35.54	45.109		
3,500.00	2,928.15	2,440.50	2,340.68	30.30	13.78	-63.27	-2,443.90	423.68	1,600.41	1,563.17	37.24	42.972		
3,518.09	2,939.32	2,450.41	2,349.94	30.56	13.85	-63.56	-2,445.64	426.78	1,600.34	1,562.79	37.55	42.615 CC, ES		
3,600.00	2,989.92	2,494.98	2,391.52	31.73	14.18	-64.84	-2,453.39	440.83	1,601.76	1,562.81	38.95	41.121		
3,700.00	3,051.70	2,549.45	2,442.27	33.17	14.59	-66.41	-2,462.82	458.22	1,607.33	1,566.68	40.65	39.542		
3,800.00	3,113.47	2,604.76	2,493.76	34.61	15.01	-68.00	-2,472.63	475.88	1,617.06	1,574.72	42.34	38.196		
3,900.00	3,175.25	2,673.21	2,557.51	36.05	15.53	-69.95	-2,484.88	497.59	1,630.64	1,586.49	44.15	36.931		
4,000.00	3,237.03	2,739.97	2,619.83	37.49	16.03	-71.83	-2,496.65	518.45	1,647.68	1,601.75	45.93	35.873		
4,100.00	3,298.80	2,799.00	2,674.98	38.93	16.47	-73.48	-2,507.17	536.64	1,668.22	1,620.64	47.59	35.058		
4,200.00	3,360.58	2,853.59	2,725.94	40.37	16.88	-74.98	-2,517.20	553.44	1,692.42	1,643.27	49.15	34.433		
4,300.00	3,422.35	2,910.81	2,779.23	41.82	17.31	-76.53	-2,528.12	571.21	1,720.29	1,669.58	50.71	33.923		
4,400.00	3,484.13	2,990.01	2,853.17	43.27	17.91	-78.65	-2,542.90	595.45	1,750.99	1,698.46	52.53	33.335		
4,500.00	3,545.90	3,042.49	2,902.24	44.72	18.30	-80.04	-2,552.31	611.50	1,784.54	1,730.59	53.95	33.081		
4,600.00	3,607.68	3,095.92	2,952.16	46.16	18.70	-81.44	-2,561.57	628.14	1,821.22	1,765.90	55.33	32.917		
4,700.00	3,669.46	3,151.55	3,004.12	47.61	19.11	-82.88	-2,571.02	645.63	1,860.81	1,804.12	56.69	32.822		
4,800.00	3,731.23	3,212.03	3,060.58	49.06	19.57	-84.42	-2,581.21	664.74	1,903.06	1,844.98	58.08	32.764		
4,900.00	3,793.01	3,280.27	3,124.33	50.52	20.08	-86.12	-2,592.92	686.10	1,947.60	1,888.05	59.55	32.707		
5,000.00	3,854.78	3,374.29	3,212.53	51.97	20.77	-88.40	-2,608.78	714.54	1,993.71	1,932.37	61.34	32.502		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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-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		
5,100.00	3,916.56	3,468.65	3,301.57	53.42	21.43	-90.60	-2,624.88	741.31	2,040.68	1,977.58	63.10	32.341 SF		
5,200.00	3,978.34	3,516.93	3,347.10	54.87	21.78	-91.69	-2,633.49	754.84	2,089.48	2,025.30	64.18	32.556		
5,300.00	4,040.11	3,570.45	3,397.44	56.32	22.16	-92.87	-2,643.38	770.13	2,140.43	2,075.12	65.30	32.777		
5,400.00	4,101.89	3,633.85	3,457.05	57.78	22.61	-94.23	-2,655.04	788.28	2,193.06	2,126.52	66.54	32.958		
5,500.00	4,163.66	3,692.36	3,512.11	59.23	23.03	-95.46	-2,665.59	805.02	2,247.23	2,179.56	67.67	33.207		
5,600.00	4,225.44	3,751.59	3,567.87	60.69	23.46	-96.68	-2,676.02	822.06	2,302.94	2,234.15	68.78	33.480		
5,700.00	4,287.21	3,816.51	3,629.09	62.14	23.92	-97.99	-2,687.04	840.65	2,359.95	2,290.00	69.95	33.737		
5,800.00	4,348.99	3,861.86	3,671.88	63.60	24.24	-98.88	-2,694.54	853.67	2,418.32	2,347.52	70.80	34.158		
5,900.00	4,410.77	3,901.82	3,709.46	65.05	24.53	-99.65	-2,701.25	865.48	2,478.37	2,406.83	71.54	34.645		
6,000.00	4,472.54	3,947.81	3,752.57	66.51	24.87	-100.52	-2,709.11	879.43	2,539.96	2,467.61	72.35	35.107		
6,100.00	4,534.32	4,001.23	3,802.53	67.96	25.26	-101.50	-2,718.50	895.84	2,602.75	2,529.48	73.27	35.522		
6,200.00	4,596.09	4,054.74	3,852.47	69.42	25.67	-102.44	-2,728.19	912.45	2,666.61	2,592.42	74.19	35.944		
6,300.00	4,657.87	4,111.00	3,904.87	70.88	26.10	-103.40	-2,738.60	930.09	2,731.46	2,656.32	75.14	36.350		
6,400.00	4,719.64	4,161.90	3,952.19	72.33	26.49	-104.25	-2,748.19	946.19	2,797.23	2,721.23	76.01	36.803		
6,500.00	4,781.42	4,236.87	4,021.84	73.79	27.06	-105.44	-2,762.42	970.01	2,863.81	2,786.55	77.27	37.065		
6,600.00	4,843.20	4,339.03	4,117.49	75.25	27.83	-107.04	-2,780.83	1,000.79	2,930.08	2,851.14	78.94	37.116		
6,700.00	4,904.97	4,404.83	4,179.16	76.71	28.31	-108.02	-2,792.97	1,020.29	2,996.71	2,916.69	80.01	37.453		
6,800.00	4,966.75	4,460.36	4,231.23	78.16	28.72	-108.82	-2,803.07	1,036.72	3,063.96	2,983.05	80.91	37.870		
6,900.00	5,028.52	4,517.44	4,284.83	79.62	29.13	-109.64	-2,813.07	1,053.60	3,131.88	3,050.07	81.81	38.281		
7,000.00	5,090.30	4,576.12	4,339.98	81.08	29.56	-110.46	-2,823.13	1,070.93	3,200.38	3,117.65	82.73	38.683		
7,100.00	5,152.08	4,628.31	4,389.06	82.54	29.94	-111.17	-2,831.89	1,086.36	3,269.48	3,185.95	83.54	39.138		
7,200.00	5,213.85	4,673.00	4,431.10	83.99	30.26	-111.77	-2,839.22	1,099.63	3,339.23	3,255.02	84.21	39.652		
7,300.00	5,275.63	4,719.04	4,474.35	85.45	30.60	-112.37	-2,846.75	1,113.49	3,409.69	3,324.78	84.91	40.157		
7,400.00	5,337.40	4,767.00	4,519.26	86.91	30.95	-112.97	-2,854.75	1,128.30	3,480.92	3,395.29	85.64	40.648		
7,500.00	5,399.18	4,837.42	4,565.21	88.37	31.47	-113.84	-2,866.48	1,150.04	3,552.59	3,465.85	86.74	40.959		
7,600.00	5,460.95	4,952.97	4,693.98	89.83	32.30	-115.21	-2,885.16	1,184.26	3,624.03	3,535.48	88.54	40.930		
7,700.00	5,522.73	5,013.85	4,751.49	91.29	32.73	-115.92	-2,894.89	1,201.71	3,695.29	3,605.84	89.45	41.310		
7,800.00	5,584.51	5,048.00	4,783.73	92.75	32.97	-116.30	-2,900.43	1,211.53	3,767.00	3,677.06	89.94	41.884		
7,900.00	5,646.28	5,098.76	4,831.51	94.20	33.34	-116.85	-2,908.83	1,226.44	3,839.24	3,748.54	90.70	42.330		
8,000.00	5,708.06	5,141.00	4,871.09	95.66	33.64	-117.29	-2,916.05	1,239.32	3,912.23	3,820.91	91.32	42.840		
8,100.00	5,769.83	5,242.12	4,965.82	97.12	34.39	-118.31	-2,933.65	1,270.00	3,985.44	3,892.51	92.93	42.886		
8,200.00	5,831.61	5,340.61	5,045.94	98.58	37.65	-124.36	-3,010.62	1,388.75	4,051.68	3,951.21	100.47	40.329		
8,300.00	5,893.39	5,394.03	5,103.74	100.04	37.98	-125.34	-3,016.43	1,397.73	4,116.63	4,015.29	101.35	40.619		
8,400.00	5,955.16	5,442.95	5,161.28	101.50	38.32	-126.50	-3,020.66	1,405.76	4,181.41	4,079.16	102.26	40.891		
8,500.00	6,016.94	5,497.53	5,219.69	102.96	38.90	-129.06	-3,023.00	1,412.99	4,245.29	4,141.56	103.73	40.925		
8,600.00	6,078.71	5,554.56	5,277.72	104.42	39.02	-129.70	-3,023.09	1,413.05	4,308.14	4,203.95	104.18	41.352		
8,700.00	6,140.49	5,611.93	5,335.09	105.88	39.15	-130.38	-3,023.29	1,413.14	4,371.47	4,266.81	104.65	41.772		
8,800.00	6,202.26	5,669.71	5,392.87	107.34	39.28	-131.08	-3,023.53	1,413.12	4,435.18	4,330.06	105.12	42.191		
8,900.00	6,264.04	5,727.53	5,450.19	108.80	39.42	-131.79	-3,023.83	1,412.97	4,499.24	4,393.65	105.59	42.611		
9,000.00	6,325.82	5,785.30	5,507.96	110.26	39.58	-132.62	-3,024.28	1,412.45	4,563.50	4,457.39	106.12	43.005		
9,100.00	6,387.59	5,847.07	5,566.73	111.72	39.67	-133.11	-3,024.51	1,412.02	4,628.10	4,521.62	106.48	43.466		
9,200.00	6,449.37	5,908.84	5,625.50	113.18	39.78	-133.66	-3,024.63	1,411.59	4,693.23	4,586.37	106.86	43.920		
9,300.00	6,511.14	5,970.61	5,684.27	114.64	39.93	-134.44	-3,024.92	1,410.75	4,758.59	4,651.23	107.36	44.325		
9,400.00	6,572.92	6,032.38	5,743.04	116.10	40.04	-134.98	-3,025.19	1,410.07	4,824.21	4,716.47	107.74	44.778		
9,500.00	6,634.70	6,094.15	5,801.81	117.56	40.14	-135.47	-3,025.44	1,409.45	4,890.22	4,782.12	108.10	45.240		
9,600.00	6,696.47	6,155.92	5,860.58	119.02	40.24	-135.93	-3,025.65	1,408.96	4,956.69	4,848.25	108.43	45.711		
9,700.00	6,758.22	6,217.69	5,919.35	120.48	40.34	-137.73	-3,025.76	1,408.51	5,023.67	4,914.90	108.77	46.184		
9,800.00	6,819.97	6,279.46	5,978.12	121.94	40.46	-151.17	-3,025.60	1,407.88	5,097.28	4,988.11	109.17	46.692		
9,900.00	6,881.74	6,341.23	6,036.89	123.40	40.65	-167.12	-3,025.34	1,405.76	5,179.13	5,069.37	109.76	47.186		
10,000.00	6,943.51	6,403.00	6,095.66	124.86	40.74	-173.33	-3,025.61	1,404.82	5,267.00	5,156.94	110.06	47.857		
10,100.00	6,999.99	6,459.99	6,152.65	126.32	40.82	-179.01	-3,026.10	1,404.23	5,358.33	5,248.07	110.27	48.593		
10,200.00	7,056.48	6,516.48	6,209.64	127.78	40.88	-184.89	-3,026.60	1,403.90	5,450.47	5,340.09	110.38	49.379		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
10,300.00	6,996.09	7,369.42	7,073.49	129.37	40.92	104.15	-3,026.97	1,403.74	5,540.79	5,430.40	110.39	50.193		
10,400.00	7,001.00	7,375.22	7,079.29	130.45	40.93	91.99	-3,027.10	1,403.70	5,626.84	5,516.53	110.31	51.008		
10,500.00	7,001.00	7,375.96	7,080.04	131.44	40.93	92.01	-3,027.12	1,403.69	5,710.71	5,600.49	110.22	51.814		
10,600.00	7,001.00	7,376.69	7,080.77	132.48	40.93	92.02	-3,027.14	1,403.68	5,795.09	5,684.96	110.13	52.622		
10,700.00	7,001.00	7,377.41	7,081.48	133.54	40.93	92.03	-3,027.15	1,403.68	5,879.96	5,769.91	110.05	53.431		
10,800.00	7,001.00	7,378.11	7,082.18	134.64	40.93	92.05	-3,027.17	1,403.67	5,965.30	5,855.33	109.97	54.243		
10,900.00	7,001.00	7,378.80	7,082.87	135.77	40.94	92.06	-3,027.19	1,403.67	6,051.09	5,941.18	109.91	55.056		
11,000.00	7,001.00	7,379.47	7,083.54	136.94	40.94	92.07	-3,027.20	1,403.66	6,137.31	6,027.46	109.85	55.870		
11,100.00	7,001.00	7,380.13	7,084.21	138.14	40.94	92.08	-3,027.22	1,403.66	6,223.94	6,114.14	109.80	56.686		
11,200.00	7,001.00	7,380.78	7,084.85	139.38	40.94	92.09	-3,027.23	1,403.65	6,310.97	6,201.22	109.75	57.503		
11,300.00	7,001.00	7,381.42	7,085.49	140.65	40.94	92.11	-3,027.25	1,403.65	6,398.37	6,288.66	109.71	58.321		
11,400.00	7,001.00	7,382.05	7,086.12	141.95	40.94	92.12	-3,027.26	1,403.65	6,486.14	6,376.47	109.67	59.141		
11,500.00	7,001.00	7,382.66	7,086.73	143.29	40.94	92.13	-3,027.28	1,403.64	6,574.26	6,464.62	109.64	59.961		
11,600.00	7,001.00	7,383.26	7,087.34	144.66	40.94	92.14	-3,027.29	1,403.64	6,662.71	6,553.10	109.61	60.783		
11,700.00	7,001.00	7,383.86	7,087.93	146.06	40.95	92.15	-3,027.31	1,403.63	6,751.49	6,641.90	109.59	61.605		
11,800.00	7,001.00	7,390.00	7,094.07	147.50	40.96	92.27	-3,027.46	1,403.59	6,840.58	6,730.97	109.60	62.412		
11,900.00	7,001.00	7,390.00	7,094.07	148.97	40.96	92.27	-3,027.46	1,403.59	6,929.96	6,820.38	109.59	63.238		
12,000.00	7,001.00	7,390.00	7,094.07	150.47	40.96	92.27	-3,027.46	1,403.59	7,019.63	6,910.06	109.57	64.064		
12,100.00	7,001.00	7,390.00	7,094.07	152.00	40.96	92.27	-3,027.46	1,403.59	7,109.58	7,000.01	109.56	64.891		
12,200.00	7,001.00	7,390.00	7,094.07	153.57	40.96	92.27	-3,027.46	1,403.59	7,199.79	7,090.23	109.55	65.719		
12,300.00	7,001.00	7,390.00	7,094.07	155.16	40.96	92.27	-3,027.46	1,403.59	7,290.25	7,180.70	109.55	66.548		
12,400.00	7,001.00	7,390.00	7,094.07	156.79	40.96	92.27	-3,027.46	1,403.59	7,380.96	7,271.42	109.55	67.377		
12,500.00	7,001.00	7,390.00	7,094.07	158.44	40.96	92.27	-3,027.46	1,403.59	7,471.91	7,362.36	109.55	68.207		
12,600.00	7,001.00	7,390.00	7,094.07	160.13	40.96	92.27	-3,027.46	1,403.59	7,563.09	7,453.54	109.55	69.037		
12,700.00	7,001.00	7,390.00	7,094.07	161.84	40.96	92.27	-3,027.46	1,403.59	7,654.49	7,544.93	109.56	69.867		
12,800.00	7,001.00	7,390.00	7,094.07	163.58	40.96	92.27	-3,027.46	1,403.59	7,746.10	7,636.53	109.57	70.698		
12,900.00	7,001.00	7,390.00	7,094.07	165.35	40.96	92.27	-3,027.46	1,403.59	7,837.91	7,728.34	109.58	71.530		
13,000.00	7,001.00	7,390.00	7,094.07	167.14	40.96	92.27	-3,027.46	1,403.59	7,929.93	7,820.34	109.59	72.362		
13,100.00	7,001.00	7,390.00	7,094.07	168.97	40.96	92.27	-3,027.46	1,403.59	8,022.13	7,912.53	109.60	73.194		
13,200.00	7,001.00	7,390.00	7,094.07	170.81	40.96	92.27	-3,027.46	1,403.59	8,114.52	8,004.90	109.62	74.026		
13,300.00	7,001.00	7,390.00	7,094.07	172.68	40.96	92.27	-3,027.46	1,403.59	8,207.09	8,097.46	109.63	74.859		
13,400.00	7,001.00	7,390.00	7,094.07	174.58	40.96	92.27	-3,027.46	1,403.59	8,299.83	8,190.18	109.65	75.692		
13,500.00	7,001.00	7,393.66	7,097.73	176.50	40.97	92.33	-3,027.56	1,403.57	8,392.74	8,283.04	109.69	76.511		
13,600.00	7,001.00	7,394.21	7,098.28	178.44	40.97	92.34	-3,027.57	1,403.57	8,485.80	8,376.09	109.72	77.342		
13,700.00	7,001.00	7,394.76	7,098.83	180.41	40.97	92.35	-3,027.58	1,403.56	8,579.03	8,469.28	109.74	78.174		
13,800.00	7,001.00	7,395.31	7,099.38	182.39	40.97	92.36	-3,027.60	1,403.56	8,672.40	8,562.63	109.77	79.005		
13,900.00	7,001.00	7,395.86	7,099.93	184.40	40.97	92.37	-3,027.61	1,403.56	8,765.92	8,656.12	109.80	79.836		
14,000.00	7,001.00	7,396.40	7,100.47	186.43	40.97	92.38	-3,027.63	1,403.56	8,859.59	8,749.76	109.83	80.668		
14,100.00	7,001.00	7,396.94	7,101.01	188.48	40.97	92.39	-3,027.64	1,403.55	8,953.38	8,843.53	109.86	81.499		
14,200.00	7,001.00	7,397.48	7,101.55	190.54	40.98	92.40	-3,027.65	1,403.55	9,047.32	8,937.43	109.89	82.331		
14,300.00	7,001.00	7,398.02	7,102.08	192.63	40.98	92.41	-3,027.67	1,403.55	9,141.38	9,031.46	109.92	83.162		
14,400.00	7,001.00	7,398.55	7,102.62	194.73	40.98	92.42	-3,027.68	1,403.54	9,235.56	9,125.61	109.96	83.994		
14,500.00	7,001.00	7,399.08	7,103.15	196.85	40.98	92.43	-3,027.69	1,403.54	9,329.87	9,219.88	109.99	84.825		
14,600.00	7,001.00	7,399.61	7,103.67	198.99	40.98	92.44	-3,027.71	1,403.54	9,424.29	9,314.27	110.02	85.656		
14,700.00	7,001.00	7,400.13	7,104.20	201.14	40.98	92.45	-3,027.72	1,403.53	9,518.83	9,408.77	110.06	86.488		
14,800.00	7,001.00	7,400.65	7,104.72	203.31	40.98	92.46	-3,027.74	1,403.53	9,613.48	9,503.38	110.10	87.319		
14,900.00	7,001.00	7,401.17	7,105.24	205.50	40.98	92.47	-3,027.75	1,403.53	9,708.24	9,598.10	110.13	88.150		
15,000.00	7,001.00	7,401.69	7,105.76	207.70	40.98	92.48	-3,027.76	1,403.52	9,803.10	9,692.92	110.17	88.981		
15,100.00	7,001.00	7,402.21	7,106.27	209.91	40.99	92.49	-3,027.78	1,403.52	9,898.06	9,787.85	110.21	89.811		
15,200.00	7,001.00	7,402.72	7,106.78	212.14	40.99	92.50	-3,027.79	1,403.52	9,993.12	9,882.87	110.25	90.642		
15,300.00	7,001.00	7,403.23	7,107.29	214.38	40.99	92.51	-3,027.80	1,403.52	10,088.27	9,977.98	110.29	91.472		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	88.18	88.18	0.27	0.14	-177.20	-2,116.61	-103.63	2,119.22	2,118.81	0.40	5,270.786		
200.00	200.00	186.00	185.99	0.63	0.46	-177.16	-2,115.84	-104.93	2,118.49	2,117.40	1.09	1,941.966		
300.00	300.00	277.00	276.98	0.99	0.79	-177.14	-2,115.33	-105.63	2,117.98	2,116.21	1.77	1,194.437		
400.00	399.98	367.00	366.98	1.33	1.09	-22.53	-2,115.51	-105.30	2,116.52	2,114.09	2.42	872.914		
500.00	499.84	414.90	414.87	1.67	1.26	-22.60	-2,116.37	-104.84	2,113.27	2,110.34	2.93	721.867		
600.00	599.45	458.00	457.94	2.03	1.41	-22.69	-2,117.89	-104.31	2,108.97	2,105.55	3.42	616.413		
700.00	698.70	550.00	549.77	2.41	1.73	-22.91	-2,123.04	-102.29	2,103.21	2,099.11	4.10	513.127		
800.00	797.47	616.00	615.56	2.81	1.96	-23.15	-2,127.82	-100.17	2,095.67	2,090.97	4.70	446.285		
900.00	895.62	689.34	688.60	3.25	2.23	-23.47	-2,133.68	-97.02	2,085.90	2,080.57	5.33	391.181		
1,000.00	993.06	755.62	754.51	3.72	2.49	-23.82	-2,139.92	-93.93	2,074.43	2,068.48	5.96	348.309		
1,100.00	1,089.64	832.00	830.26	4.23	2.78	-24.29	-2,148.54	-89.38	2,061.59	2,054.96	6.63	310.795		
1,200.00	1,185.27	883.40	881.11	4.78	2.99	-24.69	-2,155.17	-85.87	2,047.21	2,039.97	7.23	283.035		
1,300.00	1,279.82	949.04	945.93	5.38	3.27	-25.21	-2,164.52	-81.34	2,031.42	2,023.51	7.91	256.935		
1,400.00	1,373.17	1,019.00	1,014.80	6.03	3.57	-25.82	-2,175.58	-76.07	2,014.22	2,005.60	8.62	233.713		
1,500.00	1,465.21	1,083.72	1,078.31	6.72	3.86	-26.48	-2,186.68	-70.47	1,995.54	1,986.20	9.34	213.690		
1,600.00	1,555.84	1,150.24	1,143.37	7.47	4.17	-27.23	-2,198.85	-63.77	1,975.36	1,965.27	10.09	195.786		
1,700.00	1,644.94	1,207.00	1,198.68	8.27	4.44	-27.96	-2,209.98	-57.56	1,953.96	1,943.13	10.83	180.389		
1,800.00	1,732.39	1,269.53	1,259.32	9.12	4.75	-28.82	-2,223.22	-50.01	1,931.60	1,919.96	11.64	166.005		
1,900.00	1,818.11	1,324.87	1,312.67	10.02	5.04	-29.68	-2,235.90	-42.53	1,908.56	1,896.11	12.44	153.379		
2,000.00	1,901.97	1,394.00	1,378.85	10.98	5.42	-30.80	-2,253.04	-32.35	1,885.03	1,871.67	13.36	141.088		
2,100.00	1,983.88	1,436.69	1,419.48	11.98	5.67	-31.63	-2,264.28	-25.63	1,860.80	1,846.61	14.19	131.134		
2,200.00	2,063.74	1,488.00	1,468.10	13.04	5.98	-32.65	-2,278.37	-17.19	1,836.15	1,821.04	15.11	121.546		
2,300.00	2,141.45	1,551.77	1,528.17	14.14	6.38	-33.92	-2,296.72	-6.16	1,811.04	1,794.89	16.15	112.145		
2,400.00	2,216.92	1,610.23	1,582.90	15.30	6.75	-35.19	-2,314.33	4.42	1,785.65	1,768.43	17.22	103.701		
2,500.00	2,290.05	1,675.00	1,643.21	16.50	7.19	-36.66	-2,334.57	16.58	1,759.99	1,741.60	18.39	95.690		
2,600.00	2,360.76	1,727.76	1,692.09	17.76	7.55	-37.98	-2,351.66	26.70	1,734.20	1,714.64	19.56	88.668		
2,700.00	2,428.95	1,787.04	1,746.76	19.05	7.97	-39.49	-2,371.54	38.11	1,708.49	1,687.65	20.84	81.988		
2,800.00	2,494.55	1,850.68	1,805.24	20.39	8.44	-41.16	-2,393.50	50.25	1,682.79	1,660.56	22.23	75.700		
2,900.00	2,557.49	1,925.36	1,873.74	21.78	8.99	-43.12	-2,419.75	64.22	1,656.99	1,633.19	23.79	69.636		
3,000.00	2,619.27	1,998.05	1,940.43	23.18	9.53	-44.75	-2,445.40	77.57	1,632.32	1,606.89	25.42	64.202		
3,100.00	2,681.04	2,073.47	2,009.54	24.60	10.10	-46.49	-2,472.07	91.78	1,610.15	1,583.00	27.15	59.307		
3,200.00	2,742.82	2,158.46	2,087.60	26.02	10.74	-48.49	-2,501.56	107.91	1,589.95	1,560.92	29.03	54.771		
3,300.00	2,804.59	2,222.32	2,146.20	27.44	11.23	-50.01	-2,523.83	120.05	1,572.43	1,541.64	30.79	51.069		
3,400.00	2,866.37	2,310.00	2,226.63	28.87	11.90	-52.11	-2,554.59	136.55	1,557.60	1,524.77	32.83	47.441		
3,500.00	2,928.15	2,423.91	2,331.88	30.30	12.75	-54.89	-2,593.01	157.09	1,544.17	1,508.98	35.19	43.882		
3,600.00	2,989.92	2,502.10	2,404.57	31.73	13.32	-56.83	-2,618.30	170.87	1,532.36	1,495.08	37.27	41.110		
3,700.00	3,051.70	2,582.23	2,479.15	33.17	13.91	-58.84	-2,644.01	184.92	1,523.18	1,483.74	39.43	38.629		
3,800.00	3,113.47	2,657.59	2,549.35	34.61	14.46	-60.73	-2,668.23	197.76	1,516.65	1,475.07	41.58	36.475		
3,900.00	3,175.25	2,724.69	2,611.82	36.05	14.95	-62.42	-2,689.83	209.31	1,513.16	1,469.49	43.68	34.646		
3,946.59	3,204.03	2,751.42	2,636.64	36.72	15.15	-63.09	-2,698.57	214.00	1,512.75	1,468.14	44.61	33.913 CC		
4,000.00	3,237.03	2,782.15	2,665.11	37.49	15.37	-63.86	-2,708.76	219.48	1,513.29	1,467.61	45.67	33.132 ES		
4,100.00	3,298.80	2,849.58	2,727.40	38.93	15.88	-65.55	-2,731.50	231.71	1,517.00	1,469.21	47.79	31.742		
4,200.00	3,360.58	2,934.70	2,806.01	40.37	16.53	-67.67	-2,760.28	247.14	1,523.65	1,473.52	50.13	30.394		
4,300.00	3,422.35	3,033.30	2,897.62	41.82	17.26	-70.12	-2,792.50	264.20	1,532.02	1,479.38	52.64	29.104		
4,400.00	3,484.13	3,110.76	2,969.83	43.27	17.83	-72.03	-2,817.45	276.96	1,542.46	1,487.59	54.87	28.110		
4,500.00	3,545.90	3,174.00	3,028.70	44.72	18.29	-73.58	-2,837.89	287.73	1,556.09	1,499.19	56.90	27.349		
4,600.00	3,607.68	3,241.45	3,091.37	46.16	18.79	-75.22	-2,859.84	299.59	1,572.86	1,513.92	58.94	26.686		
4,700.00	3,669.46	3,318.68	3,163.07	47.61	19.36	-77.07	-2,885.03	313.30	1,592.39	1,531.31	61.08	26.072		
4,800.00	3,731.23	3,396.31	3,235.34	49.06	19.94	-78.92	-2,909.85	327.04	1,614.18	1,551.01	63.18	25.550		
4,900.00	3,793.01	3,471.98	3,305.90	50.52	20.49	-80.70	-2,933.52	340.67	1,638.44	1,573.25	65.20	25.130		
5,000.00	3,854.78	3,560.24	3,388.46	51.97	21.13	-82.75	-2,960.58	356.22	1,664.62	1,597.27	67.35	24.716		
5,100.00	3,916.56	3,633.09	3,456.81	53.42	21.64	-84.43	-2,982.31	368.99	1,692.85	1,623.63	69.22	24.457		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	3,978.34	3,696.59	3,516.43	54.87	22.09	-85.87	-3,000.95	380.40	1,723.51	1,652.63	70.88	24.316		
5,300.00	4,040.11	3,798.19	3,611.85	56.32	22.81	-88.12	-3,030.69	398.66	1,756.46	1,683.40	73.06	24.042		
5,400.00	4,101.89	3,885.06	3,694.01	57.78	23.40	-90.01	-3,055.14	412.70	1,789.72	1,714.77	74.95	23.878		
5,500.00	4,163.66	3,949.24	3,754.55	59.23	23.84	-91.36	-3,073.74	423.06	1,825.09	1,748.64	76.46	23.871 SF		
5,600.00	4,225.44	4,017.00	3,818.19	60.69	24.32	-92.73	-3,094.08	434.40	1,862.80	1,784.83	77.97	23.891		
5,700.00	4,287.21	4,064.51	3,862.57	62.14	24.67	-93.66	-3,108.88	442.67	1,902.73	1,823.61	79.12	24.049		
5,800.00	4,348.99	4,121.43	3,915.42	63.60	25.09	-94.73	-3,127.32	452.97	1,944.87	1,864.49	80.37	24.198		
5,900.00	4,410.77	4,182.02	3,971.34	65.05	25.56	-95.83	-3,147.72	464.33	1,988.93	1,907.26	81.67	24.355		
6,000.00	4,472.54	4,248.06	4,031.90	66.51	26.08	-96.96	-3,170.77	477.05	2,034.66	1,951.63	83.03	24.504		
6,100.00	4,534.32	4,331.10	4,107.64	67.96	26.75	-98.32	-3,200.79	493.13	2,081.64	1,996.93	84.71	24.574		
6,200.00	4,596.09	4,420.51	4,189.25	69.42	27.47	-99.71	-3,233.42	509.55	2,128.77	2,042.28	86.48	24.615		
6,300.00	4,657.87	4,486.00	4,248.89	70.88	28.01	-100.70	-3,257.50	521.85	2,177.15	2,089.36	87.79	24.799		
6,400.00	4,719.64	4,549.59	4,306.77	72.33	28.52	-101.63	-3,280.80	534.12	2,226.77	2,137.73	89.04	25.009		
6,500.00	4,781.42	4,642.94	4,392.01	73.79	29.28	-102.96	-3,314.40	551.98	2,277.12	2,186.30	90.82	25.072		
6,600.00	4,843.20	4,729.48	4,471.20	75.25	29.97	-104.15	-3,345.54	567.76	2,327.50	2,235.05	92.46	25.173		
6,700.00	4,904.97	4,816.17	4,550.08	76.71	30.68	-105.26	-3,377.91	583.42	2,378.40	2,284.31	94.10	25.276		
6,800.00	4,966.75	4,904.36	4,630.91	78.16	31.37	-106.38	-3,409.68	598.76	2,429.50	2,333.78	95.72	25.381		
6,900.00	5,028.52	4,981.42	4,702.16	79.62	31.96	-107.37	-3,435.97	611.79	2,481.03	2,383.94	97.09	25.554		
7,000.00	5,090.30	5,048.00	4,764.08	81.08	32.46	-108.22	-3,457.68	623.05	2,533.36	2,435.13	98.23	25.790		
7,100.00	5,152.08	5,114.38	4,826.10	82.54	32.94	-109.07	-3,478.45	634.37	2,586.58	2,487.26	99.32	26.042		
7,200.00	5,213.85	5,198.84	4,905.36	83.99	33.54	-110.13	-3,503.87	648.70	2,640.53	2,539.84	100.69	26.224		
7,300.00	5,275.63	5,291.75	4,992.89	85.45	34.19	-111.28	-3,531.21	663.67	2,694.55	2,592.39	102.17	26.374		
7,400.00	5,337.40	5,455.29	5,148.98	86.91	35.22	-113.31	-3,574.54	685.75	2,747.74	2,643.16	104.57	26.276		
7,500.00	5,399.18	5,538.97	5,230.15	88.37	35.68	-114.40	-3,592.79	694.67	2,800.32	2,694.68	105.64	26.508		
7,600.00	5,460.95	5,635.28	5,324.20	89.83	36.17	-115.66	-3,611.47	703.66	2,853.14	2,746.36	106.77	26.722		
7,700.00	5,522.73	5,726.77	5,414.18	91.29	36.58	-116.89	-3,626.33	710.73	2,906.19	2,798.46	107.73	26.977		
7,800.00	5,584.51	5,822.31	5,508.77	92.75	36.97	-118.19	-3,638.60	716.35	2,959.46	2,850.86	108.60	27.250		
7,900.00	5,646.28	5,912.35	5,598.11	94.20	37.30	-119.41	-3,648.94	720.52	3,013.02	2,903.67	109.35	27.553		
8,000.00	5,708.06	5,996.81	5,682.06	95.66	37.60	-120.53	-3,657.73	723.55	3,066.96	2,956.96	110.00	27.880		
8,100.00	5,769.83	6,065.61	5,750.54	97.12	37.82	-121.45	-3,664.02	725.53	3,121.54	3,011.06	110.48	28.254		
8,200.00	5,831.61	6,141.57	5,826.23	98.58	38.06	-122.45	-3,670.10	727.29	3,176.83	3,065.86	110.97	28.628		
8,300.00	5,893.39	6,209.90	5,894.39	100.04	38.26	-123.34	-3,674.92	728.45	3,232.74	3,121.37	111.36	29.029		
8,400.00	5,955.16	6,266.00	5,950.38	101.50	38.42	-124.06	-3,678.32	729.22	3,289.47	3,177.83	111.64	29.464		
8,500.00	6,016.94	6,320.96	6,005.27	102.96	38.57	-124.77	-3,681.06	729.92	3,347.15	3,235.27	111.88	29.918		
8,600.00	6,078.71	6,359.00	6,043.27	104.42	38.67	-125.26	-3,682.54	730.39	3,405.88	3,293.90	111.98	30.415		
8,700.00	6,140.49	6,417.39	6,101.64	105.88	38.81	-126.01	-3,684.11	731.11	3,465.57	3,353.39	112.18	30.894		
8,800.00	6,202.26	6,472.34	6,156.57	107.34	38.94	-126.71	-3,684.86	731.74	3,526.26	3,413.93	112.32	31.393		
8,900.00	6,264.04	6,556.28	6,240.51	108.80	39.13	-127.76	-3,685.87	732.38	3,587.44	3,474.81	112.63	31.851		
9,000.00	6,325.82	6,624.30	6,308.52	110.26	39.28	-128.59	-3,686.77	732.66	3,649.06	3,536.21	112.84	32.337		
9,100.00	6,387.59	6,689.26	6,373.48	111.72	39.43	-129.37	-3,687.59	732.81	3,711.19	3,598.17	113.03	32.834		
9,200.00	6,449.37	6,756.80	6,441.01	113.18	39.58	-130.16	-3,688.25	732.82	3,773.90	3,660.68	113.22	33.332		
9,300.00	6,511.14	6,835.45	6,519.65	114.64	39.75	-131.06	-3,689.19	732.65	3,836.97	3,723.49	113.48	33.813		
9,400.00	6,572.92	6,899.06	6,583.26	116.10	39.89	-131.77	-3,689.98	732.38	3,900.45	3,786.80	113.64	34.322		
9,500.00	6,634.70	6,974.36	6,658.56	117.56	40.05	-132.59	-3,690.90	731.93	3,964.35	3,850.47	113.88	34.813		
9,600.00	6,696.47	7,051.24	6,735.42	119.02	40.22	-133.41	-3,692.22	731.34	4,028.48	3,914.35	114.13	35.298		
9,700.00	6,758.22	7,122.08	6,806.24	120.48	40.39	-135.41	-3,693.77	730.78	4,092.99	3,978.63	114.36	35.791		
9,800.00	6,817.23	7,183.87	6,868.01	122.00	40.53	-148.18	-3,695.32	730.36	4,164.45	4,049.85	114.61	36.337		
9,900.00	6,870.40	7,234.92	6,919.04	123.58	40.66	-162.83	-3,696.75	730.11	4,245.36	4,130.49	114.87	36.957		
10,000.00	6,916.13	7,276.60	6,960.70	125.16	40.76	-178.55	-3,698.06	730.08	4,333.11	4,217.97	115.14	37.633		
10,100.00	6,953.01	7,316.51	7,000.59	126.69	40.87	-154.23	-3,699.48	730.18	4,424.94	4,309.49	115.44	38.330		
10,200.00	6,979.94	7,351.97	7,036.01	128.11	40.97	-127.46	-3,701.03	730.39	4,518.05	4,402.30	115.75	39.032		
10,300.00	6,996.09	7,372.68	7,056.70	129.37	41.03	-105.63	-3,702.07	730.57	4,609.87	4,493.89	115.98	39.747		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	7,001.00	7,378.06	7,062.07	130.45	41.04	92.14	-3,702.36	730.62	4,697.92	4,581.79	116.13	40.454		
10,500.00	7,001.00	7,376.84	7,060.85	131.44	41.04	92.11	-3,702.29	730.60	4,784.03	4,667.78	116.25	41.152		
10,600.00	7,001.00	7,375.64	7,059.65	132.48	41.04	92.08	-3,702.23	730.59	4,870.66	4,754.29	116.37	41.854		
10,700.00	7,001.00	7,374.47	7,058.48	133.54	41.03	92.06	-3,702.16	730.58	4,957.80	4,841.32	116.49	42.561		
10,800.00	7,001.00	7,373.32	7,057.33	134.64	41.03	92.03	-3,702.10	730.57	5,045.42	4,928.82	116.60	43.271		
10,900.00	7,001.00	7,372.20	7,056.21	135.77	41.03	92.00	-3,702.05	730.56	5,133.49	5,016.78	116.71	43.985		
11,000.00	7,001.00	7,371.10	7,055.11	136.94	41.02	91.98	-3,701.99	730.55	5,221.98	5,105.17	116.82	44.703		
11,100.00	7,001.00	7,370.02	7,054.04	138.14	41.02	91.95	-3,701.93	730.54	5,310.89	5,193.97	116.92	45.424		
11,200.00	7,001.00	7,368.96	7,052.98	139.38	41.02	91.92	-3,701.88	730.53	5,400.18	5,283.16	117.02	46.148		
11,300.00	7,001.00	7,367.93	7,051.95	140.65	41.01	91.90	-3,701.82	730.52	5,489.84	5,372.73	117.12	46.875		
11,400.00	7,001.00	7,366.91	7,050.93	141.95	41.01	91.88	-3,701.77	730.51	5,579.86	5,462.64	117.21	47.604		
11,500.00	7,001.00	7,365.92	7,049.94	143.29	41.01	91.85	-3,701.72	730.50	5,670.21	5,552.90	117.31	48.336		
11,600.00	7,001.00	7,364.94	7,048.97	144.66	41.01	91.83	-3,701.67	730.50	5,760.87	5,643.47	117.40	49.071		
11,700.00	7,001.00	7,363.99	7,048.01	146.06	41.00	91.81	-3,701.62	730.49	5,851.84	5,734.36	117.49	49.808		
11,800.00	7,001.00	7,363.05	7,047.07	147.50	41.00	91.78	-3,701.58	730.48	5,943.10	5,825.53	117.57	50.548		
11,900.00	7,001.00	7,362.13	7,046.15	148.97	41.00	91.76	-3,701.53	730.47	6,034.64	5,916.98	117.66	51.289		
12,000.00	7,001.00	7,361.22	7,045.25	150.47	41.00	91.74	-3,701.48	730.46	6,126.44	6,008.70	117.74	52.033		
12,100.00	7,001.00	7,360.34	7,044.37	152.00	40.99	91.72	-3,701.44	730.46	6,218.50	6,100.68	117.82	52.779		
12,200.00	7,001.00	7,359.47	7,043.50	153.57	40.99	91.70	-3,701.40	730.45	6,310.79	6,192.89	117.90	53.526		
12,300.00	7,001.00	7,358.61	7,042.64	155.16	40.99	91.68	-3,701.35	730.44	6,403.32	6,285.34	117.98	54.275		
12,400.00	7,001.00	7,357.77	7,041.80	156.79	40.99	91.66	-3,701.31	730.44	6,496.07	6,378.02	118.05	55.026		
12,500.00	7,001.00	7,356.95	7,040.98	158.44	40.98	91.64	-3,701.27	730.43	6,589.03	6,470.90	118.13	55.778		
12,600.00	7,001.00	7,356.14	7,040.17	160.13	40.98	91.62	-3,701.23	730.42	6,682.20	6,564.00	118.20	56.532		
12,700.00	7,001.00	7,355.34	7,039.38	161.84	40.98	91.60	-3,701.19	730.42	6,775.56	6,657.28	118.27	57.287		
12,800.00	7,001.00	7,354.56	7,038.60	163.58	40.98	91.58	-3,701.16	730.41	6,869.10	6,750.76	118.34	58.044		
12,900.00	7,001.00	7,353.79	7,037.83	165.35	40.97	91.56	-3,701.12	730.41	6,962.83	6,844.42	118.41	58.802		
13,000.00	7,001.00	7,353.04	7,037.08	167.14	40.97	91.55	-3,701.08	730.40	7,056.72	6,938.25	118.48	59.561		
13,100.00	7,001.00	7,352.30	7,036.33	168.97	40.97	91.53	-3,701.05	730.39	7,150.79	7,032.24	118.55	60.321		
13,200.00	7,001.00	7,351.57	7,035.61	170.81	40.97	91.51	-3,701.01	730.39	7,245.01	7,126.40	118.61	61.082		
13,300.00	7,001.00	7,350.85	7,034.89	172.68	40.97	91.49	-3,700.98	730.38	7,339.38	7,220.71	118.68	61.844		
13,400.00	7,001.00	7,350.14	7,034.18	174.58	40.96	91.48	-3,700.95	730.38	7,433.91	7,315.17	118.74	62.607		
13,500.00	7,001.00	7,349.45	7,033.49	176.50	40.96	91.46	-3,700.91	730.37	7,528.57	7,409.77	118.80	63.371		
13,600.00	7,001.00	7,348.76	7,032.81	178.44	40.96	91.45	-3,700.88	730.37	7,623.37	7,504.51	118.86	64.136		
13,700.00	7,001.00	7,348.09	7,032.14	180.41	40.96	91.43	-3,700.85	730.36	7,718.30	7,599.38	118.92	64.902		
13,800.00	7,001.00	7,347.43	7,031.48	182.39	40.96	91.41	-3,700.82	730.36	7,813.36	7,694.37	118.98	65.668		
13,900.00	7,001.00	7,346.78	7,030.83	184.40	40.95	91.40	-3,700.79	730.35	7,908.53	7,789.49	119.04	66.436		
14,000.00	7,001.00	7,346.14	7,030.19	186.43	40.95	91.38	-3,700.76	730.35	8,003.83	7,884.73	119.10	67.203		
14,100.00	7,001.00	7,345.51	7,029.56	188.48	40.95	91.37	-3,700.73	730.35	8,099.24	7,980.08	119.16	67.972		
14,200.00	7,001.00	7,344.89	7,028.94	190.54	40.95	91.35	-3,700.70	730.34	8,194.76	8,075.55	119.21	68.741		
14,300.00	7,001.00	7,344.28	7,028.33	192.63	40.95	91.34	-3,700.67	730.34	8,290.38	8,171.12	119.27	69.510		
14,400.00	7,001.00	7,343.68	7,027.73	194.73	40.95	91.32	-3,700.64	730.33	8,386.11	8,266.79	119.32	70.280		
14,500.00	7,001.00	7,343.08	7,027.13	196.85	40.94	91.31	-3,700.62	730.33	8,481.94	8,362.56	119.38	71.051		
14,600.00	7,001.00	7,342.50	7,026.55	198.99	40.94	91.30	-3,700.59	730.32	8,577.86	8,458.42	119.43	71.822		
14,700.00	7,001.00	7,341.93	7,025.98	201.14	40.94	91.28	-3,700.56	730.32	8,673.87	8,554.38	119.49	72.593		
14,800.00	7,001.00	7,341.36	7,025.41	203.31	40.94	91.27	-3,700.54	730.32	8,769.97	8,650.43	119.54	73.364		
14,900.00	7,001.00	7,340.80	7,024.85	205.50	40.94	91.26	-3,700.51	730.31	8,866.16	8,746.57	119.59	74.136		
15,000.00	7,001.00	7,340.25	7,024.30	207.70	40.94	91.24	-3,700.49	730.31	8,962.43	8,842.79	119.64	74.909		
15,100.00	7,001.00	7,339.71	7,023.76	209.91	40.94	91.23	-3,700.46	730.31	9,058.78	8,939.09	119.70	75.681		
15,200.00	7,001.00	7,339.17	7,023.23	212.14	40.93	91.22	-3,700.44	730.30	9,155.21	9,035.46	119.75	76.454		
15,300.00	7,001.00	7,338.65	7,022.70	214.38	40.93	91.20	-3,700.42	730.30	9,251.72	9,131.92	119.80	77.227		
15,400.00	7,001.00	7,338.13	7,022.18	216.64	40.93	91.19	-3,700.39	730.30	9,348.30	9,228.45	119.85	78.000		
15,500.00	7,001.00	7,337.62	7,021.67	218.90	40.93	91.18	-3,700.37	730.29	9,444.95	9,325.05	119.90	78.774		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	7,337.11	7,021.17	221.18	40.93	91.17	-3,700.35	730.29	9,541.67	9,421.72	119.95	79.547	
15,700.00	7,001.00	7,336.61	7,020.67	223.47	40.93	91.16	-3,700.33	730.29	9,638.45	9,518.45	120.00	80.321	
15,800.00	7,001.00	7,336.12	7,020.18	225.78	40.93	91.14	-3,700.30	730.28	9,735.31	9,615.26	120.05	81.094	
15,900.00	7,001.00	7,335.64	7,019.70	228.09	40.92	91.13	-3,700.28	730.28	9,832.22	9,712.12	120.10	81.868	
16,000.00	7,001.00	7,335.16	7,019.22	230.41	40.92	91.12	-3,700.26	730.28	9,929.20	9,809.05	120.15	82.642	
16,100.00	7,001.00	7,334.69	7,018.75	232.75	40.92	91.11	-3,700.24	730.28	10,026.23	9,906.03	120.20	83.416	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	89.57	89.56	0.27	0.14	-176.81	-2,116.94	-117.99	2,120.31	2,119.90	0.41	5,166.694	
200.00	200.00	190.12	190.11	0.63	0.42	-176.80	-2,115.78	-118.41	2,119.18	2,118.13	1.05	2,015.500	
300.00	300.00	273.81	273.80	0.99	0.72	-176.78	-2,115.24	-118.94	2,118.59	2,116.88	1.71	1,241.605	
400.00	399.98	365.82	365.81	1.33	1.04	-22.15	-2,115.31	-119.56	2,117.07	2,114.70	2.37	891.623	
500.00	499.84	439.51	439.49	1.67	1.30	-22.21	-2,115.71	-120.00	2,112.86	2,109.89	2.97	710.835	
600.00	599.45	505.16	505.12	2.03	1.53	-22.31	-2,117.23	-120.08	2,107.08	2,103.54	3.55	593.752	
700.00	698.70	580.00	579.91	2.41	1.79	-22.48	-2,119.98	-119.44	2,099.42	2,095.26	4.16	504.323	
800.00	797.47	669.34	669.15	2.81	2.10	-22.75	-2,124.06	-118.20	2,089.42	2,084.58	4.84	431.674	
900.00	895.62	766.05	765.74	3.25	2.44	-23.08	-2,128.78	-117.18	2,076.58	2,071.02	5.56	373.681	
1,000.00	993.06	869.54	869.11	3.72	2.81	-23.51	-2,133.62	-116.12	2,060.40	2,054.09	6.31	326.449	
1,100.00	1,089.64	958.01	957.47	4.23	3.13	-23.96	-2,137.77	-115.23	2,041.16	2,034.14	7.02	290.564	
1,200.00	1,185.27	1,019.00	1,018.37	4.78	3.36	-24.37	-2,141.09	-114.32	2,019.76	2,012.11	7.65	263.918	
1,300.00	1,279.82	1,086.10	1,085.29	5.38	3.61	-24.88	-2,145.83	-112.97	1,996.88	1,988.56	8.32	239.988	
1,400.00	1,373.17	1,145.69	1,144.60	6.03	3.83	-25.40	-2,151.35	-111.59	1,972.99	1,964.01	8.98	219.715	
1,500.00	1,465.21	1,206.00	1,204.55	6.72	4.06	-25.96	-2,157.90	-110.64	1,947.79	1,938.13	9.66	201.592	
1,600.00	1,555.84	1,275.08	1,273.08	7.47	4.33	-26.65	-2,166.44	-109.27	1,921.19	1,910.79	10.40	184.704	
1,700.00	1,644.94	1,335.93	1,333.30	8.27	4.58	-27.37	-2,174.90	-107.16	1,893.28	1,882.15	11.14	169.979	
1,800.00	1,732.39	1,394.00	1,390.59	9.12	4.82	-28.15	-2,184.00	-104.48	1,864.40	1,852.50	11.89	156.748	
1,900.00	1,818.11	1,467.57	1,462.97	10.02	5.13	-29.16	-2,196.52	-100.38	1,834.23	1,821.49	12.75	143.881	
2,000.00	1,901.97	1,538.62	1,532.73	10.98	5.44	-30.26	-2,209.23	-95.86	1,802.51	1,788.88	13.63	132.218	
2,100.00	1,983.88	1,610.31	1,602.96	11.98	5.76	-31.48	-2,222.78	-90.91	1,769.43	1,754.87	14.57	121.480	
2,200.00	2,063.74	1,686.68	1,677.66	13.04	6.11	-32.86	-2,237.81	-85.88	1,734.89	1,719.32	15.57	111.440	
2,300.00	2,141.45	1,773.63	1,762.72	14.14	6.51	-34.49	-2,255.25	-81.30	1,698.54	1,681.87	16.67	101.895	
2,400.00	2,216.92	1,858.53	1,845.79	15.30	6.91	-36.24	-2,272.31	-77.37	1,660.26	1,642.43	17.82	93.153	
2,500.00	2,290.05	1,940.57	1,926.06	16.50	7.30	-38.15	-2,288.70	-72.98	1,620.29	1,601.25	19.04	85.112	
2,600.00	2,360.76	2,028.94	2,012.54	17.76	7.72	-40.39	-2,306.05	-67.56	1,578.75	1,558.39	20.36	77.534	
2,700.00	2,428.95	2,102.59	2,084.66	19.05	8.07	-42.54	-2,320.32	-63.21	1,535.83	1,514.12	21.71	70.739	
2,800.00	2,494.55	2,176.60	2,157.07	20.39	8.43	-44.88	-2,335.05	-59.07	1,492.37	1,469.21	23.16	64.438	
2,900.00	2,557.49	2,255.60	2,234.41	21.78	8.81	-47.51	-2,350.49	-54.48	1,448.16	1,423.42	24.75	58.522	
3,000.00	2,619.27	2,330.81	2,308.08	23.18	9.17	-49.50	-2,365.14	-50.53	1,404.77	1,378.36	26.41	53.183	
3,100.00	2,681.04	2,403.23	2,379.02	24.60	9.52	-51.48	-2,379.27	-47.01	1,363.39	1,335.23	28.16	48.409	
3,200.00	2,742.82	2,465.38	2,439.87	26.02	9.82	-53.25	-2,391.45	-43.68	1,324.50	1,294.54	29.96	44.209	
3,300.00	2,804.59	2,524.98	2,498.11	27.44	10.12	-55.02	-2,403.46	-39.66	1,288.90	1,257.06	31.84	40.486	
3,400.00	2,866.37	2,603.19	2,574.49	28.87	10.51	-57.40	-2,419.41	-34.41	1,256.24	1,222.33	33.90	37.052	
3,500.00	2,928.15	2,667.71	2,637.48	30.30	10.83	-59.41	-2,432.82	-30.46	1,226.58	1,190.61	35.97	34.101	
3,600.00	2,989.92	2,732.51	2,700.61	31.73	11.16	-61.47	-2,446.88	-26.51	1,200.65	1,162.55	38.10	31.516	
3,700.00	3,051.70	2,799.39	2,765.68	33.17	11.51	-63.63	-2,461.71	-22.18	1,178.50	1,138.21	40.29	29.250	
3,800.00	3,113.47	2,902.74	2,866.45	34.61	12.03	-67.05	-2,483.85	-16.11	1,159.15	1,116.36	42.79	27.087	
3,900.00	3,175.25	2,970.53	2,932.62	36.05	12.38	-69.33	-2,498.19	-12.80	1,142.84	1,097.78	45.06	25.363	
4,000.00	3,237.03	3,042.20	3,002.49	37.49	12.74	-71.75	-2,513.85	-9.59	1,130.47	1,083.12	47.35	23.875	
4,100.00	3,298.80	3,124.22	3,082.38	38.93	13.17	-74.52	-2,532.10	-6.25	1,121.96	1,072.26	49.70	22.575	
4,200.00	3,360.58	3,206.51	3,162.69	40.37	13.59	-77.33	-2,549.87	-3.63	1,116.49	1,064.48	52.01	21.467	
4,282.96	3,411.83	3,264.57	3,219.38	41.57	13.88	-79.32	-2,562.28	-1.66	1,115.01	1,061.22	53.79	20.728 CC	
4,300.00	3,422.35	3,276.91	3,231.42	41.82	13.94	-79.75	-2,564.91	-1.20	1,115.07	1,060.91	54.15	20.591 ES	
4,400.00	3,484.13	3,349.94	3,302.76	43.27	14.31	-82.27	-2,580.27	1.63	1,117.83	1,061.60	56.23	19.881	
4,500.00	3,545.90	3,419.35	3,370.64	44.72	14.66	-84.68	-2,594.45	4.72	1,124.79	1,066.64	58.15	19.343	
4,600.00	3,607.68	3,492.25	3,442.03	46.16	15.02	-87.21	-2,608.70	8.53	1,136.05	1,076.08	59.97	18.943	
4,700.00	3,669.46	3,571.24	3,519.53	47.61	15.41	-89.95	-2,623.40	12.62	1,151.07	1,089.36	61.71	18.652	
4,800.00	3,731.23	3,653.34	3,600.19	49.06	15.80	-92.76	-2,638.24	16.36	1,169.46	1,106.13	63.33	18.465	
4,900.00	3,793.01	3,729.46	3,675.05	50.52	16.16	-95.32	-2,651.71	19.43	1,191.20	1,126.45	64.75	18.397 SF	
5,000.00	3,854.78	3,803.69	3,747.99	51.97	16.52	-97.74	-2,665.20	22.16	1,216.32	1,150.30	66.02	18.424	
5,100.00	3,916.56	3,876.17	3,818.97	53.42	16.88	-100.00	-2,679.65	24.57	1,244.63	1,177.47	67.16	18.531	

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	3,978.34	3,949.19	3,890.20	54.87	17.26	-102.17	-2,695.52	26.98	1,275.98	1,207.76	68.23	18.702		
5,300.00	4,040.11	4,024.83	3,963.84	56.32	17.65	-104.31	-2,712.67	29.45	1,309.97	1,240.73	69.24	18.919		
5,400.00	4,101.89	4,105.74	4,042.54	57.78	18.08	-106.51	-2,731.26	31.90	1,346.13	1,275.89	70.24	19.164		
5,500.00	4,163.66	4,189.75	4,124.42	59.23	18.51	-108.73	-2,749.94	33.96	1,384.08	1,312.89	71.19	19.441		
5,600.00	4,225.44	4,266.80	4,199.79	60.69	18.90	-110.74	-2,765.86	35.43	1,423.79	1,351.82	71.96	19.784		
5,700.00	4,287.21	4,340.67	4,272.22	62.14	19.26	-112.62	-2,780.31	36.70	1,465.44	1,392.82	72.62	20.179		
5,800.00	4,348.99	4,410.57	4,340.82	63.60	19.60	-114.34	-2,793.66	37.91	1,509.01	1,435.84	73.17	20.622		
5,900.00	4,410.77	4,472.97	4,402.09	65.05	19.90	-115.82	-2,805.42	39.30	1,554.72	1,481.13	73.60	21.125		
6,000.00	4,472.54	4,547.31	4,475.05	66.51	20.26	-117.52	-2,819.55	41.31	1,602.31	1,528.19	74.13	21.615		
6,100.00	4,534.32	4,617.68	4,544.03	67.96	20.61	-119.05	-2,833.31	43.21	1,651.24	1,576.64	74.60	22.135		
6,200.00	4,596.09	4,681.91	4,607.08	69.42	20.92	-120.40	-2,845.47	45.13	1,701.80	1,626.83	74.97	22.700		
6,300.00	4,657.87	4,745.66	4,669.72	70.88	21.23	-121.71	-2,857.09	47.25	1,753.95	1,678.64	75.31	23.291		
6,400.00	4,719.64	4,808.16	4,731.20	72.33	21.52	-122.95	-2,868.09	49.54	1,807.60	1,731.99	75.61	23.907		
6,500.00	4,781.42	4,869.80	4,791.88	73.79	21.82	-124.14	-2,878.61	52.04	1,862.69	1,786.80	75.89	24.545		
6,600.00	4,843.20	4,932.21	4,853.25	75.25	22.11	-125.28	-2,889.56	55.03	1,919.10	1,842.91	76.19	25.189		
6,700.00	4,904.97	5,013.27	4,932.77	76.71	22.51	-126.66	-2,904.71	59.44	1,976.46	1,899.70	76.76	25.747		
6,800.00	4,966.75	5,095.94	5,013.71	78.16	22.92	-127.98	-2,920.98	63.67	2,034.04	1,956.65	77.39	26.284		
6,900.00	5,028.52	5,166.48	5,082.78	79.62	23.28	-129.06	-2,934.83	67.09	2,092.13	2,014.28	77.85	26.874		
7,000.00	5,090.30	5,227.06	5,142.22	81.08	23.57	-129.96	-2,946.18	70.06	2,151.16	2,072.98	78.17	27.517		
7,100.00	5,152.08	5,298.57	5,212.48	82.54	23.92	-131.00	-2,959.05	73.54	2,211.01	2,132.38	78.63	28.119		
7,200.00	5,213.85	5,366.47	5,279.25	83.99	24.24	-131.95	-2,970.98	76.69	2,271.42	2,192.39	79.04	28.739		
7,300.00	5,275.63	5,429.60	5,341.49	85.45	24.53	-132.83	-2,981.20	79.37	2,332.58	2,253.22	79.36	29.392		
7,400.00	5,337.40	5,491.63	5,402.78	86.91	24.81	-133.68	-2,990.39	81.76	2,394.52	2,314.87	79.65	30.063		
7,500.00	5,399.18	5,558.10	5,468.61	88.37	25.10	-134.59	-2,999.33	84.00	2,457.16	2,377.19	79.97	30.727		
7,600.00	5,460.95	5,622.97	5,532.99	89.83	25.37	-135.47	-3,007.14	85.66	2,520.33	2,440.09	80.25	31.407		
7,700.00	5,522.73	5,674.28	5,583.99	91.29	25.57	-136.16	-3,012.61	86.82	2,584.33	2,503.97	80.36	32.160		
7,800.00	5,584.51	5,728.56	5,638.02	92.75	25.78	-136.88	-3,017.72	88.02	2,649.24	2,568.75	80.49	32.914		
7,900.00	5,646.28	5,787.71	5,696.95	94.20	26.00	-137.66	-3,022.55	89.08	2,714.85	2,634.18	80.66	33.657		
8,000.00	5,708.06	5,840.63	5,749.75	95.66	26.19	-138.35	-3,026.16	89.78	2,781.15	2,700.40	80.75	34.440		
8,100.00	5,769.83	5,891.00	5,800.05	97.12	26.36	-139.02	-3,028.81	90.20	2,848.25	2,767.44	80.81	35.247		
8,200.00	5,831.61	5,939.66	5,848.66	98.58	26.52	-139.65	-3,030.77	90.51	2,916.12	2,835.29	80.83	36.075		
8,300.00	5,893.39	5,987.89	5,896.87	100.04	26.67	-140.27	-3,032.28	90.82	2,984.78	2,903.92	80.86	36.913		
8,400.00	5,955.16	6,050.74	5,959.70	101.50	26.87	-141.06	-3,033.80	91.09	3,054.01	2,972.99	81.02	37.695		
8,500.00	6,016.94	6,115.63	6,024.58	102.96	27.07	-141.86	-3,035.05	91.12	3,123.62	3,042.42	81.20	38.468		
8,600.00	6,078.71	6,180.54	6,089.48	104.42	27.26	-142.64	-3,036.09	90.90	3,193.54	3,112.15	81.39	39.240		
8,700.00	6,140.49	6,234.60	6,143.54	105.88	27.42	-143.27	-3,036.74	90.62	3,263.89	3,182.41	81.48	40.059		
8,800.00	6,202.26	6,290.34	6,199.28	107.34	27.58	-143.91	-3,037.15	90.33	3,334.74	3,253.14	81.59	40.871		
8,900.00	6,264.04	6,348.93	6,257.87	108.80	27.75	-144.56	-3,037.51	90.05	3,405.99	3,324.24	81.74	41.666		
9,000.00	6,325.82	6,423.43	6,332.36	110.26	27.96	-145.36	-3,037.99	89.64	3,477.48	3,395.43	82.05	42.382		
9,100.00	6,387.59	6,489.48	6,398.40	111.72	28.15	-146.04	-3,038.52	89.08	3,549.06	3,466.76	82.29	43.126		
9,200.00	6,449.37	6,547.00	6,455.92	113.18	28.32	-146.62	-3,038.90	88.58	3,620.94	3,538.47	82.47	43.904		
9,300.00	6,511.14	6,602.72	6,511.64	114.64	28.48	-147.16	-3,039.23	88.17	3,693.17	3,610.52	82.65	44.685		
9,400.00	6,572.92	6,659.69	6,568.61	116.10	28.64	-147.70	-3,039.54	87.89	3,765.76	3,682.91	82.85	45.453		
9,500.00	6,634.70	6,721.35	6,630.27	117.56	28.82	-148.27	-3,039.71	87.49	3,838.61	3,755.51	83.10	46.194		
9,600.00	6,696.47	6,783.53	6,692.44	119.02	28.99	-148.82	-3,039.82	87.02	3,911.68	3,828.32	83.36	46.924		
9,700.00	6,758.22	6,849.25	6,758.16	120.48	29.18	-151.05	-3,040.17	86.73	3,984.98	3,901.30	83.68	47.622		
9,800.00	6,817.23	6,919.85	6,828.76	122.00	29.39	-167.77	-3,040.70	86.38	4,063.01	3,978.87	84.14	48.287		
9,900.00	6,870.40	6,963.62	6,872.53	123.58	29.52	-173.08	-3,041.04	86.16	4,147.03	4,062.56	84.48	49.091		
10,000.00	6,916.13	7,000.41	6,909.32	125.16	29.63	-151.45	-3,041.28	86.04	4,234.59	4,149.75	84.84	49.914		
10,100.00	6,953.01	7,032.94	6,941.84	126.69	29.73	-129.88	-3,041.44	85.99	4,323.09	4,237.86	85.23	50.722		
10,200.00	6,979.94	7,058.87	6,967.78	128.11	29.81	-111.84	-3,041.54	85.94	4,410.05	4,324.42	85.63	51.502		
10,300.00	6,996.09	7,074.52	6,983.43	129.37	29.86	-98.66	-3,041.60	85.91	4,493.16	4,407.16	86.00	52.245		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
10,400.00	7,001.00	7,079.44	6,988.35	130.45	29.87	90.32	-3,041.61	85.89	4,570.30	4,483.94	86.36	52.921		
10,500.00	7,001.00	7,079.66	6,988.57	131.44	29.87	90.33	-3,041.62	85.89	4,644.88	4,558.16	86.73	53.558		
10,600.00	7,001.00	7,079.88	6,988.79	132.48	29.87	90.33	-3,041.62	85.89	4,720.41	4,633.32	87.09	54.200		
10,700.00	7,001.00	7,080.11	6,989.01	133.54	29.87	90.34	-3,041.62	85.89	4,796.83	4,709.37	87.46	54.846		
10,800.00	7,001.00	7,080.33	6,989.24	134.64	29.87	90.34	-3,041.62	85.89	4,874.10	4,786.28	87.83	55.496		
10,900.00	7,001.00	7,080.55	6,989.46	135.77	29.87	90.34	-3,041.62	85.89	4,952.19	4,864.00	88.19	56.151		
11,000.00	7,001.00	7,080.78	6,989.68	136.94	29.87	90.35	-3,041.62	85.89	5,031.06	4,942.50	88.56	56.811		
11,100.00	7,001.00	7,081.00	6,989.91	138.14	29.87	90.35	-3,041.62	85.89	5,110.66	5,021.74	88.92	57.476		
11,200.00	7,001.00	7,081.22	6,990.13	139.38	29.87	90.36	-3,041.62	85.89	5,190.97	5,101.69	89.28	58.145		
11,300.00	7,001.00	7,081.45	6,990.36	140.65	29.88	90.36	-3,041.62	85.89	5,271.95	5,182.32	89.63	58.819		
11,400.00	7,001.00	7,081.68	6,990.58	141.95	29.88	90.37	-3,041.62	85.89	5,353.58	5,263.60	89.98	59.498		
11,500.00	7,001.00	7,081.90	6,990.81	143.29	29.88	90.37	-3,041.62	85.89	5,435.82	5,345.49	90.32	60.182		
11,600.00	7,001.00	7,082.13	6,991.04	144.66	29.88	90.37	-3,041.62	85.89	5,518.64	5,427.98	90.66	60.870		
11,700.00	7,001.00	7,082.36	6,991.26	146.06	29.88	90.38	-3,041.62	85.89	5,602.03	5,511.03	91.00	61.563		
11,800.00	7,001.00	7,082.59	6,991.49	147.50	29.88	90.38	-3,041.62	85.89	5,685.95	5,594.63	91.33	62.260		
11,900.00	7,001.00	7,082.81	6,991.72	148.97	29.88	90.39	-3,041.63	85.89	5,770.39	5,678.74	91.65	62.962		
12,000.00	7,001.00	7,083.04	6,991.95	150.47	29.88	90.39	-3,041.63	85.89	5,855.31	5,763.35	91.97	63.668		
12,100.00	7,001.00	7,083.27	6,992.18	152.00	29.88	90.40	-3,041.63	85.89	5,940.71	5,848.43	92.28	64.379		
12,200.00	7,001.00	7,083.50	6,992.41	153.57	29.88	90.40	-3,041.63	85.88	6,026.55	5,933.97	92.58	65.093		
12,300.00	7,001.00	7,083.74	6,992.64	155.16	29.88	90.40	-3,041.63	85.88	6,112.83	6,019.94	92.88	65.811		
12,400.00	7,001.00	7,083.97	6,992.87	156.79	29.88	90.41	-3,041.63	85.88	6,199.51	6,106.33	93.18	66.534		
12,500.00	7,001.00	7,084.20	6,993.11	158.44	29.88	90.41	-3,041.63	85.88	6,286.60	6,193.13	93.47	67.259		
12,600.00	7,001.00	7,084.43	6,993.34	160.13	29.88	90.42	-3,041.63	85.88	6,374.06	6,280.31	93.75	67.989		
12,700.00	7,001.00	7,084.67	6,993.57	161.84	29.89	90.42	-3,041.63	85.88	6,461.88	6,367.85	94.03	68.722		
12,800.00	7,001.00	7,084.90	6,993.81	163.58	29.89	90.43	-3,041.63	85.88	6,550.06	6,455.75	94.30	69.459		
12,900.00	7,001.00	7,085.13	6,994.04	165.35	29.89	90.43	-3,041.63	85.88	6,638.56	6,544.00	94.57	70.198		
13,000.00	7,001.00	7,085.37	6,994.28	167.14	29.89	90.43	-3,041.63	85.88	6,727.40	6,632.57	94.83	70.941		
13,100.00	7,001.00	7,085.61	6,994.51	168.97	29.89	90.44	-3,041.63	85.88	6,816.54	6,721.45	95.09	71.687		
13,200.00	7,001.00	7,085.84	6,994.75	170.81	29.89	90.44	-3,041.63	85.88	6,905.97	6,810.64	95.34	72.436		
13,300.00	7,001.00	7,086.08	6,994.99	172.68	29.89	90.45	-3,041.63	85.88	6,995.70	6,900.11	95.59	73.188		
13,400.00	7,001.00	7,086.32	6,995.22	174.58	29.89	90.45	-3,041.64	85.88	7,085.70	6,989.87	95.83	73.942		
13,500.00	7,001.00	7,086.56	6,995.46	176.50	29.89	90.46	-3,041.64	85.88	7,175.96	7,079.90	96.06	74.699		
13,600.00	7,001.00	7,086.79	6,995.70	178.44	29.89	90.46	-3,041.64	85.88	7,266.48	7,170.18	96.30	75.459		
13,700.00	7,001.00	7,087.03	6,995.94	180.41	29.89	90.47	-3,041.64	85.88	7,357.25	7,260.72	96.52	76.221		
13,800.00	7,001.00	7,087.27	6,996.18	182.39	29.89	90.47	-3,041.64	85.88	7,448.25	7,351.50	96.75	76.986		
13,900.00	7,001.00	7,087.51	6,996.42	184.40	29.89	90.47	-3,041.64	85.88	7,539.48	7,442.51	96.97	77.752		
14,000.00	7,001.00	7,087.76	6,996.66	186.43	29.89	90.48	-3,041.64	85.87	7,630.92	7,533.74	97.18	78.521		
14,100.00	7,001.00	7,088.00	6,996.90	188.48	29.90	90.48	-3,041.64	85.87	7,722.58	7,625.19	97.39	79.292		
14,200.00	7,001.00	7,088.24	6,997.15	190.54	29.90	90.49	-3,041.64	85.87	7,814.45	7,716.85	97.60	80.065		
14,300.00	7,001.00	7,088.48	6,997.39	192.63	29.90	90.49	-3,041.64	85.87	7,906.51	7,808.71	97.81	80.839		
14,400.00	7,001.00	7,088.73	6,997.63	194.73	29.90	90.50	-3,041.64	85.87	7,998.77	7,900.76	98.01	81.616		
14,500.00	7,001.00	7,088.97	6,997.88	196.85	29.90	90.50	-3,041.64	85.87	8,091.20	7,993.00	98.20	82.394		
14,600.00	7,001.00	7,089.22	6,998.12	198.99	29.90	90.51	-3,041.64	85.87	8,183.82	8,085.42	98.39	83.174		
14,700.00	7,001.00	7,089.46	6,998.37	201.14	29.90	90.51	-3,041.64	85.87	8,276.61	8,178.02	98.58	83.955		
14,800.00	7,001.00	7,089.71	6,998.62	203.31	29.90	90.52	-3,041.65	85.87	8,369.56	8,270.79	98.77	84.738		
14,900.00	7,001.00	7,089.96	6,998.86	205.50	29.90	90.52	-3,041.65	85.87	8,462.67	8,363.72	98.95	85.523		
15,000.00	7,001.00	7,090.20	6,999.11	207.70	29.90	90.52	-3,041.65	85.87	8,555.94	8,456.81	99.13	86.309		
15,100.00	7,001.00	7,090.45	6,999.36	209.91	29.90	90.53	-3,041.65	85.87	8,649.36	8,550.05	99.31	87.096		
15,200.00	7,001.00	7,090.70	6,999.61	212.14	29.90	90.53	-3,041.65	85.87	8,742.93	8,643.44	99.48	87.884		
15,300.00	7,001.00	7,090.95	6,999.86	214.38	29.90	90.54	-3,041.65	85.87	8,836.63	8,736.98	99.65	88.674		
15,400.00	7,001.00	7,091.20	7,000.11	216.64	29.90	90.54	-3,041.65	85.87	8,930.48	8,830.65	99.82	89.464		
15,500.00	7,001.00	7,091.45	7,000.36	218.90	29.91	90.55	-3,041.65	85.87	9,024.45	8,924.46	99.99	90.256		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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
15,600.00	7,001.00	7,091.70	7,000.61	221.18	29.91	90.55	-3,041.65	85.86	9,118.55	9,018.40	100.15	91.049	
15,700.00	7,001.00	7,091.96	7,000.86	223.47	29.91	90.56	-3,041.65	85.86	9,212.78	9,112.47	100.31	91.842	
15,800.00	7,001.00	7,092.21	7,001.12	225.78	29.91	90.56	-3,041.65	85.86	9,307.13	9,206.66	100.47	92.637	
15,900.00	7,001.00	7,092.46	7,001.37	228.09	29.91	90.57	-3,041.65	85.86	9,401.59	9,300.97	100.62	93.433	
16,000.00	7,001.00	7,092.72	7,001.62	230.41	29.91	90.57	-3,041.65	85.86	9,496.17	9,395.39	100.78	94.229	
16,100.00	7,001.00	7,092.97	7,001.88	232.75	29.91	90.58	-3,041.65	85.86	9,590.86	9,489.93	100.93	95.026	
16,200.00	7,001.00	7,093.23	7,002.13	235.09	29.91	90.58	-3,041.65	85.86	9,685.65	9,584.58	101.08	95.824	
16,300.00	7,001.00	7,093.48	7,002.39	237.45	29.91	90.59	-3,041.66	85.86	9,780.55	9,679.33	101.22	96.622	
16,400.00	7,001.00	7,093.74	7,002.65	239.81	29.91	90.59	-3,041.66	85.86	9,875.55	9,774.18	101.37	97.421	
16,500.00	7,001.00	7,094.00	7,002.91	242.18	29.91	90.60	-3,041.66	85.86	9,970.65	9,869.14	101.51	98.221	
16,600.00	7,001.00	7,094.26	7,003.16	244.56	29.91	90.60	-3,041.66	85.86	10,065.84	9,964.19	101.65	99.021	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	68.23	68.23	0.27	0.11	-176.41	-2,117.41	-132.71	2,121.57	2,121.19	0.38	5,636.533		
200.00	200.00	164.59	164.56	0.63	0.34	-176.47	-2,117.68	-130.79	2,121.72	2,120.76	0.96	2,199.407		
300.00	300.00	240.42	240.39	0.99	0.61	-176.50	-2,118.15	-129.65	2,122.32	2,120.72	1.60	1,330.044		
400.00	399.98	304.00	303.94	1.33	0.84	-21.88	-2,119.85	-128.96	2,123.18	2,121.01	2.16	980.809		
500.00	499.84	345.33	345.21	1.67	0.99	-21.92	-2,121.88	-128.53	2,122.96	2,120.31	2.65	800.480		
600.00	599.45	396.00	395.75	2.03	1.17	-21.99	-2,125.53	-127.95	2,121.95	2,118.77	3.18	667.677		
700.00	698.70	445.25	444.77	2.41	1.36	-22.09	-2,130.24	-127.38	2,120.06	2,116.35	3.71	571.533		
800.00	797.47	487.00	486.24	2.81	1.52	-22.20	-2,135.06	-126.91	2,117.29	2,113.07	4.22	501.919		
900.00	895.62	554.84	553.44	3.25	1.80	-22.40	-2,144.34	-125.98	2,113.31	2,108.47	4.84	436.983		
1,000.00	993.06	618.08	615.86	3.72	2.06	-22.63	-2,154.34	-124.76	2,108.10	2,102.65	5.45	386.858		
1,100.00	1,089.64	675.00	671.92	4.23	2.31	-22.89	-2,164.13	-123.32	2,101.32	2,095.27	6.05	347.302		
1,200.00	1,185.27	753.42	748.95	4.78	2.67	-23.26	-2,178.75	-121.92	2,092.80	2,086.04	6.75	309.874		
1,300.00	1,279.82	812.51	806.80	5.38	2.95	-23.57	-2,190.73	-121.71	2,082.82	2,075.43	7.40	281.595		
1,400.00	1,373.17	862.00	855.07	6.03	3.19	-23.87	-2,201.69	-121.57	2,071.76	2,063.74	8.02	258.466		
1,500.00	1,465.21	930.20	921.28	6.72	3.54	-24.30	-2,218.05	-121.22	2,059.44	2,050.71	8.74	235.675		
1,600.00	1,555.84	990.48	979.51	7.47	3.87	-24.74	-2,233.61	-120.57	2,045.91	2,036.46	9.45	216.580		
1,700.00	1,644.94	1,050.00	1,036.70	8.27	4.19	-25.24	-2,250.02	-119.19	2,031.18	2,021.00	10.18	199.464		
1,800.00	1,732.39	1,106.92	1,091.10	9.12	4.53	-25.77	-2,266.72	-117.60	2,015.39	2,004.46	10.93	184.309		
1,900.00	1,818.11	1,144.00	1,126.35	10.02	4.75	-26.18	-2,278.17	-116.67	1,998.80	1,987.18	11.62	172.001		
2,000.00	1,901.97	1,217.17	1,195.46	10.98	5.21	-26.91	-2,302.14	-114.85	1,981.06	1,968.54	12.52	158.294		
2,100.00	1,983.88	1,267.03	1,242.13	11.98	5.54	-27.50	-2,319.62	-113.55	1,962.77	1,949.44	13.33	147.246		
2,200.00	2,063.74	1,331.00	1,301.37	13.04	5.98	-28.25	-2,343.72	-112.04	1,944.22	1,929.96	14.26	136.369		
2,300.00	2,141.45	1,365.46	1,332.98	14.14	6.24	-28.77	-2,357.43	-111.23	1,924.98	1,909.92	15.06	127.787		
2,400.00	2,216.92	1,425.00	1,387.13	15.30	6.68	-29.58	-2,382.09	-109.58	1,905.37	1,889.32	16.05	118.680		
2,500.00	2,290.05	1,472.33	1,429.78	16.50	7.05	-30.30	-2,402.54	-107.98	1,885.21	1,868.18	17.02	110.745		
2,600.00	2,360.76	1,530.78	1,481.99	17.76	7.51	-31.21	-2,428.73	-105.57	1,864.57	1,846.46	18.11	102.939		
2,700.00	2,428.95	1,614.84	1,556.74	19.05	8.20	-32.53	-2,466.96	-101.54	1,842.63	1,823.19	19.44	94.774		
2,800.00	2,494.55	1,736.80	1,665.84	20.39	9.20	-34.51	-2,521.10	-95.28	1,817.64	1,796.52	21.11	86.084		
2,900.00	2,557.49	1,819.47	1,739.99	21.78	9.88	-36.07	-2,557.40	-90.92	1,790.56	1,767.95	22.61	79.201		
3,000.00	2,619.27	1,917.89	1,828.35	23.18	10.68	-37.62	-2,600.45	-85.98	1,763.25	1,738.96	24.29	72.592		
3,100.00	2,681.04	2,018.78	1,919.50	24.60	11.50	-39.26	-2,643.43	-81.18	1,735.97	1,709.90	26.07	66.600		
3,200.00	2,742.82	2,095.28	1,988.53	26.02	12.12	-40.53	-2,676.22	-77.68	1,710.14	1,682.40	27.74	61.656		
3,300.00	2,804.59	2,193.40	2,077.24	27.44	12.91	-42.20	-2,717.95	-73.41	1,685.24	1,655.59	29.65	56.844		
3,400.00	2,866.37	2,273.28	2,149.43	28.87	13.56	-43.56	-2,752.02	-70.48	1,661.59	1,630.10	31.49	52.765		
3,500.00	2,928.15	2,366.01	2,233.28	30.30	14.31	-45.19	-2,791.48	-67.10	1,639.21	1,605.70	33.51	48.913		
3,600.00	2,989.92	2,460.00	2,318.46	31.73	15.07	-46.87	-2,831.04	-63.81	1,617.81	1,582.18	35.62	45.413		
3,700.00	3,051.70	2,529.28	2,381.17	33.17	15.63	-48.13	-2,860.39	-61.43	1,598.09	1,560.48	37.60	42.497		
3,800.00	3,113.47	2,589.58	2,435.49	34.61	16.13	-49.25	-2,886.48	-59.08	1,580.85	1,541.29	39.56	39.957		
3,900.00	3,175.25	2,649.07	2,488.57	36.05	16.63	-50.34	-2,913.22	-56.55	1,566.69	1,525.14	41.56	37.699		
4,000.00	3,237.03	2,746.62	2,575.57	37.49	17.47	-52.18	-2,957.09	-51.89	1,554.42	1,510.42	44.00	35.327		
4,100.00	3,298.80	2,830.00	2,650.16	38.93	18.17	-53.78	-2,994.13	-47.85	1,543.39	1,497.02	46.36	33.289		
4,200.00	3,360.58	2,908.96	2,720.59	40.37	18.85	-55.29	-3,029.66	-44.38	1,534.29	1,485.56	48.73	31.486		
4,300.00	3,422.35	2,998.79	2,800.55	41.82	19.62	-57.01	-3,070.41	-40.41	1,527.20	1,475.93	51.27	29.790		
4,400.00	3,484.13	3,089.56	2,881.72	43.27	20.39	-58.79	-3,110.77	-35.80	1,521.48	1,467.61	53.87	28.244		
4,500.00	3,545.90	3,178.83	2,961.59	44.72	21.15	-60.55	-3,150.43	-31.65	1,517.28	1,460.79	56.49	26.858		
4,600.00	3,607.68	3,263.24	3,037.06	46.16	21.86	-62.20	-3,188.08	-28.11	1,514.74	1,455.66	59.09	25.636		
4,700.00	3,669.46	3,357.90	3,121.69	47.61	22.67	-64.06	-3,230.30	-24.21	1,513.94	1,452.10	61.83	24.484		
4,742.40	3,695.65	3,401.90	3,161.11	48.23	23.04	-64.92	-3,249.77	-22.67	1,513.86	1,450.81	63.05	24.009 CC		
4,800.00	3,731.23	3,447.43	3,201.94	49.06	23.42	-65.81	-3,269.85	-21.03	1,514.25	1,449.72	64.53	23.465		
4,900.00	3,793.01	3,524.00	3,270.63	50.52	24.07	-67.32	-3,303.55	-17.96	1,516.53	1,449.47	67.07	22.613 ES		
5,000.00	3,854.78	3,605.91	3,344.06	51.97	24.76	-68.94	-3,339.63	-13.85	1,521.26	1,451.60	69.67	21.836		
5,100.00	3,916.56	3,704.71	3,433.15	53.42	25.58	-70.92	-3,382.08	-9.20	1,526.93	1,454.43	72.50	21.061		

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

Civitas Resources

Anticollision Report

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Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	3,978.34	3,781.10	3,501.88	54.87	26.22	-72.43	-3,415.21	-5.55	1,534.73	1,459.74	74.99	20.465		
5,300.00	4,040.11	3,888.94	3,599.30	56.32	27.10	-74.55	-3,461.19	-0.73	1,543.71	1,465.80	77.91	19.813		
5,400.00	4,101.89	3,981.65	3,683.61	57.78	27.85	-76.39	-3,499.58	3.10	1,553.62	1,473.03	80.59	19.279		
5,500.00	4,163.66	4,064.56	3,758.94	59.23	28.52	-78.01	-3,534.07	6.28	1,565.20	1,482.13	83.08	18.840		
5,600.00	4,225.44	4,142.00	3,829.13	60.69	29.15	-79.49	-3,566.64	9.19	1,578.68	1,493.24	85.44	18.477		
5,700.00	4,287.21	4,220.65	3,900.11	62.14	29.80	-80.96	-3,600.40	12.12	1,594.16	1,506.39	87.77	18.162		
5,800.00	4,348.99	4,297.10	3,968.70	63.60	30.44	-82.34	-3,634.02	15.03	1,611.68	1,521.66	90.02	17.904		
5,900.00	4,410.77	4,374.72	4,038.16	65.05	31.10	-83.71	-3,668.52	18.24	1,631.12	1,538.88	92.23	17.685		
6,000.00	4,472.54	4,461.12	4,115.38	66.51	31.84	-85.20	-3,707.11	22.06	1,652.25	1,557.71	94.54	17.477		
6,100.00	4,534.32	4,547.50	4,192.97	67.96	32.57	-86.70	-3,744.87	25.84	1,674.39	1,577.60	96.80	17.298		
6,200.00	4,596.09	4,619.94	4,257.71	69.42	33.19	-87.90	-3,777.19	29.19	1,698.35	1,599.59	98.76	17.197		
6,300.00	4,657.87	4,697.93	4,327.26	70.88	33.86	-89.17	-3,812.24	33.17	1,724.02	1,623.25	100.77	17.109		
6,400.00	4,719.64	4,774.09	4,395.04	72.33	34.52	-90.38	-3,846.75	37.34	1,751.28	1,648.58	102.69	17.054		
6,500.00	4,781.42	4,858.02	4,469.37	73.79	35.26	-91.66	-3,885.44	42.05	1,779.94	1,675.22	104.72	16.997		
6,600.00	4,843.20	4,977.39	4,575.58	75.25	36.29	-93.45	-3,939.56	48.13	1,809.12	1,701.76	107.36	16.851		
6,700.00	4,904.97	5,071.03	4,659.30	76.71	37.09	-94.82	-3,981.35	51.67	1,837.97	1,728.50	109.47	16.790		
6,800.00	4,966.75	5,185.73	4,762.60	78.16	38.05	-96.49	-4,031.06	55.13	1,866.95	1,755.08	111.87	16.689		
6,900.00	5,028.52	5,270.60	4,839.64	79.62	38.73	-97.73	-4,066.62	57.32	1,896.34	1,782.66	113.69	16.680		
7,000.00	5,090.30	5,363.11	4,924.15	81.08	39.47	-99.08	-4,104.17	59.68	1,926.57	1,811.01	115.56	16.672 SF		
7,100.00	5,152.08	5,451.04	5,005.09	82.54	40.14	-100.37	-4,138.45	61.84	1,957.56	1,840.29	117.28	16.692		
7,200.00	5,213.85	5,543.63	5,091.36	83.99	40.80	-101.77	-4,171.98	64.02	1,989.31	1,870.36	118.95	16.724		
7,300.00	5,275.63	5,642.90	5,185.45	85.45	41.45	-103.34	-4,203.53	66.00	2,021.65	1,901.09	120.56	16.769		
7,400.00	5,337.40	5,715.91	5,255.35	86.91	41.90	-104.53	-4,224.59	67.34	2,055.02	1,933.33	121.69	16.887		
7,500.00	5,399.18	5,805.28	5,341.46	88.37	42.41	-106.00	-4,248.45	68.97	2,089.66	1,966.75	122.92	17.001		
7,600.00	5,460.95	5,888.58	5,422.38	89.83	42.85	-107.40	-4,268.14	70.00	2,125.19	2,001.25	123.93	17.148		
7,700.00	5,522.73	5,976.72	5,508.61	91.29	43.27	-108.90	-4,286.36	70.71	2,161.88	2,037.01	124.87	17.314		
7,800.00	5,584.51	6,055.48	5,586.06	92.75	43.62	-110.26	-4,300.65	70.73	2,199.51	2,073.93	125.58	17.515		
7,900.00	5,646.28	6,122.51	5,652.27	94.20	43.90	-111.42	-4,311.15	70.70	2,238.71	2,112.64	126.07	17.758		
8,000.00	5,708.06	6,190.76	5,719.86	95.66	44.16	-112.62	-4,320.51	70.64	2,279.49	2,153.03	126.46	18.025		
8,100.00	5,769.83	6,263.13	5,791.72	97.12	44.41	-113.88	-4,329.20	70.43	2,321.74	2,194.95	126.79	18.311		
8,200.00	5,831.61	6,327.62	5,855.85	98.58	44.62	-115.00	-4,335.93	70.04	2,365.40	2,238.42	126.98	18.629		
8,300.00	5,893.39	6,390.00	5,917.99	100.04	44.81	-116.09	-4,341.36	69.75	2,410.75	2,283.68	127.07	18.972		
8,400.00	5,955.16	6,437.87	5,965.74	101.50	44.94	-116.93	-4,344.71	69.60	2,457.80	2,330.84	126.97	19.358		
8,500.00	6,016.94	6,494.73	6,022.52	102.96	45.09	-117.92	-4,347.66	69.48	2,506.57	2,379.71	126.86	19.758		
8,600.00	6,078.71	6,589.84	6,117.51	104.42	45.33	-119.55	-4,352.42	68.75	2,556.33	2,429.37	126.96	20.135		
8,700.00	6,140.49	6,628.15	6,155.79	105.88	45.41	-120.19	-4,354.00	68.42	2,607.38	2,480.72	126.65	20.587		
8,800.00	6,202.26	6,671.00	6,198.62	107.34	45.51	-120.92	-4,355.20	68.18	2,660.14	2,533.81	126.33	21.057		
8,900.00	6,264.04	6,728.55	6,256.16	108.80	45.62	-121.88	-4,356.09	67.93	2,714.38	2,588.34	126.04	21.536		
9,000.00	6,325.82	6,790.94	6,318.55	110.26	45.74	-122.92	-4,356.45	67.56	2,769.87	2,644.12	125.75	22.027		
9,100.00	6,387.59	6,864.40	6,392.00	111.72	45.87	-124.11	-4,356.63	66.83	2,826.26	2,700.76	125.50	22.520		
9,200.00	6,449.37	6,927.13	6,454.73	113.18	45.97	-125.11	-4,356.67	66.03	2,883.56	2,758.38	125.18	23.036		
9,300.00	6,511.14	6,985.33	6,512.93	114.64	46.06	-126.02	-4,356.58	65.24	2,941.83	2,817.01	124.82	23.569		
9,400.00	6,572.92	7,039.81	6,567.40	116.10	46.15	-126.86	-4,356.31	64.55	3,001.16	2,876.72	124.44	24.118		
9,500.00	6,634.70	7,130.13	6,657.72	117.56	46.30	-128.20	-4,356.05	63.20	3,061.19	2,936.91	124.28	24.632		
9,600.00	6,696.47	7,194.39	6,721.96	119.02	46.41	-129.13	-4,356.36	62.06	3,121.65	2,997.66	123.99	25.177		
9,700.00	6,758.22	7,254.71	6,782.28	120.48	46.53	-131.15	-4,356.87	61.14	3,182.97	3,059.27	123.70	25.732		
9,800.00	6,817.23	7,311.54	6,839.09	122.00	46.64	-143.07	-4,357.38	60.35	3,252.12	3,128.60	123.52	26.328		
9,900.00	6,870.40	7,364.98	6,892.53	123.58	46.74	-156.55	-4,357.77	59.61	3,331.75	3,208.23	123.52	26.974		
10,000.00	6,916.13	7,411.89	6,939.43	125.16	46.82	-173.65	-4,357.93	58.86	3,419.05	3,295.41	123.64	27.653		
10,100.00	6,953.01	7,447.47	6,975.00	126.69	46.88	162.64	-4,357.94	58.24	3,511.25	3,387.40	123.85	28.352		
10,200.00	6,979.94	7,473.22	7,000.75	128.11	46.93	133.07	-4,357.90	57.80	3,605.57	3,481.44	124.13	29.048		
10,300.00	6,996.09	7,489.27	7,016.80	129.37	46.96	107.27	-4,357.86	57.52	3,699.31	3,574.84	124.47	29.720		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	7,001.00	7,495.22	7,022.75	130.45	46.97	91.69	-4,357.84	57.42	3,789.93	3,665.06	124.87	30.351		
10,500.00	7,001.00	7,496.76	7,024.28	131.44	46.97	91.74	-4,357.84	57.40	3,878.86	3,753.58	125.28	30.962		
10,600.00	7,001.00	7,498.29	7,025.82	132.48	46.97	91.79	-4,357.83	57.37	3,968.31	3,842.64	125.67	31.578		
10,700.00	7,001.00	7,499.83	7,027.36	133.54	46.98	91.84	-4,357.83	57.34	4,058.26	3,932.22	126.04	32.199		
10,800.00	7,001.00	7,501.36	7,028.89	134.64	46.98	91.89	-4,357.82	57.32	4,148.67	4,022.28	126.38	32.826		
10,900.00	7,001.00	7,502.90	7,030.42	135.77	46.98	91.94	-4,357.82	57.29	4,239.50	4,112.79	126.71	33.457		
11,000.00	7,001.00	7,504.43	7,031.95	136.94	46.98	91.99	-4,357.81	57.26	4,330.74	4,203.72	127.03	34.093		
11,100.00	7,001.00	7,505.96	7,033.48	138.14	46.99	92.04	-4,357.81	57.24	4,422.36	4,295.04	127.32	34.733		
11,200.00	7,001.00	7,507.48	7,035.01	139.38	46.99	92.09	-4,357.80	57.21	4,514.34	4,386.73	127.61	35.377		
11,300.00	7,001.00	7,509.01	7,036.54	140.65	46.99	92.14	-4,357.80	57.19	4,606.65	4,478.77	127.88	36.024		
11,400.00	7,001.00	7,514.00	7,041.53	141.95	47.00	92.30	-4,357.77	57.10	4,699.27	4,571.12	128.15	36.670		
11,500.00	7,001.00	7,514.00	7,041.53	143.29	47.00	92.30	-4,357.77	57.10	4,792.19	4,663.80	128.39	37.326		
11,600.00	7,001.00	7,514.00	7,041.53	144.66	47.00	92.30	-4,357.77	57.10	4,885.38	4,756.77	128.61	37.985		
11,700.00	7,001.00	7,514.00	7,041.53	146.06	47.00	92.30	-4,357.77	57.10	4,978.84	4,850.01	128.83	38.647		
11,800.00	7,001.00	7,514.00	7,041.53	147.50	47.00	92.30	-4,357.77	57.10	5,072.55	4,943.52	129.03	39.312		
11,900.00	7,001.00	7,514.00	7,041.53	148.97	47.00	92.30	-4,357.77	57.10	5,166.50	5,037.27	129.23	39.979		
12,000.00	7,001.00	7,514.00	7,041.53	150.47	47.00	92.30	-4,357.77	57.10	5,260.67	5,131.25	129.42	40.648		
12,100.00	7,001.00	7,514.00	7,041.53	152.00	47.00	92.30	-4,357.77	57.10	5,355.05	5,225.45	129.60	41.319		
12,200.00	7,001.00	7,514.00	7,041.53	153.57	47.00	92.30	-4,357.77	57.10	5,449.63	5,319.86	129.77	41.993		
12,300.00	7,001.00	7,514.00	7,041.53	155.16	47.00	92.30	-4,357.77	57.10	5,544.40	5,414.46	129.94	42.669		
12,400.00	7,001.00	7,514.00	7,041.53	156.79	47.00	92.30	-4,357.77	57.10	5,639.35	5,509.25	130.10	43.346		
12,500.00	7,001.00	7,514.00	7,041.53	158.44	47.00	92.30	-4,357.77	57.10	5,734.48	5,604.22	130.26	44.025		
12,600.00	7,001.00	7,514.00	7,041.53	160.13	47.00	92.30	-4,357.77	57.10	5,829.76	5,699.36	130.40	44.705		
12,700.00	7,001.00	7,514.00	7,041.53	161.84	47.00	92.30	-4,357.77	57.10	5,925.21	5,794.66	130.55	45.387		
12,800.00	7,001.00	7,514.00	7,041.53	163.58	47.00	92.30	-4,357.77	57.10	6,020.80	5,890.11	130.69	46.071		
12,900.00	7,001.00	7,514.00	7,041.53	165.35	47.00	92.30	-4,357.77	57.10	6,116.53	5,985.71	130.82	46.756		
13,000.00	7,001.00	7,514.00	7,041.53	167.14	47.00	92.30	-4,357.77	57.10	6,212.39	6,081.45	130.95	47.442		
13,100.00	7,001.00	7,514.00	7,041.53	168.97	47.00	92.30	-4,357.77	57.10	6,308.39	6,177.32	131.07	48.129		
13,200.00	7,001.00	7,514.00	7,041.53	170.81	47.00	92.30	-4,357.77	57.10	6,404.50	6,273.31	131.19	48.818		
13,300.00	7,001.00	7,514.00	7,041.53	172.68	47.00	92.30	-4,357.77	57.10	6,500.74	6,369.43	131.31	49.507		
13,400.00	7,001.00	7,514.00	7,041.53	174.58	47.00	92.30	-4,357.77	57.10	6,597.08	6,465.66	131.42	50.197		
13,500.00	7,001.00	7,514.00	7,041.53	176.50	47.00	92.30	-4,357.77	57.10	6,693.54	6,562.00	131.53	50.889		
13,600.00	7,001.00	7,514.00	7,041.53	178.44	47.00	92.30	-4,357.77	57.10	6,790.09	6,658.45	131.64	51.581		
13,700.00	7,001.00	7,514.00	7,041.53	180.41	47.00	92.30	-4,357.77	57.10	6,886.75	6,755.00	131.74	52.274		
13,800.00	7,001.00	7,514.00	7,041.53	182.39	47.00	92.30	-4,357.77	57.10	6,983.49	6,851.65	131.84	52.968		
13,900.00	7,001.00	7,514.00	7,041.53	184.40	47.00	92.30	-4,357.77	57.10	7,080.33	6,948.39	131.94	53.662		
14,000.00	7,001.00	7,514.00	7,041.53	186.43	47.00	92.30	-4,357.77	57.10	7,177.26	7,045.22	132.04	54.357		
14,100.00	7,001.00	7,514.00	7,041.53	188.48	47.00	92.30	-4,357.77	57.10	7,274.27	7,142.13	132.13	55.053		
14,200.00	7,001.00	7,514.00	7,041.53	190.54	47.00	92.30	-4,357.77	57.10	7,371.35	7,239.13	132.22	55.750		
14,300.00	7,001.00	7,514.00	7,041.53	192.63	47.00	92.30	-4,357.77	57.10	7,468.52	7,336.21	132.31	56.446		
14,400.00	7,001.00	7,537.61	7,065.13	194.73	47.04	93.07	-4,357.67	56.74	7,565.69	7,433.19	132.50	57.101		
14,500.00	7,001.00	7,538.31	7,065.83	196.85	47.04	93.10	-4,357.66	56.73	7,662.99	7,530.41	132.58	57.797		
14,600.00	7,001.00	7,539.00	7,066.52	198.99	47.04	93.12	-4,357.66	56.72	7,760.37	7,627.70	132.67	58.494		
14,700.00	7,001.00	7,539.68	7,067.20	201.14	47.04	93.14	-4,357.66	56.71	7,857.81	7,725.05	132.75	59.191		
14,800.00	7,001.00	7,540.35	7,067.87	203.31	47.04	93.16	-4,357.65	56.70	7,955.31	7,822.48	132.83	59.889		
14,900.00	7,001.00	7,541.01	7,068.53	205.50	47.04	93.18	-4,357.65	56.69	8,052.88	7,919.96	132.91	60.587		
15,000.00	7,001.00	7,541.66	7,069.18	207.70	47.05	93.21	-4,357.65	56.68	8,150.50	8,017.51	132.99	61.285		
15,100.00	7,001.00	7,542.31	7,069.83	209.91	47.05	93.23	-4,357.64	56.67	8,248.18	8,115.11	133.07	61.983		
15,200.00	7,001.00	7,542.95	7,070.47	212.14	47.05	93.25	-4,357.64	56.66	8,345.92	8,212.77	133.15	62.682		
15,300.00	7,001.00	7,543.58	7,071.10	214.38	47.05	93.27	-4,357.64	56.66	8,443.70	8,310.48	133.22	63.381		
15,400.00	7,001.00	7,544.20	7,071.72	216.64	47.05	93.29	-4,357.63	56.65	8,541.54	8,408.25	133.29	64.080		
15,500.00	7,001.00	7,544.82	7,072.34	218.90	47.05	93.31	-4,357.63	56.64	8,639.43	8,506.07	133.37	64.780		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	
15,600.00	7,001.00	7,545.43	7,072.95	221.18	47.05	93.33	-4,357.63	56.63	8,737.37	8,603.93	133.44	65.479	
15,700.00	7,001.00	7,546.03	7,073.55	223.47	47.05	93.35	-4,357.63	56.62	8,835.35	8,701.84	133.51	66.179	
15,800.00	7,001.00	7,546.62	7,074.14	225.78	47.05	93.37	-4,357.62	56.62	8,933.38	8,799.80	133.58	66.879	
15,900.00	7,001.00	7,547.21	7,074.73	228.09	47.05	93.39	-4,357.62	56.61	9,031.45	8,897.81	133.64	67.578	
16,000.00	7,001.00	7,547.79	7,075.31	230.41	47.06	93.41	-4,357.62	56.60	9,129.56	8,995.85	133.71	68.278	
16,100.00	7,001.00	7,548.36	7,075.88	232.75	47.06	93.42	-4,357.61	56.59	9,227.72	9,093.94	133.78	68.978	
16,200.00	7,001.00	7,548.93	7,076.45	235.09	47.06	93.44	-4,357.61	56.59	9,325.91	9,192.07	133.84	69.678	
16,300.00	7,001.00	7,549.49	7,077.01	237.45	47.06	93.46	-4,357.61	56.58	9,424.14	9,290.23	133.91	70.378	
16,400.00	7,001.00	7,550.05	7,077.57	239.81	47.06	93.48	-4,357.60	56.57	9,522.40	9,388.43	133.97	71.078	
16,500.00	7,001.00	7,550.59	7,078.11	242.18	47.06	93.50	-4,357.60	56.57	9,620.71	9,486.67	134.03	71.779	
16,600.00	7,001.00	7,551.14	7,078.66	244.56	47.06	93.51	-4,357.60	56.56	9,719.04	9,584.95	134.10	72.479	
16,700.00	7,001.00	7,551.67	7,079.19	246.95	47.06	93.53	-4,357.60	56.55	9,817.41	9,683.26	134.16	73.179	
16,800.00	7,001.00	7,552.20	7,079.72	249.35	47.06	93.55	-4,357.59	56.55	9,915.82	9,781.60	134.22	73.879	
16,900.00	7,001.00	7,552.73	7,080.25	251.75	47.06	93.57	-4,357.59	56.54	10,014.25	9,879.97	134.28	74.578	
17,000.00	7,001.00	7,553.24	7,080.76	254.17	47.06	93.58	-4,357.59	56.53	10,112.72	9,978.38	134.34	75.278	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	107.42	107.41	0.27	0.16	-177.62	-2,116.07	-88.04	2,118.22	2,117.78	0.43	4,892.848		
200.00	200.00	185.00	184.99	0.63	0.45	-177.63	-2,115.53	-87.60	2,117.39	2,116.31	1.08	1,956.450		
213.99	213.99	185.00	184.99	0.68	0.45	-177.63	-2,115.53	-87.60	2,117.35	2,116.21	1.13	1,869.461		
300.00	300.00	239.51	239.50	0.99	0.65	-177.65	-2,115.95	-86.94	2,117.97	2,116.33	1.63	1,296.223		
400.00	399.98	298.70	298.65	1.33	0.86	-23.04	-2,117.41	-85.75	2,118.77	2,116.58	2.19	969.246		
500.00	499.84	366.00	365.83	1.67	1.10	-23.15	-2,120.68	-83.34	2,118.51	2,115.74	2.76	766.809		
600.00	599.45	404.27	403.96	2.03	1.24	-23.25	-2,123.41	-81.43	2,117.11	2,113.86	3.25	651.424		
700.00	698.70	457.00	456.35	2.41	1.44	-23.43	-2,128.32	-78.22	2,114.96	2,111.16	3.80	557.233		
800.00	797.47	513.45	512.28	2.81	1.67	-23.67	-2,134.78	-74.08	2,111.78	2,107.41	4.37	483.273		
900.00	895.62	576.28	574.32	3.25	1.93	-23.99	-2,143.08	-68.64	2,107.30	2,102.32	4.98	423.065		
1,000.00	993.06	644.00	640.95	3.72	2.23	-24.40	-2,153.07	-61.81	2,101.31	2,095.68	5.63	373.384		
1,100.00	1,089.64	713.22	708.83	4.23	2.55	-24.88	-2,164.22	-54.16	2,093.71	2,087.41	6.30	332.190		
1,200.00	1,185.27	782.62	776.71	4.78	2.88	-25.42	-2,176.27	-46.21	2,084.46	2,077.46	7.00	297.898		
1,300.00	1,279.82	832.00	824.90	5.38	3.12	-25.86	-2,185.39	-40.42	2,073.75	2,066.13	7.62	272.107		
1,400.00	1,373.17	901.68	892.60	6.03	3.48	-26.50	-2,199.43	-31.79	2,061.80	2,053.44	8.36	246.549		
1,500.00	1,465.21	964.94	953.67	6.72	3.83	-27.16	-2,213.49	-23.18	2,049.02	2,039.92	9.10	225.102		
1,600.00	1,555.84	1,019.00	1,005.62	7.47	4.13	-27.81	-2,225.99	-14.97	2,034.90	2,025.08	9.82	207.153		
1,700.00	1,644.94	1,089.01	1,072.55	8.27	4.54	-28.67	-2,243.16	-3.71	2,019.64	2,008.98	10.66	189.470		
1,800.00	1,732.39	1,151.06	1,131.52	9.12	4.93	-29.52	-2,259.45	6.60	2,003.58	1,992.09	11.49	174.361		
1,900.00	1,818.11	1,206.00	1,183.48	10.02	5.27	-30.35	-2,274.42	16.37	1,986.51	1,974.19	12.32	161.250		
2,000.00	1,901.97	1,261.78	1,235.88	10.98	5.65	-31.24	-2,290.45	26.79	1,968.86	1,955.66	13.19	149.216		
2,100.00	1,983.88	1,300.00	1,271.52	11.98	5.91	-31.95	-2,302.13	34.13	1,951.11	1,937.10	14.00	139.334		
2,200.00	2,063.74	1,354.04	1,321.51	13.04	6.30	-32.91	-2,319.67	44.78	1,933.28	1,918.33	14.95	129.313		
2,300.00	2,141.45	1,394.00	1,358.14	14.14	6.60	-33.71	-2,333.44	52.87	1,915.64	1,899.79	15.85	120.867		
2,400.00	2,216.92	1,453.48	1,412.19	15.30	7.07	-34.86	-2,354.84	65.47	1,897.96	1,881.03	16.93	112.102		
2,500.00	2,290.05	1,512.43	1,465.29	16.50	7.54	-36.07	-2,376.73	78.73	1,880.20	1,862.13	18.07	104.073		
2,600.00	2,360.76	1,581.96	1,527.67	17.76	8.12	-37.53	-2,402.94	94.74	1,861.94	1,842.60	19.34	96.250		
2,700.00	2,428.95	1,670.18	1,606.75	19.05	8.86	-39.44	-2,436.06	115.50	1,842.77	1,821.93	20.84	88.404		
2,800.00	2,494.55	1,757.15	1,684.85	20.39	9.59	-41.45	-2,468.01	136.60	1,822.50	1,800.07	22.43	81.264		
2,900.00	2,557.49	1,838.22	1,757.75	21.78	10.28	-43.45	-2,497.16	156.79	1,801.47	1,777.41	24.06	74.882		
3,000.00	2,619.27	1,916.36	1,828.10	23.18	10.94	-45.17	-2,524.79	176.63	1,781.47	1,755.73	25.74	69.199		
3,100.00	2,681.04	1,985.85	1,890.65	24.60	11.54	-46.74	-2,548.88	194.92	1,763.86	1,736.44	27.42	64.325		
3,200.00	2,742.82	2,050.00	1,948.35	26.02	12.08	-48.18	-2,571.84	211.01	1,749.12	1,720.02	29.10	60.106		
3,300.00	2,804.59	2,101.59	1,994.57	27.44	12.54	-49.33	-2,590.88	223.76	1,737.58	1,706.87	30.71	56.586		
3,400.00	2,866.37	2,161.39	2,047.82	28.87	13.06	-50.68	-2,613.39	239.06	1,729.53	1,697.09	32.43	53.324		
3,500.00	2,928.15	2,250.75	2,127.55	30.30	13.86	-52.71	-2,646.54	262.05	1,723.86	1,689.34	34.52	49.935		
3,600.00	2,989.92	2,322.82	2,191.97	31.73	14.49	-54.35	-2,673.31	280.18	1,720.66	1,684.19	36.48	47.173		
3,680.05	3,039.38	2,388.68	2,250.87	32.88	15.07	-55.84	-2,697.93	296.40	1,719.94	1,681.78	38.16	45.070 CC		
3,700.00	3,051.70	2,405.36	2,265.81	33.17	15.22	-56.21	-2,704.11	300.50	1,719.99	1,681.40	38.59	44.572		
3,800.00	3,113.47	2,482.84	2,335.25	34.61	15.90	-57.96	-2,732.81	319.35	1,721.66	1,680.97	40.69	42.312 ES		
3,900.00	3,175.25	2,557.53	2,402.22	36.05	16.55	-59.63	-2,760.71	337.15	1,725.89	1,683.09	42.79	40.333		
4,000.00	3,237.03	2,629.80	2,467.00	37.49	17.19	-61.25	-2,787.67	354.43	1,732.74	1,687.85	44.89	38.598		
4,100.00	3,298.80	2,699.32	2,529.30	38.93	17.80	-62.80	-2,813.53	371.28	1,742.33	1,695.35	46.98	37.087		
4,200.00	3,360.58	2,770.21	2,592.81	40.37	18.42	-64.38	-2,839.68	388.81	1,754.63	1,705.53	49.10	35.739		
4,300.00	3,422.35	2,832.17	2,648.30	41.82	18.97	-65.76	-2,862.38	404.45	1,769.68	1,718.58	51.10	34.635		
4,400.00	3,484.13	2,893.00	2,702.45	43.27	19.52	-67.08	-2,885.41	419.89	1,787.85	1,734.79	53.07	33.691		
4,500.00	3,545.90	2,991.58	2,790.26	44.72	20.41	-69.20	-2,922.92	444.38	1,808.18	1,752.60	55.59	32.528		
4,600.00	3,607.68	3,084.68	2,873.79	46.16	21.23	-71.17	-2,957.45	466.72	1,829.76	1,771.74	58.03	31.533		
4,700.00	3,669.46	3,175.90	2,956.06	47.61	22.01	-73.07	-2,990.55	488.05	1,852.82	1,792.39	60.42	30.663		
4,800.00	3,731.23	3,227.17	3,002.25	49.06	22.46	-74.13	-3,009.27	500.06	1,878.14	1,815.93	62.21	30.192		
4,900.00	3,793.01	3,286.91	3,055.73	50.52	22.99	-75.33	-3,031.69	514.45	1,906.32	1,842.24	64.08	29.749		
5,000.00	3,854.78	3,374.49	3,134.15	51.97	23.76	-77.06	-3,064.57	535.39	1,936.34	1,869.97	66.37	29.173		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
5,100.00	3,916.56	3,465.15	3,215.65	53.42	24.55	-78.81	-3,098.27	556.43	1,967.57	1,898.88	68.69	28.643		
5,200.00	3,978.34	3,535.54	3,279.05	54.87	25.16	-80.15	-3,124.18	572.67	2,000.38	1,929.72	70.65	28.312		
5,300.00	4,040.11	3,588.10	3,326.36	56.32	25.62	-81.13	-3,143.40	585.11	2,035.28	1,963.00	72.28	28.158		
5,400.00	4,101.89	3,642.00	3,374.69	57.78	26.10	-82.13	-3,163.07	598.60	2,072.72	1,998.84	73.88	28.056		
5,500.00	4,163.66	3,715.83	3,440.92	59.23	26.75	-83.49	-3,189.67	617.50	2,112.09	2,036.30	75.79	27.869		
5,600.00	4,225.44	3,798.11	3,514.97	60.69	27.47	-84.97	-3,218.90	638.27	2,152.58	2,074.77	77.81	27.665		
5,700.00	4,287.21	3,880.57	3,589.21	62.14	28.19	-86.40	-3,248.45	658.66	2,194.18	2,114.37	79.81	27.494		
5,800.00	4,348.99	3,953.01	3,654.59	63.60	28.82	-87.64	-3,274.10	676.41	2,236.86	2,155.27	81.59	27.415 SF		
5,900.00	4,410.77	4,017.00	3,712.24	65.05	29.37	-88.70	-3,296.88	692.30	2,281.09	2,197.89	83.20	27.418		
6,000.00	4,472.54	4,066.55	3,756.68	66.51	29.82	-89.50	-3,314.82	704.88	2,326.99	2,242.49	84.51	27.536		
6,100.00	4,534.32	4,120.40	3,804.68	67.96	30.30	-90.34	-3,334.77	718.94	2,374.63	2,288.77	85.86	27.656		
6,200.00	4,596.09	4,186.47	3,863.21	69.42	30.92	-91.33	-3,359.98	736.39	2,423.64	2,336.20	87.45	27.716		
6,300.00	4,657.87	4,248.54	3,917.83	70.88	31.50	-92.22	-3,384.41	752.89	2,473.80	2,384.87	88.94	27.815		
6,400.00	4,719.64	4,317.19	3,977.83	72.33	32.16	-93.16	-3,412.16	771.39	2,525.14	2,434.59	90.55	27.886		
6,500.00	4,781.42	4,408.92	4,058.14	73.79	33.04	-94.37	-3,449.26	795.63	2,576.82	2,484.18	92.63	27.818		
6,600.00	4,843.20	4,467.58	4,109.70	75.25	33.60	-95.14	-3,472.51	811.21	2,629.29	2,535.29	94.00	27.970		
6,700.00	4,904.97	4,544.23	4,177.33	76.71	34.31	-96.13	-3,502.09	831.85	2,682.71	2,587.00	95.71	28.029		
6,800.00	4,966.75	4,645.75	4,267.60	78.16	35.25	-97.42	-3,540.03	858.64	2,736.38	2,638.49	97.89	27.954		
6,900.00	5,028.52	4,735.39	4,347.81	79.62	36.05	-98.54	-3,572.93	881.43	2,789.95	2,690.16	99.79	27.958		
7,000.00	5,090.30	4,802.31	4,407.99	81.08	36.64	-99.36	-3,596.86	898.29	2,844.03	2,742.81	101.22	28.097		
7,100.00	5,152.08	4,860.00	4,459.71	82.54	37.15	-100.05	-3,617.68	913.09	2,899.07	2,796.61	102.45	28.296		
7,200.00	5,213.85	4,984.99	4,571.46	83.99	38.27	-101.46	-3,664.09	944.41	2,954.19	2,849.18	105.02	28.130		
7,300.00	5,275.63	5,070.97	4,649.03	85.45	39.02	-102.41	-3,695.06	964.80	3,008.87	2,902.10	106.78	28.179		
7,400.00	5,337.40	5,120.43	4,693.65	86.91	39.45	-102.95	-3,712.76	976.72	3,064.42	2,956.61	107.81	28.423		
7,500.00	5,399.18	5,193.42	4,759.30	88.37	40.09	-103.72	-3,739.08	994.73	3,120.87	3,011.58	109.30	28.554		
7,600.00	5,460.95	5,262.96	4,821.89	89.83	40.70	-104.43	-3,764.18	1,011.70	3,177.61	3,066.90	110.71	28.703		
7,700.00	5,522.73	5,314.89	4,868.34	91.29	41.16	-104.93	-3,783.42	1,024.70	3,235.18	3,123.40	111.77	28.945		
7,800.00	5,584.51	5,395.89	4,940.45	92.75	41.90	-105.69	-3,814.02	1,045.31	3,293.38	3,179.96	113.42	29.036		
7,900.00	5,646.28	5,518.44	5,050.00	94.20	43.00	-106.80	-3,859.99	1,075.37	3,351.35	3,235.46	115.88	28.920		
8,000.00	5,708.06	5,586.86	5,111.62	95.66	43.59	-107.42	-3,884.94	1,091.57	3,409.11	3,291.87	117.24	29.079		
8,100.00	5,769.83	5,674.38	5,190.95	97.12	44.34	-108.21	-3,915.70	1,112.05	3,467.20	3,348.27	118.93	29.154		
8,200.00	5,831.61	5,735.02	5,246.07	98.58	44.85	-108.74	-3,936.77	1,126.03	3,525.45	3,405.36	120.09	29.357		
8,300.00	5,893.39	5,797.00	5,302.14	100.04	45.38	-109.27	-3,958.59	1,140.93	3,584.66	3,463.38	121.28	29.557		
8,400.00	5,955.16	5,841.43	5,342.30	101.50	45.76	-109.64	-3,974.14	1,151.85	3,644.52	3,522.41	122.12	29.845		
8,500.00	6,016.94	5,891.00	5,387.33	102.96	46.18	-110.06	-3,990.99	1,163.91	3,704.87	3,581.84	123.03	30.112		
8,600.00	6,078.71	5,949.67	5,440.67	104.42	46.68	-110.55	-4,010.66	1,178.42	3,765.85	3,641.73	124.12	30.341		
8,700.00	6,140.49	6,006.91	5,492.57	105.88	47.16	-111.01	-4,029.86	1,193.06	3,827.66	3,702.50	125.16	30.582		
8,800.00	6,202.26	6,220.30	5,687.62	107.34	48.92	-112.70	-4,100.04	1,243.58	3,888.70	3,759.57	129.13	30.115		
8,900.00	6,264.04	6,306.92	5,767.21	108.80	49.61	-113.36	-4,128.73	1,262.17	3,948.25	3,817.57	130.68	30.213		
9,000.00	6,325.82	6,408.24	5,861.44	110.26	50.36	-114.15	-4,159.54	1,283.06	4,008.06	3,875.66	132.40	30.272		
9,100.00	6,387.59	6,493.01	5,941.79	111.72	50.94	-114.86	-4,181.59	1,298.60	4,067.32	3,933.60	133.73	30.415		
9,200.00	6,449.37	6,547.00	5,993.27	113.18	51.28	-115.32	-4,194.58	1,308.42	4,127.27	3,992.73	134.53	30.678		
9,300.00	6,511.14	6,804.89	6,242.27	114.64	52.74	-117.56	-4,249.45	1,346.62	4,185.33	4,047.36	137.97	30.334		
9,400.00	6,572.92	6,965.90	6,399.30	116.10	53.54	-118.94	-4,280.37	1,364.15	4,242.09	4,102.21	139.88	30.326		
9,500.00	6,634.70	7,015.00	6,447.33	117.56	53.77	-119.36	-4,289.41	1,368.81	4,298.70	4,158.19	140.51	30.593		
9,600.00	6,696.47	7,074.82	6,505.97	119.02	54.05	-119.87	-4,299.78	1,374.50	4,355.95	4,214.73	141.22	30.845		
9,700.00	6,758.22	7,109.00	6,539.54	120.48	54.20	-121.20	-4,305.24	1,377.86	4,414.24	4,272.61	141.64	31.166		
9,800.00	6,817.23	7,156.85	6,586.60	122.00	54.41	-130.89	-4,312.44	1,382.70	4,481.13	4,338.94	142.19	31.515		
9,900.00	6,870.40	7,203.00	6,632.03	123.58	54.61	-141.16	-4,318.99	1,387.50	4,559.91	4,417.19	142.73	31.948		
10,000.00	6,916.13	7,257.95	6,686.24	125.16	54.83	-154.01	-4,326.09	1,392.96	4,647.69	4,504.38	143.31	32.430		
10,100.00	6,953.01	7,409.75	6,836.83	126.69	55.36	-174.35	-4,341.56	1,403.95	4,741.12	4,596.49	144.63	32.782		
10,200.00	6,979.94	7,444.61	6,871.54	128.11	55.46	150.97	-4,344.35	1,405.67	4,837.67	4,692.80	144.87	33.394		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
10,300.00	6,996.09	7,463.29	6,890.15	129.37	55.52	109.95	-4,345.70	1,406.51	4,934.93	4,789.99	144.94	34.048		
10,400.00	7,001.00	7,464.74	6,891.60	130.45	55.52	87.39	-4,345.80	1,406.57	5,030.14	4,885.29	144.85	34.726		
10,500.00	7,001.00	7,458.25	6,885.13	131.44	55.50	87.19	-4,345.34	1,406.29	5,123.88	4,979.17	144.70	35.410		
10,600.00	7,001.00	7,451.40	6,878.31	132.48	55.48	86.97	-4,344.85	1,405.99	5,217.84	5,073.29	144.55	36.096		
10,700.00	7,001.00	7,444.18	6,871.11	133.54	55.46	86.73	-4,344.31	1,405.65	5,312.01	5,167.61	144.40	36.786		
10,800.00	7,001.00	7,436.54	6,863.50	134.64	55.44	86.49	-4,343.73	1,405.30	5,406.39	5,262.14	144.26	37.478		
10,900.00	7,001.00	7,355.80	6,783.24	135.77	55.18	83.93	-4,336.42	1,400.50	5,500.94	5,357.38	143.56	38.319		
11,000.00	7,001.00	7,348.80	6,776.30	136.94	55.16	83.71	-4,335.73	1,400.01	5,595.61	5,452.19	143.42	39.016		
11,100.00	7,001.00	7,243.60	6,672.07	138.14	54.77	80.48	-4,324.33	1,391.60	5,690.58	5,548.14	142.43	39.953		
11,200.00	7,001.00	7,203.95	6,632.96	139.38	54.61	79.29	-4,319.12	1,387.60	5,785.42	5,643.43	141.99	40.746		
11,300.00	7,001.00	7,203.00	6,632.03	140.65	54.61	79.27	-4,318.99	1,387.50	5,880.40	5,738.49	141.91	41.437		
11,400.00	7,001.00	7,203.00	6,632.03	141.95	54.61	79.27	-4,318.99	1,387.50	5,975.54	5,833.69	141.85	42.127		
11,500.00	7,001.00	7,203.00	6,632.03	143.29	54.61	79.27	-4,318.99	1,387.50	6,070.84	5,929.05	141.78	42.818		
11,600.00	7,001.00	7,178.42	6,607.82	144.66	54.50	78.54	-4,315.55	1,384.92	6,166.20	6,024.72	141.48	43.583		
11,700.00	7,001.00	7,172.36	6,601.86	146.06	54.48	78.37	-4,314.69	1,384.29	6,261.74	6,120.38	141.36	44.295		
11,800.00	7,001.00	7,166.34	6,595.94	147.50	54.45	78.19	-4,313.82	1,383.67	6,357.41	6,216.16	141.25	45.008		
11,900.00	7,001.00	7,160.38	6,590.07	148.97	54.42	78.02	-4,312.96	1,383.06	6,453.21	6,312.07	141.14	45.722		
12,000.00	7,001.00	7,154.46	6,584.25	150.47	54.40	77.84	-4,312.09	1,382.45	6,549.11	6,408.08	141.03	46.437		
12,100.00	7,001.00	7,148.58	6,578.47	152.00	54.37	77.67	-4,311.23	1,381.85	6,645.13	6,504.21	140.93	47.154		
12,200.00	7,001.00	7,142.75	6,572.73	153.57	54.35	77.51	-4,310.36	1,381.26	6,741.26	6,600.44	140.82	47.871		
12,300.00	7,001.00	7,136.97	6,567.04	155.16	54.32	77.34	-4,309.50	1,380.67	6,837.49	6,696.77	140.72	48.589		
12,400.00	7,001.00	7,131.22	6,561.39	156.79	54.30	77.18	-4,308.64	1,380.09	6,933.82	6,793.20	140.62	49.308		
12,500.00	7,001.00	7,109.00	6,539.54	158.44	54.20	76.54	-4,305.24	1,377.86	7,030.28	6,889.91	140.37	50.084		
12,600.00	7,001.00	7,109.00	6,539.54	160.13	54.20	76.54	-4,305.24	1,377.86	7,126.77	6,986.44	140.33	50.786		
12,700.00	7,001.00	7,109.00	6,539.54	161.84	54.20	76.54	-4,305.24	1,377.86	7,223.36	7,083.07	140.29	51.488		
12,800.00	7,001.00	7,109.00	6,539.54	163.58	54.20	76.54	-4,305.24	1,377.86	7,320.04	7,179.78	140.25	52.191		
12,900.00	7,001.00	7,109.00	6,539.54	165.35	54.20	76.54	-4,305.24	1,377.86	7,416.81	7,276.59	140.22	52.895		
13,000.00	7,001.00	7,109.00	6,539.54	167.14	54.20	76.54	-4,305.24	1,377.86	7,513.66	7,373.47	140.18	53.599		
13,100.00	7,001.00	7,109.00	6,539.54	168.97	54.20	76.54	-4,305.24	1,377.86	7,610.59	7,470.44	140.15	54.303		
13,200.00	7,001.00	7,109.00	6,539.54	170.81	54.20	76.54	-4,305.24	1,377.86	7,707.60	7,567.49	140.12	55.008		
13,300.00	7,001.00	7,083.87	6,514.86	172.68	54.09	75.83	-4,301.26	1,375.39	7,804.61	7,664.76	139.85	55.807		
13,400.00	7,001.00	7,079.00	6,510.08	174.58	54.06	75.70	-4,300.47	1,374.91	7,901.74	7,761.96	139.78	56.531		
13,500.00	7,001.00	7,074.16	6,505.32	176.50	54.04	75.56	-4,299.67	1,374.44	7,998.93	7,859.23	139.70	57.257		
13,600.00	7,001.00	7,069.35	6,500.61	178.44	54.02	75.43	-4,298.88	1,373.97	8,096.19	7,956.55	139.63	57.982		
13,700.00	7,001.00	7,064.58	6,495.92	180.41	54.00	75.30	-4,298.08	1,373.51	8,193.50	8,053.94	139.56	58.709		
13,800.00	7,001.00	7,059.83	6,491.26	182.39	53.98	75.16	-4,297.28	1,373.06	8,290.87	8,151.38	139.49	59.435		
13,900.00	7,001.00	7,055.11	6,486.64	184.40	53.96	75.03	-4,296.48	1,372.60	8,388.30	8,248.88	139.43	60.162		
14,000.00	7,001.00	7,050.43	6,482.04	186.43	53.93	74.91	-4,295.68	1,372.15	8,485.79	8,346.42	139.36	60.890		
14,100.00	7,001.00	7,045.77	6,477.48	188.48	53.91	74.78	-4,294.87	1,371.71	8,583.32	8,444.03	139.30	61.618		
14,200.00	7,001.00	5,950.63	5,441.53	190.54	46.69	53.93	-4,010.98	1,178.66	8,679.08	8,554.03	125.05	69.406		
14,300.00	7,001.00	5,940.38	5,432.23	192.63	46.60	53.81	-4,007.54	1,176.08	8,774.52	8,649.59	124.94	70.232		
14,400.00	7,001.00	5,930.28	5,423.06	194.73	46.52	53.69	-4,004.15	1,173.56	8,870.04	8,745.21	124.83	71.058		
14,500.00	7,001.00	5,920.31	5,414.00	196.85	46.43	53.57	-4,000.81	1,171.08	8,965.63	8,840.91	124.72	71.885		
14,600.00	7,001.00	5,891.00	5,387.33	198.99	46.18	53.24	-3,990.99	1,163.91	9,061.34	8,937.03	124.31	72.895		
14,700.00	7,001.00	5,891.00	5,387.33	201.14	46.18	53.24	-3,990.99	1,163.91	9,157.02	9,032.66	124.36	73.632		
14,800.00	7,001.00	5,891.61	5,387.88	203.31	46.19	53.24	-3,991.20	1,164.06	9,252.79	9,128.37	124.43	74.363		
14,900.00	7,001.00	5,864.25	5,363.00	205.50	45.96	52.93	-3,981.96	1,157.41	9,348.62	9,224.58	124.05	75.364		
15,000.00	7,001.00	5,836.60	5,337.92	207.70	45.72	52.63	-3,972.47	1,150.66	9,444.47	9,320.80	123.66	76.373		
15,100.00	7,001.00	5,808.65	5,312.65	209.91	45.48	52.33	-3,962.71	1,143.81	9,540.32	9,417.05	123.27	77.391		
15,200.00	7,001.00	5,797.00	5,302.14	212.14	45.38	52.21	-3,958.59	1,140.93	9,636.21	9,513.06	123.15	78.249		
15,300.00	7,001.00	5,797.00	5,302.14	214.38	45.38	52.21	-3,958.59	1,140.93	9,732.17	9,608.96	123.21	78.991		
15,400.00	7,001.00	5,797.00	5,302.14	216.64	45.38	52.21	-3,958.59	1,140.93	9,828.21	9,704.94	123.26	79.734		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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 8-1 - 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	
15,500.00	7,001.00	5,765.67	5,273.84	218.90	45.11	51.88	-3,947.52	1,133.31	9,924.18	9,801.36	122.83	80.797	
15,600.00	7,001.00	5,757.21	5,266.18	221.18	45.04	51.80	-3,944.54	1,131.28	10,020.29	9,897.54	122.75	81.629	
15,700.00	7,001.00	5,748.87	5,258.62	223.47	44.97	51.71	-3,941.62	1,129.29	10,116.46	9,993.77	122.68	82.460	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	82.73	82.73	0.27	0.12	-178.83	-2,116.40	-43.27	2,116.88	2,116.48	0.39	5,389.901	
200.00	200.00	190.78	190.77	0.63	0.48	-178.85	-2,115.57	-42.35	2,116.09	2,114.98	1.11	1,905.963	
300.00	300.00	285.70	285.68	0.99	0.82	-178.89	-2,114.84	-41.08	2,115.29	2,113.48	1.81	1,169.608	
400.00	399.98	380.75	380.71	1.33	1.16	-24.33	-2,114.25	-39.13	2,113.04	2,110.55	2.49	847.567	
500.00	499.84	461.51	461.46	1.67	1.45	-24.45	-2,114.28	-37.88	2,108.28	2,105.16	3.12	675.442	
600.00	599.45	549.21	549.15	2.03	1.76	-24.63	-2,114.94	-36.82	2,101.08	2,097.30	3.78	555.522	
700.00	698.70	664.08	663.98	2.41	2.17	-24.95	-2,116.07	-34.09	2,091.00	2,086.45	4.55	459.127	
800.00	797.47	794.90	794.76	2.81	2.63	-25.39	-2,114.67	-31.45	2,075.54	2,070.15	5.39	385.067	
900.00	895.62	886.68	886.53	3.25	2.95	-25.76	-2,113.71	-31.61	2,057.24	2,051.16	6.09	338.057	
1,000.00	993.06	995.57	995.42	3.72	3.33	-26.27	-2,112.46	-31.26	2,035.80	2,028.95	6.85	296.992	
1,100.00	1,089.64	1,095.47	1,095.25	4.23	3.69	-26.93	-2,110.75	-28.30	2,010.85	2,003.23	7.61	264.098	
1,200.00	1,185.27	1,202.53	1,202.16	4.78	4.08	-27.79	-2,108.55	-22.92	1,982.72	1,974.30	8.42	235.555	
1,300.00	1,279.82	1,289.69	1,289.08	5.38	4.40	-28.69	-2,106.54	-16.85	1,951.62	1,942.45	9.17	212.802	
1,400.00	1,373.17	1,366.69	1,365.75	6.03	4.68	-29.67	-2,105.09	-9.94	1,918.34	1,908.43	9.92	193.475	
1,500.00	1,465.21	1,449.85	1,448.35	6.72	5.00	-30.88	-2,103.94	-0.34	1,883.14	1,872.42	10.71	175.764	
1,600.00	1,555.84	1,584.87	1,581.81	7.47	5.53	-32.97	-2,100.63	19.70	1,845.06	1,833.31	11.75	157.065	
1,700.00	1,644.94	1,682.17	1,677.19	8.27	5.94	-34.96	-2,095.92	38.30	1,803.13	1,790.42	12.71	141.920	
1,800.00	1,732.39	1,767.10	1,759.73	9.12	6.32	-37.06	-2,090.94	57.66	1,759.08	1,745.39	13.68	128.561	
1,900.00	1,818.11	1,842.19	1,832.06	10.02	6.68	-39.25	-2,086.07	77.21	1,713.63	1,698.93	14.70	116.542	
2,000.00	1,901.97	1,911.20	1,897.95	10.98	7.03	-41.55	-2,081.29	97.19	1,667.37	1,651.59	15.79	105.620	
2,100.00	1,983.88	1,991.38	1,973.75	11.98	7.46	-44.39	-2,075.23	122.57	1,620.69	1,603.66	17.03	95.165	
2,200.00	2,063.74	2,082.27	2,058.87	13.04	7.99	-47.84	-2,066.31	153.14	1,572.94	1,554.48	18.46	85.193	
2,300.00	2,141.45	2,150.44	2,122.23	14.14	8.40	-50.87	-2,058.45	177.06	1,525.13	1,505.24	19.89	76.696	
2,400.00	2,216.92	2,199.05	2,167.15	15.30	8.72	-53.39	-2,052.59	194.66	1,478.44	1,457.14	21.30	69.408	
2,500.00	2,290.05	2,245.98	2,210.35	16.50	9.02	-55.94	-2,046.88	212.11	1,433.64	1,410.83	22.81	62.847	
2,600.00	2,360.76	2,296.93	2,257.25	17.76	9.36	-58.70	-2,040.62	231.01	1,391.09	1,366.62	24.47	56.853	
2,700.00	2,428.95	2,340.61	2,297.53	19.05	9.66	-61.20	-2,035.23	247.00	1,351.29	1,325.12	26.17	51.642	
2,800.00	2,494.55	2,375.45	2,329.76	20.39	9.90	-63.33	-2,031.14	259.61	1,315.08	1,287.21	27.88	47.176	
2,900.00	2,557.49	2,409.07	2,360.93	21.78	10.12	-65.33	-2,027.45	271.66	1,283.08	1,253.44	29.64	43.285	
3,000.00	2,619.27	2,448.40	2,397.47	23.18	10.39	-67.02	-2,023.35	285.61	1,256.54	1,225.05	31.49	39.902	
3,100.00	2,681.04	2,490.86	2,436.95	24.60	10.68	-68.86	-2,018.85	300.57	1,236.25	1,202.89	33.35	37.065	
3,200.00	2,742.82	2,529.04	2,472.47	26.02	10.94	-70.52	-2,014.72	313.95	1,222.52	1,187.40	35.12	34.810	
3,300.00	2,804.59	2,562.09	2,503.22	27.44	11.17	-71.96	-2,011.27	325.56	1,215.81	1,179.07	36.74	33.091	
3,343.95	2,831.75	2,576.79	2,516.89	28.07	11.27	-72.60	-2,009.79	330.74	1,215.12	1,177.70	37.42	32.474 CC, ES	
3,400.00	2,866.37	2,595.68	2,534.47	28.87	11.40	-73.42	-2,007.93	337.41	1,216.25	1,178.00	38.25	31.801	
3,500.00	2,928.15	2,632.20	2,568.45	30.30	11.65	-75.00	-2,004.47	350.33	1,223.79	1,184.14	39.64	30.870	
3,600.00	2,989.92	2,670.42	2,604.02	31.73	11.92	-76.66	-2,000.93	363.86	1,238.18	1,197.28	40.91	30.267	
3,700.00	3,051.70	2,709.13	2,640.06	33.17	12.19	-78.32	-1,997.42	377.54	1,259.19	1,217.16	42.02	29.963	
3,800.00	3,113.47	2,748.83	2,677.03	34.61	12.47	-80.02	-1,993.86	391.57	1,286.44	1,243.43	43.00	29.916 SF	
3,900.00	3,175.25	2,788.71	2,714.18	36.05	12.75	-81.71	-1,990.31	405.63	1,319.53	1,275.69	43.84	30.098	
4,000.00	3,237.03	2,841.38	2,763.33	37.49	13.12	-83.91	-1,985.64	423.98	1,357.88	1,313.16	44.72	30.361	
4,100.00	3,298.80	2,898.42	2,816.78	38.93	13.51	-86.26	-1,980.55	443.22	1,400.74	1,355.18	45.56	30.747	
4,200.00	3,360.58	2,933.79	2,849.97	40.37	13.76	-87.70	-1,977.44	455.06	1,448.00	1,401.98	46.02	31.465	
4,300.00	3,422.35	2,972.47	2,886.26	41.82	14.02	-89.24	-1,974.11	468.04	1,499.39	1,452.94	46.45	32.279	
4,400.00	3,484.13	3,014.88	2,926.04	43.27	14.32	-90.91	-1,970.46	482.28	1,554.48	1,507.60	46.88	33.162	
4,500.00	3,545.90	3,058.03	2,966.52	44.72	14.62	-92.58	-1,966.49	496.68	1,612.81	1,565.54	47.26	34.125	
4,600.00	3,607.68	3,077.00	2,984.32	46.16	14.75	-93.31	-1,964.67	502.97	1,674.21	1,626.91	47.29	35.401	
4,700.00	3,669.46	3,112.62	3,017.65	47.61	15.00	-94.66	-1,961.10	515.01	1,738.46	1,690.94	47.52	36.584	
4,800.00	3,731.23	3,134.44	3,037.98	49.06	15.16	-95.47	-1,958.82	522.62	1,805.57	1,758.03	47.54	37.979	
4,900.00	3,793.01	3,170.00	3,070.93	50.52	15.42	-96.78	-1,954.96	535.40	1,875.29	1,827.55	47.74	39.282	
5,000.00	3,854.78	3,187.55	3,087.16	51.97	15.55	-97.41	-1,953.01	541.80	1,947.02	1,899.33	47.69	40.830	
5,100.00	3,916.56	3,250.23	3,145.30	53.42	16.01	-99.64	-1,946.02	564.14	2,020.30	1,972.05	48.25	41.873	

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	3,978.34	3,292.30	3,184.46	54.87	16.32	-101.08	-1,941.40	578.81	2,094.80	2,046.27	48.53	43.164		
5,300.00	4,040.11	3,328.85	3,218.47	56.32	16.58	-102.30	-1,937.60	591.65	2,170.71	2,121.96	48.75	44.530		
5,400.00	4,101.89	3,368.54	3,255.38	57.78	16.87	-103.59	-1,933.72	605.71	2,247.87	2,198.85	49.02	45.859		
5,500.00	4,163.66	3,418.11	3,301.54	59.23	17.23	-105.15	-1,928.84	623.10	2,326.01	2,276.58	49.43	47.058		
5,600.00	4,225.44	3,462.16	3,342.65	60.69	17.55	-106.50	-1,924.34	638.30	2,404.99	2,355.22	49.77	48.325		
5,700.00	4,287.21	3,493.69	3,372.05	62.14	17.78	-107.45	-1,920.99	649.15	2,484.91	2,434.97	49.94	49.756		
5,800.00	4,348.99	3,524.62	3,400.88	63.60	18.01	-108.35	-1,917.58	659.83	2,565.79	2,515.67	50.12	51.197		
5,900.00	4,410.77	3,564.54	3,438.06	65.05	18.30	-109.50	-1,913.07	673.64	2,647.50	2,597.08	50.42	52.511		
6,000.00	4,472.54	3,625.70	3,495.14	66.51	18.74	-111.19	-1,906.57	694.65	2,729.69	2,678.67	51.02	53.506		
6,100.00	4,534.32	3,733.93	3,596.63	67.96	19.51	-113.96	-1,896.75	730.92	2,811.92	2,759.66	52.26	53.810		
6,200.00	4,596.09	3,812.79	3,671.24	69.42	20.04	-115.85	-1,890.66	755.71	2,893.34	2,840.25	53.10	54.489		
6,300.00	4,657.87	3,858.26	3,714.34	70.88	20.35	-116.90	-1,887.12	769.75	2,975.31	2,921.80	53.51	55.602		
6,400.00	4,719.64	3,877.94	3,732.96	72.33	20.49	-117.34	-1,885.48	775.93	3,058.09	3,004.49	53.60	57.058		
6,500.00	4,781.42	3,920.00	3,772.59	73.79	20.77	-118.27	-1,881.70	789.50	3,141.80	3,087.82	53.98	58.207		
6,600.00	4,843.20	3,920.00	3,772.59	75.25	20.77	-118.27	-1,881.70	789.50	3,225.85	3,172.03	53.82	59.942		
6,700.00	4,904.97	3,943.69	3,794.84	76.71	20.94	-118.78	-1,879.46	797.31	3,310.67	3,256.70	53.97	61.341		
6,800.00	4,966.75	3,974.60	3,823.85	78.16	21.16	-119.42	-1,876.52	807.57	3,395.97	3,341.74	54.23	62.623		
6,900.00	5,028.52	4,014.00	3,860.78	79.62	21.44	-120.23	-1,872.73	820.77	3,481.71	3,427.10	54.61	63.761		
7,000.00	5,090.30	4,037.09	3,882.39	81.08	21.61	-120.69	-1,870.49	828.56	3,567.82	3,513.04	54.77	65.138		
7,100.00	5,152.08	4,069.32	3,912.57	82.54	21.84	-121.32	-1,867.33	839.46	3,654.30	3,599.23	55.07	66.359		
7,200.00	5,213.85	4,107.00	3,947.80	83.99	22.11	-122.04	-1,863.58	852.27	3,741.12	3,685.67	55.44	67.477		
7,300.00	5,275.63	4,140.60	3,979.22	85.45	22.35	-122.66	-1,860.18	863.68	3,828.21	3,772.45	55.77	68.646		
7,400.00	5,337.40	4,181.50	4,017.48	86.91	22.65	-123.40	-1,855.97	877.50	3,915.53	3,859.33	56.19	69.679		
7,500.00	5,399.18	4,201.00	4,035.73	88.37	22.79	-123.75	-1,853.93	884.06	4,003.09	3,946.75	56.34	71.053		
7,600.00	5,460.95	4,242.22	4,074.28	89.83	23.09	-124.47	-1,849.62	898.03	4,090.87	4,034.09	56.78	72.046		
7,700.00	5,522.73	4,269.02	4,099.28	91.29	23.29	-124.92	-1,846.85	907.26	4,178.99	4,121.96	57.04	73.267		
7,800.00	5,584.51	4,295.00	4,123.49	92.75	23.48	-125.34	-1,844.20	916.31	4,267.40	4,210.11	57.29	74.489		
7,900.00	5,646.28	4,322.38	4,148.96	94.20	23.69	-125.78	-1,841.41	925.95	4,356.06	4,298.50	57.57	75.668		
8,000.00	5,708.06	4,348.90	4,173.61	95.66	23.89	-126.20	-1,838.73	935.38	4,444.98	4,387.14	57.84	76.847		
8,100.00	5,769.83	4,388.00	4,209.87	97.12	24.18	-126.79	-1,834.79	949.46	4,534.17	4,475.88	58.29	77.782		
8,200.00	5,831.61	4,406.90	4,227.37	98.58	24.33	-127.07	-1,832.89	956.31	4,623.53	4,565.05	58.47	79.070		
8,300.00	5,893.39	4,443.98	4,261.72	100.04	24.61	-127.61	-1,829.19	969.79	4,713.03	4,654.12	58.91	80.004		
8,400.00	5,955.16	4,482.00	4,296.93	101.50	24.90	-128.14	-1,825.44	983.64	4,802.67	4,743.31	59.36	80.901		
8,500.00	6,016.94	4,523.22	4,335.11	102.96	25.22	-128.71	-1,821.36	998.65	4,892.40	4,832.54	59.87	81.721		
8,600.00	6,078.71	4,565.57	4,374.36	104.42	25.54	-129.27	-1,817.15	1,013.99	4,982.20	4,921.81	60.39	82.503		
8,700.00	6,140.49	4,576.00	4,384.02	105.88	25.62	-129.41	-1,816.10	1,017.75	5,072.16	5,011.69	60.47	83.877		
8,800.00	6,202.26	4,607.13	4,412.86	107.34	25.87	-129.81	-1,812.89	1,029.04	5,162.27	5,101.43	60.84	84.846		
8,900.00	6,264.04	4,624.39	4,428.82	108.80	26.00	-130.03	-1,811.03	1,035.34	5,252.66	5,191.63	61.03	86.071		
9,000.00	6,325.82	4,641.30	4,444.44	110.26	26.13	-130.25	-1,809.14	1,041.55	5,343.27	5,282.06	61.21	87.295		
9,100.00	6,387.59	4,670.00	4,470.90	111.72	26.35	-130.60	-1,805.81	1,052.14	5,434.12	5,372.56	61.56	88.279		
9,200.00	6,449.37	4,754.10	4,496.62	113.18	26.19	-148.19	-1,692.61	1,415.46	5,509.62	5,427.88	81.74	67.407		
9,300.00	6,511.14	4,821.19	4,563.70	114.64	26.33	-148.60	-1,693.03	1,414.55	5,582.06	5,499.79	82.27	67.854		
9,400.00	6,572.92	4,902.15	4,644.65	116.10	26.49	-149.10	-1,693.62	1,413.29	5,654.52	5,571.65	82.87	68.232		
9,500.00	6,634.70	4,918.00	4,660.50	117.56	26.52	-149.19	-1,693.75	1,413.03	5,727.20	5,644.09	83.11	68.909		
9,600.00	6,696.47	4,965.91	4,708.40	119.02	26.62	-149.48	-1,693.99	1,412.41	5,800.22	5,716.68	83.54	69.432		
9,700.00	6,758.22	5,012.00	4,754.49	120.48	26.72	-151.42	-1,693.86	1,412.17	5,873.97	5,790.02	83.95	69.969		
9,800.00	6,817.23	5,045.74	4,788.23	122.00	26.79	-168.04	-1,693.69	1,412.10	5,952.63	5,868.35	84.29	70.623		
9,900.00	6,870.40	5,184.65	4,927.14	123.58	27.09	172.67	-1,694.22	1,411.15	6,036.71	5,951.49	85.22	70.836		
10,000.00	6,916.13	5,271.98	5,014.45	125.16	27.27	151.67	-1,695.12	1,409.88	6,123.69	6,037.91	85.78	71.387		
10,100.00	6,953.01	5,317.94	5,060.39	126.69	27.36	130.80	-1,695.71	1,409.04	6,211.36	6,125.33	86.03	72.199		
10,200.00	6,979.94	5,344.35	5,086.80	128.11	27.42	113.09	-1,696.07	1,408.60	6,297.47	6,211.37	86.10	73.140		
10,300.00	6,996.09	5,360.71	5,103.16	129.37	27.45	100.05	-1,696.30	1,408.33	6,379.66	6,293.59	86.07	74.125		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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 16-36 - Wellbore #1 - Wellbore #1		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	7,001.00	7,366.64	7,109.09	130.45	37.46	91.78	-1,696.39	1,408.24	6,455.72	6,369.76	85.95	75.107						
10,500.00	7,001.00	7,368.03	7,110.47	131.44	37.46	91.80	-1,696.41	1,408.22	6,528.99	6,443.15	85.84	76.061						
10,600.00	7,001.00	7,369.40	7,111.85	132.48	37.47	91.81	-1,696.43	1,408.20	6,602.96	6,517.21	85.75	77.005						
10,700.00	7,001.00	7,370.76	7,113.21	133.54	37.47	91.83	-1,696.45	1,408.18	6,677.61	6,591.93	85.68	77.937						
10,800.00	7,001.00	7,372.12	7,114.56	134.64	37.47	91.85	-1,696.47	1,408.16	6,752.92	6,667.29	85.63	78.859						
10,900.00	7,001.00	7,373.46	7,115.90	135.77	37.48	91.87	-1,696.49	1,408.14	6,828.86	6,743.25	85.61	79.770						
11,000.00	7,001.00	7,374.79	7,117.23	136.94	37.48	91.88	-1,696.51	1,408.12	6,905.41	6,819.81	85.60	80.671						
11,100.00	7,001.00	7,376.10	7,118.55	138.14	37.48	91.90	-1,696.53	1,408.10	6,982.56	6,896.95	85.61	81.562						
11,200.00	7,001.00	7,377.41	7,119.86	139.38	37.48	91.92	-1,696.55	1,408.08	7,060.28	6,974.64	85.64	82.443						
11,300.00	7,001.00	7,378.71	7,121.15	140.65	37.49	91.93	-1,696.57	1,408.06	7,138.55	7,052.87	85.68	83.316						
11,400.00	7,001.00	7,380.00	7,122.44	141.95	37.49	91.95	-1,696.59	1,408.04	7,217.36	7,131.62	85.74	84.179						
11,500.00	7,001.00	7,387.00	7,129.44	143.29	37.50	92.04	-1,696.69	1,407.94	7,296.69	7,210.84	85.84	85.000						
11,600.00	7,001.00	7,387.00	7,129.44	144.66	37.50	92.04	-1,696.69	1,407.94	7,376.52	7,290.60	85.92	85.854						
11,700.00	7,001.00	7,387.00	7,129.44	146.06	37.50	92.04	-1,696.69	1,407.94	7,456.83	7,370.83	86.01	86.701						
11,800.00	7,001.00	7,387.00	7,129.44	147.50	37.50	92.04	-1,696.69	1,407.94	7,537.62	7,451.52	86.10	87.541						
11,900.00	7,001.00	7,387.00	7,129.44	148.97	37.50	92.04	-1,696.69	1,407.94	7,618.86	7,532.65	86.21	88.374						
12,000.00	7,001.00	7,387.00	7,129.44	150.47	37.50	92.04	-1,696.69	1,407.94	7,700.55	7,614.22	86.33	89.201						
12,100.00	7,001.00	7,387.00	7,129.44	152.00	37.50	92.04	-1,696.69	1,407.94	7,782.66	7,696.21	86.45	90.022						
12,200.00	7,001.00	7,387.00	7,129.44	153.57	37.50	92.04	-1,696.69	1,407.94	7,865.19	7,778.60	86.59	90.837						
12,300.00	7,001.00	7,387.00	7,129.44	155.16	37.50	92.04	-1,696.69	1,407.94	7,948.12	7,861.39	86.73	91.646						
12,400.00	7,001.00	7,387.00	7,129.44	156.79	37.50	92.04	-1,696.69	1,407.94	8,031.43	7,944.56	86.87	92.450						
12,500.00	7,001.00	7,387.00	7,129.44	158.44	37.50	92.04	-1,696.69	1,407.94	8,115.13	8,028.10	87.03	93.250						
12,600.00	7,001.00	7,394.72	7,137.16	160.13	37.52	92.14	-1,696.81	1,407.83	8,199.18	8,111.95	87.23	93.994						
12,700.00	7,001.00	7,395.89	7,138.33	161.84	37.52	92.16	-1,696.83	1,407.81	8,283.59	8,196.19	87.40	94.777						
12,800.00	7,001.00	7,397.04	7,139.48	163.58	37.52	92.17	-1,696.85	1,407.80	8,368.35	8,280.77	87.57	95.556						
12,900.00	7,001.00	4,228.28	4,061.24	165.35	22.99	55.66	-1,851.07	893.27	8,450.59	8,386.62	63.96	132.113						
13,000.00	7,001.00	4,201.00	4,035.73	167.14	22.79	55.41	-1,853.93	884.06	8,529.98	8,465.86	64.13	133.020						
13,100.00	7,001.00	4,187.22	4,022.84	168.97	22.69	55.28	-1,855.37	879.43	8,609.71	8,545.30	64.41	133.679						
13,200.00	7,001.00	4,146.19	3,984.45	170.81	22.40	54.91	-1,859.61	865.58	8,689.73	8,625.27	64.46	134.806						
13,300.00	7,001.00	4,107.00	3,947.80	172.68	22.11	54.55	-1,863.58	852.27	8,770.00	8,705.46	64.54	135.891						
13,400.00	7,001.00	4,083.63	3,925.95	174.58	21.94	54.34	-1,865.92	844.32	8,850.56	8,785.81	64.75	136.694						
13,500.00	7,001.00	4,061.63	3,905.37	176.50	21.78	54.15	-1,868.09	836.86	8,931.42	8,866.45	64.97	137.470						
13,600.00	7,001.00	4,039.76	3,884.90	178.44	21.63	53.95	-1,870.23	829.46	9,012.59	8,947.39	65.20	138.240						
13,700.00	7,001.00	4,014.00	3,860.78	180.41	21.44	53.72	-1,872.73	820.77	9,094.05	9,028.66	65.39	139.072						
13,800.00	7,001.00	4,014.00	3,860.78	182.39	21.44	53.72	-1,872.73	820.77	9,175.82	9,110.04	65.79	139.480						
13,900.00	7,001.00	3,980.80	3,829.66	184.40	21.20	53.43	-1,875.92	809.64	9,257.84	9,191.92	65.93	140.426						
14,000.00	7,001.00	3,962.75	3,812.73	186.43	21.08	53.27	-1,877.65	803.63	9,340.17	9,273.99	66.18	141.127						
14,100.00	7,001.00	3,944.85	3,795.93	188.48	20.95	53.11	-1,879.35	797.70	9,422.78	9,356.34	66.44	141.826						
14,200.00	7,001.00	3,920.00	3,772.59	190.54	20.77	52.90	-1,881.70	789.50	9,505.66	9,439.02	66.64	142.634						
14,300.00	7,001.00	3,920.00	3,772.59	192.63	20.77	52.90	-1,881.70	789.50	9,588.81	9,521.79	67.03	143.060						
14,400.00	7,001.00	3,920.00	3,772.59	194.73	20.77	52.90	-1,881.70	789.50	9,672.28	9,604.88	67.40	143.496						
14,500.00	7,001.00	3,920.00	3,772.59	196.85	20.77	52.90	-1,881.70	789.50	9,756.06	9,688.29	67.78	143.941						
14,600.00	7,001.00	3,920.00	3,772.59	198.99	20.77	52.90	-1,881.70	789.50	9,840.15	9,772.00	68.15	144.394						
14,700.00	7,001.00	3,920.00	3,772.59	201.14	20.77	52.90	-1,881.70	789.50	9,924.53	9,856.01	68.51	144.857						
14,800.00	7,001.00	3,880.93	3,735.78	203.31	20.51	52.56	-1,885.23	776.87	10,008.83	9,940.22	68.61	145.878						

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	123.51	123.49	0.27	0.26	-178.38	-2,114.86	-59.85	2,116.36	2,115.83	0.52	4,042.324		
200.00	200.00	263.63	263.50	0.63	0.76	-178.32	-2,110.17	-61.98	2,113.11	2,111.72	1.39	1,524.232		
300.00	300.00	432.16	431.71	0.99	1.37	-178.38	-2,100.34	-59.39	2,107.31	2,104.96	2.35	896.071		
400.00	399.98	603.82	602.35	1.33	2.03	-24.10	-2,084.27	-50.18	2,096.09	2,092.76	3.33	629.671		
500.00	499.84	788.85	785.09	1.67	2.79	-24.79	-2,060.20	-34.21	2,078.03	2,073.65	4.38	473.982		
600.00	599.45	1,009.96	1,000.14	2.03	3.85	-26.20	-2,021.29	-1.19	2,052.60	2,046.94	5.66	362.969		
700.00	698.70	1,165.57	1,149.62	2.41	4.69	-27.53	-1,986.02	23.80	2,019.02	2,012.33	6.69	301.738		
800.00	797.47	1,269.02	1,248.83	2.81	5.27	-28.65	-1,961.16	39.33	1,981.80	1,974.29	7.51	263.862		
900.00	895.62	1,363.14	1,338.87	3.25	5.81	-29.85	-1,938.01	54.04	1,941.48	1,933.17	8.31	233.696		
1,000.00	993.06	1,435.28	1,407.90	3.72	6.23	-31.00	-1,920.36	65.27	1,898.87	1,889.84	9.03	210.289		
1,100.00	1,089.64	1,503.91	1,473.65	4.23	6.63	-32.25	-1,904.30	76.62	1,854.84	1,845.08	9.76	190.021		
1,200.00	1,185.27	1,585.60	1,551.89	4.78	7.10	-33.81	-1,885.45	90.68	1,808.98	1,798.40	10.58	170.988		
1,300.00	1,279.82	1,663.04	1,626.14	5.38	7.55	-35.48	-1,867.73	103.71	1,761.26	1,749.85	11.41	154.381		
1,400.00	1,373.17	1,724.99	1,685.67	6.03	7.90	-37.08	-1,853.91	113.87	1,712.15	1,699.95	12.20	140.285		
1,500.00	1,465.21	1,793.30	1,751.40	6.72	8.29	-38.94	-1,839.37	125.47	1,662.21	1,649.14	13.07	127.150		
1,600.00	1,555.84	1,875.14	1,830.02	7.47	8.76	-41.28	-1,821.76	139.83	1,610.72	1,596.67	14.05	114.619		
1,700.00	1,644.94	1,945.29	1,897.48	8.27	9.17	-43.62	-1,806.70	151.80	1,558.06	1,543.02	15.04	103.594		
1,800.00	1,732.39	2,009.49	1,959.33	9.12	9.53	-46.02	-1,793.18	162.45	1,504.72	1,488.66	16.07	93.656		
1,900.00	1,818.11	2,085.20	2,032.27	10.02	9.96	-48.96	-1,777.42	175.18	1,451.01	1,433.79	17.22	84.250		
2,000.00	1,901.97	2,166.39	2,110.25	10.98	10.43	-52.38	-1,759.52	189.00	1,396.27	1,377.77	18.50	75.486		
2,100.00	1,983.88	2,231.33	2,172.67	11.98	10.81	-55.56	-1,745.03	199.56	1,341.52	1,321.71	19.81	67.735		
2,200.00	2,063.74	2,285.24	2,224.59	13.04	11.11	-58.56	-1,733.23	207.96	1,287.61	1,266.43	21.18	60.807		
2,300.00	2,141.45	2,337.97	2,275.49	14.14	11.41	-61.66	-1,722.04	216.01	1,235.26	1,212.60	22.66	54.502		
2,400.00	2,216.92	2,390.51	2,326.20	15.30	11.71	-64.89	-1,711.02	224.21	1,185.00	1,160.71	24.29	48.791		
2,500.00	2,290.05	2,441.40	2,375.28	16.50	11.99	-68.16	-1,700.35	232.45	1,137.50	1,111.46	26.04	43.678		
2,600.00	2,360.76	2,491.53	2,423.59	17.76	12.28	-71.47	-1,689.82	240.66	1,093.50	1,065.57	27.93	39.152		
2,700.00	2,428.95	2,538.89	2,469.23	19.05	12.55	-74.66	-1,679.81	248.44	1,053.89	1,023.97	29.92	35.223		
2,800.00	2,494.55	2,582.92	2,511.61	20.39	12.80	-77.67	-1,670.38	255.78	1,019.65	987.67	31.98	31.886		
2,900.00	2,557.49	2,621.55	2,548.74	21.78	13.02	-80.29	-1,662.01	262.32	991.86	957.82	34.04	29.138		
3,000.00	2,619.27	2,656.29	2,582.14	23.18	13.23	-82.20	-1,654.51	268.30	971.89	935.87	36.02	26.981		
3,100.00	2,681.04	2,691.05	2,615.54	24.60	13.43	-84.11	-1,647.06	274.39	960.57	922.72	37.86	25.373		
3,176.10	2,728.06	2,717.64	2,641.06	25.68	13.59	-85.58	-1,641.36	279.15	957.95	918.83	39.12	24.485 CC		
3,200.00	2,742.82	2,725.77	2,648.86	26.02	13.64	-86.04	-1,639.56	280.65	958.21	918.72	39.49	24.264 ES		
3,300.00	2,804.59	2,758.15	2,679.78	27.44	13.83	-87.84	-1,632.19	286.79	964.96	924.11	40.84	23.625		
3,400.00	2,866.37	2,788.03	2,708.17	28.87	14.02	-89.51	-1,625.04	292.74	980.76	938.87	41.89	23.414 SF		
3,500.00	2,928.15	2,822.13	2,740.46	30.30	14.23	-91.41	-1,616.59	299.73	1,005.24	962.56	42.68	23.550		
3,600.00	2,989.92	2,858.62	2,775.02	31.73	14.47	-93.43	-1,607.53	307.13	1,037.63	994.38	43.25	23.994		
3,700.00	3,051.70	2,896.58	2,811.00	33.17	14.71	-95.51	-1,598.11	314.75	1,077.19	1,033.59	43.60	24.706		
3,800.00	3,113.47	2,942.54	2,854.68	34.61	14.99	-97.99	-1,586.93	323.64	1,122.98	1,079.12	43.86	25.605		
3,900.00	3,175.25	2,991.63	2,901.54	36.05	15.30	-100.57	-1,575.40	332.67	1,174.08	1,130.06	44.02	26.673		
4,000.00	3,237.03	3,022.18	2,930.73	37.49	15.48	-102.15	-1,568.36	338.27	1,230.06	1,186.15	43.91	28.013		
4,100.00	3,298.80	3,055.78	2,962.85	38.93	15.68	-103.85	-1,560.70	344.50	1,290.41	1,246.64	43.78	29.478		
4,200.00	3,360.58	3,090.70	2,996.23	40.37	15.90	-105.59	-1,552.83	351.09	1,354.55	1,310.93	43.62	31.052		
4,300.00	3,422.35	3,128.17	3,032.07	41.82	16.12	-107.40	-1,544.54	358.21	1,421.88	1,378.40	43.48	32.701		
4,400.00	3,484.13	3,166.33	3,068.60	43.27	16.35	-109.19	-1,536.28	365.52	1,491.94	1,448.59	43.35	34.415		
4,500.00	3,545.90	3,208.09	3,108.61	44.72	16.60	-111.10	-1,527.36	373.50	1,564.30	1,521.03	43.27	36.153		
4,600.00	3,607.68	3,250.66	3,149.42	46.16	16.85	-112.97	-1,518.29	381.50	1,638.60	1,595.39	43.21	37.922		
4,700.00	3,669.46	3,292.92	3,189.97	47.61	17.10	-114.78	-1,509.33	389.35	1,714.57	1,671.40	43.17	39.721		
4,800.00	3,731.23	3,335.52	3,230.88	49.06	17.35	-116.53	-1,500.44	397.21	1,792.00	1,748.85	43.15	41.531		
4,900.00	3,793.01	3,382.63	3,276.17	50.52	17.63	-118.39	-1,490.72	405.81	1,870.67	1,827.47	43.20	43.303		
5,000.00	3,854.78	3,434.33	3,325.92	51.97	17.93	-120.36	-1,479.90	414.79	1,950.30	1,906.99	43.31	45.029		
5,100.00	3,916.56	3,510.95	3,399.84	53.42	18.36	-123.13	-1,463.91	427.09	2,030.58	1,986.91	43.67	46.496		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	3,978.34	3,543.82	3,431.66	54.87	18.54	-124.27	-1,457.31	431.95	2,111.21	2,067.57	43.64	48.375		
5,300.00	4,040.11	3,584.74	3,471.28	56.32	18.77	-125.63	-1,449.05	438.06	2,192.72	2,149.01	43.71	50.166		
5,400.00	4,101.89	3,608.06	3,493.79	57.78	18.90	-126.39	-1,444.22	441.73	2,275.37	2,231.74	43.63	52.152		
5,500.00	4,163.66	3,639.00	3,523.60	59.23	19.07	-127.36	-1,437.67	446.81	2,359.01	2,315.37	43.64	54.056		
5,600.00	4,225.44	3,684.90	3,567.82	60.69	19.34	-128.76	-1,427.95	454.35	2,443.32	2,399.51	43.81	55.767		
5,700.00	4,287.21	3,751.77	3,632.43	62.14	19.71	-130.69	-1,414.18	464.79	2,527.72	2,483.51	44.20	57.185		
5,800.00	4,348.99	3,803.50	3,682.49	63.60	20.00	-132.10	-1,403.82	472.65	2,612.35	2,567.88	44.46	58.753		
5,900.00	4,410.77	3,843.47	3,721.22	65.05	20.22	-133.14	-1,395.95	478.69	2,697.29	2,652.67	44.63	60.438		
6,000.00	4,472.54	3,873.49	3,750.26	66.51	20.38	-133.90	-1,389.91	483.21	2,782.77	2,738.06	44.71	62.238		
6,100.00	4,534.32	3,902.85	3,778.64	67.96	20.55	-134.62	-1,383.85	487.65	2,868.77	2,823.97	44.80	64.037		
6,200.00	4,596.09	3,920.00	3,795.21	69.42	20.64	-135.04	-1,380.23	490.24	2,955.29	2,910.52	44.78	65.997		
6,300.00	4,657.87	3,959.08	3,832.91	70.88	20.86	-135.96	-1,371.90	496.25	3,042.22	2,997.24	44.98	67.631		
6,400.00	4,719.64	3,986.37	3,859.21	72.33	21.02	-136.59	-1,366.01	500.55	3,129.61	3,084.53	45.08	69.418		
6,500.00	4,781.42	4,014.00	3,885.82	73.79	21.18	-137.20	-1,360.00	505.00	3,217.42	3,172.22	45.20	71.184		
6,600.00	4,843.20	4,042.38	3,913.11	75.25	21.34	-137.82	-1,353.78	509.65	3,305.58	3,260.25	45.33	72.921		
6,700.00	4,904.97	4,071.23	3,940.84	76.71	21.51	-138.43	-1,347.41	514.43	3,394.08	3,348.60	45.48	74.631		
6,800.00	4,966.75	4,107.00	3,975.19	78.16	21.72	-139.16	-1,339.44	520.44	3,482.90	3,437.20	45.70	76.208		
6,900.00	5,028.52	4,161.19	4,027.25	79.62	22.04	-140.23	-1,327.41	529.44	3,571.86	3,525.74	46.12	77.452		
7,000.00	5,090.30	4,216.68	4,080.67	81.08	22.36	-141.27	-1,315.29	538.31	3,660.69	3,614.14	46.55	78.639		
7,100.00	5,152.08	4,250.02	4,112.77	82.54	22.55	-141.87	-1,308.04	543.66	3,749.68	3,702.90	46.77	80.165		
7,200.00	5,213.85	4,283.21	4,144.72	83.99	22.74	-142.45	-1,300.83	549.06	3,838.87	3,791.86	47.01	81.669		
7,300.00	5,275.63	4,320.86	4,180.95	85.45	22.96	-143.08	-1,292.72	555.30	3,928.24	3,880.96	47.29	83.070		
7,400.00	5,337.40	4,361.39	4,219.96	86.91	23.19	-143.74	-1,284.18	562.24	4,017.74	3,970.13	47.61	84.387		
7,500.00	5,399.18	4,389.00	4,246.54	88.37	23.35	-144.16	-1,278.50	567.09	4,107.35	4,059.54	47.81	85.905		
7,600.00	5,460.95	4,426.06	4,282.20	89.83	23.57	-144.71	-1,270.87	573.70	4,197.12	4,149.00	48.12	87.226		
7,700.00	5,522.73	4,453.60	4,308.67	91.29	23.73	-145.11	-1,265.12	578.63	4,287.10	4,238.77	48.33	88.705		
7,800.00	5,584.51	4,482.00	4,335.96	92.75	23.90	-145.52	-1,259.11	583.74	4,377.28	4,328.72	48.56	90.149		
7,900.00	5,646.28	4,525.72	4,377.95	94.20	24.15	-146.12	-1,249.84	591.62	4,467.57	4,418.63	48.94	91.280		
8,000.00	5,708.06	4,571.97	4,422.40	95.66	24.42	-146.73	-1,240.14	599.96	4,557.88	4,508.52	49.36	92.334		
8,100.00	5,769.83	4,597.18	4,446.62	97.12	24.57	-147.06	-1,234.89	604.55	4,648.29	4,598.71	49.57	93.766		
8,200.00	5,831.61	4,620.10	4,468.62	98.58	24.71	-147.34	-1,230.10	608.83	4,738.89	4,689.12	49.77	95.224		
8,300.00	5,893.39	4,642.73	4,490.32	100.04	24.84	-147.62	-1,225.36	613.16	4,829.68	4,779.72	49.96	96.671		
8,400.00	5,955.16	4,670.00	4,516.45	101.50	25.00	-147.94	-1,219.64	618.50	4,920.67	4,870.46	50.21	98.006		
8,500.00	6,016.94	4,782.03	4,624.04	102.96	25.66	-149.19	-1,196.93	639.88	5,011.24	4,959.90	51.34	97.609		
8,600.00	6,078.71	4,805.24	4,646.36	104.42	25.80	-149.44	-1,192.26	644.22	5,101.85	5,050.30	51.55	98.963		
8,700.00	6,140.49	6,334.40	6,152.46	105.88	31.83	-160.24	-1,035.25	763.02	5,178.77	5,113.98	64.79	79.932		
8,800.00	6,202.26	6,394.97	6,213.03	107.34	31.97	-160.52	-1,035.38	762.41	5,255.04	5,189.73	65.31	80.458		
8,900.00	6,264.04	6,454.40	6,272.45	108.80	32.11	-160.79	-1,035.51	761.88	5,331.41	5,265.58	65.83	80.984		
9,000.00	6,325.82	6,517.43	6,335.49	110.26	32.25	-161.06	-1,035.67	761.36	5,407.84	5,341.46	66.38	81.467		
9,100.00	6,387.59	6,580.06	6,398.11	111.72	32.40	-161.32	-1,035.84	760.84	5,484.31	5,417.39	66.93	81.944		
9,200.00	6,449.37	6,644.49	6,462.54	113.18	32.54	-161.59	-1,036.02	760.30	5,560.84	5,493.35	67.49	82.394		
9,300.00	6,511.14	6,732.12	6,550.16	114.64	32.75	-161.94	-1,036.39	759.36	5,637.24	5,569.02	68.22	82.631		
9,400.00	6,572.92	6,798.78	6,616.82	116.10	32.90	-162.20	-1,036.74	758.45	5,713.54	5,644.73	68.80	83.040		
9,500.00	6,634.70	6,869.37	6,687.40	117.56	33.06	-162.47	-1,037.13	757.40	5,789.81	5,720.40	69.42	83.406		
9,600.00	6,696.47	6,938.83	6,756.85	119.02	33.23	-162.72	-1,037.61	756.31	5,866.03	5,796.01	70.02	83.772		
9,700.00	6,758.22	7,001.27	6,819.27	120.48	33.37	-164.89	-1,038.05	755.31	5,942.31	5,871.73	70.58	84.189		
9,800.00	6,817.23	7,074.39	6,892.39	122.00	33.54	176.44	-1,038.66	754.16	6,021.77	5,950.54	71.23	84.541		
9,900.00	6,870.40	7,135.69	6,953.68	123.58	33.68	156.65	-1,039.35	753.22	6,104.63	6,032.85	71.78	85.048		
10,000.00	6,916.13	7,183.03	7,001.00	125.16	33.79	137.26	-1,039.90	752.49	6,188.56	6,116.37	72.20	85.718		
10,100.00	6,953.01	7,219.00	7,036.97	126.69	33.88	120.33	-1,040.30	751.94	6,271.23	6,198.73	72.50	86.505		
10,200.00	6,979.94	7,244.28	7,062.24	128.11	33.94	107.04	-1,040.58	751.56	6,350.40	6,277.71	72.69	87.362		
10,300.00	6,996.09	7,259.96	7,077.93	129.37	33.97	97.40	-1,040.74	751.33	6,423.95	6,351.14	72.81	88.226		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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							
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	7,001.00	7,265.64	7,083.60	130.45	33.99	91.26	-1,040.80	751.24	6,489.99	6,417.10	72.89	89.040	
10,500.00	7,001.00	7,266.94	7,084.90	131.44	33.99	91.28	-1,040.82	751.22	6,552.85	6,479.86	72.99	89.783	
10,600.00	7,001.00	7,268.24	7,086.20	132.48	33.99	91.29	-1,040.83	751.20	6,616.62	6,543.50	73.12	90.492	
10,700.00	7,001.00	7,269.53	7,087.49	133.54	34.00	91.30	-1,040.84	751.18	6,681.28	6,608.00	73.28	91.169	
10,800.00	7,001.00	7,270.83	7,088.79	134.64	34.00	91.32	-1,040.85	751.17	6,746.80	6,673.32	73.48	91.816	
10,900.00	7,001.00	7,272.12	7,090.08	135.77	34.00	91.33	-1,040.87	751.15	6,813.16	6,739.45	73.71	92.434	
11,000.00	7,001.00	7,273.41	7,091.37	136.94	34.01	91.35	-1,040.88	751.13	6,880.33	6,806.37	73.96	93.025	
11,100.00	7,001.00	7,274.69	7,092.65	138.14	34.01	91.36	-1,040.89	751.11	6,948.29	6,874.05	74.24	93.593	
11,200.00	7,001.00	7,275.98	7,093.94	139.38	34.01	91.38	-1,040.91	751.09	7,017.02	6,942.48	74.54	94.138	
11,300.00	7,001.00	7,277.26	7,095.22	140.65	34.02	91.39	-1,040.92	751.07	7,086.49	7,011.63	74.86	94.663	
11,400.00	7,001.00	7,278.54	7,096.50	141.95	34.02	91.41	-1,040.93	751.05	7,156.69	7,081.49	75.20	95.170	
11,500.00	7,001.00	7,279.82	7,097.78	143.29	34.02	91.42	-1,040.94	751.03	7,227.59	7,152.03	75.55	95.660	
11,600.00	7,001.00	7,281.10	7,099.06	144.66	34.02	91.44	-1,040.96	751.01	7,299.16	7,223.24	75.93	96.136	
11,700.00	7,001.00	7,282.38	7,100.34	146.06	34.03	91.45	-1,040.97	751.00	7,371.40	7,295.10	76.31	96.599	
11,800.00	7,001.00	7,283.65	7,101.61	147.50	34.03	91.46	-1,040.98	750.98	7,444.29	7,367.58	76.70	97.051	
11,900.00	7,001.00	7,284.92	7,102.88	148.97	34.03	91.48	-1,040.99	750.96	7,517.79	7,440.68	77.11	97.494	
12,000.00	7,001.00	7,286.19	7,104.15	150.47	34.04	91.49	-1,041.01	750.94	7,591.90	7,514.38	77.53	97.928	
12,100.00	7,001.00	7,293.00	7,110.96	152.00	34.05	91.57	-1,041.07	750.84	7,666.60	7,588.61	77.99	98.304	
12,200.00	7,001.00	7,293.00	7,110.96	153.57	34.05	91.57	-1,041.07	750.84	7,741.87	7,663.46	78.41	98.737	
12,300.00	7,001.00	7,293.00	7,110.96	155.16	34.05	91.57	-1,041.07	750.84	7,817.69	7,738.86	78.83	99.166	
12,400.00	7,001.00	7,293.00	7,110.96	156.79	34.05	91.57	-1,041.07	750.84	7,894.05	7,814.79	79.27	99.590	
12,500.00	7,001.00	7,293.00	7,110.96	158.44	34.05	91.57	-1,041.07	750.84	7,970.94	7,891.24	79.70	100.012	
12,600.00	7,001.00	7,293.00	7,110.96	160.13	34.05	91.57	-1,041.07	750.84	8,048.33	7,968.19	80.14	100.432	
12,700.00	7,001.00	7,293.00	7,110.96	161.84	34.05	91.57	-1,041.07	750.84	8,126.21	8,045.64	80.58	100.850	
12,800.00	7,001.00	7,293.00	7,110.96	163.58	34.05	91.57	-1,041.07	750.84	8,204.58	8,123.56	81.02	101.267	
12,900.00	7,001.00	7,293.00	7,110.96	165.35	34.05	91.57	-1,041.07	750.84	8,283.41	8,201.95	81.46	101.685	
13,000.00	7,001.00	7,293.00	7,110.96	167.14	34.05	91.57	-1,041.07	750.84	8,362.69	8,280.79	81.90	102.103	
13,100.00	7,001.00	7,293.00	7,110.96	168.97	34.05	91.57	-1,041.07	750.84	8,442.42	8,360.07	82.35	102.522	
13,200.00	7,001.00	7,293.00	7,110.96	170.81	34.05	91.57	-1,041.07	750.84	8,522.57	8,439.78	82.79	102.943	
13,300.00	7,001.00	7,293.00	7,110.96	172.68	34.05	91.57	-1,041.07	750.84	8,603.13	8,519.90	83.23	103.365	
13,400.00	7,001.00	7,293.00	7,110.96	174.58	34.05	91.57	-1,041.07	750.84	8,684.10	8,600.43	83.67	103.789	
13,500.00	7,001.00	7,293.00	7,110.96	176.50	34.05	91.57	-1,041.07	750.84	8,765.47	8,681.36	84.11	104.216	
13,600.00	7,001.00	7,293.00	7,110.96	178.44	34.05	91.57	-1,041.07	750.84	8,847.21	8,762.67	84.54	104.646	
13,700.00	7,001.00	7,293.00	7,110.96	180.41	34.05	91.57	-1,041.07	750.84	8,929.33	8,844.35	84.98	105.078	
13,800.00	7,001.00	7,293.00	7,110.96	182.39	34.05	91.57	-1,041.07	750.84	9,011.81	8,926.40	85.41	105.513	
13,900.00	7,001.00	7,293.00	7,110.96	184.40	34.05	91.57	-1,041.07	750.84	9,094.64	9,008.80	85.84	105.952	
14,000.00	7,001.00	7,293.00	7,110.96	186.43	34.05	91.57	-1,041.07	750.84	9,177.81	9,091.55	86.26	106.394	
14,100.00	7,001.00	7,293.00	7,110.96	188.48	34.05	91.57	-1,041.07	750.84	9,261.32	9,174.63	86.68	106.839	
14,200.00	7,001.00	7,293.00	7,110.96	190.54	34.05	91.57	-1,041.07	750.84	9,345.15	9,258.04	87.10	107.288	
14,300.00	7,001.00	7,293.00	7,110.96	192.63	34.05	91.57	-1,041.07	750.84	9,429.29	9,341.77	87.52	107.741	
14,400.00	7,001.00	7,293.00	7,110.96	194.73	34.05	91.57	-1,041.07	750.84	9,513.74	9,425.81	87.93	108.197	
14,500.00	7,001.00	7,293.00	7,110.96	196.85	34.05	91.57	-1,041.07	750.84	9,598.49	9,510.15	88.34	108.657	
14,600.00	7,001.00	7,293.00	7,110.96	198.99	34.05	91.57	-1,041.07	750.84	9,683.53	9,594.79	88.74	109.121	
14,700.00	7,001.00	7,293.00	7,110.96	201.14	34.05	91.57	-1,041.07	750.84	9,768.86	9,679.71	89.14	109.588	
14,800.00	7,001.00	7,293.00	7,110.96	203.31	34.05	91.57	-1,041.07	750.84	9,854.46	9,764.92	89.54	110.060	
14,900.00	7,001.00	7,293.00	7,110.96	205.50	34.05	91.57	-1,041.07	750.84	9,940.33	9,850.40	89.93	110.535	
15,000.00	7,001.00	7,293.00	7,110.96	207.70	34.05	91.57	-1,041.07	750.84	10,026.46	9,936.14	90.32	111.013	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	58.61	58.61	0.27	0.11	-177.41	-1,708.75	-77.18	1,710.52	1,710.14	0.38	4,470.197		
200.00	200.00	140.38	140.37	0.63	0.41	-177.38	-1,709.56	-78.18	1,711.57	1,710.54	1.04	1,652.784		
300.00	300.00	234.51	234.42	0.99	0.75	-177.27	-1,711.27	-81.69	1,713.54	1,711.81	1.73	987.933		
400.00	399.98	350.87	350.71	1.33	1.17	-22.55	-1,712.90	-84.77	1,713.47	1,710.97	2.49	686.910		
500.00	499.84	491.52	491.16	1.67	1.65	-22.90	-1,713.21	-78.30	1,708.72	1,705.42	3.31	516.418		
600.00	599.45	604.49	603.14	2.03	2.05	-23.60	-1,711.23	-63.70	1,698.38	1,694.32	4.06	417.825		
700.00	698.70	1,188.56	1,161.20	2.41	4.96	-29.44	-1,614.99	61.10	1,666.53	1,659.47	7.06	235.941		
800.00	797.47	1,257.42	1,226.48	2.81	5.32	-30.48	-1,594.71	69.41	1,624.65	1,616.93	7.72	210.540		
900.00	895.62	1,321.10	1,286.93	3.25	5.67	-31.62	-1,576.78	78.27	1,581.54	1,573.15	8.38	188.682		
1,000.00	993.06	1,479.35	1,435.80	3.72	6.63	-34.30	-1,530.74	105.75	1,535.99	1,526.50	9.49	161.876		
1,100.00	1,089.64	1,637.16	1,581.96	4.23	7.64	-37.39	-1,475.63	127.84	1,482.31	1,471.75	10.56	140.406		
1,200.00	1,185.27	1,724.62	1,662.95	4.78	8.19	-39.60	-1,443.43	135.10	1,425.35	1,414.00	11.34	125.640		
1,300.00	1,279.82	1,793.94	1,727.44	5.38	8.60	-41.68	-1,418.23	138.10	1,366.72	1,354.63	12.09	113.071		
1,400.00	1,373.17	1,871.64	1,799.99	6.03	9.04	-44.10	-1,390.41	139.32	1,306.66	1,293.79	12.87	101.550		
1,500.00	1,465.21	1,941.44	1,865.20	6.72	9.44	-46.66	-1,365.54	139.58	1,245.18	1,231.51	13.67	91.079		
1,600.00	1,555.84	2,005.39	1,925.11	7.47	9.81	-49.39	-1,343.18	139.05	1,182.89	1,168.37	14.52	81.474		
1,700.00	1,644.94	2,063.21	1,979.49	8.27	10.13	-52.24	-1,323.55	138.17	1,120.37	1,104.94	15.43	72.623		
1,800.00	1,732.39	2,120.00	2,033.13	9.12	10.44	-55.35	-1,304.93	136.99	1,058.04	1,041.62	16.42	64.439		
1,900.00	1,818.11	2,178.89	2,088.97	10.02	10.76	-58.84	-1,286.32	135.24	996.25	978.74	17.51	56.896		
2,000.00	1,901.97	2,235.94	2,143.26	10.98	11.07	-62.58	-1,268.89	133.29	935.47	916.75	18.72	49.965		
2,100.00	1,983.88	2,291.28	2,196.08	11.98	11.36	-66.56	-1,252.50	131.37	876.37	856.28	20.08	43.637		
2,200.00	2,063.74	2,345.01	2,247.53	13.04	11.64	-70.75	-1,237.15	129.45	819.82	798.21	21.61	37.931		
2,300.00	2,141.45	2,400.00	2,300.35	14.14	11.92	-75.26	-1,221.95	127.45	766.82	743.49	23.33	32.875		
2,400.00	2,216.92	2,455.83	2,354.04	15.30	12.21	-80.05	-1,206.78	125.37	718.46	693.24	25.22	28.488		
2,500.00	2,290.05	2,509.18	2,405.39	16.50	12.48	-84.82	-1,192.46	123.37	676.36	649.09	27.27	24.800		
2,600.00	2,360.76	2,560.00	2,454.35	17.76	12.74	-89.44	-1,178.97	121.48	642.47	613.06	29.41	21.847		
2,700.00	2,428.95	2,606.43	2,499.13	19.05	12.98	-93.67	-1,166.81	119.82	618.92	587.43	31.49	19.653		
2,800.00	2,494.55	2,651.15	2,542.30	20.39	13.21	-97.61	-1,155.25	118.37	607.66	574.32	33.34	18.226		
2,833.98	2,516.25	2,666.20	2,556.83	20.86	13.29	-98.90	-1,151.33	117.91	606.87	572.98	33.89	17.908 CC, ES		
2,900.00	2,557.49	2,694.04	2,583.67	21.78	13.43	-101.23	-1,143.99	117.10	609.93	575.15	34.78	17.536		
3,000.00	2,619.27	2,734.38	2,622.50	23.18	13.64	-104.68	-1,133.11	116.04	625.79	590.08	35.71	17.524 SF		
3,100.00	2,681.04	2,773.85	2,660.43	24.60	13.86	-108.03	-1,122.26	115.09	654.19	618.04	36.14	18.100		
3,200.00	2,742.82	2,813.08	2,698.12	26.02	14.07	-111.29	-1,111.36	114.22	693.63	657.44	36.18	19.170		
3,300.00	2,804.59	2,852.86	2,736.30	27.44	14.29	-114.53	-1,100.27	113.39	742.37	706.41	35.96	20.642		
3,400.00	2,866.37	2,894.46	2,776.28	28.87	14.51	-117.79	-1,088.79	112.52	798.63	763.02	35.62	22.423		
3,500.00	2,928.15	2,935.79	2,816.03	30.30	14.74	-120.91	-1,077.53	111.65	860.89	825.67	35.22	24.445		
3,600.00	2,989.92	2,976.01	2,854.77	31.73	14.96	-123.81	-1,066.71	110.88	927.97	893.15	34.82	26.650		
3,700.00	3,051.70	3,016.47	2,893.77	33.17	15.17	-126.58	-1,055.96	110.23	998.90	964.44	34.46	28.985		
3,800.00	3,113.47	3,057.08	2,932.92	34.61	15.39	-129.22	-1,045.20	109.62	1,072.91	1,038.75	34.16	31.410		
3,900.00	3,175.25	3,096.94	2,971.34	36.05	15.61	-131.67	-1,034.58	109.02	1,149.41	1,115.51	33.90	33.903		
4,000.00	3,237.03	3,134.18	3,007.20	37.49	15.81	-133.85	-1,024.58	108.47	1,227.99	1,194.30	33.69	36.454		
4,100.00	3,298.80	3,168.41	3,040.15	38.93	16.00	-135.76	-1,015.31	108.11	1,308.40	1,274.90	33.50	39.057		
4,200.00	3,360.58	3,203.28	3,073.70	40.37	16.19	-137.59	-1,005.80	107.90	1,390.36	1,356.99	33.37	41.667		
4,300.00	3,422.35	3,259.17	3,127.54	41.82	16.50	-140.34	-990.81	107.57	1,473.32	1,439.87	33.45	44.042		
4,400.00	3,484.13	3,311.82	3,178.41	43.27	16.78	-142.71	-977.22	107.02	1,556.77	1,523.21	33.56	46.388		
4,500.00	3,545.90	3,349.74	3,215.06	44.72	16.99	-144.29	-967.52	106.62	1,640.94	1,607.36	33.58	48.859		
4,600.00	3,607.68	3,385.43	3,249.54	46.16	17.18	-145.71	-958.29	106.32	1,725.93	1,692.31	33.62	51.330		
4,700.00	3,669.46	3,422.89	3,285.70	47.61	17.38	-147.12	-948.51	106.06	1,811.63	1,777.92	33.71	53.746		
4,800.00	3,731.23	3,461.44	3,322.88	49.06	17.59	-148.49	-938.34	105.76	1,897.89	1,864.07	33.83	56.107		
4,900.00	3,793.01	3,501.60	3,361.58	50.52	17.82	-149.85	-927.64	105.39	1,984.64	1,950.66	33.98	58.402		
5,000.00	3,854.78	3,544.09	3,402.53	51.97	18.05	-151.20	-916.30	104.94	2,071.76	2,037.58	34.18	60.610		
5,100.00	3,916.56	3,587.66	3,444.52	53.42	18.29	-152.50	-904.68	104.43	2,159.18	2,124.77	34.41	62.746		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	3,978.34	3,632.68	3,487.95	54.87	18.54	-153.76	-892.81	103.97	2,246.84	2,212.17	34.67	64.798		
5,300.00	4,040.11	3,677.61	3,531.33	56.32	18.78	-154.93	-881.16	103.66	2,334.69	2,299.74	34.96	66.788		
5,400.00	4,101.89	3,718.02	3,570.41	57.78	19.00	-155.91	-870.84	103.57	2,422.75	2,387.54	35.21	68.802		
5,500.00	4,163.66	3,758.26	3,609.34	59.23	19.22	-156.82	-860.68	103.69	2,511.04	2,475.56	35.48	70.765		
5,600.00	4,225.44	3,790.52	3,640.56	60.69	19.39	-157.51	-852.56	103.93	2,599.59	2,563.90	35.69	72.836		
5,700.00	4,287.21	3,820.79	3,669.83	62.14	19.55	-158.13	-844.86	104.26	2,688.46	2,652.57	35.89	74.910		
5,800.00	4,348.99	3,848.36	3,696.48	63.60	19.71	-158.67	-837.77	104.63	2,777.66	2,741.59	36.07	77.006		
5,900.00	4,410.77	3,880.00	3,726.99	65.05	19.88	-159.28	-829.42	105.13	2,867.23	2,830.93	36.30	78.986		
6,000.00	4,472.54	3,892.38	3,738.91	66.51	19.95	-159.51	-826.07	105.33	2,957.12	2,920.78	36.35	81.359		
6,100.00	4,534.32	3,920.00	3,765.42	67.96	20.11	-160.01	-818.36	105.79	3,047.46	3,010.91	36.55	83.375		
6,200.00	4,596.09	3,920.00	3,765.42	69.42	20.11	-160.01	-818.36	105.79	3,138.12	3,101.63	36.48	86.013		
6,300.00	4,657.87	3,946.19	3,790.48	70.88	20.27	-160.48	-810.76	106.24	3,229.10	3,192.41	36.69	88.015		
6,400.00	4,719.64	3,960.00	3,803.66	72.33	20.35	-160.73	-806.64	106.47	3,320.43	3,283.66	36.77	90.299		
6,500.00	4,781.42	3,990.28	3,832.50	73.79	20.53	-161.26	-797.44	106.97	3,411.99	3,374.97	37.03	92.145		
6,600.00	4,843.20	4,014.95	3,855.96	75.25	20.68	-161.67	-789.82	107.34	3,503.76	3,466.53	37.23	94.101		
6,700.00	4,904.97	4,040.00	3,879.75	76.71	20.84	-162.09	-781.97	107.68	3,595.73	3,558.28	37.45	96.017		
6,800.00	4,966.75	4,065.23	3,903.68	78.16	20.99	-162.50	-773.96	107.99	3,687.86	3,650.19	37.67	97.896		
6,900.00	5,028.52	4,091.32	3,928.38	79.62	21.16	-162.91	-765.58	108.26	3,780.16	3,742.25	37.91	99.722		
7,000.00	5,090.30	4,120.00	3,955.50	81.08	21.34	-163.36	-756.25	108.49	3,872.59	3,834.42	38.17	101.446		
7,100.00	5,152.08	4,156.51	3,989.99	82.54	21.57	-163.91	-744.29	108.68	3,965.12	3,926.59	38.53	102.921		
7,200.00	5,213.85	4,309.70	4,135.37	83.99	22.51	-165.99	-696.00	108.22	4,057.13	4,017.06	40.07	101.244		
7,300.00	5,275.63	4,360.00	4,183.42	85.45	22.81	-166.58	-681.13	108.05	4,148.52	4,107.94	40.58	102.241		
7,400.00	5,337.40	4,393.58	4,215.53	86.91	23.01	-166.96	-671.32	108.19	4,239.99	4,199.08	40.91	103.633		
7,500.00	5,399.18	4,428.59	4,249.02	88.37	23.22	-167.33	-661.14	108.54	4,331.57	4,290.30	41.27	104.956		
7,600.00	5,460.95	4,476.80	4,295.17	89.83	23.50	-167.81	-647.19	109.09	4,423.16	4,381.39	41.77	105.900		
7,700.00	5,522.73	4,527.73	4,343.95	91.29	23.80	-168.30	-632.54	109.53	4,514.67	4,472.37	42.30	106.742		
7,800.00	5,584.51	4,572.55	4,386.89	92.75	24.06	-168.71	-619.69	109.81	4,606.13	4,563.37	42.76	107.712		
7,900.00	5,646.28	4,612.56	4,425.22	94.20	24.30	-169.07	-608.24	110.00	4,697.58	4,654.40	43.19	108.778		
8,000.00	5,708.06	4,640.00	4,451.49	95.66	24.46	-169.31	-600.32	110.04	4,789.10	4,745.62	43.48	110.144		
8,100.00	5,769.83	4,673.23	4,483.27	97.12	24.65	-169.60	-590.58	109.95	4,880.71	4,836.87	43.84	111.334		
8,200.00	5,831.61	5,974.30	5,761.24	98.58	30.18	-175.57	-380.76	79.89	4,964.64	4,908.51	56.14	88.439		
8,300.00	5,893.39	6,027.74	5,814.68	100.04	30.32	-175.63	-380.21	79.87	5,043.74	4,987.07	56.67	88.997		
8,400.00	5,955.16	6,108.22	5,895.16	101.50	30.51	-175.72	-379.58	79.99	5,122.76	5,065.33	57.43	89.197		
8,500.00	6,016.94	6,183.34	5,970.27	102.96	30.70	-175.81	-379.12	79.76	5,201.57	5,143.42	58.15	89.457		
8,600.00	6,078.71	6,269.20	6,056.13	104.42	30.91	-175.90	-378.80	79.30	5,280.18	5,221.23	58.94	89.581		
8,700.00	6,140.49	6,339.21	6,126.14	105.88	31.07	-175.98	-378.78	78.83	5,358.55	5,298.94	59.61	89.895		
8,800.00	6,202.26	6,403.38	6,190.31	107.34	31.22	-176.05	-378.78	78.37	5,436.91	5,376.68	60.23	90.270		
8,900.00	6,264.04	6,486.13	6,273.05	108.80	31.42	-176.13	-378.95	77.65	5,515.11	5,454.12	61.00	90.416		
9,000.00	6,325.82	6,540.90	6,327.83	110.26	31.55	-176.18	-379.08	77.11	5,593.26	5,531.72	61.54	90.882		
9,100.00	6,387.59	6,593.76	6,380.68	111.72	31.68	-176.24	-379.11	76.57	5,671.50	5,609.43	62.08	91.362		
9,200.00	6,449.37	6,646.09	6,433.00	113.18	31.81	-176.29	-379.04	76.03	5,749.86	5,687.25	62.61	91.837		
9,300.00	6,511.14	6,700.19	6,487.10	114.64	31.94	-176.34	-378.89	75.51	5,828.31	5,765.15	63.16	92.282		
9,400.00	6,572.92	6,756.45	6,543.36	116.10	32.08	-176.39	-378.72	75.07	5,906.83	5,843.10	63.73	92.692		
9,500.00	6,634.70	6,807.49	6,594.40	117.56	32.21	-176.44	-378.56	74.83	5,985.43	5,921.18	64.25	93.155		
9,600.00	6,696.47	6,858.88	6,645.79	119.02	32.34	-176.48	-378.41	74.81	6,064.16	5,999.37	64.79	93.604		
9,700.00	6,758.22	6,917.94	6,704.86	120.48	32.49	-176.69	-378.24	74.91	6,142.97	6,077.59	65.38	93.952		
9,800.00	6,817.23	6,980.69	6,767.60	122.00	32.66	161.35	-378.06	75.01	6,223.43	6,157.40	66.02	94.259		
9,900.00	6,870.40	7,043.72	6,830.63	123.58	32.82	142.17	-377.93	75.03	6,304.79	6,238.12	66.67	94.568		
10,000.00	6,916.13	7,085.48	6,872.39	125.16	32.93	125.30	-377.84	75.01	6,384.82	6,317.70	67.13	95.116		
10,100.00	6,953.01	7,119.14	6,906.05	126.69	33.01	111.75	-377.75	74.99	6,461.39	6,393.88	67.51	95.712		
10,200.00	6,979.94	7,142.99	6,929.90	128.11	33.08	101.55	-377.67	74.97	6,532.48	6,464.67	67.81	96.330		
10,300.00	6,996.09	7,157.27	6,944.18	129.37	33.11	94.30	-377.62	74.97	6,596.26	6,528.19	68.07	96.904		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	7,001.00	7,160.00	6,946.91	130.45	33.12	89.78	-377.61	74.97	6,651.12	6,582.83	68.29	97.397		
10,500.00	7,001.00	7,160.00	6,946.91	131.44	33.12	89.78	-377.61	74.97	6,702.37	6,633.81	68.56	97.762		
10,600.00	7,001.00	7,160.00	6,946.91	132.48	33.12	89.78	-377.61	74.97	6,754.72	6,685.84	68.88	98.072		
10,700.00	7,001.00	7,160.00	6,946.91	133.54	33.12	89.78	-377.61	74.97	6,808.13	6,738.89	69.24	98.330		
10,800.00	7,001.00	7,160.00	6,946.91	134.64	33.12	89.78	-377.61	74.97	6,862.58	6,792.94	69.64	98.543		
10,900.00	7,001.00	7,160.00	6,946.91	135.77	33.12	89.78	-377.61	74.97	6,918.05	6,847.97	70.08	98.713		
11,000.00	7,001.00	7,160.00	6,946.91	136.94	33.12	89.78	-377.61	74.97	6,974.51	6,903.95	70.56	98.847		
11,100.00	7,001.00	7,160.00	6,946.91	138.14	33.12	89.78	-377.61	74.97	7,031.94	6,960.88	71.07	98.950		
11,200.00	7,001.00	7,160.00	6,946.91	139.38	33.12	89.78	-377.61	74.97	7,090.32	7,018.72	71.60	99.025		
11,300.00	7,001.00	7,160.00	6,946.91	140.65	33.12	89.78	-377.61	74.97	7,149.62	7,077.46	72.16	99.077		
11,400.00	7,001.00	7,160.00	6,946.91	141.95	33.12	89.78	-377.61	74.97	7,209.81	7,137.07	72.74	99.111		
11,500.00	7,001.00	7,160.00	6,946.91	143.29	33.12	89.78	-377.61	74.97	7,270.89	7,197.54	73.35	99.130		
11,600.00	7,001.00	7,160.00	6,946.91	144.66	33.12	89.78	-377.61	74.97	7,332.82	7,258.85	73.97	99.137		
11,700.00	7,001.00	7,160.00	6,946.91	146.06	33.12	89.78	-377.61	74.97	7,395.58	7,320.98	74.60	99.136		
11,800.00	7,001.00	7,160.00	6,946.91	147.50	33.12	89.78	-377.61	74.97	7,459.16	7,383.91	75.25	99.129		
11,900.00	7,001.00	7,160.00	6,946.91	148.97	33.12	89.78	-377.61	74.97	7,523.53	7,447.62	75.90	99.119		
12,000.00	7,001.00	7,160.00	6,946.91	150.47	33.12	89.78	-377.61	74.97	7,588.67	7,512.10	76.57	99.109		
12,100.00	7,001.00	7,160.00	6,946.91	152.00	33.12	89.78	-377.61	74.97	7,654.56	7,577.32	77.24	99.100		
12,200.00	7,001.00	7,160.00	6,946.91	153.57	33.12	89.78	-377.61	74.97	7,721.18	7,643.26	77.92	99.094		
12,300.00	7,001.00	7,160.00	6,946.91	155.16	33.12	89.78	-377.61	74.97	7,788.52	7,709.92	78.60	99.092		
12,400.00	7,001.00	7,160.00	6,946.91	156.79	33.12	89.78	-377.61	74.97	7,856.56	7,777.27	79.28	99.097		
12,500.00	7,001.00	7,160.00	6,946.91	158.44	33.12	89.78	-377.61	74.97	7,925.27	7,845.30	79.97	99.108		
12,600.00	7,001.00	7,160.00	6,946.91	160.13	33.12	89.78	-377.61	74.97	7,994.64	7,913.99	80.65	99.128		
12,700.00	7,001.00	7,160.00	6,946.91	161.84	33.12	89.78	-377.61	74.97	8,064.66	7,983.32	81.33	99.156		
12,800.00	7,001.00	7,160.00	6,946.91	163.58	33.12	89.78	-377.61	74.97	8,135.30	8,053.28	82.01	99.193		
12,900.00	7,001.00	7,160.00	6,946.91	165.35	33.12	89.78	-377.61	74.97	8,206.55	8,123.86	82.69	99.241		
13,000.00	7,001.00	7,160.00	6,946.91	167.14	33.12	89.78	-377.61	74.97	8,278.40	8,195.03	83.37	99.299		
13,100.00	7,001.00	7,160.00	6,946.91	168.97	33.12	89.78	-377.61	74.97	8,350.83	8,266.79	84.04	99.367		
13,200.00	7,001.00	7,160.00	6,946.91	170.81	33.12	89.78	-377.61	74.97	8,423.82	8,339.11	84.71	99.447		
13,300.00	7,001.00	7,160.00	6,946.91	172.68	33.12	89.78	-377.61	74.97	8,497.36	8,411.99	85.37	99.537		
13,400.00	7,001.00	7,160.00	6,946.91	174.58	33.12	89.78	-377.61	74.97	8,571.44	8,485.41	86.02	99.639		
13,500.00	7,001.00	7,160.00	6,946.91	176.50	33.12	89.78	-377.61	74.97	8,646.04	8,559.36	86.68	99.752		
13,600.00	7,001.00	7,160.00	6,946.91	178.44	33.12	89.78	-377.61	74.97	8,721.14	8,633.82	87.32	99.876		
13,700.00	7,001.00	7,160.00	6,946.91	180.41	33.12	89.78	-377.61	74.97	8,796.75	8,708.79	87.96	100.012		
13,800.00	7,001.00	7,160.00	6,946.91	182.39	33.12	89.78	-377.61	74.97	8,872.83	8,784.24	88.59	100.158		
13,900.00	7,001.00	7,160.00	6,946.91	184.40	33.12	89.78	-377.61	74.97	8,949.39	8,860.18	89.21	100.316		
14,000.00	7,001.00	7,160.00	6,946.91	186.43	33.12	89.78	-377.61	74.97	9,026.40	8,936.57	89.83	100.484		
14,100.00	7,001.00	7,160.00	6,946.91	188.48	33.12	89.78	-377.61	74.97	9,103.86	9,013.43	90.44	100.663		
14,200.00	7,001.00	7,160.00	6,946.91	190.54	33.12	89.78	-377.61	74.97	9,181.76	9,090.72	91.04	100.853		
14,300.00	7,001.00	7,160.00	6,946.91	192.63	33.12	89.78	-377.61	74.97	9,260.08	9,168.45	91.64	101.053		
14,400.00	7,001.00	7,160.00	6,946.91	194.73	33.12	89.78	-377.61	74.97	9,338.82	9,246.60	92.22	101.263		
14,500.00	7,001.00	7,160.00	6,946.91	196.85	33.12	89.78	-377.61	74.97	9,417.96	9,325.16	92.80	101.483		
14,600.00	7,001.00	7,160.00	6,946.91	198.99	33.12	89.78	-377.61	74.97	9,497.49	9,404.12	93.37	101.713		
14,700.00	7,001.00	7,160.00	6,946.91	201.14	33.12	89.78	-377.61	74.97	9,577.41	9,483.47	93.94	101.953		
14,800.00	7,001.00	7,160.00	6,946.91	203.31	33.12	89.78	-377.61	74.97	9,657.70	9,563.20	94.50	102.202		
14,900.00	7,001.00	7,160.00	6,946.91	205.50	33.12	89.78	-377.61	74.97	9,738.36	9,643.31	95.05	102.460		
15,000.00	7,001.00	7,160.00	6,946.91	207.70	33.12	89.78	-377.61	74.97	9,819.37	9,723.78	95.59	102.727		
15,100.00	7,001.00	7,160.00	6,946.91	209.91	33.12	89.78	-377.61	74.97	9,900.73	9,804.61	96.12	103.003		
15,200.00	7,001.00	7,160.00	6,946.91	212.14	33.12	89.78	-377.61	74.97	9,982.42	9,885.78	96.65	103.287		
15,300.00	7,001.00	7,160.00	6,946.91	214.38	33.12	89.78	-377.61	74.97	10,064.45	9,967.29	97.17	103.579		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	66.22	66.22	0.27	0.12	-177.46	-1,734.14	-77.01	1,735.85	1,735.46	0.38	4,522.692		
200.00	200.00	163.61	163.61	0.63	0.28	-177.46	-1,734.31	-77.02	1,736.02	1,735.11	0.91	1,904.973		
300.00	300.00	260.99	260.99	0.99	0.45	-177.46	-1,734.63	-77.04	1,736.35	1,734.91	1.44	1,206.809		
400.00	399.98	358.36	358.36	1.33	0.62	-22.84	-1,735.09	-77.07	1,735.22	1,733.27	1.95	889.140		
500.00	499.84	455.95	455.95	1.67	0.82	-22.94	-1,735.71	-77.11	1,731.03	1,728.53	2.49	694.525		
600.00	599.45	555.73	555.72	2.03	1.18	-23.11	-1,736.39	-77.23	1,723.69	1,720.49	3.20	538.221		
700.00	698.70	655.56	655.55	2.41	1.54	-23.35	-1,737.06	-77.40	1,713.15	1,709.23	3.92	436.893		
800.00	797.47	760.68	760.67	2.81	1.91	-23.68	-1,737.58	-77.54	1,699.28	1,694.62	4.67	364.237		
900.00	895.62	892.75	892.70	3.25	2.37	-24.28	-1,737.10	-74.71	1,681.46	1,675.97	5.50	305.982		
1,000.00	993.06	1,058.41	1,057.92	3.72	2.94	-25.39	-1,731.03	-64.77	1,657.21	1,650.76	6.45	256.987		
1,100.00	1,089.64	1,223.09	1,221.34	4.23	3.53	-26.93	-1,718.17	-49.16	1,626.14	1,618.72	7.42	219.152		
1,200.00	1,185.27	1,394.58	1,389.83	4.78	4.22	-29.14	-1,697.07	-25.42	1,588.45	1,580.00	8.45	187.944		
1,300.00	1,279.82	1,533.08	1,524.29	5.38	4.84	-31.53	-1,673.54	-2.07	1,544.07	1,534.65	9.42	163.975		
1,400.00	1,373.17	1,629.77	1,617.22	6.03	5.31	-33.77	-1,655.10	17.22	1,496.14	1,485.85	10.29	145.426		
1,500.00	1,465.21	1,734.99	1,717.30	6.72	5.88	-36.65	-1,633.66	41.58	1,445.74	1,434.48	11.27	128.329		
1,600.00	1,555.84	1,836.64	1,813.04	7.47	6.46	-39.96	-1,610.55	66.75	1,392.35	1,380.04	12.31	113.113		
1,700.00	1,644.94	1,909.62	1,881.17	8.27	6.91	-42.95	-1,592.98	86.12	1,337.41	1,324.09	13.33	100.363		
1,800.00	1,732.39	1,970.99	1,938.26	9.12	7.30	-45.89	-1,578.14	103.07	1,282.26	1,267.88	14.38	89.139		
1,900.00	1,818.11	2,025.66	1,989.21	10.02	7.65	-48.81	-1,565.23	118.10	1,227.68	1,212.17	15.51	79.156		
2,000.00	1,901.97	2,091.54	2,050.72	10.98	8.08	-52.40	-1,549.87	135.98	1,173.98	1,157.18	16.80	69.879		
2,100.00	1,983.88	2,161.36	2,115.59	11.98	8.55	-56.47	-1,532.79	155.34	1,121.07	1,102.82	18.25	61.423		
2,200.00	2,063.74	2,222.41	2,171.89	13.04	8.97	-60.44	-1,517.03	172.93	1,069.85	1,050.03	19.82	53.987		
2,300.00	2,141.45	2,276.27	2,221.26	14.14	9.35	-64.24	-1,502.56	188.90	1,021.46	999.97	21.50	47.515		
2,400.00	2,216.92	2,324.69	2,265.58	15.30	9.71	-67.83	-1,489.32	203.20	977.09	953.80	23.29	41.960		
2,500.00	2,290.05	2,362.69	2,300.38	16.50	9.98	-70.83	-1,478.96	214.39	938.08	912.96	25.11	37.352		
2,600.00	2,360.76	2,396.67	2,331.55	17.76	10.23	-73.51	-1,469.86	224.43	905.75	878.77	26.98	33.576		
2,700.00	2,428.95	2,431.94	2,363.92	19.05	10.49	-76.17	-1,460.57	234.86	881.17	852.32	28.85	30.538		
2,800.00	2,494.55	2,469.67	2,398.55	20.39	10.76	-78.86	-1,450.53	245.98	865.23	834.54	30.69	28.189		
2,900.00	2,557.49	2,503.49	2,429.54	21.78	11.01	-81.15	-1,441.24	255.88	858.72	826.37	32.35	26.542		
2,914.00	2,566.14	2,507.87	2,433.55	21.97	11.05	-81.43	-1,440.02	257.15	858.61	826.05	32.57	26.366	CC, ES	
3,000.00	2,619.27	2,530.63	2,454.36	23.18	11.22	-82.89	-1,433.62	263.78	862.57	828.87	33.70	25.593		
3,100.00	2,681.04	2,553.55	2,475.31	24.60	11.39	-84.36	-1,427.23	270.51	877.15	842.44	34.71	25.273	SF	
3,200.00	2,742.82	2,576.68	2,496.46	26.02	11.56	-85.84	-1,420.87	277.39	901.94	866.54	35.40	25.475		
3,300.00	2,804.59	2,600.00	2,517.78	27.44	11.74	-87.32	-1,414.54	284.40	936.14	900.31	35.83	26.126		
3,400.00	2,866.37	2,622.09	2,537.96	28.87	11.90	-88.72	-1,408.58	291.14	978.77	942.75	36.02	27.172		
3,500.00	2,928.15	2,640.00	2,554.28	30.30	12.04	-89.85	-1,403.73	296.68	1,028.82	992.83	35.99	28.586		
3,600.00	2,989.92	2,663.33	2,575.50	31.73	12.22	-91.30	-1,397.36	304.02	1,085.28	1,049.36	35.91	30.218		
3,700.00	3,051.70	2,680.00	2,590.61	33.17	12.35	-92.33	-1,392.77	309.34	1,147.26	1,111.58	35.68	32.152		
3,800.00	3,113.47	2,702.11	2,610.60	34.61	12.53	-93.69	-1,386.61	316.51	1,213.91	1,178.43	35.48	34.211		
3,900.00	3,175.25	2,720.00	2,626.73	36.05	12.67	-94.78	-1,381.58	322.37	1,284.53	1,249.31	35.22	36.475		
4,000.00	3,237.03	2,742.07	2,646.60	37.49	12.85	-96.10	-1,375.32	329.66	1,358.47	1,323.47	35.01	38.805		
4,100.00	3,298.80	2,760.00	2,662.72	38.93	12.99	-97.17	-1,370.19	335.61	1,435.23	1,400.48	34.76	41.291		
4,200.00	3,360.58	2,782.43	2,682.85	40.37	13.18	-98.49	-1,363.71	343.08	1,514.39	1,479.80	34.59	43.784		
4,300.00	3,422.35	2,800.00	2,698.60	41.82	13.32	-99.50	-1,358.59	348.96	1,595.60	1,561.22	34.38	46.412		
4,400.00	3,484.13	2,822.46	2,718.71	43.27	13.51	-100.79	-1,352.01	356.49	1,678.55	1,644.30	34.26	49.000		
4,500.00	3,545.90	2,840.00	2,734.40	44.72	13.65	-101.77	-1,346.83	362.39	1,763.02	1,728.92	34.10	51.705		
4,600.00	3,607.68	2,862.23	2,754.26	46.16	13.84	-103.00	-1,340.24	369.87	1,848.78	1,814.76	34.02	54.340		
4,700.00	3,669.46	2,883.53	2,773.28	47.61	14.01	-104.16	-1,333.88	377.06	1,935.69	1,901.73	33.96	57.001		
4,800.00	3,731.23	2,954.59	2,837.04	49.06	14.60	-107.88	-1,313.02	400.48	2,023.39	1,988.88	34.52	58.623		
4,900.00	3,793.01	3,017.58	2,894.22	50.52	15.10	-110.98	-1,295.27	420.08	2,111.20	2,076.22	34.98	60.354		
5,000.00	3,854.78	3,053.99	2,927.40	51.97	15.38	-112.69	-1,285.04	431.00	2,199.55	2,164.41	35.14	62.585		
5,100.00	3,916.56	3,085.80	2,956.45	53.42	15.63	-114.14	-1,276.03	440.36	2,288.45	2,253.18	35.27	64.882		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	3,978.34	3,105.46	2,974.39	54.87	15.79	-115.01	-1,270.45	446.13	2,377.96	2,342.69	35.28	67.410		
5,300.00	4,040.11	3,120.00	2,987.64	56.32	15.90	-115.65	-1,266.30	450.44	2,468.08	2,432.84	35.24	70.038		
5,400.00	4,101.89	3,143.42	3,008.96	57.78	16.08	-116.65	-1,259.60	457.43	2,558.73	2,523.41	35.32	72.448		
5,500.00	4,163.66	3,160.00	3,024.04	59.23	16.22	-117.35	-1,254.84	462.43	2,649.87	2,614.54	35.33	74.997		
5,600.00	4,225.44	3,182.31	3,044.30	60.69	16.39	-118.26	-1,248.44	469.22	2,741.46	2,706.03	35.43	77.384		
5,700.00	4,287.21	3,200.00	3,060.35	62.14	16.53	-118.97	-1,243.36	474.65	2,833.43	2,797.95	35.48	79.859		
5,800.00	4,348.99	3,224.45	3,082.53	63.60	16.73	-119.92	-1,236.38	482.22	2,925.74	2,890.12	35.62	82.131		
5,900.00	4,410.77	3,248.80	3,104.60	65.05	16.93	-120.85	-1,229.47	489.84	3,018.36	2,982.58	35.78	84.368		
6,000.00	4,472.54	3,346.43	3,193.51	66.51	17.70	-124.30	-1,202.57	519.88	3,111.06	3,074.28	36.78	84.597		
6,100.00	4,534.32	3,414.97	3,256.50	67.96	18.23	-126.50	-1,184.77	540.18	3,203.25	3,165.80	37.45	85.543		
6,200.00	4,596.09	3,452.52	3,291.09	69.42	18.51	-127.62	-1,175.52	551.49	3,295.52	3,257.74	37.78	87.227		
6,300.00	4,657.87	3,482.62	3,318.83	70.88	18.74	-128.47	-1,168.27	560.68	3,387.95	3,349.91	38.04	89.060		
6,400.00	4,719.64	3,508.59	3,342.75	72.33	18.94	-129.19	-1,162.07	568.67	3,480.56	3,442.30	38.26	90.967		
6,500.00	4,781.42	3,536.89	3,368.80	73.79	19.16	-129.94	-1,155.35	577.45	3,573.35	3,534.83	38.52	92.772		
6,600.00	4,843.20	3,575.41	3,404.26	75.25	19.45	-130.92	-1,146.27	589.44	3,666.27	3,627.37	38.90	94.250		
6,700.00	4,904.97	3,642.98	3,466.64	76.71	19.97	-132.55	-1,130.66	610.17	3,759.11	3,719.49	39.62	94.873		
6,800.00	4,966.75	3,690.24	3,510.40	78.16	20.32	-133.61	-1,120.01	624.52	3,851.85	3,811.74	40.11	96.021		
6,900.00	5,028.52	3,755.83	3,571.24	79.62	20.81	-135.00	-1,105.72	644.40	3,944.54	3,903.72	40.83	96.618		
7,000.00	5,090.30	3,835.32	3,645.25	81.08	21.38	-136.51	-1,089.91	668.73	4,036.82	3,995.11	41.72	96.768		
7,100.00	5,152.08	3,840.00	3,649.61	82.54	21.42	-136.60	-1,089.03	670.19	4,129.24	4,087.50	41.74	98.938		
7,200.00	5,213.85	3,859.95	3,668.14	83.99	21.57	-136.95	-1,085.29	676.56	4,221.84	4,179.90	41.94	100.656		
7,300.00	5,275.63	3,880.00	3,686.67	85.45	21.72	-137.28	-1,081.51	683.22	4,314.77	4,272.61	42.16	102.347		
7,400.00	5,337.40	3,880.00	3,686.67	86.91	21.72	-137.28	-1,081.51	683.22	4,407.86	4,365.73	42.13	104.615		
7,500.00	5,399.18	3,880.00	3,686.67	88.37	21.72	-137.28	-1,081.51	683.22	4,501.25	4,459.14	42.11	106.883		
7,600.00	5,460.95	3,899.36	3,704.46	89.83	21.87	-137.60	-1,077.86	689.90	4,594.78	4,552.44	42.34	108.528		
7,700.00	5,522.73	3,920.00	3,723.34	91.29	22.03	-137.92	-1,073.94	697.30	4,688.60	4,646.01	42.58	110.106		
7,800.00	5,584.51	3,920.00	3,723.34	92.75	22.03	-137.92	-1,073.94	697.30	4,782.51	4,739.94	42.57	112.335		
7,900.00	5,646.28	3,920.00	3,723.34	94.20	22.03	-137.92	-1,073.94	697.30	4,876.67	4,834.10	42.57	114.561		
8,000.00	5,708.06	3,920.00	3,723.34	95.66	22.03	-137.92	-1,073.94	697.30	4,971.06	4,928.49	42.57	116.782		
8,100.00	5,769.83	3,939.18	3,740.77	97.12	22.19	-138.21	-1,070.22	704.38	5,065.50	5,022.69	42.81	118.320		
8,200.00	5,831.61	3,960.00	3,759.57	98.58	22.36	-138.51	-1,066.02	712.27	5,160.27	5,117.19	43.08	119.779		
8,300.00	5,893.39	3,960.00	3,759.57	100.04	22.36	-138.51	-1,066.02	712.27	5,255.05	5,211.96	43.09	121.953		
8,400.00	5,955.16	3,960.00	3,759.57	101.50	22.36	-138.51	-1,066.02	712.27	5,350.02	5,306.91	43.10	124.121		
8,500.00	6,016.94	3,960.00	3,759.57	102.96	22.36	-138.51	-1,066.02	712.27	5,445.16	5,402.05	43.12	126.281		
8,600.00	6,078.71	3,960.00	3,759.57	104.42	22.36	-138.51	-1,066.02	712.27	5,540.48	5,497.35	43.14	128.432		
8,700.00	6,140.49	3,976.00	3,773.94	105.88	22.49	-138.74	-1,062.68	718.47	5,635.86	5,592.49	43.37	129.959		
8,800.00	6,202.26	3,981.52	3,778.88	107.34	22.54	-138.82	-1,061.50	720.63	5,731.41	5,687.94	43.46	131.868		
8,900.00	6,264.04	4,000.00	3,795.35	108.80	22.70	-139.07	-1,057.45	727.98	5,827.15	5,783.42	43.73	133.258		
9,000.00	6,325.82	4,000.00	3,795.35	110.26	22.70	-139.07	-1,057.45	727.98	5,922.90	5,879.13	43.76	135.345		
9,100.00	6,387.59	4,000.00	3,795.35	111.72	22.70	-139.07	-1,057.45	727.98	6,018.78	5,974.98	43.80	137.422		
9,200.00	6,449.37	4,000.00	3,795.35	113.18	22.70	-139.07	-1,057.45	727.98	6,114.79	6,070.96	43.84	139.487		
9,300.00	6,511.14	4,000.00	3,795.35	114.64	22.70	-139.07	-1,057.45	727.98	6,210.94	6,167.05	43.88	141.540		
9,400.00	6,572.92	4,000.00	3,795.35	116.10	22.70	-139.07	-1,057.45	727.98	6,307.20	6,263.27	43.93	143.581		
9,500.00	6,634.70	4,017.60	3,810.94	117.56	22.86	-139.31	-1,053.45	735.09	6,403.45	6,359.25	44.20	144.871		
9,600.00	6,696.47	4,022.43	3,815.20	119.02	22.90	-139.38	-1,052.33	737.06	6,499.86	6,455.55	44.32	146.674		
9,700.00	6,758.22	4,040.00	3,830.67	120.48	23.06	-142.83	-1,048.13	744.26	6,596.45	6,551.86	44.59	147.925		
9,800.00	6,817.23	4,040.00	3,830.67	122.00	23.06	166.99	-1,048.13	744.26	6,694.63	6,649.97	44.66	149.888		
9,900.00	6,870.40	4,040.00	3,830.67	123.58	23.06	104.67	-1,048.13	744.26	6,793.33	6,748.60	44.73	151.875		
10,000.00	6,916.13	4,040.00	3,830.67	125.16	23.06	80.17	-1,048.13	744.26	6,889.60	6,844.83	44.77	153.888		
10,100.00	6,953.01	4,040.00	3,830.67	126.69	23.06	69.26	-1,048.13	744.26	6,980.66	6,935.87	44.78	155.880		
10,200.00	6,979.94	4,040.00	3,830.67	128.11	23.06	63.26	-1,048.13	744.26	7,064.00	7,019.22	44.78	157.753		
10,300.00	6,996.09	4,020.41	3,813.42	129.37	22.88	59.65	-1,052.80	736.24	7,137.26	7,092.71	44.55	160.196		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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							
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	7,001.00	4,000.00	3,795.35	130.45	22.70	57.87	-1,057.45	727.98	7,198.82	7,154.45	44.37	162.237	
10,500.00	7,001.00	4,000.00	3,795.35	131.44	22.70	57.87	-1,057.45	727.98	7,255.22	7,210.70	44.52	162.972	
10,600.00	7,001.00	4,000.00	3,795.35	132.48	22.70	57.87	-1,057.45	727.98	7,312.55	7,267.84	44.72	163.535	
10,700.00	7,001.00	4,000.00	3,795.35	133.54	22.70	57.87	-1,057.45	727.98	7,370.79	7,325.83	44.96	163.938	
10,800.00	7,001.00	4,000.00	3,795.35	134.64	22.70	57.87	-1,057.45	727.98	7,429.93	7,384.68	45.25	164.197	
10,900.00	7,001.00	3,979.38	3,776.97	135.77	22.52	57.70	-1,061.96	719.79	7,489.75	7,444.40	45.36	165.132	
11,000.00	7,001.00	3,960.00	3,759.57	136.94	22.36	57.54	-1,066.02	712.27	7,550.55	7,505.03	45.52	165.872	
11,100.00	7,001.00	3,960.00	3,759.57	138.14	22.36	57.54	-1,066.02	712.27	7,612.02	7,566.09	45.93	165.739	
11,200.00	7,001.00	3,960.00	3,759.57	139.38	22.36	57.54	-1,066.02	712.27	7,674.30	7,627.93	46.37	165.519	
11,300.00	7,001.00	3,960.00	3,759.57	140.65	22.36	57.54	-1,066.02	712.27	7,737.37	7,690.54	46.83	165.226	
11,400.00	7,001.00	3,960.00	3,759.57	141.95	22.36	57.54	-1,066.02	712.27	7,801.22	7,753.90	47.32	164.872	
11,500.00	7,001.00	3,942.38	3,743.67	143.29	22.21	57.39	-1,069.59	705.58	7,865.69	7,818.03	47.66	165.054	
11,600.00	7,001.00	3,920.00	3,723.34	144.66	22.03	57.21	-1,073.94	697.30	7,931.03	7,883.06	47.97	165.323	
11,700.00	7,001.00	3,920.00	3,723.34	146.06	22.03	57.21	-1,073.94	697.30	7,996.90	7,948.37	48.52	164.811	
11,800.00	7,001.00	3,920.00	3,723.34	147.50	22.03	57.21	-1,073.94	697.30	8,063.46	8,014.38	49.08	164.281	
11,900.00	7,001.00	3,920.00	3,723.34	148.97	22.03	57.21	-1,073.94	697.30	8,130.71	8,081.05	49.66	163.739	
12,000.00	7,001.00	3,920.00	3,723.34	150.47	22.03	57.21	-1,073.94	697.30	8,198.63	8,148.39	50.24	163.192	
12,100.00	7,001.00	3,920.00	3,723.34	152.00	22.03	57.21	-1,073.94	697.30	8,267.20	8,216.37	50.83	162.647	
12,200.00	7,001.00	3,900.21	3,705.25	153.57	21.87	57.04	-1,077.69	690.20	8,336.27	8,285.01	51.26	162.635	
12,300.00	7,001.00	3,880.00	3,686.67	155.16	21.72	56.87	-1,081.51	683.22	8,406.07	8,354.37	51.69	162.615	
12,400.00	7,001.00	3,880.00	3,686.67	156.79	21.72	56.87	-1,081.51	683.22	8,476.33	8,424.03	52.30	162.066	
12,500.00	7,001.00	3,880.00	3,686.67	158.44	21.72	56.87	-1,081.51	683.22	8,547.19	8,494.28	52.91	161.534	
12,600.00	7,001.00	3,880.00	3,686.67	160.13	21.72	56.87	-1,081.51	683.22	8,618.63	8,565.10	53.52	161.023	
12,700.00	7,001.00	3,880.00	3,686.67	161.84	21.72	56.87	-1,081.51	683.22	8,690.63	8,636.49	54.14	160.533	
12,800.00	7,001.00	3,880.00	3,686.67	163.58	21.72	56.87	-1,081.51	683.22	8,763.17	8,708.43	54.75	160.067	
12,900.00	7,001.00	3,860.76	3,668.89	165.35	21.57	56.71	-1,085.14	676.82	8,836.13	8,780.92	55.21	160.043	
13,000.00	7,001.00	3,840.00	3,649.61	167.14	21.42	56.54	-1,089.03	670.19	8,909.74	8,854.07	55.67	160.057	
13,100.00	7,001.00	3,840.00	3,649.61	168.97	21.42	56.54	-1,089.03	670.19	8,983.71	8,927.44	56.27	159.642	
13,200.00	7,001.00	3,840.00	3,649.61	170.81	21.42	56.54	-1,089.03	670.19	9,058.19	9,001.31	56.88	159.256	
13,300.00	7,001.00	3,840.00	3,649.61	172.68	21.42	56.54	-1,089.03	670.19	9,133.15	9,075.67	57.48	158.896	
13,400.00	7,001.00	3,539.74	3,371.42	174.58	19.18	54.03	-1,154.68	578.33	9,208.44	9,152.44	56.00	164.428	
13,500.00	7,001.00	3,520.00	3,353.25	176.50	19.03	53.86	-1,159.36	572.21	9,283.31	9,226.84	56.48	164.368	
13,600.00	7,001.00	3,493.07	3,328.45	178.44	18.82	53.64	-1,165.78	563.89	9,358.57	9,301.67	56.90	164.464	
13,700.00	7,001.00	3,186.44	3,048.05	180.41	16.43	51.13	-1,247.25	470.48	9,433.85	9,378.32	55.53	169.892	
13,800.00	7,001.00	3,171.25	3,034.26	182.39	16.30	51.00	-1,251.61	465.85	9,508.98	9,452.94	56.04	169.693	
13,900.00	7,001.00	3,160.00	3,024.04	184.40	16.22	50.91	-1,254.84	462.43	9,584.52	9,527.96	56.56	169.449	
14,000.00	7,001.00	3,144.94	3,010.35	186.43	16.10	50.79	-1,259.16	457.89	9,660.47	9,603.41	57.06	169.304	
14,100.00	7,001.00	2,800.00	2,698.60	188.48	13.32	48.06	-1,358.59	348.96	9,736.75	9,681.17	55.58	175.172	
14,200.00	7,001.00	2,775.40	2,676.55	190.54	13.12	47.87	-1,365.75	340.74	9,812.36	9,756.33	56.02	175.145	
14,300.00	7,001.00	2,760.00	2,662.72	192.63	12.99	47.75	-1,370.19	335.61	9,888.36	9,831.85	56.51	174.982	
14,400.00	7,001.00	2,747.58	2,651.56	194.73	12.89	47.65	-1,373.74	331.49	9,964.75	9,907.74	57.01	174.796	
14,500.00	7,001.00	2,733.80	2,639.16	196.85	12.78	47.55	-1,377.67	326.92	10,041.50	9,984.01	57.49	174.665	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
100.00	100.00	97.17	97.17	0.27	0.15	-179.24	-2,115.67	-27.97	2,116.02	2,115.60	0.41	5,103.007		
200.00	200.00	180.00	179.99	0.63	0.45	-179.25	-2,114.85	-27.56	2,115.05	2,113.97	1.08	1,962.807		
281.88	281.88	252.89	252.88	0.92	0.71	-179.26	-2,114.55	-27.24	2,114.72	2,113.10	1.63	1,299.163		
300.00	300.00	270.00	269.99	0.99	0.77	-179.26	-2,114.57	-27.13	2,114.74	2,112.99	1.75	1,206.424		
400.00	399.98	362.00	361.99	1.33	1.09	-24.67	-2,114.81	-26.37	2,113.41	2,110.99	2.42	873.242		
500.00	499.84	453.00	452.98	1.67	1.41	-24.77	-2,115.44	-25.85	2,109.33	2,106.25	3.08	685.112		
600.00	599.45	550.94	550.91	2.03	1.75	-24.94	-2,116.40	-25.53	2,102.39	2,098.62	3.77	557.229		
700.00	698.70	650.86	650.83	2.41	2.11	-25.20	-2,117.35	-24.42	2,092.27	2,087.78	4.49	466.019		
800.00	797.47	767.43	767.35	2.81	2.52	-25.61	-2,117.83	-21.47	2,078.50	2,073.22	5.28	393.751		
900.00	895.62	856.55	856.38	3.25	2.85	-26.09	-2,117.86	-17.23	2,061.34	2,055.36	5.98	344.776		
1,000.00	993.06	923.00	922.75	3.72	3.09	-26.54	-2,118.65	-14.20	2,042.29	2,035.68	6.61	309.049		
1,100.00	1,089.64	1,008.50	1,008.07	4.23	3.40	-27.16	-2,120.52	-9.17	2,021.28	2,013.95	7.32	275.960		
1,200.00	1,185.27	1,087.51	1,086.74	4.78	3.69	-27.90	-2,122.73	-2.18	1,998.07	1,990.03	8.04	248.556		
1,300.00	1,279.82	1,170.82	1,169.46	5.38	4.01	-28.80	-2,125.58	7.26	1,972.81	1,964.01	8.80	224.286		
1,400.00	1,373.17	1,253.92	1,251.66	6.03	4.34	-29.87	-2,128.65	19.06	1,945.37	1,935.78	9.59	202.940		
1,500.00	1,465.21	1,330.03	1,326.64	6.72	4.65	-31.02	-2,131.72	31.73	1,916.01	1,905.62	10.39	184.492		
1,600.00	1,555.84	1,401.07	1,396.39	7.47	4.96	-32.24	-2,135.13	44.77	1,885.24	1,874.03	11.20	168.258		
1,700.00	1,644.94	1,485.00	1,478.62	8.27	5.32	-33.77	-2,139.45	61.05	1,852.88	1,840.75	12.13	152.795		
1,800.00	1,732.39	1,590.56	1,581.91	9.12	5.80	-35.81	-2,144.24	82.29	1,818.31	1,805.11	13.20	137.739		
1,900.00	1,818.11	1,702.39	1,691.33	10.02	6.32	-38.18	-2,147.35	105.13	1,780.72	1,766.35	14.36	123.983		
2,000.00	1,901.97	1,787.29	1,774.53	10.98	6.71	-40.28	-2,149.02	121.95	1,741.14	1,725.68	15.46	112.628		
2,100.00	1,983.88	1,860.00	1,845.66	11.98	7.05	-42.35	-2,150.14	137.00	1,700.34	1,683.77	16.57	102.628		
2,200.00	2,063.74	1,925.62	1,909.84	13.04	7.36	-44.40	-2,151.39	150.59	1,659.07	1,641.35	17.71	93.656		
2,300.00	2,141.45	2,001.84	1,984.57	14.14	7.72	-46.83	-2,153.48	165.45	1,617.64	1,598.66	18.98	85.208		
2,400.00	2,216.92	2,085.62	2,066.76	15.30	8.11	-49.64	-2,155.14	181.62	1,575.45	1,555.08	20.37	77.325		
2,500.00	2,290.05	2,159.00	2,138.93	16.50	8.45	-52.35	-2,156.37	194.83	1,532.92	1,511.12	21.80	70.311		
2,600.00	2,360.76	2,210.44	2,189.54	17.76	8.69	-54.57	-2,157.50	203.96	1,491.20	1,467.98	23.22	64.231		
2,700.00	2,428.95	2,270.65	2,248.74	19.05	8.96	-57.15	-2,159.27	214.78	1,450.91	1,426.13	24.77	58.568		
2,800.00	2,494.55	2,336.64	2,313.71	20.39	9.27	-60.02	-2,161.23	226.18	1,411.84	1,385.37	26.46	53.352		
2,900.00	2,557.49	2,390.10	2,366.36	21.78	9.51	-62.51	-2,162.91	235.28	1,374.71	1,346.52	28.19	48.769		
3,000.00	2,619.27	2,443.89	2,419.32	23.18	9.76	-64.42	-2,164.77	244.52	1,341.05	1,311.06	29.99	44.712		
3,100.00	2,681.04	2,499.23	2,473.77	24.60	10.02	-66.42	-2,166.70	254.19	1,311.75	1,279.90	31.86	41.177		
3,200.00	2,742.82	2,551.31	2,525.01	26.02	10.26	-68.33	-2,168.62	263.37	1,287.15	1,253.43	33.73	38.163		
3,300.00	2,804.59	2,603.32	2,576.17	27.44	10.50	-70.25	-2,171.02	272.37	1,267.63	1,232.02	35.60	35.605		
3,400.00	2,866.37	2,661.40	2,633.32	28.87	10.77	-72.39	-2,174.10	282.26	1,253.22	1,215.72	37.50	33.418		
3,500.00	2,928.15	2,716.98	2,688.01	30.30	11.03	-74.46	-2,177.15	291.66	1,243.93	1,204.59	39.35	31.615		
3,600.00	2,989.92	2,763.16	2,733.37	31.73	11.25	-76.19	-2,179.53	300.00	1,240.29	1,199.23	41.06	30.207		
3,611.57	2,997.07	2,768.39	2,738.51	31.90	11.28	-76.39	-2,179.78	300.99	1,240.25	1,199.00	41.25	30.065 CC, ES		
3,700.00	3,051.70	2,818.77	2,787.85	33.17	11.52	-78.29	-2,182.08	310.84	1,242.53	1,199.77	42.77	29.053		
3,800.00	3,113.47	2,908.46	2,875.98	34.61	11.95	-81.68	-2,185.37	327.20	1,249.28	1,204.60	44.67	27.964		
3,900.00	3,175.25	2,956.54	2,923.28	36.05	12.17	-83.48	-2,187.37	335.60	1,261.00	1,214.88	46.12	27.342		
4,000.00	3,237.03	3,014.68	2,980.48	37.49	12.44	-85.62	-2,190.22	345.58	1,277.84	1,230.31	47.54	26.882		
4,100.00	3,298.80	3,075.05	3,039.89	38.93	12.73	-87.82	-2,193.49	355.80	1,299.48	1,250.62	48.86	26.596		
4,200.00	3,360.58	3,134.96	3,098.86	40.37	13.01	-89.97	-2,196.42	365.94	1,325.63	1,275.56	50.07	26.478 SF		
4,300.00	3,422.35	3,193.77	3,156.77	41.82	13.28	-92.08	-2,198.42	376.05	1,356.14	1,304.99	51.15	26.516		
4,400.00	3,484.13	3,255.04	3,217.11	43.27	13.56	-94.23	-2,200.55	386.45	1,390.69	1,338.54	52.15	26.669		
4,500.00	3,545.90	3,340.82	3,301.73	44.72	13.95	-97.16	-2,203.57	400.14	1,428.51	1,375.21	53.29	26.805		
4,600.00	3,607.68	3,398.14	3,358.40	46.16	14.21	-99.07	-2,205.30	408.58	1,469.11	1,415.03	54.08	27.166		
4,700.00	3,669.46	3,453.00	3,412.59	47.61	14.45	-100.86	-2,206.97	416.99	1,513.35	1,458.59	54.76	27.634		
4,800.00	3,731.23	3,505.85	3,464.74	49.06	14.69	-102.54	-2,208.93	425.27	1,560.74	1,505.37	55.37	28.187		
4,900.00	3,793.01	3,566.49	3,524.56	50.52	14.97	-104.38	-2,212.01	434.74	1,610.73	1,554.71	56.02	28.754		
5,000.00	3,854.78	3,623.76	3,581.03	51.97	15.23	-106.06	-2,215.19	443.75	1,663.14	1,606.55	56.59	29.389		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
5,100.00	3,916.56	3,685.75	3,642.15	53.42	15.51	-107.83	-2,218.50	453.50	1,717.73	1,660.55	57.18	30.041		
5,200.00	3,978.34	3,746.37	3,702.01	54.87	15.78	-109.52	-2,221.08	462.78	1,774.18	1,716.47	57.71	30.742		
5,300.00	4,040.11	3,799.31	3,754.29	56.32	16.02	-110.96	-2,223.05	470.90	1,832.57	1,774.43	58.13	31.523		
5,400.00	4,101.89	3,827.00	3,781.62	57.78	16.15	-111.69	-2,224.03	475.20	1,892.99	1,834.73	58.25	32.496		
5,500.00	4,163.66	3,878.98	3,832.85	59.23	16.39	-113.04	-2,225.82	483.77	1,955.30	1,896.67	58.63	33.350		
5,600.00	4,225.44	3,921.00	3,874.16	60.69	16.58	-114.09	-2,227.23	491.37	2,019.79	1,960.91	58.88	34.302		
5,700.00	4,287.21	3,964.66	3,917.02	62.14	16.80	-115.15	-2,228.67	499.58	2,085.93	2,026.78	59.15	35.265		
5,800.00	4,348.99	4,021.48	3,972.80	63.60	17.07	-116.49	-2,230.52	510.26	2,153.23	2,093.66	59.58	36.143		
5,900.00	4,410.77	4,083.65	4,033.86	65.05	17.37	-117.90	-2,232.42	521.79	2,221.48	2,161.42	60.06	36.986		
6,000.00	4,472.54	4,149.97	4,099.04	66.51	17.68	-119.34	-2,234.38	533.85	2,290.49	2,229.89	60.60	37.798		
6,100.00	4,534.32	4,217.94	4,165.85	67.96	18.01	-120.75	-2,236.93	546.09	2,360.06	2,298.89	61.16	38.586		
6,200.00	4,596.09	4,279.59	4,226.46	69.42	18.30	-121.97	-2,239.44	557.09	2,430.24	2,368.57	61.66	39.412		
6,300.00	4,657.87	4,330.14	4,276.15	70.88	18.54	-122.93	-2,241.52	566.11	2,501.12	2,439.08	62.03	40.321		
6,400.00	4,719.64	4,376.17	4,321.38	72.33	18.76	-123.77	-2,243.32	574.50	2,572.88	2,510.53	62.35	41.267		
6,500.00	4,781.42	4,426.94	4,371.24	73.79	19.00	-124.68	-2,245.15	583.89	2,645.45	2,582.73	62.73	42.175		
6,600.00	4,843.20	4,483.00	4,426.31	75.25	19.27	-125.65	-2,246.90	594.21	2,718.67	2,655.50	63.17	43.038		
6,700.00	4,904.97	4,528.88	4,471.39	76.71	19.49	-126.43	-2,248.17	602.67	2,792.51	2,729.02	63.49	43.983		
6,800.00	4,966.75	4,578.07	4,519.70	78.16	19.73	-127.23	-2,249.45	611.84	2,866.97	2,803.12	63.86	44.895		
6,900.00	5,028.52	4,643.72	4,584.19	79.62	20.04	-128.26	-2,251.12	624.02	2,941.85	2,877.42	64.43	45.657		
7,000.00	5,090.30	4,744.91	4,683.68	81.08	20.52	-129.77	-2,254.17	642.18	3,016.77	2,951.32	65.45	46.095		
7,100.00	5,152.08	4,797.65	4,735.57	82.54	20.78	-130.51	-2,256.29	651.36	3,091.43	3,025.55	65.88	46.922		
7,200.00	5,213.85	4,836.61	4,773.87	83.99	20.96	-131.04	-2,257.78	658.36	3,166.76	3,100.60	66.16	47.865		
7,300.00	5,275.63	4,890.62	4,826.93	85.45	21.22	-131.75	-2,259.75	668.32	3,242.68	3,176.05	66.63	48.668		
7,400.00	5,337.40	4,964.52	4,899.56	86.91	21.57	-132.69	-2,262.46	681.64	3,318.70	3,251.36	67.35	49.279		
7,500.00	5,399.18	5,030.46	4,964.46	88.37	21.88	-133.50	-2,264.70	693.11	3,394.80	3,326.84	67.96	49.955		
7,600.00	5,460.95	5,110.02	5,042.88	89.83	22.25	-134.45	-2,267.10	706.31	3,470.92	3,402.19	68.72	50.506		
7,700.00	5,522.73	5,210.98	5,142.67	91.29	22.70	-135.62	-2,269.90	721.31	3,546.43	3,476.72	69.71	50.875		
7,800.00	5,584.51	5,381.03	5,311.47	92.75	23.39	-137.53	-2,273.71	741.43	3,620.83	3,549.49	71.35	50.750		
7,900.00	5,646.28	5,494.92	5,424.91	94.20	23.82	-138.77	-2,275.42	751.34	3,694.56	3,622.24	72.32	51.089		
8,000.00	5,708.06	5,608.53	5,538.28	95.66	24.23	-139.98	-2,276.35	758.53	3,767.68	3,694.46	73.22	51.456		
8,100.00	5,769.83	5,667.04	5,596.72	97.12	24.43	-140.58	-2,276.61	761.54	3,840.67	3,767.04	73.63	52.160		
8,200.00	5,831.61	5,736.78	5,666.37	98.58	24.66	-141.29	-2,276.70	764.93	3,913.92	3,839.79	74.13	52.796		
8,300.00	5,893.39	5,839.20	5,868.73	100.04	25.26	-143.34	-2,274.00	767.73	3,986.72	3,911.18	75.54	52.776		
8,400.00	5,955.16	6,051.31	5,980.82	101.50	25.55	-144.41	-2,274.03	766.40	4,057.61	3,981.36	76.25	53.217		
8,500.00	6,016.94	6,111.17	6,040.67	102.96	25.71	-144.95	-2,274.29	765.60	4,128.63	4,052.01	76.61	53.888		
8,600.00	6,078.71	6,173.73	6,103.22	104.42	25.87	-145.51	-2,274.54	764.76	4,199.91	4,122.91	77.00	54.542		
8,700.00	6,140.49	6,242.10	6,171.59	105.88	26.05	-146.10	-2,274.84	763.80	4,271.38	4,193.95	77.43	55.161		
8,800.00	6,202.26	6,302.04	6,231.52	107.34	26.21	-146.61	-2,275.16	762.95	4,343.04	4,265.22	77.82	55.812		
8,900.00	6,264.04	6,358.35	6,287.83	108.80	26.36	-147.07	-2,275.49	762.29	4,414.99	4,336.81	78.18	56.475		
9,000.00	6,325.82	6,423.46	6,352.93	110.26	26.54	-147.59	-2,275.85	761.54	4,487.17	4,408.57	78.60	57.087		
9,100.00	6,387.59	6,483.97	6,413.44	111.72	26.70	-148.06	-2,276.12	760.76	4,559.52	4,480.52	79.00	57.716		
9,200.00	6,449.37	6,544.00	6,473.46	113.18	26.86	-148.51	-2,276.34	760.02	4,632.13	4,552.73	79.40	58.343		
9,300.00	6,511.14	6,597.98	6,527.43	114.64	27.01	-148.91	-2,276.49	759.41	4,704.98	4,625.23	79.75	58.995		
9,400.00	6,572.92	6,657.40	6,586.85	116.10	27.17	-149.34	-2,276.63	758.78	4,778.07	4,697.92	80.15	59.613		
9,500.00	6,634.70	6,722.98	6,652.43	117.56	27.35	-149.80	-2,276.74	758.04	4,851.30	4,770.70	80.60	60.191		
9,600.00	6,696.47	6,779.38	6,708.82	119.02	27.51	-150.19	-2,276.79	757.36	4,924.70	4,843.72	80.98	60.812		
9,700.00	6,758.22	6,836.14	6,765.58	120.48	27.67	-152.27	-2,276.72	756.68	4,998.39	4,917.02	81.37	61.427		
9,800.00	6,817.23	6,900.62	6,830.06	122.00	27.85	-169.14	-2,276.65	755.89	5,076.74	4,994.89	81.85	62.025		
9,900.00	6,870.40	6,966.27	6,895.70	123.58	28.03	171.52	-2,276.70	755.08	5,160.78	5,078.42	82.36	62.658		
10,000.00	6,916.13	7,026.33	6,955.75	125.16	28.20	150.26	-2,276.92	754.30	5,247.90	5,165.06	82.84	63.348		
10,100.00	6,953.01	7,061.39	6,990.81	126.69	28.29	129.31	-2,277.07	753.84	5,335.69	5,252.57	83.12	64.190		
10,200.00	6,979.94	7,089.57	7,018.99	128.11	28.37	111.88	-2,277.20	753.46	5,421.73	5,338.39	83.34	65.054		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
10,300.00	6,996.09	7,107.04	7,036.46	129.37	28.42	99.13	-2,277.28	753.23	5,503.72	5,420.23	83.48	65.925		
10,400.00	7,001.00	7,116.18	7,045.59	130.45	28.45	91.10	-2,277.32	753.11	5,579.51	5,495.92	83.59	66.749		
10,500.00	7,001.00	7,118.24	7,047.65	131.44	28.45	91.13	-2,277.33	753.08	5,652.56	5,568.88	83.68	67.550		
10,600.00	7,001.00	7,120.35	7,049.76	132.48	28.46	91.16	-2,277.34	753.05	5,726.43	5,642.64	83.79	68.346		
10,700.00	7,001.00	7,122.50	7,051.92	133.54	28.47	91.19	-2,277.35	753.02	5,801.08	5,717.17	83.91	69.136		
10,800.00	7,001.00	7,124.71	7,054.13	134.64	28.47	91.23	-2,277.36	752.99	5,876.48	5,792.44	84.04	69.922		
10,900.00	7,001.00	7,126.98	7,056.39	135.77	28.48	91.26	-2,277.37	752.95	5,952.61	5,868.42	84.19	70.703		
11,000.00	7,001.00	7,129.29	7,058.71	136.94	28.49	91.30	-2,277.38	752.92	6,029.43	5,945.08	84.35	71.480		
11,100.00	7,001.00	7,131.67	7,061.08	138.14	28.49	91.33	-2,277.39	752.88	6,106.93	6,022.41	84.52	72.253		
11,200.00	7,001.00	7,134.10	7,063.52	139.38	28.50	91.37	-2,277.40	752.84	6,185.07	6,100.37	84.70	73.022		
11,300.00	7,001.00	7,136.60	7,066.01	140.65	28.51	91.40	-2,277.41	752.81	6,263.83	6,178.94	84.89	73.789		
11,400.00	7,001.00	7,139.16	7,068.57	141.95	28.51	91.44	-2,277.42	752.77	6,343.19	6,258.11	85.08	74.552		
11,500.00	7,001.00	7,141.78	7,071.20	143.29	28.52	91.48	-2,277.43	752.72	6,423.13	6,337.84	85.29	75.313		
11,600.00	7,001.00	7,144.48	7,073.89	144.66	28.53	91.52	-2,277.44	752.68	6,503.62	6,418.12	85.49	76.071		
11,700.00	7,001.00	7,147.25	7,076.66	146.06	28.54	91.56	-2,277.46	752.64	6,584.64	6,498.93	85.71	76.828		
11,800.00	7,001.00	7,150.09	7,079.50	147.50	28.54	91.61	-2,277.47	752.59	6,666.18	6,580.26	85.92	77.583		
11,900.00	7,001.00	7,153.01	7,082.42	148.97	28.55	91.65	-2,277.48	752.54	6,748.21	6,662.07	86.14	78.336		
12,000.00	7,001.00	7,156.01	7,085.42	150.47	28.56	91.69	-2,277.49	752.49	6,830.73	6,744.36	86.37	79.087		
12,100.00	7,001.00	7,159.09	7,088.50	152.00	28.57	91.74	-2,277.51	752.44	6,913.70	6,827.10	86.60	79.838		
12,200.00	7,001.00	7,162.26	7,091.67	153.57	28.58	91.79	-2,277.52	752.38	6,997.12	6,910.29	86.83	80.587		
12,300.00	7,001.00	7,165.53	7,094.94	155.16	28.59	91.84	-2,277.54	752.32	7,080.96	6,993.91	87.06	81.336		
12,400.00	7,001.00	7,168.89	7,098.30	156.79	28.60	91.89	-2,277.55	752.26	7,165.22	7,077.93	87.29	82.083		
12,500.00	7,001.00	7,172.35	7,101.76	158.44	28.61	91.94	-2,277.57	752.20	7,249.88	7,162.36	87.53	82.830		
12,600.00	7,001.00	7,175.92	7,105.32	160.13	28.62	91.99	-2,277.58	752.13	7,334.93	7,247.17	87.76	83.576		
12,700.00	7,001.00	7,179.59	7,109.00	161.84	28.63	92.05	-2,277.60	752.07	7,420.35	7,332.34	88.00	84.321		
12,800.00	7,001.00	7,183.38	7,112.79	163.58	28.64	92.10	-2,277.62	751.99	7,506.12	7,417.88	88.24	85.066		
12,900.00	7,001.00	7,187.29	7,116.70	165.35	28.65	92.16	-2,277.63	751.92	7,592.25	7,503.77	88.48	85.811		
13,000.00	7,001.00	7,191.33	7,120.73	167.14	28.66	92.22	-2,277.65	751.84	7,678.70	7,589.99	88.71	86.555		
13,100.00	7,001.00	7,195.49	7,124.90	168.97	28.67	92.28	-2,277.67	751.76	7,765.49	7,676.53	88.95	87.298		
13,200.00	7,001.00	7,199.80	7,129.20	170.81	28.68	92.35	-2,277.69	751.67	7,852.58	7,763.39	89.19	88.042		
13,300.00	7,001.00	7,204.25	7,133.65	172.68	28.70	92.41	-2,277.71	751.58	7,939.98	7,850.55	89.43	88.784		
13,400.00	7,001.00	7,208.86	7,138.26	174.58	28.71	92.48	-2,277.73	751.48	8,027.67	7,938.01	89.67	89.526		
13,500.00	7,001.00	7,213.63	7,143.03	176.50	28.72	92.55	-2,277.75	751.38	8,115.65	8,025.74	89.91	90.268		
13,600.00	7,001.00	7,218.56	7,147.96	178.44	28.74	92.63	-2,277.77	751.27	8,203.90	8,113.76	90.14	91.009		
13,700.00	7,001.00	7,223.65	7,152.95	180.41	28.76	92.71	-2,277.79	751.16	8,292.41	8,202.29	90.37	91.750		
13,800.00	7,001.00	7,228.80	7,158.00	182.41	28.78	92.79	-2,277.81	751.05	8,381.19	8,290.86	90.60	92.491		
13,900.00	7,001.00	7,234.01	7,163.21	184.44	28.80	92.87	-2,277.83	750.94	8,470.22	8,379.48	90.83	93.232		
14,000.00	7,001.00	7,239.28	7,168.48	186.48	28.82	92.95	-2,277.85	750.83	8,559.49	8,468.53	91.06	93.973		
14,100.00	7,001.00	7,244.61	7,173.81	188.54	28.84	93.03	-2,277.87	750.72	8,648.99	8,557.82	91.29	94.714		
14,200.00	7,001.00	7,249.99	7,179.19	190.62	28.86	93.11	-2,277.89	750.61	8,738.72	8,647.33	91.52	95.455		
14,300.00	7,001.00	7,255.42	7,184.62	192.72	28.88	93.19	-2,277.91	750.50	8,828.67	8,737.07	91.75	96.196		
14,400.00	7,001.00	7,260.90	7,189.99	194.84	28.90	93.27	-2,277.93	750.39	8,918.83	8,827.02	91.98	96.937		
14,500.00	7,001.00	7,266.43	7,195.52	196.99	28.92	93.35	-2,277.95	750.28	9,009.20	8,917.19	92.21	97.678		
14,600.00	7,001.00	7,272.01	7,201.10	199.17	28.94	93.43	-2,277.97	750.17	9,099.77	9,007.55	92.44	98.419		
14,700.00	7,001.00	7,277.64	7,206.73	201.37	28.96	93.51	-2,277.99	750.06	9,190.53	9,098.11	92.67	99.160		
14,800.00	7,001.00	7,283.31	7,212.40	203.59	28.98	93.59	-2,278.01	750.00	9,281.48	9,188.86	92.90	99.901		
14,900.00	7,001.00	7,289.03	7,218.12	205.83	29.00	93.67	-2,278.03	750.00	9,372.62	9,279.80	93.13	100.642		
15,000.00	7,001.00	7,294.80	7,223.89	208.09	29.02	93.75	-2,278.05	750.00	9,463.94	9,370.92	93.36	101.383		
15,100.00	7,001.00	7,300.62	7,229.71	210.37	29.04	93.83	-2,278.07	750.00	9,555.43	9,462.21	93.59	102.124		
15,200.00	7,001.00	7,306.49	7,235.58	212.67	29.06	93.91	-2,278.09	750.00	9,647.09	9,553.67	93.82	102.865		
15,300.00	7,001.00	7,312.41	7,241.50	214.98	29.08	94.00	-2,278.11	750.00	9,738.91	9,645.30	94.05	103.606		
15,400.00	7,001.00	7,318.38	7,247.47	217.30	29.10	94.08	-2,278.13	750.00	9,830.89	9,737.09	94.28	104.347		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	
15,500.00	7,001.00	7,258.39	7,187.78	218.90	28.85	93.22	-2,277.97	750.44	9,923.02	9,829.03	93.99	105.578	
15,600.00	7,001.00	7,261.06	7,190.44	221.18	28.85	93.26	-2,277.98	750.38	10,015.31	9,921.13	94.18	106.347	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	107.70	107.70	0.27	0.16	-166.20	-1,299.63	-319.21	1,338.39	1,337.97	0.42	3,177.149		
200.00	200.00	200.93	200.91	0.63	0.43	-166.23	-1,298.57	-318.25	1,337.05	1,335.99	1.06	1,261.333		
300.00	300.00	292.61	292.59	0.99	0.75	-166.20	-1,297.91	-318.90	1,336.52	1,334.78	1.74	768.116		
400.00	399.98	396.16	396.12	1.33	1.12	-11.50	-1,297.20	-320.54	1,334.52	1,332.07	2.45	544.652		
500.00	499.84	493.09	493.03	1.67	1.47	-11.48	-1,296.23	-322.42	1,328.90	1,325.76	3.14	423.430		
600.00	599.45	577.44	577.36	2.03	1.76	-11.53	-1,296.14	-323.44	1,320.55	1,316.77	3.78	349.240		
700.00	698.70	675.12	675.03	2.41	2.09	-11.74	-1,297.52	-322.33	1,309.70	1,305.23	4.47	292.937		
800.00	797.47	786.99	786.88	2.81	2.47	-12.05	-1,298.56	-320.54	1,294.91	1,289.69	5.22	248.058		
900.00	895.62	888.85	888.73	3.25	2.83	-12.40	-1,298.78	-318.69	1,276.05	1,270.10	5.94	214.660		
1,000.00	993.06	965.26	965.13	3.72	3.09	-12.68	-1,299.21	-318.52	1,254.55	1,247.96	6.58	190.538		
1,100.00	1,089.64	1,054.21	1,054.04	4.23	3.40	-12.93	-1,300.31	-320.99	1,231.03	1,223.76	7.28	169.197		
1,200.00	1,185.27	1,142.20	1,141.93	4.78	3.71	-13.16	-1,301.45	-325.01	1,204.69	1,196.71	7.97	151.082		
1,300.00	1,279.82	1,226.18	1,225.65	5.38	4.01	-13.31	-1,302.71	-331.41	1,175.92	1,167.25	8.67	135.644		
1,400.00	1,373.17	1,307.13	1,306.23	6.03	4.31	-13.45	-1,304.53	-338.91	1,144.95	1,135.58	9.37	122.237		
1,500.00	1,465.21	1,383.03	1,381.66	6.72	4.59	-13.60	-1,307.07	-346.91	1,112.08	1,102.02	10.06	110.548		
1,600.00	1,555.84	1,462.00	1,459.85	7.47	4.89	-13.70	-1,311.17	-357.16	1,078.08	1,067.31	10.78	100.024		
1,700.00	1,644.94	1,533.78	1,530.59	8.27	5.17	-13.75	-1,315.71	-368.49	1,042.49	1,031.00	11.49	90.734		
1,800.00	1,732.39	1,626.64	1,621.97	9.12	5.55	-13.76	-1,321.59	-383.90	1,004.10	991.81	12.29	81.671		
1,900.00	1,818.11	1,700.78	1,694.87	10.02	5.86	-13.85	-1,326.48	-396.49	963.02	949.97	13.05	73.806		
2,000.00	1,901.97	1,762.00	1,754.53	10.98	6.13	-13.86	-1,331.84	-409.08	921.47	907.70	13.77	66.932		
2,100.00	1,983.88	1,840.63	1,830.33	11.98	6.50	-13.63	-1,339.67	-428.46	878.89	864.32	14.58	60.284		
2,200.00	2,063.74	1,920.20	1,906.12	13.04	6.91	-13.16	-1,347.65	-451.33	834.41	818.99	15.41	54.130		
2,300.00	2,141.45	1,991.90	1,973.61	14.14	7.31	-12.55	-1,355.09	-474.36	788.24	772.00	16.23	48.553		
2,400.00	2,216.92	2,058.76	2,035.76	15.30	7.71	-11.82	-1,363.23	-497.59	741.51	724.47	17.04	43.512		
2,500.00	2,290.05	2,128.33	2,099.66	16.50	8.16	-10.85	-1,372.94	-523.34	694.27	676.40	17.87	38.853		
2,600.00	2,360.76	2,197.31	2,162.12	17.76	8.64	-9.63	-1,383.65	-550.56	646.55	627.85	18.70	34.583		
2,700.00	2,428.95	2,265.86	2,223.07	19.05	9.15	-8.05	-1,395.26	-579.69	598.64	579.14	19.50	30.697		
2,800.00	2,494.55	2,335.00	2,283.68	20.39	9.70	-6.12	-1,408.39	-610.26	550.86	530.57	20.29	27.151		
2,900.00	2,557.49	2,421.89	2,359.74	21.78	10.42	-3.26	-1,426.06	-648.36	501.98	480.80	21.19	23.695		
3,000.00	2,619.27	2,497.29	2,425.74	23.18	11.06	-0.25	-1,441.78	-681.27	453.32	431.33	22.00	20.609		
3,100.00	2,681.04	2,580.35	2,497.63	24.60	11.80	3.89	-1,459.59	-718.89	407.53	384.62	22.91	17.789		
3,200.00	2,742.82	2,668.08	2,573.94	26.02	12.60	9.17	-1,477.79	-758.10	363.41	339.36	24.05	15.112		
3,300.00	2,804.59	2,751.54	2,645.95	27.44	13.38	16.00	-1,492.20	-797.75	322.26	296.70	25.57	12.605		
3,400.00	2,866.37	2,833.10	2,716.22	28.87	14.16	24.22	-1,505.54	-836.95	286.89	259.08	27.81	10.314		
3,500.00	2,928.15	2,915.47	2,787.31	30.30	14.96	33.86	-1,519.34	-876.19	259.87	228.72	31.15	8.342		
3,600.00	2,989.92	3,004.36	2,864.86	31.73	15.81	45.47	-1,534.52	-916.90	242.40	206.46	35.95	6.743		
3,675.49	3,036.56	3,060.18	2,913.64	32.82	16.34	53.22	-1,543.99	-942.33	237.72	198.14	39.59	6.005 CC		
3,700.00	3,051.70	3,078.39	2,929.43	33.17	16.52	55.78	-1,547.04	-950.86	238.22	197.45	40.77	5.842 ES		
3,800.00	3,113.47	3,162.80	3,002.54	34.61	17.34	67.30	-1,561.21	-990.62	249.11	203.30	45.81	5.438 SF		
3,900.00	3,175.25	3,242.87	3,072.14	36.05	18.14	77.18	-1,575.44	-1,027.52	271.15	221.62	49.53	5.474		
4,000.00	3,237.03	3,329.37	3,145.54	37.49	19.02	85.72	-1,593.55	-1,069.55	303.06	250.54	52.52	5.770		
4,100.00	3,298.80	3,417.15	3,221.34	38.93	19.91	93.15	-1,612.39	-1,109.60	338.50	283.62	54.88	6.168		
4,200.00	3,360.58	3,492.22	3,286.35	40.37	20.65	98.61	-1,626.85	-1,144.24	380.08	323.91	56.17	6.767		
4,300.00	3,422.35	3,575.00	3,359.06	41.82	21.45	103.90	-1,642.31	-1,180.65	424.33	366.80	57.53	7.376		
4,400.00	3,484.13	3,647.42	3,422.98	43.27	22.15	107.89	-1,654.83	-1,212.28	472.21	413.92	58.28	8.102		
4,500.00	3,545.90	3,722.51	3,488.79	44.72	22.87	111.33	-1,665.74	-1,246.76	524.84	465.68	59.16	8.872		
4,600.00	3,607.68	3,804.34	3,561.39	46.16	23.65	114.68	-1,677.11	-1,282.76	578.71	518.44	60.27	9.602		
4,700.00	3,669.46	3,880.65	3,628.34	47.61	24.40	117.15	-1,688.38	-1,317.58	633.71	572.45	61.26	10.344		
4,800.00	3,731.23	3,945.22	3,684.03	49.06	25.06	118.77	-1,697.55	-1,348.95	690.81	628.87	61.94	11.153		
4,900.00	3,793.01	4,022.69	3,749.96	50.52	25.89	120.31	-1,708.01	-1,388.26	749.54	686.27	63.27	11.846		
5,000.00	3,854.78	4,110.26	3,824.30	51.97	26.84	121.76	-1,720.33	-1,432.88	808.26	743.20	65.06	12.424		
5,100.00	3,916.56	4,198.38	3,899.10	53.42	27.80	123.01	-1,733.75	-1,477.48	866.23	799.37	66.87	12.955		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	3,978.34	4,285.23	3,972.77	54.87	28.74	124.07	-1,747.56	-1,521.35	923.88	855.25	68.63	13.462		
5,300.00	4,040.11	4,374.35	4,049.19	56.32	29.68	125.14	-1,762.02	-1,564.86	981.06	910.66	70.40	13.935		
5,400.00	4,101.89	4,461.41	4,125.76	57.78	30.54	126.32	-1,775.88	-1,603.89	1,037.79	965.84	71.94	14.425		
5,500.00	4,163.66	4,542.47	4,197.45	59.23	31.33	127.35	-1,788.82	-1,639.42	1,094.53	1,021.25	73.27	14.937		
5,600.00	4,225.44	4,615.48	4,261.01	60.69	32.07	128.07	-1,800.66	-1,673.35	1,151.79	1,077.31	74.49	15.463		
5,700.00	4,287.21	4,698.54	4,332.60	62.14	32.93	128.74	-1,814.17	-1,713.21	1,209.44	1,133.37	76.07	15.899		
5,800.00	4,348.99	4,780.79	4,404.04	63.60	33.79	129.39	-1,827.51	-1,751.74	1,267.01	1,189.39	77.61	16.325		
5,900.00	4,410.77	4,877.39	4,486.94	65.05	34.80	129.99	-1,843.91	-1,798.53	1,324.37	1,244.73	79.64	16.630		
6,000.00	4,472.54	5,003.30	4,595.99	66.51	36.10	130.80	-1,867.65	-1,856.80	1,379.96	1,297.60	82.36	16.755		
6,100.00	4,534.32	5,125.48	4,701.45	67.96	37.36	131.50	-1,894.40	-1,912.41	1,432.92	1,348.03	84.90	16.878		
6,200.00	4,596.09	5,187.95	4,754.85	69.42	38.03	131.79	-1,908.56	-1,941.55	1,485.51	1,399.52	85.99	17.275		
6,300.00	4,657.87	5,258.49	4,814.70	70.88	38.79	132.05	-1,923.72	-1,975.68	1,539.35	1,452.02	87.33	17.627		
6,400.00	4,719.64	5,348.86	4,892.03	72.33	39.75	132.41	-1,942.82	-2,018.34	1,593.38	1,504.23	89.15	17.873		
6,500.00	4,781.42	5,414.00	4,948.25	73.79	40.43	132.70	-1,956.92	-2,048.08	1,646.99	1,556.71	90.28	18.242		
6,600.00	4,843.20	5,468.06	4,995.03	75.25	40.99	132.93	-1,967.86	-2,072.84	1,701.95	1,610.82	91.13	18.677		
6,700.00	4,904.97	5,510.00	5,031.30	76.71	41.42	133.09	-1,975.06	-2,092.64	1,759.25	1,667.60	91.65	19.196		
6,800.00	4,966.75	5,595.43	5,106.29	78.16	42.27	133.49	-1,988.58	-2,131.26	1,817.54	1,724.29	93.25	19.491		
6,900.00	5,028.52	5,683.78	5,185.21	79.62	43.10	133.99	-2,002.70	-2,168.35	1,875.37	1,780.56	94.80	19.782		
7,000.00	5,090.30	5,800.38	5,288.41	81.08	44.22	134.53	-2,022.72	-2,218.76	1,932.49	1,835.40	97.09	19.905		
7,100.00	5,152.08	5,880.65	5,358.12	82.54	45.05	134.78	-2,037.56	-2,255.71	1,988.85	1,890.22	98.62	20.166		
7,200.00	5,213.85	6,022.24	5,478.34	83.99	46.59	135.03	-2,066.14	-2,324.79	2,044.16	1,942.32	101.83	20.074		
7,300.00	5,275.63	6,083.00	5,530.54	85.45	47.24	135.18	-2,079.50	-2,352.87	2,097.92	1,994.97	102.94	20.379		
7,400.00	5,337.40	6,147.78	5,586.68	86.91	47.91	135.36	-2,093.03	-2,382.21	2,152.47	2,048.37	104.11	20.676		
7,500.00	5,399.18	6,179.00	5,613.65	88.37	48.23	135.43	-2,098.87	-2,396.81	2,208.99	2,104.54	104.45	21.149		
7,600.00	5,460.95	6,240.20	5,666.01	89.83	48.90	135.53	-2,109.49	-2,426.67	2,266.72	2,161.11	105.61	21.644		
7,700.00	5,522.73	6,324.56	5,737.31	91.29	49.82	135.61	-2,123.23	-2,469.58	2,325.43	2,218.00	107.43	21.647		
7,800.00	5,584.51	6,400.68	5,803.10	92.75	50.63	135.76	-2,136.10	-2,505.65	2,383.34	2,274.41	108.93	21.880		
7,900.00	5,646.28	6,465.00	5,859.39	94.20	51.28	135.92	-2,145.67	-2,535.25	2,442.62	2,332.55	110.08	22.190		
8,000.00	5,708.06	6,491.67	5,882.83	95.66	51.55	135.98	-2,149.25	-2,547.44	2,502.72	2,392.46	110.26	22.699		
8,100.00	5,769.83	6,561.00	5,943.77	97.12	52.24	136.16	-2,158.14	-2,579.29	2,563.78	2,452.27	111.52	22.990		
8,200.00	5,831.61	6,762.95	6,118.24	98.58	54.36	136.46	-2,187.98	-2,676.40	2,624.34	2,508.07	116.27	22.571		
8,300.00	5,893.39	6,856.18	6,198.36	100.04	55.36	136.59	-2,204.76	-2,720.98	2,681.42	2,563.20	118.22	22.681		
8,400.00	5,955.16	6,931.92	6,264.77	101.50	56.11	136.76	-2,218.21	-2,754.82	2,738.46	2,618.83	119.63	22.891		
8,500.00	6,016.94	7,019.83	6,342.38	102.96	56.97	136.97	-2,233.70	-2,793.10	2,795.55	2,674.28	121.27	23.052		
8,600.00	6,078.71	7,098.12	6,411.62	104.42	57.73	137.16	-2,247.56	-2,826.89	2,852.56	2,729.88	122.68	23.252		
8,700.00	6,140.49	7,167.69	6,473.43	105.88	58.40	137.34	-2,259.65	-2,856.46	2,909.82	2,785.92	123.89	23.486		
8,800.00	6,202.26	7,232.86	6,530.64	107.34	59.04	137.46	-2,270.76	-2,885.63	2,967.53	2,842.47	125.06	23.729		
8,900.00	6,264.04	7,317.92	6,605.06	108.80	59.90	137.60	-2,285.13	-2,924.23	3,025.42	2,898.71	126.71	23.876		
9,000.00	6,325.82	7,433.86	6,706.62	110.26	61.07	137.79	-2,305.28	-2,976.40	3,082.93	2,953.87	129.07	23.886		
9,100.00	6,387.59	7,573.99	6,825.39	111.72	62.62	137.85	-2,332.74	-3,045.44	3,138.66	3,006.45	132.22	23.739		
9,200.00	6,449.37	7,653.63	6,892.48	113.18	63.50	137.87	-2,348.86	-3,085.20	3,194.07	3,060.16	133.91	23.852		
9,300.00	6,511.14	7,747.96	6,974.54	114.64	64.49	138.00	-2,367.47	-3,127.82	3,249.65	3,113.85	135.80	23.930		
9,400.00	6,572.92	7,842.00	7,055.24	116.10	65.48	138.08	-2,386.94	-3,171.96	3,304.45	3,166.73	137.72	23.993		
9,500.00	6,634.70	7,842.00	7,055.24	117.56	65.48	138.08	-2,386.94	-3,171.96	3,360.45	3,222.95	137.51	24.438		
9,600.00	6,696.47	7,901.06	7,102.77	119.02	66.25	138.00	-2,398.52	-3,205.00	3,416.99	3,278.08	138.92	24.598		
9,700.00	6,758.22	7,937.00	7,130.03	120.48	66.72	136.36	-2,404.76	-3,227.56	3,475.20	3,335.49	139.71	24.874		
9,800.00	6,817.23	7,977.18	7,158.76	122.00	67.36	123.70	-2,411.30	-3,254.87	3,530.36	3,389.64	140.71	25.089		
9,900.00	6,870.40	8,033.00	7,195.16	123.58	68.25	113.58	-2,420.12	-3,296.22	3,578.28	3,436.06	142.22	25.160		
10,000.00	6,916.13	8,033.00	7,195.16	125.16	68.25	105.78	-2,420.12	-3,296.22	3,618.41	3,476.86	141.54	25.564		
10,100.00	6,953.01	8,076.38	7,220.50	126.69	69.04	100.20	-2,425.94	-3,330.92	3,649.30	3,506.74	142.57	25.597		
10,200.00	6,979.94	8,128.00	7,247.14	128.11	69.98	96.60	-2,430.55	-3,374.88	3,671.65	3,527.72	143.94	25.508		
10,300.00	6,996.09	8,128.00	7,247.14	129.37	69.98	94.52	-2,430.55	-3,374.88	3,683.10	3,540.08	143.02	25.752		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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												
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	Warning					
10,400.00	7,001.00	8,165.22	7,263.67	130.45	70.73	94.26	-2,432.79	-3,408.13	3,684.75	3,540.92	143.83	25.619						
10,500.00	7,001.00	8,256.81	7,293.91	131.44	72.59	94.74	-2,437.14	-3,494.37	3,682.29	3,534.92	147.37	24.987						
10,600.00	7,001.00	8,415.00	7,316.22	132.48	75.98	95.09	-2,444.90	-3,650.32	3,678.12	3,523.65	154.48	23.810						
10,700.00	7,001.00	8,468.95	7,316.36	133.54	77.14	95.10	-2,447.01	-3,704.23	3,674.36	3,518.01	156.36	23.500						
10,800.00	7,001.00	8,510.00	7,316.45	134.64	78.03	95.10	-2,447.77	-3,745.27	3,672.36	3,514.78	157.58	23.304						
10,876.15	7,001.00	8,538.96	7,316.62	135.50	78.66	95.10	-2,447.89	-3,774.23	3,671.94	3,513.52	158.42	23.179						
10,900.00	7,001.00	8,548.90	7,316.73	135.77	78.88	95.10	-2,447.86	-3,784.17	3,671.99	3,513.28	158.72	23.136						
11,000.00	7,001.00	8,606.00	7,317.83	136.94	80.12	95.12	-2,447.01	-3,841.25	3,673.29	3,512.48	160.81	22.842						
11,100.00	7,001.00	8,706.49	7,320.65	138.14	82.33	95.16	-2,445.01	-3,941.68	3,675.39	3,510.12	165.27	22.239						
11,200.00	7,001.00	8,800.79	7,324.88	139.38	84.45	95.23	-2,443.66	-4,035.88	3,677.09	3,507.63	169.46	21.699						
11,300.00	7,001.00	8,902.04	7,330.46	140.65	86.74	95.31	-2,442.32	-4,136.96	3,678.78	3,504.71	174.07	21.134						
11,400.00	7,001.00	8,987.00	7,332.49	141.95	88.68	95.34	-2,440.71	-4,221.87	3,680.74	3,502.91	177.83	20.698						
11,500.00	7,001.00	9,279.65	7,329.57	143.29	95.49	95.29	-2,439.74	-4,514.45	3,682.00	3,489.14	192.87	19.091						
11,600.00	7,001.00	9,413.64	7,330.52	144.66	98.69	95.32	-2,444.74	-4,648.34	3,678.15	3,478.76	199.39	18.447						
11,700.00	7,001.00	9,500.86	7,331.60	146.06	100.79	95.34	-2,448.11	-4,735.48	3,674.27	3,470.82	203.44	18.060						
11,800.00	7,001.00	9,646.33	7,333.08	147.50	104.33	95.37	-2,454.42	-4,880.80	3,669.89	3,459.24	210.65	17.422						
11,900.00	7,001.00	9,723.07	7,333.91	148.97	106.20	95.39	-2,458.49	-4,957.43	3,664.73	3,450.52	214.21	17.108						
12,000.00	7,001.00	9,780.86	7,333.58	150.47	107.62	95.39	-2,460.45	-5,015.18	3,661.11	3,444.35	216.76	16.890						
12,100.00	7,001.00	9,847.00	7,334.42	152.00	109.24	95.40	-2,462.34	-5,081.29	3,658.30	3,438.53	219.77	16.646						
12,200.00	7,001.00	9,892.99	7,335.23	153.57	110.38	95.42	-2,463.13	-5,127.26	3,656.73	3,435.06	221.67	16.497						
12,300.00	7,001.00	10,000.16	7,335.19	155.16	113.02	95.42	-2,463.39	-5,234.42	3,656.38	3,429.41	226.96	16.110						
12,400.00	7,001.00	10,100.61	7,335.18	156.79	115.50	95.42	-2,464.90	-5,334.85	3,654.74	3,422.83	231.91	15.759						
12,500.00	7,001.00	10,212.79	7,336.34	158.44	118.30	95.44	-2,466.00	-5,447.02	3,653.74	3,416.21	237.53	15.382						
12,600.00	7,001.00	10,266.68	7,337.20	160.13	119.64	95.45	-2,466.75	-5,500.89	3,652.69	3,412.78	239.92	15.225						
12,604.45	7,001.00	10,267.89	7,337.22	160.20	119.67	95.45	-2,466.75	-5,502.10	3,652.70	3,412.74	239.95	15.222						
12,700.00	7,001.00	10,324.00	7,337.70	161.84	121.07	95.46	-2,465.53	-5,558.19	3,654.12	3,411.64	242.48	15.070						
12,800.00	7,001.00	10,324.00	7,337.70	163.58	121.07	95.46	-2,465.53	-5,558.19	3,656.63	3,414.92	241.71	15.128						
12,900.00	7,001.00	10,550.91	7,339.85	165.35	126.76	95.49	-2,460.71	-5,785.02	3,658.61	3,404.57	254.03	14.402						
13,000.00	7,001.00	10,668.24	7,340.41	167.14	129.73	95.50	-2,460.30	-5,902.34	3,658.88	3,398.83	260.05	14.070						
13,100.00	7,001.00	10,775.95	7,338.73	168.97	132.46	95.47	-2,460.29	-6,010.04	3,658.60	3,393.07	265.53	13.778						
13,200.00	7,001.00	10,884.16	7,338.13	170.81	135.21	95.46	-2,460.46	-6,118.25	3,658.26	3,387.20	271.06	13.496						
13,300.00	7,001.00	11,080.22	7,340.87	172.68	140.23	95.51	-2,463.56	-6,314.25	3,656.90	3,375.43	281.47	12.992						
13,400.00	7,001.00	11,147.90	7,342.85	174.58	141.97	95.54	-2,465.59	-6,381.88	3,654.11	3,369.33	284.78	12.831						
13,500.00	7,001.00	11,229.26	7,344.85	176.50	144.07	95.58	-2,467.12	-6,463.20	3,652.31	3,363.46	288.85	12.644						
13,600.00	7,001.00	11,493.44	7,349.98	178.44	150.90	95.67	-2,477.56	-6,727.05	3,648.58	3,345.75	302.83	12.048						
13,700.00	7,001.00	11,567.00	7,350.66	180.41	152.81	95.69	-2,481.77	-6,800.48	3,642.81	3,336.26	306.55	11.883						
13,800.00	7,001.00	11,567.00	7,350.66	182.39	152.81	95.69	-2,481.77	-6,800.48	3,638.68	3,332.40	306.28	11.880						
13,900.00	7,001.00	11,623.95	7,349.00	184.40	154.28	95.67	-2,483.48	-6,857.37	3,635.80	3,326.77	309.03	11.765						
13,997.26	7,001.00	11,663.00	7,346.83	186.37	155.28	95.63	-2,483.34	-6,896.36	3,635.22	3,324.48	310.74	11.698						
14,000.00	7,001.00	11,663.00	7,346.83	186.43	155.28	95.63	-2,483.34	-6,896.36	3,635.22	3,324.49	310.73	11.699						
14,100.00	7,001.00	11,694.44	7,344.86	188.48	156.09	95.60	-2,482.64	-6,927.73	3,636.40	3,324.48	311.92	11.658						
14,200.00	7,001.00	11,759.00	7,341.59	190.54	157.75	95.55	-2,480.26	-6,992.16	3,639.24	3,324.24	315.00	11.553						
14,300.00	7,001.00	11,759.00	7,341.59	192.63	157.75	95.55	-2,480.26	-6,992.16	3,643.57	3,329.43	314.14	11.599						
14,400.00	7,001.00	11,811.67	7,339.71	194.73	159.10	95.51	-2,477.07	-7,044.70	3,649.50	3,333.10	316.40	11.534						
14,500.00	7,001.00	11,854.00	7,338.72	196.85	160.19	95.49	-2,473.45	-7,086.86	3,657.44	3,339.47	317.97	11.502						
14,600.00	7,001.00	12,083.39	7,343.80	198.99	166.12	95.55	-2,458.97	-7,315.68	3,663.24	3,332.01	331.24	11.059						
14,700.00	7,001.00	12,759.51	7,356.21	201.14	183.82	95.78	-2,480.21	-7,990.04	3,658.63	3,291.00	367.64	9.952						
14,800.00	7,001.00	12,805.00	7,356.94	203.31	185.02	95.80	-2,484.62	-8,035.31	3,648.85	3,278.64	370.20	9.856						
14,900.00	7,001.00	12,805.00	7,356.94	205.50	185.02	95.80	-2,484.62	-8,035.31	3,641.02	3,270.60	370.41	9.830						
15,000.00	7,001.00	12,855.05	7,356.62	207.70	186.33	95.80	-2,487.96	-8,085.24	3,634.71	3,261.67	373.04	9.744						
15,100.00	7,001.00	12,901.00	7,355.85	209.91	187.54	95.79	-2,489.43	-8,131.16	3,630.74	3,255.36	375.38	9.672						
15,200.00	7,001.00	12,933.63	7,355.15	212.14	188.40	95.78	-2,489.92	-8,163.77	3,628.34	3,251.41	376.93	9.626						

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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										
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	Warning			
15,300.00	7,001.00	13,020.07	7,353.46	214.38	190.68	95.75	-2,491.00	-8,250.20	3,626.76	3,245.34	381.42	9.509				
15,400.00	7,001.00	13,092.00	7,351.94	216.64	192.57	95.73	-2,491.63	-8,322.11	3,625.60	3,240.51	385.09	9.415				
15,465.99	7,001.00	13,122.18	7,351.20	218.13	193.37	95.72	-2,491.62	-8,352.27	3,625.45	3,238.95	386.51	9.380				
15,500.00	7,001.00	13,134.58	7,350.87	218.90	193.70	95.71	-2,491.49	-8,364.67	3,625.68	3,238.64	387.04	9.368				
15,600.00	7,001.00	13,187.00	7,349.28	221.18	195.08	95.69	-2,490.08	-8,417.05	3,627.63	3,238.13	389.50	9.314				
15,700.00	7,001.00	13,278.22	7,346.54	223.47	197.47	95.64	-2,486.93	-8,508.17	3,630.59	3,236.33	394.25	9.209				
15,800.00	7,001.00	13,415.43	7,343.14	225.78	201.09	95.58	-2,484.51	-8,645.32	3,631.72	3,229.97	401.75	9.040				
15,900.00	7,001.00	13,473.00	7,341.37	228.09	202.61	95.55	-2,482.95	-8,702.84	3,633.91	3,229.40	404.51	8.983				
16,000.00	7,001.00	13,543.52	7,338.29	230.41	204.47	95.50	-2,480.25	-8,773.24	3,637.12	3,229.10	408.02	8.914				
16,100.00	7,001.00	13,705.15	7,327.69	232.75	208.72	95.32	-2,474.38	-8,934.41	3,640.12	3,223.09	417.04	8.729				
16,200.00	7,001.00	13,810.33	7,320.02	235.09	211.49	95.20	-2,472.08	-9,039.28	3,641.49	3,218.83	422.65	8.616				
16,300.00	7,001.00	13,929.53	7,311.14	237.45	214.63	95.06	-2,469.40	-9,158.12	3,642.94	3,213.84	429.09	8.490				
16,400.00	7,001.00	14,112.75	7,294.75	239.81	219.46	94.80	-2,467.62	-9,340.58	3,643.04	3,203.87	439.18	8.295				
16,500.00	7,001.00	14,292.60	7,279.08	242.18	224.21	94.56	-2,470.47	-9,519.72	3,640.42	3,191.56	448.87	8.110				
16,600.00	7,001.00	14,385.62	7,271.38	244.56	226.67	94.44	-2,472.85	-9,612.39	3,637.08	3,183.28	453.80	8.015				
16,700.00	7,001.00	14,482.05	7,260.92	246.95	229.21	94.28	-2,474.71	-9,708.23	3,634.18	3,175.26	458.92	7.919				
16,800.00	7,001.00	14,635.19	7,243.83	249.35	233.25	94.01	-2,478.74	-9,860.36	3,630.65	3,163.60	467.05	7.774				
16,900.00	7,001.00	14,746.92	7,229.84	251.75	236.18	93.80	-2,482.87	-9,971.13	3,625.93	3,152.97	472.96	7.666				
17,000.00	7,001.00	14,835.44	7,218.20	254.17	238.51	93.62	-2,485.91	-10,058.83	3,621.46	3,143.79	477.67	7.582				
17,100.00	7,001.00	14,948.25	7,203.47	256.59	241.47	93.39	-2,489.98	-10,170.60	3,616.89	3,133.26	483.63	7.479				
17,200.00	7,001.00	15,037.09	7,192.22	259.01	243.81	93.21	-2,493.36	-10,258.66	3,612.20	3,123.84	488.36	7.397				
17,300.00	7,001.00	15,190.00	7,180.55	261.45	247.87	93.03	-2,499.64	-10,410.96	3,607.78	3,111.39	496.39	7.268				
17,400.00	7,001.00	15,230.27	7,178.75	263.89	248.94	93.01	-2,501.61	-10,451.14	3,602.66	3,104.01	498.65	7.225				
17,500.00	7,001.00	15,285.00	7,176.65	266.34	250.40	92.97	-2,502.94	-10,505.81	3,599.53	3,097.96	501.58	7.176				
17,600.00	7,001.00	15,333.32	7,175.03	268.79	251.69	92.95	-2,503.47	-10,554.10	3,597.70	3,093.62	504.08	7.137				
17,700.00	7,001.00	15,450.05	7,171.44	271.25	254.81	92.89	-2,505.15	-10,670.77	3,595.97	3,085.61	510.36	7.046				
17,800.00	7,001.00	15,547.00	7,168.00	273.72	257.41	92.84	-2,506.77	-10,767.64	3,593.99	3,078.45	515.54	6.971				
17,900.00	7,001.00	15,605.00	7,165.71	276.19	258.96	92.80	-2,507.67	-10,825.59	3,592.36	3,073.83	518.53	6.928				
17,925.61	7,001.00	15,605.00	7,165.71	276.82	258.96	92.80	-2,507.67	-10,825.59	3,592.27	3,073.84	518.42	6.929				
18,000.00	7,001.00	15,605.00	7,165.71	278.67	258.96	92.80	-2,507.67	-10,825.59	3,593.04	3,075.06	517.98	6.937				
18,100.00	7,001.00	15,605.00	7,165.71	281.15	258.96	92.80	-2,507.67	-10,825.59	3,596.50	3,079.44	517.06	6.956				
18,200.00	7,001.00	15,605.00	7,165.71	283.64	258.96	92.80	-2,507.67	-10,825.59	3,602.75	3,086.99	515.76	6.985				
18,300.00	7,001.00	15,605.00	7,165.71	286.15	258.96	92.82	-2,507.67	-10,825.59	3,613.89	3,099.78	514.11	7.029				
18,400.00	7,001.00	15,605.00	7,165.71	288.68	258.96	92.83	-2,507.67	-10,825.59	3,631.19	3,119.08	512.11	7.091				
18,500.00	7,001.00	15,605.00	7,165.71	291.24	258.96	92.84	-2,507.67	-10,825.59	3,653.87	3,144.08	509.79	7.167				
18,600.00	7,001.00	15,605.00	7,165.71	293.80	258.96	92.84	-2,507.67	-10,825.59	3,679.36	3,172.19	507.17	7.255				
18,700.00	7,001.00	15,605.00	7,165.71	296.36	258.96	92.84	-2,507.67	-10,825.59	3,707.37	3,203.10	504.27	7.352				
18,800.00	7,001.00	15,605.00	7,165.71	298.93	258.96	92.84	-2,507.67	-10,825.59	3,737.85	3,236.75	501.10	7.459				
18,900.00	7,001.00	15,605.00	7,165.71	301.50	258.96	92.84	-2,507.67	-10,825.59	3,770.73	3,273.05	497.68	7.577				
19,000.00	7,001.00	15,605.00	7,165.71	304.07	258.96	92.84	-2,507.67	-10,825.59	3,805.96	3,311.92	494.04	7.704				
19,100.00	7,001.00	15,605.00	7,165.71	306.65	258.96	92.84	-2,507.67	-10,825.59	3,843.47	3,353.27	490.20	7.841				
19,200.00	7,001.00	15,605.00	7,165.71	309.23	258.96	92.84	-2,507.67	-10,825.59	3,883.19	3,397.01	486.18	7.987				
19,300.00	7,001.00	15,605.00	7,165.71	311.81	258.96	92.84	-2,507.67	-10,825.59	3,925.06	3,443.07	481.99	8.143				
19,400.00	7,001.00	15,605.00	7,165.71	314.39	258.96	92.84	-2,507.67	-10,825.59	3,969.00	3,491.34	477.66	8.309				
19,500.00	7,001.00	15,605.00	7,165.71	316.97	258.96	92.84	-2,507.67	-10,825.59	4,014.96	3,541.75	473.21	8.485				
19,600.00	7,001.00	15,605.00	7,165.71	319.56	258.96	92.84	-2,507.67	-10,825.59	4,062.86	3,594.20	468.65	8.669				
19,700.00	7,001.00	15,605.00	7,165.71	322.15	258.96	92.84	-2,507.67	-10,825.59	4,112.63	3,648.62	464.01	8.863				
19,800.00	7,001.00	15,605.00	7,165.71	324.74	258.96	92.84	-2,507.67	-10,825.59	4,164.21	3,704.91	459.30	9.066				
19,900.00	7,001.00	15,605.00	7,165.71	327.33	258.96	92.82	-2,507.67	-10,825.59	4,217.41	3,762.88	454.53	9.279				
20,000.00	7,001.00	15,605.00	7,165.71	329.92	258.96	92.76	-2,507.67	-10,825.59	4,270.13	3,820.48	449.65	9.497				
20,100.00	7,001.00	15,605.00	7,165.71	332.49	258.96	92.71	-2,507.67	-10,825.59	4,321.58	3,876.95	444.62	9.720				
20,200.00	7,001.00	15,605.00	7,165.71	335.04	258.96	92.69	-2,507.67	-10,825.59	4,372.52	3,933.03	439.49	9.949				

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	
20,300.00	7,001.00	15,605.00	7,165.71	337.60	258.96	92.69	-2,507.67	-10,825.59	4,425.02	3,990.69	434.33	10.188	
20,400.00	7,001.00	15,605.00	7,165.71	340.16	258.96	92.69	-2,507.67	-10,825.59	4,479.15	4,049.99	429.15	10.437	
20,500.00	7,001.00	15,605.00	7,165.71	342.72	258.96	92.69	-2,507.67	-10,825.59	4,534.83	4,110.85	423.98	10.696	
20,600.00	7,001.00	15,605.00	7,165.71	345.29	258.96	92.69	-2,507.67	-10,825.59	4,592.01	4,173.21	418.80	10.965	
20,700.00	7,001.00	15,605.00	7,165.71	347.86	258.96	92.69	-2,507.67	-10,825.59	4,650.65	4,237.00	413.65	11.243	
20,800.00	7,001.00	15,605.00	7,165.71	350.43	258.96	92.69	-2,507.67	-10,825.59	4,710.67	4,302.15	408.52	11.531	
20,900.00	7,001.00	15,605.00	7,165.71	353.00	258.96	92.69	-2,507.67	-10,825.59	4,772.04	4,368.62	403.42	11.829	
21,000.00	7,001.00	15,605.00	7,165.71	355.58	258.96	92.69	-2,507.67	-10,825.59	4,834.69	4,436.33	398.37	12.136	
21,100.00	7,001.00	15,605.00	7,165.71	358.16	258.96	92.69	-2,507.67	-10,825.59	4,898.59	4,505.23	393.36	12.453	
21,121.77	7,001.00	15,605.00	7,165.71	358.72	258.96	92.69	-2,507.67	-10,825.59	4,912.66	4,520.38	392.28	12.523	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	116.59	116.56	0.27	0.18	-167.15	-1,318.96	-300.99	1,353.17	1,352.73	0.44	3,063.186		
200.00	200.00	225.00	224.91	0.63	0.53	-167.15	-1,315.83	-300.04	1,350.11	1,348.96	1.15	1,170.234		
300.00	300.00	300.10	300.00	0.99	0.79	-167.16	-1,314.76	-299.78	1,348.55	1,346.78	1.78	758.235		
400.00	399.98	382.88	382.78	1.33	1.08	-12.52	-1,314.47	-300.11	1,346.60	1,344.19	2.41	558.932		
500.00	499.84	470.69	470.59	1.67	1.38	-12.55	-1,315.13	-300.84	1,342.40	1,339.35	3.05	440.230		
600.00	599.45	563.11	563.00	2.03	1.70	-12.64	-1,316.46	-301.60	1,335.47	1,331.75	3.72	359.376		
700.00	698.70	676.55	676.41	2.41	2.09	-12.78	-1,318.03	-302.88	1,325.21	1,320.74	4.47	296.389		
800.00	797.47	790.34	790.20	2.81	2.49	-13.00	-1,318.08	-303.30	1,310.06	1,304.82	5.24	250.151		
900.00	895.62	879.97	879.83	3.25	2.81	-13.23	-1,317.84	-304.07	1,291.39	1,285.47	5.92	218.033		
1,000.00	993.06	963.45	963.29	3.72	3.11	-13.46	-1,318.21	-305.59	1,270.28	1,263.68	6.59	192.636		
1,100.00	1,089.64	1,043.05	1,042.84	4.23	3.39	-13.68	-1,319.28	-308.36	1,247.08	1,239.82	7.26	171.775		
1,200.00	1,185.27	1,121.86	1,121.49	4.78	3.67	-13.87	-1,321.14	-312.99	1,222.02	1,214.08	7.93	154.052		
1,300.00	1,279.82	1,198.74	1,198.13	5.38	3.95	-14.07	-1,323.89	-318.35	1,195.09	1,186.48	8.61	138.819		
1,400.00	1,373.17	1,272.00	1,271.00	6.03	4.23	-14.26	-1,327.64	-324.86	1,166.72	1,157.43	9.28	125.674		
1,500.00	1,465.21	1,343.40	1,341.77	6.72	4.50	-14.41	-1,332.37	-333.02	1,137.02	1,127.05	9.97	114.075		
1,600.00	1,555.84	1,418.96	1,416.32	7.47	4.80	-14.50	-1,338.38	-343.74	1,105.92	1,095.24	10.68	103.521		
1,700.00	1,644.94	1,504.64	1,500.51	8.27	5.15	-14.55	-1,346.09	-357.63	1,073.00	1,061.54	11.46	93.670		
1,800.00	1,732.39	1,610.03	1,604.15	9.12	5.59	-14.66	-1,355.41	-374.36	1,036.74	1,024.41	12.32	84.141		
1,900.00	1,818.11	1,705.34	1,697.51	10.02	6.01	-14.65	-1,361.82	-392.40	996.04	982.87	13.17	75.644		
2,000.00	1,901.97	1,763.00	1,753.33	10.98	6.28	-14.56	-1,365.42	-406.34	953.38	939.49	13.89	68.644		
2,100.00	1,983.88	1,829.39	1,816.99	11.98	6.62	-14.32	-1,371.11	-424.30	910.31	895.64	14.67	62.060		
2,200.00	2,063.74	1,890.48	1,875.10	13.04	6.94	-14.13	-1,378.88	-441.44	867.82	852.39	15.44	56.218		
2,300.00	2,141.45	1,960.73	1,941.56	14.14	7.33	-13.87	-1,389.51	-461.59	824.73	808.47	16.26	50.733		
2,400.00	2,216.92	2,039.92	2,015.91	15.30	7.80	-13.46	-1,402.51	-485.54	780.22	763.09	17.13	45.544		
2,500.00	2,290.05	2,111.61	2,082.45	16.50	8.25	-12.95	-1,414.87	-509.16	734.28	716.29	17.99	40.826		
2,600.00	2,360.76	2,187.24	2,151.45	17.76	8.77	-12.09	-1,428.62	-536.88	687.38	668.52	18.86	36.439		
2,700.00	2,428.95	2,262.04	2,218.22	19.05	9.33	-10.77	-1,441.86	-567.88	638.98	619.25	19.73	32.390		
2,800.00	2,494.55	2,335.00	2,281.90	20.39	9.92	-9.02	-1,455.58	-600.72	590.28	569.72	20.56	28.704		
2,900.00	2,557.49	2,391.29	2,329.98	21.78	10.43	-7.37	-1,467.47	-627.47	542.23	520.95	21.28	25.480		
3,000.00	2,619.27	2,465.39	2,391.97	23.18	11.12	-4.62	-1,485.24	-663.95	497.28	475.24	22.04	22.559		
3,100.00	2,681.04	2,551.88	2,464.85	24.60	11.95	-1.06	-1,506.42	-705.44	453.70	430.79	22.91	19.807		
3,200.00	2,742.82	2,628.16	2,528.25	26.02	12.71	2.77	-1,525.56	-743.29	413.45	389.76	23.69	17.452		
3,300.00	2,804.59	2,716.00	2,601.34	27.44	13.61	7.86	-1,547.85	-786.60	375.87	351.11	24.76	15.181		
3,400.00	2,866.37	2,798.09	2,669.71	28.87	14.46	13.27	-1,569.61	-826.49	342.10	316.06	26.04	13.138		
3,500.00	2,928.15	2,883.51	2,740.03	30.30	15.37	19.68	-1,593.74	-868.53	314.26	286.36	27.90	11.265		
3,600.00	2,989.92	2,979.84	2,819.93	31.73	16.39	27.79	-1,621.32	-914.73	290.93	260.06	30.88	9.422		
3,700.00	3,051.70	3,079.11	2,904.38	33.17	17.39	37.11	-1,649.17	-958.85	270.50	235.50	34.99	7.730		
3,800.00	3,113.47	3,168.47	2,981.92	34.61	18.26	46.70	-1,672.39	-996.70	255.11	215.17	39.94	6.388		
3,878.96	3,162.25	3,229.15	3,034.78	35.74	18.86	54.10	-1,685.77	-1,023.30	250.44	206.34	44.09	5.680 CC		
3,900.00	3,175.25	3,244.18	3,047.77	36.05	19.01	55.99	-1,688.86	-1,030.20	250.79	205.64	45.16	5.554 ES		
4,000.00	3,237.03	3,317.46	3,110.30	37.49	19.77	65.15	-1,703.00	-1,065.68	262.05	212.18	49.88	5.254 SF		
4,100.00	3,298.80	3,399.49	3,179.17	38.93	20.65	74.28	-1,719.56	-1,107.05	285.66	231.65	54.00	5.290		
4,200.00	3,360.58	3,491.16	3,257.07	40.37	21.63	83.21	-1,738.21	-1,151.62	315.82	258.14	57.68	5.475		
4,300.00	3,422.35	3,570.62	3,324.81	41.82	22.46	89.80	-1,754.34	-1,189.87	351.82	291.97	59.85	5.878		
4,400.00	3,484.13	3,652.21	3,393.60	43.27	23.35	95.30	-1,771.37	-1,230.32	392.93	331.22	61.71	6.368		
4,500.00	3,545.90	3,746.88	3,473.50	44.72	24.37	100.54	-1,791.74	-1,276.82	436.43	372.50	63.94	6.826		
4,600.00	3,607.68	3,829.55	3,544.35	46.16	25.24	104.55	-1,809.68	-1,315.46	480.73	415.36	65.37	7.354		
4,700.00	3,669.46	3,906.34	3,609.64	47.61	26.07	107.62	-1,826.05	-1,352.42	527.80	461.28	66.51	7.935		
4,800.00	3,731.23	3,984.74	3,675.13	49.06	26.95	110.09	-1,842.77	-1,392.14	577.27	509.47	67.80	8.514		
4,900.00	3,793.01	4,070.45	3,745.97	50.52	27.93	112.25	-1,861.49	-1,436.61	627.72	558.23	69.49	9.033		
5,000.00	3,854.78	4,159.63	3,819.29	51.97	28.97	114.09	-1,881.72	-1,483.15	678.25	606.88	71.36	9.504		
5,100.00	3,916.56	4,246.42	3,890.61	53.42	29.99	115.63	-1,901.82	-1,528.35	728.79	655.64	73.15	9.963		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	3,978.34	4,337.15	3,965.25	54.87	31.05	117.04	-1,923.21	-1,575.29	779.22	704.14	75.09	10.378		
5,300.00	4,040.11	4,428.47	4,041.42	56.32	32.08	118.43	-1,944.74	-1,620.82	829.30	752.34	76.96	10.776		
5,400.00	4,101.89	4,524.18	4,123.96	57.78	33.07	120.09	-1,966.42	-1,664.09	878.88	800.16	78.72	11.164		
5,500.00	4,163.66	4,604.78	4,194.55	59.23	33.87	121.49	-1,984.32	-1,698.63	928.52	848.59	79.93	11.617		
5,600.00	4,225.44	4,678.88	4,258.28	60.69	34.66	122.51	-2,001.03	-1,732.54	979.16	898.09	81.07	12.078		
5,700.00	4,287.21	4,757.94	4,325.02	62.14	35.51	123.33	-2,018.72	-1,771.05	1,030.98	948.50	82.48	12.499		
5,800.00	4,348.99	4,844.12	4,399.04	63.60	36.43	124.30	-2,037.49	-1,810.97	1,082.84	998.79	84.06	12.882		
5,900.00	4,410.77	4,923.28	4,466.81	65.05	37.27	125.09	-2,054.63	-1,848.13	1,135.17	1,049.72	85.44	13.286		
6,000.00	4,472.54	5,013.10	4,542.34	66.51	38.28	125.75	-2,074.75	-1,892.36	1,187.58	1,100.29	87.29	13.605		
6,100.00	4,534.32	5,108.03	4,622.10	67.96	39.33	126.39	-2,096.60	-1,938.96	1,239.56	1,150.28	89.28	13.884		
6,200.00	4,596.09	5,196.61	4,698.10	69.42	40.28	127.10	-2,116.81	-1,979.70	1,291.09	1,200.13	90.96	14.194		
6,300.00	4,657.87	5,275.06	4,764.25	70.88	41.15	127.57	-2,135.18	-2,017.66	1,342.78	1,250.32	92.45	14.524		
6,400.00	4,719.64	5,352.56	4,828.63	72.33	42.04	127.91	-2,153.20	-2,056.87	1,395.11	1,301.10	94.01	14.841		
6,500.00	4,781.42	5,440.70	4,902.26	73.79	43.05	128.30	-2,173.35	-2,100.91	1,447.68	1,351.80	95.88	15.100		
6,600.00	4,843.20	5,540.91	4,985.78	75.25	44.18	128.70	-2,197.19	-2,150.90	1,499.49	1,401.39	98.10	15.286		
6,700.00	4,904.97	5,628.50	5,059.79	76.71	45.16	129.12	-2,218.00	-2,192.86	1,551.00	1,451.13	99.86	15.531		
6,800.00	4,966.75	5,723.29	5,140.96	78.16	46.16	129.62	-2,240.39	-2,236.38	1,602.32	1,500.59	101.73	15.751		
6,900.00	5,028.52	5,816.19	5,221.16	79.62	47.13	130.14	-2,262.94	-2,277.50	1,652.82	1,549.35	103.48	15.973		
7,000.00	5,090.30	5,870.63	5,268.06	81.08	47.70	130.42	-2,275.67	-2,302.04	1,704.33	1,600.07	104.27	16.345		
7,100.00	5,152.08	5,930.30	5,319.29	82.54	48.33	130.69	-2,288.74	-2,329.70	1,757.34	1,652.13	105.21	16.703		
7,200.00	5,213.85	5,988.00	5,369.01	83.99	48.93	130.95	-2,300.70	-2,356.41	1,811.43	1,705.34	106.09	17.074		
7,300.00	5,275.63	6,049.34	5,422.06	85.45	49.57	131.22	-2,312.61	-2,384.82	1,866.65	1,759.59	107.06	17.435		
7,400.00	5,337.40	6,127.47	5,489.61	86.91	50.40	131.54	-2,326.85	-2,421.39	1,922.91	1,814.39	108.52	17.719		
7,500.00	5,399.18	6,210.13	5,560.00	88.37	51.30	131.79	-2,342.77	-2,461.71	1,978.68	1,868.48	110.20	17.956		
7,600.00	5,460.95	6,275.00	5,614.61	89.83	52.02	131.93	-2,354.71	-2,494.61	2,035.36	1,923.94	111.42	18.267		
7,700.00	5,522.73	6,348.14	5,679.30	91.29	54.38	132.37	-2,400.53	-2,598.31	2,088.21	1,971.51	116.70	17.894		
7,800.00	5,584.51	6,426.00	5,744.05	92.75	55.25	132.56	-2,419.04	-2,635.67	2,140.14	2,021.88	118.26	18.097		
7,900.00	5,646.28	6,503.00	5,818.80	94.20	56.40	132.80	-2,444.11	-2,685.62	2,191.88	2,071.39	120.49	18.191		
8,000.00	5,708.06	6,580.00	5,893.55	95.66	57.36	132.95	-2,464.94	-2,726.83	2,243.26	2,121.00	122.26	18.348		
8,100.00	5,769.83	6,657.00	5,968.30	97.12	58.32	133.36	-2,512.55	-2,810.49	2,292.64	2,166.43	126.20	18.166		
8,200.00	5,831.61	6,734.00	6,043.05	98.58	59.28	133.44	-2,525.83	-2,833.14	2,341.05	2,213.96	127.08	18.421		
8,300.00	5,893.39	6,811.00	6,117.80	100.04	60.54	133.55	-2,540.93	-2,861.75	2,391.55	2,263.31	128.23	18.650		
8,400.00	5,955.16	6,888.00	6,192.55	101.50	60.54	133.55	-2,540.93	-2,861.75	2,443.38	2,315.53	127.85	19.111		
8,500.00	6,016.94	6,965.00	6,267.30	102.96	61.23	133.68	-2,555.28	-2,892.06	2,496.66	2,367.63	129.03	19.349		
8,600.00	6,078.71	7,042.00	6,342.05	104.42	62.30	133.91	-2,576.24	-2,938.74	2,551.03	2,419.94	131.09	19.460		
8,700.00	6,140.49	7,119.00	6,416.80	105.88	63.56	134.13	-2,602.59	-2,993.37	2,603.84	2,470.26	133.58	19.493		
8,800.00	6,202.26	7,196.00	6,491.55	107.34	64.25	134.24	-2,617.22	-3,023.78	2,656.65	2,521.87	134.78	19.711		
8,900.00	6,264.04	7,273.00	6,566.30	108.80	64.65	134.31	-2,625.33	-3,040.93	2,710.35	2,575.07	135.28	20.035		
9,000.00	6,325.82	7,350.00	6,641.05	110.26	65.38	134.44	-2,639.44	-3,072.63	2,764.86	2,628.32	136.54	20.249		
9,100.00	6,387.59	7,427.00	6,715.80	111.72	66.27	134.55	-2,655.47	-3,112.10	2,820.37	2,682.15	138.22	20.405		
9,200.00	6,449.37	7,504.00	6,790.55	113.18	67.27	134.57	-2,672.77	-3,155.50	2,875.40	2,735.27	140.12	20.521		
9,300.00	6,511.14	7,581.00	6,865.30	114.64	68.00	134.47	-2,684.52	-3,188.86	2,931.02	2,789.60	141.42	20.725		
9,400.00	6,572.92	7,658.00	6,940.05	116.10	68.63	134.33	-2,692.95	-3,215.80	2,987.62	2,845.21	142.42	20.978		
9,500.00	6,634.70	7,735.00	7,014.80	117.56	69.46	134.06	-2,703.29	-3,253.90	3,045.52	2,901.59	143.93	21.159		
9,600.00	6,696.47	7,812.00	7,089.55	119.02	69.46	134.06	-2,703.29	-3,253.90	3,104.59	2,961.23	143.37	21.655		
9,700.00	6,758.22	7,889.00	7,164.30	120.48	70.47	132.11	-2,713.50	-3,298.05	3,164.57	3,019.35	145.22	21.791		
9,800.00	6,819.99	7,966.00	7,239.05	121.94	71.15	119.32	-2,719.88	-3,329.72	3,221.28	3,075.08	146.20	22.033		
9,900.00	6,881.77	8,043.00	7,313.80	123.40	71.81	109.21	-2,725.19	-3,358.97	3,270.45	3,123.53	146.92	22.260		
10,000.00	6,943.54	8,120.00	7,388.55	124.86	72.98	101.57	-2,733.42	-3,411.83	3,310.97	3,162.18	148.79	22.253		
10,100.00	6,953.01	8,197.00	7,463.30	126.32	72.98	96.10	-2,733.42	-3,411.83	3,341.37	3,193.76	147.61	22.636		
10,200.00	6,979.94	8,274.00	7,538.05	127.78	74.26	92.66	-2,740.71	-3,469.37	3,361.00	3,211.38	149.61	22.464		
10,300.00	6,996.09	8,351.00	7,612.80	129.24	74.92	90.92	-2,743.98	-3,499.91	3,369.59	3,219.57	150.02	22.460		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	7,001.00	8,154.84	7,047.05	130.45	76.30	90.99	-2,749.67	-3,562.22	3,366.60	3,214.33	152.27	22.110		
10,500.00	7,001.00	8,184.00	7,055.72	131.44	76.91	91.14	-2,751.84	-3,589.98	3,359.71	3,207.17	152.54	22.026		
10,600.00	7,001.00	8,249.40	7,070.83	132.48	78.30	91.40	-2,755.72	-3,653.45	3,354.21	3,199.36	154.85	21.661		
10,700.00	7,001.00	8,280.00	7,075.07	133.54	78.95	91.47	-2,757.01	-3,683.72	3,350.53	3,195.31	155.22	21.586		
10,800.00	7,001.00	8,342.90	7,080.43	134.64	80.30	91.56	-2,758.61	-3,746.36	3,348.26	3,190.81	157.45	21.265		
10,900.00	7,001.00	8,481.70	7,082.52	135.77	83.29	91.60	-2,760.24	-3,885.09	3,347.26	3,183.20	164.06	20.402		
11,000.00	7,001.00	8,566.00	7,080.07	136.94	85.13	91.56	-2,762.21	-3,969.33	3,344.75	3,177.17	167.58	19.960		
11,100.00	7,001.00	8,626.96	7,078.02	138.14	86.47	91.53	-2,763.19	-4,030.25	3,343.05	3,173.27	169.78	19.691		
11,164.00	7,001.00	8,661.00	7,077.01	138.93	87.22	91.51	-2,763.24	-4,064.27	3,342.79	3,171.89	170.90	19.560		
11,200.00	7,001.00	8,693.05	7,076.03	139.38	87.93	91.49	-2,763.13	-4,096.30	3,342.83	3,170.54	172.29	19.402		
11,300.00	7,001.00	8,779.84	7,072.61	140.65	89.86	91.43	-2,762.81	-4,183.03	3,343.00	3,166.94	176.06	18.988		
11,400.00	7,001.00	8,852.00	7,071.43	141.95	91.48	91.41	-2,761.77	-4,255.17	3,344.16	3,165.16	179.00	18.682		
11,500.00	7,001.00	8,940.65	7,070.94	143.29	93.48	91.40	-2,760.00	-4,343.80	3,345.97	3,162.99	182.97	18.287		
11,600.00	7,001.00	9,120.73	7,067.83	144.66	97.63	91.35	-2,759.51	-4,523.84	3,345.75	3,153.28	192.48	17.383		
11,700.00	7,001.00	9,225.64	7,068.24	146.06	100.09	91.36	-2,760.19	-4,628.74	3,344.97	3,147.44	197.53	16.934		
11,800.00	7,001.00	9,347.51	7,067.33	147.50	102.97	91.34	-2,761.65	-4,750.60	3,343.58	3,139.96	203.63	16.420		
11,900.00	7,001.00	9,425.00	7,066.14	148.97	104.82	91.32	-2,762.20	-4,828.08	3,342.64	3,135.55	207.09	16.141		
12,000.00	7,001.00	9,529.22	7,063.97	150.47	107.31	91.29	-2,762.64	-4,932.28	3,342.04	3,129.85	212.18	15.751		
12,100.00	7,001.00	9,631.84	7,064.85	152.00	109.79	91.30	-2,763.61	-5,034.88	3,340.98	3,123.75	217.23	15.380		
12,200.00	7,001.00	9,712.00	7,066.47	153.57	111.74	91.33	-2,764.09	-5,115.02	3,340.28	3,119.34	220.94	15.118		
12,300.00	7,001.00	9,804.45	7,067.40	155.16	113.99	91.34	-2,764.24	-5,207.47	3,340.00	3,114.57	225.42	14.817		
12,400.00	7,001.00	10,005.44	7,066.32	156.79	118.94	91.33	-2,768.31	-5,408.40	3,337.37	3,100.90	236.47	14.113		
12,500.00	7,001.00	10,070.41	7,064.64	158.44	120.55	91.30	-2,769.89	-5,473.33	3,334.71	3,095.37	239.34	13.933		
12,600.00	7,001.00	10,152.50	7,062.34	160.13	122.58	91.26	-2,771.23	-5,555.37	3,332.86	3,089.62	243.24	13.702		
12,700.00	7,001.00	10,249.05	7,062.10	161.84	124.99	91.26	-2,772.60	-5,651.90	3,331.31	3,083.26	248.05	13.430		
12,800.00	7,001.00	10,338.73	7,060.69	163.58	127.23	91.23	-2,773.76	-5,741.57	3,329.85	3,077.40	252.45	13.190		
12,883.49	7,001.00	10,381.00	7,059.61	165.05	128.28	91.22	-2,774.14	-5,783.82	3,329.13	3,075.00	254.13	13.100		
12,900.00	7,001.00	10,381.00	7,059.61	165.35	128.28	91.22	-2,774.14	-5,783.82	3,329.17	3,075.23	253.94	13.110		
13,000.00	7,001.00	10,476.00	7,058.67	167.14	130.66	91.20	-2,773.39	-5,878.81	3,329.80	3,071.12	258.69	12.872		
13,100.00	7,001.00	10,525.72	7,058.89	168.97	131.90	91.20	-2,772.23	-5,928.51	3,331.60	3,070.99	260.61	12.784		
13,200.00	7,001.00	10,619.37	7,058.06	170.81	134.25	91.19	-2,770.06	-6,022.14	3,333.77	3,068.46	265.30	12.566		
13,300.00	7,001.00	10,794.86	7,057.86	172.68	138.68	91.18	-2,767.30	-6,197.56	3,335.37	3,060.21	275.15	12.122		
13,400.00	7,001.00	10,937.93	7,061.66	174.58	142.33	91.25	-2,767.54	-6,340.57	3,335.25	3,052.31	282.95	11.788		
13,500.00	7,001.00	11,021.09	7,063.22	176.50	144.45	91.28	-2,768.41	-6,423.71	3,334.14	3,047.09	287.06	11.615		
13,577.19	7,001.00	11,074.88	7,063.54	178.00	145.83	91.28	-2,768.55	-6,477.50	3,333.86	3,044.28	289.59	11.512		
13,600.00	7,001.00	11,090.17	7,063.52	178.44	146.22	91.28	-2,768.51	-6,492.79	3,333.89	3,043.59	290.29	11.484		
13,700.00	7,001.00	11,165.60	7,062.61	180.41	148.14	91.26	-2,767.83	-6,568.21	3,334.59	3,040.67	293.91	11.345		
13,800.00	7,001.00	11,386.01	7,062.52	182.39	153.81	91.26	-2,769.66	-6,788.51	3,333.47	3,027.00	306.47	10.877		
13,900.00	7,001.00	11,470.65	7,063.98	184.40	156.00	91.29	-2,771.47	-6,873.11	3,331.20	3,020.48	310.73	10.721		
14,000.00	7,001.00	11,563.87	7,063.49	186.43	158.40	91.28	-2,773.43	-6,966.31	3,328.96	3,013.46	315.50	10.551		
14,100.00	7,001.00	11,658.51	7,061.37	188.48	160.85	91.25	-2,774.78	-7,060.92	3,327.33	3,006.97	320.36	10.386		
14,200.00	7,001.00	11,784.49	7,063.92	190.54	164.13	91.29	-2,777.77	-7,186.83	3,324.80	2,997.66	327.14	10.163		
14,300.00	7,001.00	11,888.74	7,066.59	192.63	166.84	91.34	-2,780.43	-7,291.01	3,322.18	2,989.56	332.62	9.988		
14,400.00	7,001.00	12,005.00	7,069.76	194.73	169.87	91.40	-2,784.52	-7,407.15	3,318.49	2,979.68	338.81	9.794		
14,500.00	7,001.00	12,057.39	7,070.88	196.85	171.24	91.42	-2,786.19	-7,459.51	3,315.58	2,974.40	341.18	9.718		
14,600.00	7,001.00	12,138.59	7,071.32	198.99	173.36	91.42	-2,786.78	-7,540.69	3,314.61	2,969.34	345.26	9.600		
14,700.00	7,001.00	12,339.30	7,071.08	201.14	178.61	91.42	-2,793.04	-7,741.28	3,310.83	2,954.30	356.53	9.286		
14,800.00	7,001.00	12,412.31	7,069.66	203.31	180.52	91.40	-2,795.77	-7,814.23	3,306.92	2,946.74	360.18	9.181		
14,900.00	7,001.00	12,481.00	7,069.56	205.50	182.32	91.40	-2,797.64	-7,882.89	3,304.03	2,940.47	363.55	9.088		
15,000.00	7,001.00	12,522.26	7,070.02	207.70	183.40	91.41	-2,798.21	-7,924.14	3,302.46	2,937.24	365.23	9.042		
15,042.91	7,001.00	12,541.40	7,070.23	208.65	183.90	91.41	-2,798.26	-7,943.28	3,302.31	2,936.31	366.00	9.023		
15,100.00	7,001.00	12,577.00	7,070.61	209.91	184.83	91.42	-2,797.98	-7,978.88	3,302.62	2,934.96	367.66	8.983		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
15,200.00	7,001.00	12,616.78	7,071.10	212.14	185.87	91.42	-2,797.18	-8,018.64	3,304.32	2,935.26	369.06	8.953					
15,300.00	7,001.00	12,672.00	7,072.05	214.38	187.32	91.44	-2,795.33	-8,073.82	3,307.53	2,936.13	371.39	8.906					
15,400.00	7,001.00	12,866.39	7,075.16	216.64	192.41	91.49	-2,789.89	-8,268.10	3,310.52	2,927.68	382.83	8.647					
15,500.00	7,001.00	12,920.29	7,076.34	218.90	193.82	91.51	-2,788.89	-8,321.99	3,312.24	2,927.08	385.16	8.600					
15,600.00	7,001.00	13,003.05	7,077.95	221.18	196.00	91.54	-2,786.40	-8,404.69	3,315.12	2,925.78	389.33	8.515					
15,700.00	7,001.00	13,144.07	7,081.25	223.47	199.71	91.59	-2,783.04	-8,545.62	3,317.44	2,920.14	397.30	8.350					
15,800.00	7,001.00	13,227.38	7,081.98	225.78	201.90	91.61	-2,781.39	-8,628.91	3,319.32	2,917.79	401.53	8.267					
15,900.00	7,001.00	13,409.07	7,075.98	228.09	206.68	91.50	-2,779.25	-8,810.48	3,320.29	2,908.30	411.98	8.059					
16,000.00	7,001.00	13,514.55	7,070.76	230.41	209.46	91.41	-2,779.51	-8,915.83	3,319.77	2,902.17	417.61	7.950					
16,100.00	7,001.00	13,665.71	7,061.46	232.75	213.45	91.25	-2,781.13	-9,066.69	3,318.36	2,892.37	425.98	7.790					
16,200.00	7,001.00	13,764.28	7,054.22	235.09	216.05	91.13	-2,782.81	-9,164.98	3,316.37	2,885.20	431.17	7.692					
16,300.00	7,001.00	13,839.95	7,049.46	237.45	218.04	91.05	-2,783.97	-9,240.49	3,314.62	2,879.63	434.99	7.620					
16,400.00	7,001.00	13,953.52	7,041.36	239.81	221.04	90.91	-2,784.51	-9,353.76	3,313.98	2,872.89	441.08	7.513					
16,500.00	7,001.00	14,148.32	7,027.35	242.18	226.19	90.66	-2,791.63	-9,547.90	3,309.26	2,857.39	451.87	7.323					
16,600.00	7,001.00	14,266.53	7,016.67	244.56	229.30	90.48	-2,796.26	-9,665.53	3,305.20	2,847.06	458.14	7.214					
16,700.00	7,001.00	14,378.47	7,007.31	246.95	232.26	90.32	-2,802.06	-9,776.92	3,299.78	2,835.71	464.07	7.111					
16,800.00	7,001.00	14,433.69	7,003.53	249.35	233.72	90.25	-2,804.60	-9,831.95	3,295.05	2,828.22	466.83	7.058					
16,900.00	7,001.00	14,483.00	6,999.63	251.75	235.03	90.19	-2,806.13	-9,881.09	3,291.80	2,822.63	469.17	7.016					
17,000.00	7,001.00	14,566.46	6,992.20	254.17	237.23	90.06	-2,807.87	-9,964.20	3,289.56	2,816.10	473.46	6.948					
17,100.00	7,001.00	14,735.85	6,975.04	256.59	241.70	89.76	-2,812.95	-10,132.63	3,286.32	2,803.60	482.72	6.808					
17,200.00	7,001.00	14,804.43	6,967.38	259.01	243.51	89.62	-2,815.52	-10,200.73	3,282.57	2,796.40	486.17	6.752					
17,300.00	7,001.00	14,865.00	6,961.40	261.45	245.11	89.52	-2,816.75	-10,260.99	3,280.33	2,791.23	489.10	6.707					
17,400.00	7,001.00	15,032.56	6,946.43	263.89	249.55	89.26	-2,822.01	-10,427.78	3,276.92	2,778.63	498.29	6.576					
17,500.00	7,001.00	15,103.81	6,941.87	266.34	251.44	89.17	-2,824.51	-10,498.85	3,273.39	2,771.47	501.92	6.522					
17,600.00	7,001.00	15,183.42	6,935.87	268.79	253.55	89.07	-2,826.45	-10,578.20	3,270.87	2,764.87	506.00	6.464					
17,700.00	7,001.00	15,413.46	6,911.56	271.25	259.64	88.64	-2,834.99	-10,806.76	3,268.11	2,749.64	518.47	6.303					
17,800.00	7,001.00	15,444.00	6,907.84	273.72	260.44	88.57	-2,836.95	-10,837.01	3,262.54	2,742.63	519.91	6.275					
17,900.00	7,001.00	15,444.00	6,907.84	276.19	260.44	88.57	-2,836.95	-10,837.01	3,259.88	2,740.56	519.33	6.277					
17,936.58	7,001.00	15,444.00	6,907.84	277.09	260.44	88.57	-2,836.95	-10,837.01	3,259.68	2,740.68	519.00	6.281					
18,000.00	7,001.00	15,444.00	6,907.84	278.67	260.44	88.57	-2,836.95	-10,837.01	3,260.30	2,742.02	518.28	6.291					
18,100.00	7,001.00	15,444.00	6,907.84	281.15	260.44	88.57	-2,836.95	-10,837.01	3,263.77	2,747.00	516.78	6.316					
18,200.00	7,001.00	15,444.00	6,907.84	283.64	260.44	88.57	-2,836.95	-10,837.01	3,270.33	2,755.51	514.82	6.352					
18,300.00	7,001.00	15,444.00	6,907.84	286.15	260.44	88.57	-2,836.95	-10,837.01	3,282.05	2,769.61	512.44	6.405					
18,400.00	7,001.00	15,444.00	6,907.84	288.68	260.44	88.56	-2,836.95	-10,837.01	3,300.19	2,790.54	509.65	6.475					
18,500.00	7,001.00	15,444.00	6,907.84	291.24	260.44	88.55	-2,836.95	-10,837.01	3,323.96	2,817.47	506.49	6.563					
18,600.00	7,001.00	15,444.00	6,907.84	293.80	260.44	88.55	-2,836.95	-10,837.01	3,350.78	2,847.80	502.98	6.662					
18,700.00	7,001.00	15,444.00	6,907.84	296.36	260.44	88.55	-2,836.95	-10,837.01	3,380.35	2,881.19	499.15	6.772					
18,800.00	7,001.00	15,444.00	6,907.84	298.93	260.44	88.55	-2,836.95	-10,837.01	3,412.59	2,917.56	495.03	6.894					
18,900.00	7,001.00	15,444.00	6,907.84	301.50	260.44	88.55	-2,836.95	-10,837.01	3,447.43	2,956.79	490.63	7.026					
19,000.00	7,001.00	15,444.00	6,907.84	304.07	260.44	88.55	-2,836.95	-10,837.01	3,484.79	2,998.79	486.00	7.170					
19,100.00	7,001.00	15,444.00	6,907.84	306.65	260.44	88.55	-2,836.95	-10,837.01	3,524.60	3,043.43	481.16	7.325					
19,200.00	7,001.00	15,444.00	6,907.84	309.23	260.44	88.55	-2,836.95	-10,837.01	3,566.76	3,090.62	476.14	7.491					
19,300.00	7,001.00	15,444.00	6,907.84	311.81	260.44	88.55	-2,836.95	-10,837.01	3,611.20	3,140.24	470.96	7.668					
19,400.00	7,001.00	15,444.00	6,907.84	314.39	260.44	88.55	-2,836.95	-10,837.01	3,657.84	3,192.19	465.65	7.855					
19,500.00	7,001.00	15,444.00	6,907.84	316.97	260.44	88.55	-2,836.95	-10,837.01	3,706.59	3,246.35	460.24	8.054					
19,600.00	7,001.00	15,444.00	6,907.84	319.56	260.44	88.55	-2,836.95	-10,837.01	3,757.37	3,302.62	454.75	8.263					
19,700.00	7,001.00	15,444.00	6,907.84	322.15	260.44	88.55	-2,836.95	-10,837.01	3,810.10	3,360.91	449.19	8.482					
19,800.00	7,001.00	15,444.00	6,907.84	324.74	260.44	88.55	-2,836.95	-10,837.01	3,864.69	3,421.10	443.59	8.712					
19,900.00	7,001.00	15,444.00	6,907.84	327.33	260.44	88.56	-2,836.95	-10,837.01	3,920.97	3,482.99	437.97	8.953					
20,000.00	7,001.00	15,444.00	6,907.84	329.92	260.44	88.60	-2,836.95	-10,837.01	3,976.84	3,544.60	432.24	9.200					
20,100.00	7,001.00	15,444.00	6,907.84	332.49	260.44	88.63	-2,836.95	-10,837.01	4,031.56	3,605.17	426.39	9.455					
20,200.00	7,001.00	15,444.00	6,907.84	335.04	260.44	88.64	-2,836.95	-10,837.01	4,085.86	3,665.43	420.43	9.718					

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	
20,300.00	7,001.00	15,444.00	6,907.84	337.60	260.44	88.64	-2,836.95	-10,837.01	4,141.75	3,727.28	414.48	9.993	
20,400.00	7,001.00	15,444.00	6,907.84	340.16	260.44	88.64	-2,836.95	-10,837.01	4,199.29	3,790.74	408.55	10.278	
20,500.00	7,001.00	15,444.00	6,907.84	342.72	260.44	88.64	-2,836.95	-10,837.01	4,258.39	3,855.73	402.66	10.576	
20,600.00	7,001.00	15,444.00	6,907.84	345.29	260.44	88.64	-2,836.95	-10,837.01	4,319.00	3,922.19	396.81	10.884	
20,700.00	7,001.00	15,444.00	6,907.84	347.86	260.44	88.64	-2,836.95	-10,837.01	4,381.05	3,990.04	391.02	11.204	
20,800.00	7,001.00	15,444.00	6,907.84	350.43	260.44	88.64	-2,836.95	-10,837.01	4,444.49	4,059.20	385.29	11.535	
20,900.00	7,001.00	15,444.00	6,907.84	353.00	260.44	88.64	-2,836.95	-10,837.01	4,509.26	4,129.62	379.63	11.878	
21,000.00	7,001.00	15,444.00	6,907.84	355.58	260.44	88.64	-2,836.95	-10,837.01	4,575.29	4,201.24	374.05	12.232	
21,100.00	7,001.00	15,444.00	6,907.84	358.16	260.44	88.64	-2,836.95	-10,837.01	4,642.54	4,273.98	368.56	12.597	
21,121.77	7,001.00	15,444.00	6,907.84	358.72	260.44	88.64	-2,836.95	-10,837.01	4,657.33	4,289.96	367.37	12.677	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	87.05	87.05	0.27	0.12	-168.11	-1,342.60	-282.80	1,372.06	1,371.67	0.39	3,513.322		
200.00	200.00	189.38	189.37	0.63	0.39	-168.16	-1,342.92	-281.48	1,372.10	1,371.08	1.02	1,343.380		
300.00	300.00	301.84	301.82	0.99	0.79	-168.17	-1,342.45	-281.11	1,371.64	1,369.86	1.78	771.750		
400.00	399.98	401.12	401.10	1.33	1.14	-13.55	-1,341.36	-281.09	1,368.86	1,366.39	2.47	554.099		
500.00	499.84	500.71	500.68	1.67	1.49	-13.64	-1,340.50	-280.67	1,362.85	1,359.68	3.17	430.228		
600.00	599.45	588.78	588.75	2.03	1.81	-13.79	-1,340.17	-279.81	1,353.82	1,349.99	3.83	353.352		
700.00	698.70	679.44	679.41	2.41	2.12	-13.99	-1,340.54	-279.16	1,342.23	1,337.73	4.50	298.019		
800.00	797.47	766.66	766.63	2.81	2.42	-14.19	-1,341.29	-279.60	1,327.99	1,322.82	5.16	257.185		
900.00	895.62	855.48	855.41	3.25	2.72	-14.39	-1,342.58	-281.42	1,311.27	1,305.44	5.83	224.741		
1,000.00	993.06	940.02	939.90	3.72	3.01	-14.62	-1,344.34	-283.77	1,292.00	1,285.50	6.50	198.764		
1,100.00	1,089.64	1,021.19	1,020.90	4.23	3.29	-14.78	-1,346.59	-288.45	1,270.65	1,263.48	7.16	177.344		
1,200.00	1,185.27	1,100.66	1,100.03	4.78	3.57	-14.90	-1,349.40	-295.23	1,247.26	1,239.42	7.84	159.171		
1,300.00	1,279.82	1,176.00	1,174.82	5.38	3.85	-14.98	-1,353.01	-303.52	1,222.24	1,213.73	8.51	143.698		
1,400.00	1,373.17	1,264.08	1,262.07	6.03	4.18	-15.04	-1,358.05	-314.51	1,195.14	1,185.90	9.24	129.334		
1,500.00	1,465.21	1,328.11	1,325.32	6.72	4.43	-15.13	-1,362.50	-323.33	1,166.26	1,156.36	9.90	117.787		
1,600.00	1,555.84	1,397.26	1,393.26	7.47	4.71	-15.19	-1,369.00	-334.47	1,136.82	1,126.22	10.60	107.278		
1,700.00	1,644.94	1,475.88	1,470.24	8.27	5.05	-15.23	-1,377.39	-348.06	1,105.68	1,094.33	11.35	97.425		
1,800.00	1,732.39	1,556.00	1,548.22	9.12	5.40	-15.25	-1,387.43	-363.46	1,073.37	1,061.24	12.13	88.506		
1,900.00	1,818.11	1,615.23	1,605.51	10.02	5.68	-15.31	-1,396.10	-375.71	1,039.97	1,027.13	12.84	81.010		
2,000.00	1,901.97	1,695.31	1,682.56	10.98	6.08	-15.31	-1,408.92	-393.37	1,005.25	991.59	13.66	73.588		
2,100.00	1,983.88	1,780.99	1,764.13	11.98	6.54	-15.11	-1,422.23	-415.92	967.97	953.44	14.53	66.601		
2,200.00	2,063.74	1,857.00	1,835.35	13.04	6.98	-14.76	-1,434.60	-439.41	929.31	913.93	15.38	60.406		
2,300.00	2,141.45	1,924.10	1,897.24	14.14	7.42	-14.32	-1,446.29	-462.51	889.58	873.36	16.22	54.846		
2,400.00	2,216.92	1,995.09	1,961.77	15.30	7.91	-13.68	-1,459.32	-489.07	848.76	831.67	17.08	49.679		
2,500.00	2,290.05	2,062.40	2,021.84	16.50	8.41	-12.90	-1,472.60	-516.39	807.33	789.40	17.93	45.021		
2,600.00	2,360.76	2,124.88	2,076.50	17.76	8.92	-12.02	-1,486.27	-543.38	765.99	747.24	18.75	40.850		
2,700.00	2,428.95	2,192.06	2,134.10	19.05	9.51	-10.89	-1,502.55	-573.86	724.92	705.33	19.59	37.012		
2,800.00	2,494.55	2,269.35	2,199.28	20.39	10.22	-9.34	-1,522.70	-610.20	683.62	663.16	20.46	33.405		
2,900.00	2,557.49	2,363.55	2,279.08	21.78	11.11	-7.24	-1,547.48	-653.67	639.85	618.40	21.45	29.826		
3,000.00	2,619.27	2,457.77	2,359.80	23.18	12.00	-4.81	-1,571.82	-695.73	594.44	572.04	22.41	26.531		
3,100.00	2,681.04	2,547.82	2,437.68	24.60	12.86	-2.21	-1,594.68	-734.75	548.89	525.57	23.31	23.543		
3,200.00	2,742.82	2,631.00	2,509.10	26.02	13.66	0.78	-1,615.07	-772.18	504.57	480.39	24.17	20.874		
3,300.00	2,804.59	2,715.00	2,581.30	27.44	14.49	4.35	-1,635.22	-810.08	461.46	436.38	25.09	18.394		
3,400.00	2,866.37	2,790.85	2,645.91	28.87	15.26	8.17	-1,653.77	-845.23	421.58	395.54	26.04	16.188		
3,500.00	2,928.15	2,871.07	2,712.69	30.30	16.12	13.05	-1,674.04	-884.77	387.12	359.82	27.30	14.181		
3,600.00	2,989.92	2,960.14	2,786.71	31.73	17.08	19.28	-1,696.55	-928.90	356.91	327.69	29.21	12.218		
3,700.00	3,051.70	3,053.33	2,865.10	33.17	18.07	26.63	-1,719.76	-973.64	330.28	298.28	32.00	10.320		
3,800.00	3,113.47	3,139.13	2,938.06	34.61	18.98	34.17	-1,740.89	-1,013.53	308.43	272.87	35.56	8.673		
3,900.00	3,175.25	3,222.45	3,008.24	36.05	19.86	41.96	-1,762.83	-1,052.72	295.11	255.16	39.95	7.388		
4,000.00	3,237.03	3,312.87	3,084.45	37.49	20.83	50.70	-1,787.24	-1,094.80	289.55	244.25	45.30	6.392		
4,029.82	3,255.45	3,340.49	3,107.88	37.92	21.12	53.41	-1,794.65	-1,107.42	289.25	242.25	47.00	6.154 CC		
4,100.00	3,298.80	3,405.95	3,163.78	38.93	21.80	59.87	-1,811.98	-1,136.75	290.92	239.90	51.01	5.703 ES		
4,200.00	3,360.58	3,498.86	3,244.27	40.37	22.73	68.98	-1,835.89	-1,176.50	298.65	242.24	56.40	5.295		
4,300.00	3,422.35	3,586.46	3,320.37	41.82	23.60	77.02	-1,859.03	-1,213.19	313.48	252.73	60.75	5.160 SF		
4,400.00	3,484.13	3,671.00	3,393.29	43.27	24.45	83.92	-1,882.31	-1,249.08	335.22	271.16	64.07	5.232		
4,500.00	3,545.90	3,747.94	3,458.87	44.72	25.26	89.39	-1,903.51	-1,283.28	363.83	297.51	66.32	5.486		
4,600.00	3,607.68	3,835.10	3,532.66	46.16	26.19	94.74	-1,926.80	-1,323.39	397.98	329.44	68.53	5.807		
4,700.00	3,669.46	3,923.37	3,607.77	47.61	27.13	99.45	-1,950.36	-1,363.33	434.65	364.20	70.46	6.169		
4,800.00	3,731.23	4,012.00	3,682.21	49.06	28.09	103.27	-1,975.35	-1,404.44	473.38	401.14	72.23	6.553		
4,900.00	3,793.01	4,100.75	3,756.55	50.52	29.07	106.49	-2,000.76	-1,445.73	513.51	439.59	73.92	6.947		
5,000.00	3,854.78	4,190.87	3,831.89	51.97	30.07	109.28	-2,026.87	-1,487.71	554.66	479.05	75.61	7.336		
5,100.00	3,916.56	4,282.03	3,907.93	53.42	31.08	111.69	-2,053.88	-1,530.13	596.27	518.96	77.31	7.713		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	3,978.34	4,372.69	3,983.47	54.87	32.09	113.77	-2,081.08	-1,572.23	638.30	559.33	78.97	8.083		
5,300.00	4,040.11	4,464.46	4,060.70	56.32	33.08	115.75	-2,108.38	-1,613.60	680.58	599.99	80.59	8.445		
5,400.00	4,101.89	4,551.96	4,136.04	57.78	33.98	117.70	-2,133.48	-1,650.35	723.09	641.18	81.90	8.828		
5,500.00	4,163.66	4,626.00	4,200.24	59.23	34.72	119.25	-2,153.78	-1,681.12	767.14	684.38	82.75	9.270		
5,600.00	4,225.44	4,701.60	4,265.39	60.69	35.51	120.62	-2,173.77	-1,713.83	813.12	729.40	83.72	9.712		
5,700.00	4,287.21	4,788.18	4,339.58	62.14	36.41	121.97	-2,196.17	-1,752.45	860.41	775.31	85.10	10.110		
5,800.00	4,348.99	4,882.15	4,420.14	63.60	37.41	123.28	-2,220.93	-1,793.98	907.53	820.79	86.74	10.462		
5,900.00	4,410.77	4,974.63	4,497.59	65.05	38.42	124.22	-2,246.94	-1,837.31	954.20	865.70	88.50	10.782		
6,000.00	4,472.54	5,060.61	4,570.01	66.51	39.36	125.06	-2,271.08	-1,876.87	1,000.85	910.83	90.03	11.117		
6,100.00	4,534.32	5,158.39	4,653.38	67.96	40.41	126.05	-2,298.03	-1,920.27	1,047.74	955.90	91.84	11.409		
6,200.00	4,596.09	5,259.70	4,738.35	69.42	41.52	126.85	-2,328.10	-1,966.52	1,093.23	999.40	93.83	11.651		
6,300.00	4,657.87	5,355.36	4,819.39	70.88	42.54	127.63	-2,356.69	-2,008.53	1,138.29	1,042.71	95.58	11.910		
6,400.00	4,719.64	5,449.19	4,899.73	72.33	43.52	128.44	-2,384.87	-2,047.96	1,182.92	1,085.75	97.17	12.173		
6,500.00	4,781.42	5,532.99	4,972.03	73.79	44.38	129.17	-2,409.96	-2,082.13	1,227.54	1,129.07	98.48	12.465		
6,600.00	4,843.20	5,605.00	5,033.69	75.25	45.12	129.70	-2,430.95	-2,112.83	1,273.37	1,173.82	99.55	12.791		
6,700.00	4,904.97	5,665.20	5,084.89	76.71	45.77	130.06	-2,447.74	-2,139.66	1,320.76	1,220.38	100.37	13.158		
6,800.00	4,966.75	5,738.55	5,147.36	78.16	46.54	130.48	-2,467.09	-2,172.88	1,369.68	1,268.11	101.56	13.486		
6,900.00	5,028.52	5,818.48	5,216.55	79.62	47.37	131.00	-2,487.59	-2,207.25	1,418.95	1,316.10	102.85	13.796		
7,000.00	5,090.30	5,892.00	5,280.65	81.08	48.10	131.49	-2,505.46	-2,238.49	1,469.32	1,365.39	103.93	14.138		
7,100.00	5,152.08	5,943.64	5,325.52	82.54	48.64	131.79	-2,517.35	-2,261.13	1,521.02	1,416.56	104.45	14.562		
7,200.00	5,213.85	6,027.34	5,397.12	83.99	49.53	132.14	-2,535.93	-2,300.28	1,574.05	1,468.03	106.02	14.846		
7,300.00	5,275.63	6,166.41	5,513.13	85.45	51.10	132.48	-2,570.71	-2,368.61	1,624.98	1,515.56	109.42	14.851		
7,400.00	5,337.40	6,258.66	5,591.05	86.91	52.12	132.78	-2,595.02	-2,411.58	1,674.49	1,563.22	111.27	15.049		
7,500.00	5,399.18	6,362.80	5,679.06	88.37	53.26	133.11	-2,622.94	-2,459.75	1,723.59	1,610.17	113.43	15.196		
7,600.00	5,460.95	6,433.95	5,739.12	89.83	54.04	133.32	-2,642.17	-2,492.68	1,772.55	1,657.84	114.71	15.453		
7,700.00	5,522.73	6,509.96	5,802.80	91.29	54.89	133.48	-2,662.18	-2,529.05	1,822.32	1,706.15	116.17	15.686		
7,800.00	5,584.51	6,594.06	5,873.16	92.75	55.85	133.65	-2,684.13	-2,569.56	1,872.35	1,754.46	117.89	15.882		
7,900.00	5,646.28	6,680.94	5,945.01	94.20	56.85	133.76	-2,706.98	-2,612.73	1,922.42	1,802.66	119.76	16.053		
8,000.00	5,708.06	6,767.65	6,017.04	95.66	57.84	133.89	-2,729.73	-2,655.29	1,972.46	1,850.87	121.60	16.221		
8,100.00	5,769.83	6,852.24	6,088.79	97.12	58.77	134.10	-2,751.53	-2,694.41	2,022.58	1,899.34	123.24	16.411		
8,200.00	5,831.61	6,943.00	6,166.33	98.58	59.74	134.35	-2,775.07	-2,735.30	2,072.40	1,947.41	124.99	16.580		
8,300.00	5,893.39	7,019.07	6,230.39	100.04	60.59	134.49	-2,794.93	-2,771.18	2,122.40	1,995.94	126.47	16.782		
8,400.00	5,955.16	7,106.43	6,303.02	101.50	61.58	134.59	-2,817.43	-2,814.18	2,172.92	2,044.59	128.33	16.933		
8,500.00	6,016.94	7,197.28	6,379.56	102.96	62.59	134.75	-2,840.87	-2,857.14	2,223.20	2,093.00	130.19	17.076		
8,600.00	6,078.71	7,274.99	6,446.68	104.42	63.38	134.97	-2,860.52	-2,891.01	2,273.51	2,141.96	131.55	17.283		
8,700.00	6,140.49	7,325.00	6,491.10	105.88	63.87	135.19	-2,872.60	-2,910.53	2,324.49	2,192.38	132.11	17.595		
8,800.00	6,202.26	7,382.47	6,543.09	107.34	64.35	135.48	-2,885.49	-2,931.34	2,376.63	2,243.93	132.70	17.910		
8,900.00	6,264.04	7,428.99	6,585.71	108.80	64.75	135.75	-2,894.92	-2,947.44	2,430.32	2,297.30	133.02	18.270		
9,000.00	6,325.82	7,497.48	6,648.49	110.26	65.31	136.12	-2,908.20	-2,971.37	2,484.93	2,351.14	133.79	18.573		
9,100.00	6,387.59	7,577.04	6,720.61	111.72	66.01	136.47	-2,923.56	-3,001.22	2,539.96	2,405.03	134.93	18.825		
9,200.00	6,449.37	7,712.50	6,837.77	113.18	67.39	136.73	-2,951.91	-3,062.78	2,594.52	2,456.66	137.86	18.819		
9,300.00	6,511.14	7,802.00	6,913.56	114.64	68.38	136.82	-2,972.60	-3,105.62	2,647.28	2,507.53	139.75	18.944		
9,400.00	6,572.92	7,854.86	6,957.85	116.10	69.01	136.84	-2,984.65	-3,131.81	2,700.68	2,559.97	140.71	19.194		
9,500.00	6,634.70	7,938.63	7,020.99	117.56	70.13	136.58	-3,003.00	-3,183.37	2,755.34	2,612.32	143.02	19.266		
9,600.00	6,696.47	8,023.84	7,079.35	119.02	71.45	136.12	-3,022.70	-3,241.99	2,809.34	2,663.55	145.79	19.270		
9,700.00	6,758.22	8,053.05	7,097.18	120.48	71.95	134.41	-3,029.19	-3,264.19	2,864.41	2,717.96	146.45	19.559		
9,800.00	6,817.23	8,089.00	7,118.06	122.00	72.56	122.13	-3,036.50	-3,292.52	2,916.70	2,769.44	147.25	19.808		
9,900.00	6,870.40	8,123.07	7,136.85	123.58	73.18	112.32	-3,042.86	-3,320.21	2,962.08	2,814.27	147.81	20.040		
10,000.00	6,916.13	8,184.00	7,168.33	125.16	74.28	104.87	-3,053.19	-3,371.34	2,999.26	2,849.75	149.51	20.061		
10,100.00	6,953.01	8,184.00	7,168.33	126.69	74.28	99.48	-3,053.19	-3,371.34	3,027.25	2,879.20	148.05	20.448		
10,200.00	6,979.94	8,224.48	7,186.99	128.11	75.05	96.04	-3,058.82	-3,406.80	3,045.69	2,897.12	148.57	20.500		
10,300.00	6,996.09	8,279.00	7,207.75	129.37	76.09	94.41	-3,063.86	-3,456.93	3,055.14	2,905.30	149.85	20.389		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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						
10,400.00	7,001.00	8,279.00	7,207.75	130.45	76.09	94.11	-3,063.86	-3,456.93	3,053.69	2,905.61	148.08	20.621						
10,500.00	7,001.00	8,403.25	7,233.20	131.44	78.60	94.60	-3,072.16	-3,577.92	3,048.34	2,894.75	153.59	19.847						
10,600.00	7,001.00	8,491.52	7,237.99	132.48	80.42	94.70	-3,077.40	-3,665.87	3,042.72	2,885.63	157.09	19.369						
10,700.00	7,001.00	8,592.79	7,240.47	133.54	82.53	94.76	-3,082.81	-3,766.97	3,037.46	2,876.04	161.43	18.816						
10,800.00	7,001.00	8,661.00	7,241.71	134.64	83.97	94.79	-3,086.90	-3,835.04	3,031.82	2,868.00	163.82	18.507						
10,900.00	7,001.00	8,717.12	7,242.23	135.77	85.15	94.80	-3,089.53	-3,891.10	3,027.54	2,862.05	165.49	18.294						
11,000.00	7,001.00	8,756.00	7,242.20	136.94	85.98	94.80	-3,090.17	-3,929.97	3,025.65	2,859.55	166.10	18.216						
11,100.00	7,001.00	8,982.90	7,240.11	138.14	90.88	94.77	-3,097.99	-4,156.67	3,021.25	2,842.84	178.41	16.934						
11,200.00	7,001.00	9,043.00	7,238.36	139.38	92.20	94.74	-3,099.75	-4,216.72	3,017.47	2,837.02	180.45	16.722						
11,300.00	7,001.00	9,158.48	7,236.00	140.65	94.77	94.70	-3,103.11	-4,332.11	3,014.41	2,828.43	185.98	16.208						
11,400.00	7,001.00	9,234.00	7,234.69	141.95	96.47	94.68	-3,106.10	-4,407.56	3,010.25	2,821.20	189.05	15.923						
11,500.00	7,001.00	9,271.98	7,233.96	143.29	97.32	94.67	-3,107.05	-4,445.52	3,007.63	2,817.88	189.75	15.850						
11,566.34	7,001.00	9,293.59	7,233.69	144.19	97.81	94.67	-3,107.16	-4,467.13	3,007.13	2,817.17	189.97	15.830						
11,600.00	7,001.00	9,329.00	7,233.46	144.66	98.61	94.66	-3,106.66	-4,502.53	3,007.57	2,815.92	191.65	15.693						
11,604.45	7,001.00	9,329.00	7,233.46	144.72	98.61	94.66	-3,106.66	-4,502.53	3,007.57	2,816.00	191.57	15.700						
11,700.00	7,001.00	9,425.20	7,235.59	146.06	100.79	94.70	-3,105.50	-4,598.69	3,008.77	2,812.65	196.12	15.341						
11,800.00	7,001.00	9,490.94	7,238.31	147.50	102.29	94.75	-3,105.21	-4,664.37	3,009.41	2,810.78	198.63	15.151						
11,900.00	7,001.00	9,562.30	7,240.39	148.97	103.93	94.79	-3,104.03	-4,735.70	3,011.14	2,809.62	201.52	14.942						
12,000.00	7,001.00	9,659.27	7,241.18	150.47	106.17	94.80	-3,101.57	-4,832.62	3,013.60	2,807.48	206.12	14.620						
12,100.00	7,001.00	9,756.19	7,240.55	152.00	108.41	94.79	-3,099.43	-4,929.51	3,015.62	2,804.87	210.74	14.309						
12,200.00	7,001.00	9,833.88	7,239.07	153.57	110.22	94.75	-3,096.97	-5,007.16	3,018.45	2,804.35	214.10	14.098						
12,300.00	7,001.00	9,948.59	7,237.80	155.16	112.91	94.72	-3,093.25	-5,121.80	3,021.47	2,801.50	219.97	13.736						
12,400.00	7,001.00	10,052.80	7,236.70	156.79	115.38	94.70	-3,090.60	-5,225.97	3,023.78	2,798.62	225.16	13.429						
12,500.00	7,001.00	10,129.89	7,237.74	158.44	117.22	94.72	-3,088.42	-5,303.02	3,026.58	2,798.03	228.55	13.242						
12,600.00	7,001.00	10,189.00	7,238.47	160.13	118.64	94.73	-3,086.26	-5,362.08	3,030.32	2,799.59	230.72	13.134						
12,700.00	7,001.00	10,603.45	7,242.69	161.84	128.76	94.81	-3,086.78	-5,776.10	3,031.48	2,775.20	256.28	11.829						
12,800.00	7,001.00	10,667.00	7,243.44	163.58	130.34	94.83	-3,090.19	-5,839.55	3,026.16	2,767.16	259.01	11.684						
12,900.00	7,001.00	10,746.66	7,243.35	165.35	132.33	94.83	-3,093.64	-5,919.13	3,021.75	2,759.01	262.74	11.501						
13,000.00	7,001.00	10,909.08	7,241.91	167.14	136.41	94.82	-3,102.05	-6,081.32	3,016.12	2,744.42	271.70	11.101						
13,100.00	7,001.00	10,979.27	7,239.84	168.97	138.17	94.79	-3,105.67	-6,151.39	3,010.60	2,735.72	274.88	10.952						
13,200.00	7,001.00	11,224.42	7,239.63	170.81	144.38	94.81	-3,121.44	-6,395.93	3,005.29	2,716.50	288.79	10.406						
13,300.00	7,001.00	11,279.49	7,239.98	172.68	145.78	94.82	-3,127.08	-6,450.71	2,995.55	2,704.36	291.18	10.287						
13,400.00	7,001.00	11,337.00	7,239.61	174.58	147.24	94.82	-3,129.94	-6,508.13	2,989.34	2,695.66	293.68	10.179						
13,500.00	7,001.00	11,337.00	7,239.61	176.50	147.24	94.82	-3,129.94	-6,508.13	2,984.07	2,691.59	292.48	10.203						
13,600.00	7,001.00	11,440.44	7,238.06	178.44	149.87	94.80	-3,132.61	-6,611.53	2,981.27	2,683.44	297.82	10.010						
13,700.00	7,001.00	11,476.22	7,237.72	180.41	150.78	94.79	-3,133.36	-6,647.29	2,978.75	2,679.99	298.76	9.970						
13,797.47	7,001.00	11,527.00	7,237.73	182.34	152.07	94.79	-3,133.50	-6,698.08	2,978.18	2,677.54	300.64	9.906						
13,800.00	7,001.00	11,527.00	7,237.73	182.39	152.07	94.79	-3,133.50	-6,698.08	2,978.18	2,677.58	300.60	9.908						
13,900.00	7,001.00	11,658.22	7,237.06	184.40	155.40	94.78	-3,133.34	-6,829.29	2,978.24	2,670.39	307.85	9.674						
14,000.00	7,001.00	11,755.71	7,235.76	186.43	157.89	94.76	-3,134.48	-6,926.76	2,976.84	2,664.00	312.84	9.516						
14,056.62	7,001.00	11,786.40	7,235.87	187.59	158.68	94.76	-3,134.59	-6,957.45	2,976.59	2,662.57	314.02	9.479						
14,100.00	7,001.00	11,814.00	7,236.29	188.48	159.38	94.77	-3,134.47	-6,985.05	2,976.74	2,661.55	315.19	9.444						
14,200.00	7,001.00	11,909.00	7,237.80	190.54	161.81	94.79	-3,133.91	-7,080.04	2,977.33	2,657.30	320.03	9.303						
14,300.00	7,001.00	12,005.00	7,238.00	192.63	164.27	94.80	-3,133.04	-7,176.03	2,978.11	2,653.17	324.94	9.165						
14,400.00	7,001.00	12,138.54	7,236.51	194.73	167.70	94.77	-3,132.98	-7,309.56	2,977.78	2,645.36	332.41	8.958						
14,500.00	7,001.00	12,386.00	7,243.36	196.85	174.11	94.91	-3,140.71	-7,556.65	2,974.38	2,627.23	347.15	8.568						
14,600.00	7,001.00	12,421.38	7,244.89	198.99	175.03	94.94	-3,142.14	-7,591.97	2,970.35	2,622.11	348.24	8.530						
14,700.00	7,001.00	12,481.00	7,247.47	201.14	176.58	95.00	-3,143.39	-7,651.52	2,968.29	2,617.49	350.80	8.461						
14,800.00	7,001.00	12,545.42	7,250.04	203.31	178.25	95.05	-3,143.89	-7,715.88	2,967.54	2,613.90	353.64	8.391						
14,867.18	7,001.00	12,597.59	7,251.83	204.78	179.60	95.08	-3,144.17	-7,768.03	2,967.30	2,611.17	356.13	8.332						
14,900.00	7,001.00	12,617.76	7,252.37	205.50	180.13	95.09	-3,144.15	-7,788.19	2,967.37	2,610.39	356.98	8.312						
15,000.00	7,001.00	12,771.24	7,253.99	207.70	184.11	95.12	-3,143.44	-7,941.65	2,968.27	2,602.46	365.81	8.114						

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
15,100.00	7,001.00	12,862.00	7,253.40	209.91	186.47	95.11	-3,144.28	-8,032.40	2,967.14	2,596.71	370.43	8.010		
15,200.00	7,001.00	12,971.36	7,250.78	212.14	189.32	95.06	-3,145.28	-8,141.72	2,965.88	2,589.57	376.30	7.882		
15,300.00	7,001.00	13,053.00	7,249.64	214.38	191.45	95.04	-3,146.07	-8,223.35	2,964.68	2,584.35	380.33	7.795		
15,372.82	7,001.00	13,103.68	7,249.38	216.02	192.78	95.04	-3,146.26	-8,274.03	2,964.32	2,581.66	382.66	7.747		
15,400.00	7,001.00	13,120.43	7,249.19	216.64	193.21	95.04	-3,146.19	-8,290.78	2,964.36	2,580.99	383.38	7.732		
15,500.00	7,001.00	13,292.01	7,250.77	218.90	197.70	95.07	-3,147.18	-8,462.31	2,963.90	2,570.48	393.42	7.534		
15,600.00	7,001.00	13,376.44	7,253.39	221.18	199.92	95.12	-3,149.13	-8,546.67	2,961.80	2,564.16	397.64	7.448		
15,700.00	7,001.00	13,434.00	7,254.93	223.47	201.43	95.15	-3,149.68	-8,604.21	2,960.96	2,560.90	400.05	7.401		
15,736.14	7,001.00	13,466.79	7,255.74	224.31	202.29	95.17	-3,149.73	-8,636.99	2,960.93	2,559.20	401.73	7.370		
15,800.00	7,001.00	13,522.66	7,257.13	225.78	203.76	95.20	-3,149.71	-8,692.84	2,961.02	2,556.47	404.54	7.319		
15,900.00	7,001.00	13,580.01	7,258.36	228.09	205.26	95.22	-3,149.21	-8,750.17	2,961.97	2,555.11	406.86	7.280		
16,000.00	7,001.00	13,685.07	7,259.45	230.41	208.01	95.24	-3,146.77	-8,855.20	2,964.27	2,551.78	412.49	7.186		
16,100.00	7,001.00	13,837.46	7,259.38	232.75	212.02	95.23	-3,145.91	-9,007.59	2,964.57	2,543.19	421.38	7.035		
16,200.00	7,001.00	14,059.47	7,254.25	235.09	217.87	95.14	-3,149.52	-9,229.48	2,963.00	2,528.40	434.60	6.818		
16,300.00	7,001.00	14,102.00	7,252.86	237.45	218.99	95.12	-3,151.31	-9,271.95	2,959.10	2,522.85	436.24	6.783		
16,400.00	7,001.00	14,157.01	7,250.82	239.81	220.44	95.08	-3,152.64	-9,326.89	2,956.77	2,518.18	438.58	6.742		
16,423.50	7,001.00	14,164.44	7,250.51	240.37	220.63	95.07	-3,152.65	-9,334.32	2,956.62	2,517.88	438.75	6.739		
16,500.00	7,001.00	14,197.00	7,249.07	242.18	221.49	95.05	-3,152.20	-9,366.85	2,957.08	2,517.29	439.79	6.724		
16,600.00	7,001.00	14,347.34	7,242.65	244.56	225.45	94.92	-3,150.35	-9,517.01	2,958.01	2,509.44	448.57	6.594		
16,700.00	7,001.00	14,459.00	7,240.22	246.95	228.40	94.87	-3,151.26	-9,628.64	2,956.84	2,502.17	454.66	6.503		
16,800.00	7,001.00	14,597.76	7,238.25	249.35	232.07	94.84	-3,153.16	-9,767.37	2,955.20	2,492.67	462.53	6.389		
16,900.00	7,001.00	14,674.00	7,236.16	251.75	234.09	94.80	-3,153.95	-9,843.57	2,953.70	2,487.40	466.30	6.334		
17,000.00	7,001.00	14,738.23	7,233.68	254.17	235.79	94.75	-3,153.90	-9,907.76	2,953.14	2,483.91	469.23	6.294		
17,100.00	7,001.00	14,859.32	7,229.21	256.59	238.99	94.67	-3,154.28	-10,028.77	2,952.36	2,476.38	475.99	6.203		
17,200.00	7,001.00	14,934.77	7,226.12	259.01	240.99	94.61	-3,154.65	-10,104.15	2,951.51	2,471.84	479.67	6.153		
17,228.50	7,001.00	14,960.00	7,224.85	259.71	241.66	94.58	-3,154.46	-10,129.34	2,951.56	2,470.59	480.97	6.137		
17,300.00	7,001.00	14,986.83	7,223.28	261.45	242.36	94.55	-3,154.03	-10,156.12	2,952.17	2,470.48	481.68	6.129		
17,400.00	7,001.00	15,055.00	7,217.94	263.89	244.16	94.45	-3,151.61	-10,224.04	2,954.73	2,469.97	484.76	6.095		
17,500.00	7,001.00	15,224.44	7,201.65	266.34	248.61	94.12	-3,147.33	-10,392.62	2,956.56	2,461.56	495.00	5.973		
17,600.00	7,001.00	15,310.12	7,193.43	268.79	250.86	93.96	-3,146.32	-10,477.90	2,956.96	2,457.59	499.36	5.921		
17,700.00	7,001.00	15,474.41	7,180.76	271.25	255.20	93.72	-3,145.33	-10,641.69	2,957.06	2,447.99	509.06	5.809		
17,800.00	7,001.00	15,592.76	7,170.76	273.72	258.34	93.53	-3,146.72	-10,759.61	2,955.18	2,439.56	515.61	5.731		
17,900.00	7,001.00	15,669.00	7,164.22	276.19	260.35	93.40	-3,147.73	-10,835.56	2,953.29	2,433.89	519.41	5.686		
17,934.00	7,001.00	15,669.00	7,164.22	277.03	260.35	93.40	-3,147.73	-10,835.56	2,953.09	2,434.15	518.94	5.691		
18,000.00	7,001.00	15,669.00	7,164.22	278.67	260.35	93.40	-3,147.73	-10,835.56	2,953.81	2,435.96	517.85	5.704		
18,100.00	7,001.00	15,669.00	7,164.22	281.15	260.35	93.40	-3,147.73	-10,835.56	2,957.71	2,441.97	515.75	5.735		
18,200.00	7,001.00	15,669.00	7,164.22	283.64	260.35	93.40	-3,147.73	-10,835.56	2,965.01	2,451.91	513.10	5.779		
18,300.00	7,001.00	15,669.00	7,164.22	286.15	260.35	93.42	-3,147.73	-10,835.56	2,977.76	2,467.83	509.93	5.839		
18,400.00	7,001.00	15,669.00	7,164.22	288.68	260.35	93.44	-3,147.73	-10,835.56	2,997.22	2,490.92	506.30	5.920		
18,500.00	7,001.00	15,669.00	7,164.22	291.24	260.35	93.45	-3,147.73	-10,835.56	3,022.57	2,520.33	502.24	6.018		
18,600.00	7,001.00	15,669.00	7,164.22	293.80	260.35	93.45	-3,147.73	-10,835.56	3,051.22	2,553.44	497.78	6.130		
18,700.00	7,001.00	15,669.00	7,164.22	296.36	260.35	93.45	-3,147.73	-10,835.56	3,082.84	2,589.88	492.96	6.254		
18,800.00	7,001.00	15,669.00	7,164.22	298.93	260.35	93.45	-3,147.73	-10,835.56	3,117.35	2,629.53	487.82	6.390		
18,900.00	7,001.00	15,669.00	7,164.22	301.50	260.35	93.45	-3,147.73	-10,835.56	3,154.66	2,672.26	482.40	6.539		
19,000.00	7,001.00	15,669.00	7,164.22	304.07	260.35	93.45	-3,147.73	-10,835.56	3,194.66	2,717.92	476.74	6.701		
19,100.00	7,001.00	15,669.00	7,164.22	306.65	260.35	93.45	-3,147.73	-10,835.56	3,237.26	2,766.39	470.87	6.875		
19,200.00	7,001.00	15,669.00	7,164.22	309.23	260.35	93.45	-3,147.73	-10,835.56	3,282.35	2,817.53	464.83	7.061		
19,300.00	7,001.00	15,669.00	7,164.22	311.81	260.35	93.45	-3,147.73	-10,835.56	3,329.84	2,871.19	458.65	7.260		
19,400.00	7,001.00	15,669.00	7,164.22	314.39	260.35	93.45	-3,147.73	-10,835.56	3,379.62	2,927.25	452.37	7.471		
19,500.00	7,001.00	15,669.00	7,164.22	316.97	260.35	93.45	-3,147.73	-10,835.56	3,431.59	2,985.57	446.02	7.694		
19,600.00	7,001.00	15,669.00	7,164.22	319.56	260.35	93.45	-3,147.73	-10,835.56	3,485.66	3,046.04	439.62	7.929		
19,700.00	7,001.00	15,669.00	7,164.22	322.15	260.35	93.45	-3,147.73	-10,835.56	3,541.72	3,108.52	433.20	8.176		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	
19,800.00	7,001.00	15,669.00	7,164.22	324.74	260.35	93.45	-3,147.73	-10,835.56	3,599.69	3,172.91	426.78	8.435	
19,900.00	7,001.00	15,669.00	7,164.22	327.33	260.35	93.43	-3,147.73	-10,835.56	3,659.36	3,238.99	420.38	8.705	
20,000.00	7,001.00	15,669.00	7,164.22	329.92	260.35	93.34	-3,147.73	-10,835.56	3,718.73	3,304.83	413.89	8.985	
20,100.00	7,001.00	15,669.00	7,164.22	332.49	260.35	93.26	-3,147.73	-10,835.56	3,777.03	3,369.74	407.29	9.274	
20,200.00	7,001.00	15,669.00	7,164.22	335.04	260.35	93.24	-3,147.73	-10,835.56	3,834.99	3,434.38	400.61	9.573	
20,300.00	7,001.00	15,669.00	7,164.22	337.60	260.35	93.24	-3,147.73	-10,835.56	3,894.56	3,500.57	393.99	9.885	
20,400.00	7,001.00	15,669.00	7,164.22	340.16	260.35	93.24	-3,147.73	-10,835.56	3,955.75	3,568.32	387.43	10.210	
20,500.00	7,001.00	15,669.00	7,164.22	342.72	260.35	93.24	-3,147.73	-10,835.56	4,018.50	3,637.55	380.96	10.548	
20,600.00	7,001.00	15,669.00	7,164.22	345.29	260.35	93.24	-3,147.73	-10,835.56	4,082.74	3,708.17	374.57	10.900	
20,700.00	7,001.00	15,669.00	7,164.22	347.86	260.35	93.24	-3,147.73	-10,835.56	4,148.39	3,780.10	368.29	11.264	
20,800.00	7,001.00	15,669.00	7,164.22	350.43	260.35	93.24	-3,147.73	-10,835.56	4,215.39	3,853.28	362.11	11.641	
20,900.00	7,001.00	15,669.00	7,164.22	353.00	260.35	93.24	-3,147.73	-10,835.56	4,283.68	3,927.64	356.05	12.031	
21,000.00	7,001.00	15,669.00	7,164.22	355.58	260.35	93.24	-3,147.73	-10,835.56	4,353.20	4,003.10	350.10	12.434	
21,100.00	7,001.00	15,669.00	7,164.22	358.16	260.35	93.24	-3,147.73	-10,835.56	4,423.88	4,079.60	344.28	12.850	
21,121.77	7,001.00	15,669.00	7,164.22	358.72	260.35	93.24	-3,147.73	-10,835.56	4,439.42	4,096.39	343.03	12.942	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	144.47	144.42	0.27	0.22	-168.98	-1,360.59	-265.01	1,387.31	1,386.82	0.49	2,851.200		
200.00	200.00	199.45	199.39	0.63	0.43	-168.97	-1,359.57	-265.04	1,385.21	1,384.16	1.06	1,312.836		
236.90	236.90	225.00	224.95	0.76	0.51	-168.97	-1,359.49	-265.05	1,385.09	1,383.81	1.27	1,087.940		
300.00	300.00	285.52	285.47	0.99	0.72	-168.97	-1,359.60	-265.13	1,385.21	1,383.50	1.71	810.484		
400.00	399.98	381.69	381.64	1.33	1.06	-14.32	-1,359.72	-265.81	1,383.78	1,381.39	2.39	578.849		
500.00	499.84	478.69	478.62	1.67	1.41	-14.33	-1,360.01	-267.39	1,379.32	1,376.24	3.08	448.259		
600.00	599.45	592.19	592.12	2.03	1.81	-14.42	-1,360.11	-268.79	1,371.21	1,367.37	3.83	357.616		
700.00	698.70	670.37	670.29	2.41	2.08	-14.55	-1,360.17	-269.39	1,359.67	1,355.21	4.47	304.475		
800.00	797.47	748.37	748.27	2.81	2.36	-14.74	-1,361.72	-269.88	1,346.56	1,341.46	5.10	263.955		
900.00	895.62	830.23	830.08	3.25	2.65	-14.98	-1,364.39	-270.79	1,331.46	1,325.70	5.76	231.198		
1,000.00	993.06	913.11	912.84	3.72	2.95	-15.18	-1,367.75	-273.65	1,314.24	1,307.80	6.43	204.374		
1,100.00	1,089.64	996.02	995.52	4.23	3.25	-15.37	-1,371.76	-278.21	1,294.84	1,287.73	7.11	182.016		
1,200.00	1,185.27	1,082.00	1,081.07	4.78	3.57	-15.52	-1,376.60	-285.32	1,273.38	1,265.55	7.82	162.809		
1,300.00	1,279.82	1,155.14	1,153.57	5.38	3.86	-15.60	-1,381.32	-293.74	1,249.97	1,241.48	8.50	147.128		
1,400.00	1,373.17	1,224.76	1,222.29	6.03	4.14	-15.64	-1,386.66	-303.54	1,225.04	1,215.87	9.17	133.567		
1,500.00	1,465.21	1,292.35	1,288.74	6.72	4.42	-15.70	-1,393.36	-313.86	1,199.20	1,189.34	9.85	121.687		
1,600.00	1,555.84	1,367.00	1,361.72	7.47	4.74	-15.72	-1,402.24	-326.84	1,172.34	1,161.76	10.58	110.770		
1,700.00	1,644.94	1,438.38	1,431.07	8.27	5.07	-15.72	-1,411.85	-340.69	1,144.15	1,132.83	11.32	101.070		
1,800.00	1,732.39	1,510.10	1,500.36	9.12	5.42	-15.70	-1,422.47	-355.87	1,114.48	1,102.40	12.08	92.251		
1,900.00	1,818.11	1,585.72	1,572.72	10.02	5.81	-15.61	-1,434.94	-373.95	1,083.74	1,070.86	12.88	84.153		
2,000.00	1,901.97	1,667.00	1,650.30	10.98	6.25	-15.51	-1,448.78	-393.84	1,050.59	1,036.87	13.72	76.548		
2,100.00	1,983.88	1,746.92	1,726.19	11.98	6.71	-15.40	-1,463.17	-414.35	1,015.51	1,000.92	14.59	69.613		
2,200.00	2,063.74	1,821.89	1,796.47	13.04	7.18	-15.21	-1,477.72	-436.00	979.28	963.83	15.45	63.379		
2,300.00	2,141.45	1,892.23	1,861.49	14.14	7.64	-14.92	-1,491.99	-458.72	941.72	925.42	16.31	57.755		
2,400.00	2,216.92	1,959.09	1,922.50	15.30	8.11	-14.59	-1,507.02	-481.55	903.62	886.47	17.15	52.680		
2,500.00	2,290.05	2,041.97	1,997.23	16.50	8.73	-14.02	-1,526.55	-511.59	864.17	846.06	18.11	47.725		
2,600.00	2,360.76	2,106.46	2,054.45	17.76	9.26	-13.47	-1,542.35	-536.79	823.55	804.58	18.96	43.426		
2,700.00	2,428.95	2,182.23	2,120.23	19.05	9.90	-12.61	-1,562.38	-568.61	782.74	762.87	19.88	39.375		
2,800.00	2,494.55	2,268.13	2,194.71	20.39	10.67	-11.51	-1,585.31	-604.74	739.53	718.68	20.85	35.464		
2,900.00	2,557.49	2,335.00	2,252.53	21.78	11.27	-10.64	-1,604.00	-632.65	694.77	673.07	21.69	32.030		
3,000.00	2,619.27	2,413.73	2,319.70	23.18	12.03	-9.23	-1,627.30	-666.47	650.94	628.36	22.58	28.831		
3,100.00	2,681.04	2,495.19	2,388.05	24.60	12.84	-7.49	-1,652.62	-702.82	609.59	586.15	23.44	26.005		
3,200.00	2,742.82	2,593.28	2,470.67	26.02	13.82	-5.21	-1,683.52	-745.72	568.89	544.49	24.40	23.318		
3,300.00	2,804.59	2,671.37	2,536.90	27.44	14.61	-3.21	-1,707.88	-779.16	528.24	503.05	25.19	20.973		
3,400.00	2,866.37	2,751.47	2,603.35	28.87	15.44	-0.79	-1,734.64	-815.00	491.33	465.37	25.96	18.926		
3,500.00	2,928.15	2,842.57	2,679.17	30.30	16.41	2.23	-1,765.47	-854.99	455.52	428.65	26.87	16.950		
3,600.00	2,989.92	2,928.91	2,749.96	31.73	17.35	5.94	-1,793.59	-895.62	422.11	394.28	27.83	15.167		
3,700.00	3,051.70	3,023.58	2,828.14	33.17	18.40	10.60	-1,823.80	-939.65	389.91	360.75	29.16	13.372		
3,800.00	3,113.47	3,105.23	2,894.99	34.61	19.30	15.33	-1,849.82	-978.64	361.43	330.73	30.69	11.776		
3,900.00	3,175.25	3,204.54	2,976.87	36.05	20.41	21.88	-1,880.89	-1,025.45	335.63	302.33	33.31	10.076		
4,000.00	3,237.03	3,282.34	3,040.73	37.49	21.29	27.69	-1,905.31	-1,062.58	314.99	278.75	36.24	8.692		
4,100.00	3,298.80	3,379.83	3,120.35	38.93	22.40	35.62	-1,936.25	-1,109.55	300.48	259.61	40.88	7.351		
4,200.00	3,360.58	3,485.01	3,208.67	40.37	23.54	44.78	-1,968.96	-1,156.35	288.37	241.58	46.79	6.163		
4,300.00	3,422.35	3,564.84	3,276.02	41.82	24.39	52.06	-1,993.91	-1,191.17	282.31	229.97	52.34	5.394		
4,312.57	3,430.12	3,575.00	3,284.50	42.00	24.49	52.98	-1,997.15	-1,195.73	282.23	229.19	53.04	5.321 CC		
4,400.00	3,484.13	3,643.60	3,341.11	43.27	25.27	59.16	-2,019.17	-1,227.62	286.23	228.53	57.71	4.960 ES		
4,500.00	3,545.90	3,739.33	3,419.42	44.72	26.36	67.39	-2,049.74	-1,273.40	298.53	235.12	63.41	4.708		
4,600.00	3,607.68	3,838.99	3,503.22	46.16	27.44	75.60	-2,080.90	-1,317.41	313.47	244.89	68.57	4.571 SF		
4,700.00	3,669.46	3,921.91	3,573.45	47.61	28.33	81.91	-2,106.88	-1,353.04	333.01	260.92	72.08	4.620		
4,800.00	3,731.23	4,000.02	3,639.22	49.06	29.18	87.34	-2,129.71	-1,388.44	360.07	285.50	74.56	4.829		
4,900.00	3,793.01	4,083.33	3,708.53	50.52	30.11	92.30	-2,153.49	-1,428.07	393.00	316.26	76.74	5.121		
5,000.00	3,854.78	4,175.34	3,784.70	51.97	31.15	96.89	-2,180.60	-1,471.99	428.37	349.36	79.01	5.421		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
5,100.00	3,916.56	4,266.12	3,859.54	53.42	32.19	100.68	-2,208.09	-1,515.39	465.39	384.39	81.00	5.745		
5,200.00	3,978.34	4,361.13	3,937.99	54.87	33.27	104.08	-2,237.65	-1,560.11	502.97	419.94	83.03	6.058		
5,300.00	4,040.11	4,452.91	4,014.04	56.32	34.30	106.97	-2,266.45	-1,602.65	541.22	456.44	84.78	6.384		
5,400.00	4,101.89	4,545.81	4,092.84	57.78	35.30	109.86	-2,294.67	-1,642.94	579.72	493.36	86.36	6.713		
5,500.00	4,163.66	4,626.00	4,160.83	59.23	36.16	112.06	-2,318.54	-1,678.11	619.98	532.57	87.41	7.093		
5,600.00	4,225.44	4,718.28	4,238.91	60.69	37.15	114.27	-2,345.91	-1,718.99	661.42	572.49	88.92	7.438		
5,700.00	4,287.21	4,808.56	4,315.09	62.14	38.14	116.16	-2,373.25	-1,758.95	703.04	612.66	90.37	7.779		
5,800.00	4,348.99	4,912.33	4,402.35	63.60	39.26	118.04	-2,405.86	-1,804.67	744.24	651.95	92.29	8.064		
5,900.00	4,410.77	5,001.33	4,476.21	65.05	40.27	119.35	-2,435.17	-1,844.71	785.00	691.19	93.81	8.368		
6,000.00	4,472.54	5,096.89	4,553.33	66.51	41.40	120.33	-2,468.15	-1,890.50	825.78	730.02	95.76	8.624		
6,100.00	4,534.32	5,191.51	4,631.23	67.96	42.48	121.41	-2,500.41	-1,933.40	866.21	768.69	97.52	8.883		
6,200.00	4,596.09	5,277.60	4,702.84	69.42	43.45	122.39	-2,529.36	-1,971.39	906.86	807.91	98.95	9.164		
6,300.00	4,657.87	5,372.36	4,779.98	70.88	44.55	123.19	-2,562.03	-2,015.68	947.82	847.00	100.82	9.401		
6,400.00	4,719.64	5,469.66	4,859.79	72.33	45.66	124.01	-2,595.82	-2,059.90	988.31	885.61	102.70	9.623		
6,500.00	4,781.42	5,545.21	4,922.32	73.79	46.53	124.67	-2,621.85	-2,093.38	1,028.92	925.02	103.90	9.903		
6,600.00	4,843.20	5,604.00	4,970.49	75.25	47.20	125.07	-2,641.02	-2,121.07	1,072.00	967.37	104.63	10.245		
6,700.00	4,904.97	5,686.74	5,038.73	76.71	48.15	125.63	-2,666.60	-2,160.25	1,116.71	1,010.57	106.13	10.522		
6,800.00	4,966.75	5,776.45	5,114.93	78.16	49.11	126.41	-2,693.02	-2,199.50	1,161.84	1,054.21	107.63	10.795		
6,900.00	5,028.52	5,848.94	5,178.10	79.62	49.84	127.17	-2,713.38	-2,228.66	1,207.49	1,099.03	108.46	11.133		
7,000.00	5,090.30	5,934.42	5,252.84	81.08	50.69	128.02	-2,736.24	-2,263.25	1,254.52	1,144.87	109.65	11.442		
7,100.00	5,152.08	6,019.56	5,325.96	82.54	51.58	128.68	-2,760.35	-2,299.59	1,300.92	1,189.93	110.99	11.721		
7,200.00	5,213.85	6,082.00	5,378.13	83.99	52.27	128.98	-2,777.55	-2,329.26	1,349.02	1,237.19	111.84	12.062		
7,300.00	5,275.63	6,179.66	5,460.00	85.45	53.36	129.45	-2,803.88	-2,375.50	1,397.75	1,283.91	113.85	12.278		
7,400.00	5,337.40	6,287.75	5,550.32	86.91	54.58	129.91	-2,834.53	-2,426.33	1,445.22	1,329.04	116.18	12.440		
7,500.00	5,399.18	6,379.39	5,624.09	88.37	55.68	130.07	-2,862.08	-2,473.20	1,492.01	1,373.75	118.25	12.617		
7,600.00	5,460.95	6,457.14	5,687.30	89.83	56.62	130.24	-2,885.07	-2,512.16	1,539.05	1,419.23	119.83	12.844		
7,700.00	5,522.73	6,623.67	5,824.59	91.29	58.52	130.78	-2,938.20	-2,589.92	1,582.73	1,458.91	123.82	12.782		
7,800.00	5,584.51	6,698.27	5,888.24	92.75	59.32	131.18	-2,962.07	-2,620.64	1,626.04	1,501.07	124.97	13.011		
7,900.00	5,646.28	6,776.07	5,955.12	94.20	60.13	131.60	-2,985.96	-2,652.42	1,670.48	1,544.33	126.15	13.242		
8,000.00	5,708.06	6,877.36	6,040.57	95.66	61.22	132.01	-3,018.13	-2,696.24	1,714.49	1,586.43	128.06	13.388		
8,100.00	5,769.83	6,955.83	6,105.85	97.12	62.10	132.24	-3,043.15	-2,731.87	1,758.83	1,629.33	129.50	13.582		
8,200.00	5,831.61	7,049.75	6,183.97	98.58	63.16	132.50	-3,073.00	-2,774.64	1,803.30	1,671.94	131.36	13.728		
8,300.00	5,893.39	7,144.36	6,263.50	100.04	64.20	132.81	-3,103.07	-2,816.11	1,847.54	1,714.39	133.14	13.876		
8,400.00	5,955.16	7,229.00	6,334.98	101.50	65.11	133.10	-3,129.96	-2,852.60	1,891.73	1,757.08	134.64	14.050		
8,500.00	6,016.94	7,299.99	6,394.63	102.96	65.90	133.31	-3,152.23	-2,884.01	1,936.50	1,800.64	135.86	14.254		
8,600.00	6,078.71	7,402.41	6,480.11	104.42	67.04	133.55	-3,184.05	-2,930.58	1,981.76	1,843.82	137.94	14.367		
8,700.00	6,140.49	7,468.70	6,535.57	105.88	67.78	133.71	-3,204.78	-2,960.38	2,026.80	1,887.74	139.06	14.575		
8,800.00	6,202.26	7,527.80	6,585.46	107.34	68.42	133.87	-3,222.31	-2,986.78	2,073.21	1,933.24	139.97	14.812		
8,900.00	6,264.04	7,597.32	6,644.62	108.80	69.17	134.06	-3,242.14	-3,017.44	2,120.61	1,979.50	141.11	15.028		
9,000.00	6,325.82	7,697.06	6,729.40	110.26	70.25	134.33	-3,270.36	-3,061.75	2,168.29	2,025.24	143.05	15.157		
9,100.00	6,387.59	7,763.96	6,786.13	111.72	70.96	134.49	-3,289.35	-3,091.69	2,215.97	2,071.83	144.15	15.373		
9,200.00	6,449.37	7,801.00	6,818.05	113.18	71.35	134.60	-3,299.42	-3,107.55	2,264.84	2,120.45	144.39	15.686		
9,300.00	6,511.14	7,801.00	6,818.05	114.64	71.35	134.60	-3,299.42	-3,107.55	2,316.59	2,173.05	143.54	16.139		
9,400.00	6,572.92	7,858.70	6,867.05	116.10	72.00	134.71	-3,313.41	-3,134.56	2,368.88	2,224.47	144.41	16.404		
9,500.00	6,634.70	7,896.00	6,897.50	117.56	72.41	134.70	-3,320.83	-3,154.77	2,424.39	2,279.68	144.72	16.753		
9,600.00	6,696.47	7,896.00	6,897.50	119.02	72.41	134.70	-3,320.83	-3,154.77	2,481.68	2,338.02	143.66	17.275		
9,700.00	6,758.22	7,931.20	6,925.17	120.48	72.87	133.09	-3,326.81	-3,175.68	2,540.80	2,396.82	143.98	17.647		
9,800.00	6,817.23	7,957.42	6,945.02	122.00	73.22	120.49	-3,330.70	-3,192.35	2,597.25	2,453.50	143.75	18.068		
9,900.00	6,870.40	7,992.00	6,970.15	123.58	73.67	110.46	-3,335.09	-3,215.69	2,647.06	2,503.44	143.62	18.431		
10,000.00	6,916.13	8,031.57	6,997.35	125.16	74.27	102.87	-3,339.51	-3,244.08	2,688.69	2,545.06	143.63	18.719		
10,100.00	6,953.01	8,149.08	7,065.61	126.69	76.16	97.84	-3,353.00	-3,338.37	2,719.96	2,572.12	147.84	18.399		
10,200.00	6,979.94	8,331.03	7,137.52	128.11	79.62	94.88	-3,379.96	-3,502.44	2,735.81	2,579.37	156.44	17.488		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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											
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	+N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)					
10,300.00	6,996.09	8,374.00	7,148.10	129.37	80.48	93.40	-3,386.62	-3,543.54	2,739.69	2,582.76	156.94	17.457					
10,400.00	7,001.00	8,427.78	7,158.34	130.45	81.58	93.57	-3,393.86	-3,595.83	2,732.87	2,574.73	158.14	17.282					
10,500.00	7,001.00	8,469.00	7,163.94	131.44	82.42	93.70	-3,397.98	-3,636.45	2,723.30	2,564.76	158.54	17.177					
10,600.00	7,001.00	8,564.00	7,173.76	132.48	84.37	93.92	-3,406.74	-3,730.53	2,714.61	2,552.14	162.47	16.709					
10,700.00	7,001.00	8,610.12	7,177.63	133.54	85.32	94.00	-3,410.62	-3,776.32	2,706.91	2,543.70	163.21	16.585					
10,800.00	7,001.00	8,660.00	7,180.72	134.64	86.35	94.07	-3,413.19	-3,826.04	2,701.71	2,537.53	164.19	16.455					
10,900.00	7,001.00	8,702.19	7,182.78	135.77	87.21	94.12	-3,414.49	-3,868.16	2,698.45	2,533.82	164.63	16.391					
11,000.00	7,001.00	8,772.57	7,185.82	136.94	88.65	94.19	-3,415.93	-3,938.46	2,696.57	2,529.57	167.00	16.147					
11,100.00	7,001.00	8,856.85	7,187.56	138.14	90.39	94.22	-3,416.81	-4,022.71	2,695.53	2,525.18	170.35	15.823					
11,200.00	7,001.00	9,011.35	7,186.53	139.38	93.64	94.21	-3,419.49	-4,177.18	2,693.56	2,514.94	178.62	15.080					
11,300.00	7,001.00	9,110.93	7,186.44	140.65	95.78	94.21	-3,422.31	-4,276.71	2,690.59	2,507.45	183.14	14.692					
11,400.00	7,001.00	9,198.90	7,185.23	141.95	97.69	94.19	-3,424.38	-4,364.66	2,688.00	2,501.12	186.89	14.383					
11,500.00	7,001.00	9,285.88	7,183.24	143.29	99.59	94.15	-3,425.97	-4,451.60	2,685.88	2,495.28	190.60	14.092					
11,600.00	7,001.00	9,416.41	7,181.90	144.66	102.49	94.12	-3,428.50	-4,582.09	2,683.83	2,486.42	197.42	13.595					
11,700.00	7,001.00	9,551.10	7,183.22	146.06	105.54	94.16	-3,434.19	-4,716.65	2,679.33	2,474.75	204.58	13.097					
11,800.00	7,001.00	9,615.00	7,181.11	147.50	107.00	94.12	-3,436.06	-4,780.48	2,675.92	2,469.13	206.79	12.941					
11,900.00	7,001.00	9,684.56	7,176.91	148.97	108.58	94.03	-3,437.09	-4,849.91	2,673.76	2,464.39	209.37	12.770					
12,000.00	7,001.00	9,960.09	7,170.49	150.47	115.00	93.91	-3,450.25	-5,124.85	2,668.76	2,442.33	226.43	11.786					
12,100.00	7,001.00	10,035.30	7,171.44	152.00	116.80	93.94	-3,456.83	-5,199.77	2,660.19	2,430.59	229.60	11.586					
12,200.00	7,001.00	10,093.00	7,171.87	153.57	118.17	93.96	-3,459.61	-5,257.39	2,654.54	2,422.99	231.55	11.464					
12,300.00	7,001.00	10,166.56	7,172.47	155.16	119.93	93.98	-3,463.16	-5,330.86	2,649.52	2,414.92	234.60	11.294					
12,400.00	7,001.00	10,239.09	7,173.05	156.79	121.67	93.99	-3,467.04	-5,403.28	2,644.39	2,406.81	237.57	11.131					
12,500.00	7,001.00	10,283.00	7,173.06	158.44	122.72	94.00	-3,468.01	-5,447.17	2,641.80	2,403.34	238.45	11.079					
12,600.00	7,001.00	10,421.93	7,173.36	160.13	126.06	94.01	-3,472.16	-5,586.02	2,638.44	2,392.20	246.25	10.715					
12,700.00	7,001.00	10,475.00	7,172.12	161.84	127.34	93.98	-3,473.23	-5,639.07	2,636.13	2,388.33	247.80	10.638					
12,800.00	7,001.00	10,571.00	7,168.55	163.58	129.65	93.91	-3,474.24	-5,735.00	2,634.69	2,382.20	252.49	10.435					
12,863.92	7,001.00	10,601.24	7,167.32	164.71	130.38	93.88	-3,474.34	-5,765.21	2,634.25	2,381.06	253.19	10.404					
12,900.00	7,001.00	10,616.90	7,166.65	165.35	130.75	93.87	-3,474.22	-5,780.86	2,634.39	2,380.92	253.46	10.394					
13,000.00	7,001.00	10,666.00	7,164.35	167.14	131.93	93.82	-3,473.02	-5,829.89	2,636.25	2,381.65	254.60	10.354					
13,100.00	7,001.00	10,799.77	7,157.71	168.97	135.15	93.67	-3,469.99	-5,963.45	2,637.96	2,375.76	262.21	10.061					
13,200.00	7,001.00	10,879.61	7,154.28	170.81	137.09	93.59	-3,468.10	-6,043.20	2,639.89	2,374.17	265.72	9.935					
13,300.00	7,001.00	10,989.48	7,153.01	172.68	139.77	93.56	-3,465.63	-6,153.02	2,641.92	2,370.37	271.55	9.729					
13,400.00	7,001.00	11,092.02	7,152.24	174.58	142.28	93.54	-3,463.73	-6,255.55	2,643.59	2,366.75	276.84	9.549					
13,500.00	7,001.00	11,196.18	7,150.48	176.50	144.85	93.50	-3,461.60	-6,359.67	2,645.39	2,363.13	282.26	9.372					
13,600.00	7,001.00	11,301.90	7,150.88	178.44	147.47	93.51	-3,460.05	-6,465.38	2,646.74	2,358.92	287.82	9.196					
13,700.00	7,001.00	11,363.69	7,151.07	180.41	149.00	93.51	-3,458.91	-6,527.16	2,648.60	2,358.57	290.02	9.132					
13,800.00	7,001.00	11,431.00	7,150.71	182.39	150.67	93.50	-3,455.81	-6,594.39	2,652.70	2,360.08	292.62	9.065					
13,900.00	7,001.00	11,571.20	7,150.31	184.40	154.15	93.48	-3,451.20	-6,734.50	2,655.77	2,354.86	300.91	8.826					
14,000.00	7,001.00	11,846.44	7,151.45	186.43	161.11	93.51	-3,452.60	-7,009.60	2,655.44	2,336.42	319.01	8.324					
14,100.00	7,001.00	11,935.66	7,151.55	188.48	163.38	93.52	-3,455.91	-7,098.75	2,651.60	2,328.18	323.42	8.199					
14,200.00	7,001.00	12,026.01	7,151.39	190.54	165.69	93.52	-3,459.03	-7,189.06	2,648.01	2,320.09	327.92	8.075					
14,300.00	7,001.00	12,100.49	7,150.99	192.63	167.60	93.51	-3,461.01	-7,263.51	2,645.19	2,313.92	331.27	7.985					
14,400.00	7,001.00	12,223.27	7,149.26	194.73	170.74	93.48	-3,464.08	-7,386.23	2,642.49	2,304.38	338.11	7.816					
14,500.00	7,001.00	12,322.88	7,147.06	196.85	173.30	93.44	-3,467.40	-7,485.76	2,638.89	2,295.61	343.28	7.687					
14,600.00	7,001.00	12,385.00	7,147.10	198.99	174.90	93.44	-3,468.86	-7,547.86	2,636.41	2,290.66	345.75	7.625					
14,700.00	7,001.00	12,480.00	7,147.81	201.14	177.35	93.46	-3,471.10	-7,642.83	2,634.00	2,283.40	350.60	7.513					
14,800.00	7,001.00	12,543.70	7,148.99	203.31	178.99	93.48	-3,472.16	-7,706.51	2,632.61	2,279.48	353.13	7.455					
14,809.50	7,001.00	12,547.99	7,149.15	203.52	179.10	93.49	-3,472.16	-7,710.79	2,632.60	2,279.37	353.23	7.453					
14,900.00	7,001.00	12,600.65	7,151.75	205.50	180.45	93.54	-3,471.74	-7,763.39	2,633.39	2,278.30	355.08	7.416					
15,000.00	7,001.00	12,685.48	7,156.34	207.70	182.63	93.64	-3,470.43	-7,848.08	2,635.13	2,275.99	359.14	7.337					
15,100.00	7,001.00	12,777.16	7,161.74	209.91	184.99	93.76	-3,468.61	-7,939.59	2,637.36	2,273.62	363.73	7.251					
15,200.00	7,001.00	12,891.02	7,164.18	212.14	187.92	93.81	-3,466.25	-8,053.38	2,639.42	2,269.36	370.06	7.132					

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
15,300.00	7,001.00	13,002.53	7,163.38	214.38	190.80	93.79	-3,464.27	-8,164.87	2,641.01	2,264.80	376.21	7.020				
15,400.00	7,001.00	13,088.54	7,161.94	216.64	193.02	93.75	-3,462.85	-8,250.85	2,642.45	2,262.06	380.39	6.947				
15,500.00	7,001.00	13,275.07	7,159.33	218.90	197.85	93.69	-3,460.93	-8,437.31	2,643.71	2,251.52	392.18	6.741				
15,600.00	7,001.00	13,353.21	7,160.82	221.18	199.89	93.73	-3,461.60	-8,515.43	2,642.82	2,246.98	395.84	6.676				
15,700.00	7,001.00	13,466.28	7,164.75	223.47	202.84	93.81	-3,462.37	-8,628.42	2,642.26	2,240.19	402.07	6.572				
15,800.00	7,001.00	13,693.16	7,164.83	225.78	208.78	93.83	-3,470.00	-8,855.11	2,638.68	2,222.44	416.24	6.339				
15,900.00	7,001.00	13,791.06	7,162.54	228.09	211.35	93.79	-3,475.59	-8,952.82	2,632.70	2,211.32	421.38	6.248				
16,000.00	7,001.00	13,910.00	7,159.64	230.41	214.47	93.73	-3,483.15	-9,071.48	2,625.96	2,198.05	427.91	6.137				
16,100.00	7,001.00	14,005.00	7,158.11	232.75	216.97	93.71	-3,489.07	-9,166.28	2,619.51	2,186.64	432.86	6.052				
16,200.00	7,001.00	14,036.80	7,157.76	235.09	217.81	93.70	-3,490.36	-9,198.06	2,614.74	2,181.23	433.51	6.032				
16,300.00	7,001.00	14,100.00	7,156.78	237.45	219.47	93.68	-3,491.85	-9,261.22	2,612.00	2,175.81	436.19	5.988				
16,400.00	7,001.00	14,145.49	7,155.97	239.81	220.66	93.67	-3,492.13	-9,306.71	2,610.93	2,173.47	437.47	5.968				
16,412.70	7,001.00	14,152.80	7,155.85	240.11	220.85	93.66	-3,492.12	-9,314.02	2,610.92	2,173.19	437.73	5.965				
16,500.00	7,001.00	14,221.06	7,154.84	242.18	222.64	93.64	-3,491.45	-9,382.26	2,611.50	2,170.58	440.91	5.923				
16,600.00	7,001.00	14,343.15	7,152.61	244.56	225.85	93.59	-3,491.31	-9,504.33	2,611.26	2,163.35	447.91	5.830				
16,700.00	7,001.00	14,473.11	7,148.40	246.95	229.26	93.50	-3,491.24	-9,634.22	2,611.10	2,155.63	455.47	5.733				
16,800.00	7,001.00	14,571.60	7,144.92	249.35	231.85	93.43	-3,492.18	-9,732.65	2,609.80	2,149.12	460.68	5.665				
16,900.00	7,001.00	14,709.74	7,139.51	251.75	235.49	93.31	-3,494.96	-9,870.64	2,607.25	2,138.48	468.78	5.562				
17,000.00	7,001.00	14,819.05	7,133.79	254.17	238.38	93.19	-3,496.96	-9,979.79	2,605.04	2,130.28	474.76	5.487				
17,100.00	7,001.00	14,929.98	7,128.52	256.59	241.30	93.08	-3,500.63	-10,090.53	2,601.29	2,120.43	480.86	5.410				
17,200.00	7,001.00	15,024.64	7,121.65	259.01	243.80	92.93	-3,503.17	-10,184.90	2,598.08	2,112.28	485.80	5.348				
17,300.00	7,001.00	15,161.13	7,108.57	261.45	247.38	92.64	-3,507.44	-10,320.69	2,594.39	2,100.76	493.63	5.256				
17,400.00	7,001.00	15,245.00	7,101.08	263.89	249.59	92.48	-3,511.57	-10,404.13	2,589.11	2,091.28	497.83	5.201				
17,500.00	7,001.00	15,311.97	7,095.22	266.34	251.35	92.36	-3,514.25	-10,470.78	2,584.99	2,084.17	500.82	5.161				
17,600.00	7,001.00	15,416.23	7,085.94	268.79	254.10	92.15	-3,515.79	-10,574.61	2,583.05	2,076.61	506.44	5.100				
17,700.00	7,001.00	15,512.55	7,078.14	271.25	256.64	91.98	-3,518.25	-10,670.59	2,580.06	2,068.57	511.49	5.044				
17,800.00	7,001.00	15,610.44	7,069.16	273.72	259.22	91.78	-3,520.33	-10,768.04	2,577.49	2,060.84	516.64	4.989				
17,900.00	7,001.00	15,673.00	7,063.31	276.19	260.87	91.65	-3,521.68	-10,830.31	2,575.18	2,055.96	519.22	4.960				
17,928.90	7,001.00	15,673.00	7,063.31	276.90	260.87	91.65	-3,521.68	-10,830.31	2,575.02	2,056.44	518.57	4.966				
18,000.00	7,001.00	15,673.00	7,063.31	278.67	260.87	91.65	-3,521.68	-10,830.31	2,576.00	2,059.27	516.73	4.985				
18,100.00	7,001.00	15,673.00	7,063.31	281.15	260.87	91.65	-3,521.68	-10,830.31	2,580.69	2,067.18	513.51	5.026				
18,200.00	7,001.00	15,673.00	7,063.31	283.64	260.87	91.65	-3,521.68	-10,830.31	2,589.27	2,079.67	509.60	5.081				
18,300.00	7,001.00	15,673.00	7,063.31	286.15	260.87	91.66	-3,521.68	-10,830.31	2,603.77	2,098.74	505.03	5.156				
18,400.00	7,001.00	15,673.00	7,063.31	288.68	260.87	91.68	-3,521.68	-10,830.31	2,625.42	2,125.54	499.88	5.252				
18,500.00	7,001.00	15,673.00	7,063.31	291.24	260.87	91.68	-3,521.68	-10,830.31	2,653.35	2,159.12	494.23	5.369				
18,600.00	7,001.00	15,673.00	7,063.31	293.80	260.87	91.68	-3,521.68	-10,830.31	2,684.94	2,196.81	488.13	5.500				
18,700.00	7,001.00	15,673.00	7,063.31	296.36	260.87	91.68	-3,521.68	-10,830.31	2,719.84	2,238.22	481.62	5.647				
18,800.00	7,001.00	15,673.00	7,063.31	298.93	260.87	91.68	-3,521.68	-10,830.31	2,757.93	2,283.16	474.77	5.809				
18,900.00	7,001.00	15,673.00	7,063.31	301.50	260.87	91.68	-3,521.68	-10,830.31	2,799.08	2,331.43	467.65	5.985				
19,000.00	7,001.00	15,673.00	7,063.31	304.07	260.87	91.68	-3,521.68	-10,830.31	2,843.15	2,382.85	460.29	6.177				
19,100.00	7,001.00	15,673.00	7,063.31	306.65	260.87	91.68	-3,521.68	-10,830.31	2,890.00	2,437.24	452.77	6.383				
19,200.00	7,001.00	15,673.00	7,063.31	309.23	260.87	91.68	-3,521.68	-10,830.31	2,939.52	2,494.40	445.12	6.604				
19,300.00	7,001.00	15,673.00	7,063.31	311.81	260.87	91.68	-3,521.68	-10,830.31	2,991.56	2,554.16	437.40	6.839				
19,400.00	7,001.00	15,673.00	7,063.31	314.39	260.87	91.68	-3,521.68	-10,830.31	3,045.99	2,616.34	429.65	7.090				
19,500.00	7,001.00	15,673.00	7,063.31	316.97	260.87	91.68	-3,521.68	-10,830.31	3,102.69	2,680.80	421.89	7.354				
19,600.00	7,001.00	15,673.00	7,063.31	319.56	260.87	91.68	-3,521.68	-10,830.31	3,161.54	2,747.37	414.17	7.633				
19,700.00	7,001.00	15,673.00	7,063.31	322.15	260.87	91.68	-3,521.68	-10,830.31	3,222.42	2,815.90	406.52	7.927				
19,800.00	7,001.00	15,673.00	7,063.31	324.74	260.87	91.68	-3,521.68	-10,830.31	3,285.21	2,886.26	398.95	8.235				
19,900.00	7,001.00	15,673.00	7,063.31	327.33	260.87	91.67	-3,521.68	-10,830.31	3,349.71	2,958.23	391.49	8.556				
20,000.00	7,001.00	15,673.00	7,063.31	329.92	260.87	91.62	-3,521.68	-10,830.31	3,413.98	3,029.99	383.98	8.891				
20,100.00	7,001.00	15,673.00	7,063.31	332.49	260.87	91.57	-3,521.68	-10,830.31	3,477.29	3,100.90	376.39	9.238				
20,200.00	7,001.00	15,673.00	7,063.31	335.04	260.87	91.56	-3,521.68	-10,830.31	3,540.34	3,171.56	368.78	9.600				

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	
20,300.00	7,001.00	15,673.00	7,063.31	337.60	260.87	91.56	-3,521.68	-10,830.31	3,604.96	3,243.66	361.30	9.978	
20,400.00	7,001.00	15,673.00	7,063.31	340.16	260.87	91.56	-3,521.68	-10,830.31	3,671.16	3,317.20	353.96	10.372	
20,500.00	7,001.00	15,673.00	7,063.31	342.72	260.87	91.56	-3,521.68	-10,830.31	3,738.87	3,392.09	346.79	10.781	
20,600.00	7,001.00	15,673.00	7,063.31	345.29	260.87	91.56	-3,521.68	-10,830.31	3,808.00	3,468.23	339.78	11.207	
20,700.00	7,001.00	15,673.00	7,063.31	347.86	260.87	91.56	-3,521.68	-10,830.31	3,878.48	3,545.54	332.94	11.649	
20,800.00	7,001.00	15,673.00	7,063.31	350.43	260.87	91.56	-3,521.68	-10,830.31	3,950.23	3,623.96	326.28	12.107	
20,900.00	7,001.00	15,673.00	7,063.31	353.00	260.87	91.56	-3,521.68	-10,830.31	4,023.19	3,703.40	319.80	12.581	
21,000.00	7,001.00	15,673.00	7,063.31	355.58	260.87	91.56	-3,521.68	-10,830.31	4,097.29	3,783.80	313.49	13.070	
21,100.00	7,001.00	15,673.00	7,063.31	358.16	260.87	91.56	-3,521.68	-10,830.31	4,172.47	3,865.10	307.37	13.575	
21,121.77	7,001.00	15,673.00	7,063.31	358.72	260.87	91.56	-3,521.68	-10,830.31	4,188.98	3,882.92	306.06	13.687	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	102.55	102.55	0.27	0.15	-169.93	-1,384.33	-245.85	1,406.06	1,405.65	0.41	3,402.015		
200.00	200.00	200.34	200.32	0.63	0.44	-169.98	-1,383.47	-244.42	1,404.95	1,403.89	1.06	1,322.954		
295.24	295.24	283.26	283.24	0.97	0.72	-169.99	-1,383.11	-244.12	1,404.49	1,402.80	1.69	830.147		
300.00	300.00	287.32	287.30	0.99	0.74	-169.99	-1,383.11	-244.13	1,404.49	1,402.77	1.72	815.215		
400.00	399.98	388.26	388.24	1.33	1.08	-15.33	-1,383.15	-245.23	1,403.04	1,400.63	2.41	581.383		
500.00	499.84	488.30	488.27	1.67	1.43	-15.36	-1,382.80	-246.54	1,397.88	1,394.77	3.10	450.237		
600.00	599.45	574.64	574.60	2.03	1.74	-15.45	-1,382.95	-247.45	1,389.84	1,386.08	3.76	369.726		
700.00	698.70	655.33	655.26	2.41	2.02	-15.53	-1,383.88	-249.44	1,379.65	1,375.24	4.40	313.524		
800.00	797.47	737.13	736.97	2.81	2.31	-15.63	-1,385.79	-252.64	1,367.51	1,362.45	5.05	270.607		
900.00	895.62	819.96	819.66	3.25	2.61	-15.74	-1,388.51	-256.68	1,353.14	1,347.42	5.72	236.594		
1,000.00	993.06	891.00	890.48	3.72	2.87	-15.84	-1,391.64	-261.21	1,336.89	1,330.54	6.35	210.537		
1,100.00	1,089.64	961.73	960.85	4.23	3.14	-15.95	-1,396.05	-266.81	1,319.36	1,312.37	6.99	188.722		
1,200.00	1,185.27	1,033.55	1,032.09	4.78	3.41	-16.06	-1,402.14	-273.65	1,300.88	1,293.23	7.65	170.080		
1,300.00	1,279.82	1,110.74	1,108.38	5.38	3.72	-16.15	-1,409.77	-282.52	1,280.83	1,272.49	8.34	153.546		
1,400.00	1,373.17	1,176.00	1,172.73	6.03	3.99	-16.26	-1,416.99	-290.61	1,259.05	1,250.05	9.00	139.901		
1,500.00	1,465.21	1,257.61	1,252.80	6.72	4.34	-16.35	-1,427.28	-302.48	1,235.74	1,226.00	9.75	126.774		
1,600.00	1,555.84	1,332.90	1,326.12	7.47	4.69	-16.38	-1,438.04	-315.81	1,211.28	1,200.79	10.49	115.476		
1,700.00	1,644.94	1,403.51	1,394.44	8.27	5.04	-16.38	-1,449.08	-329.82	1,185.32	1,174.09	11.23	105.516		
1,800.00	1,732.39	1,462.00	1,450.52	9.12	5.34	-16.38	-1,459.32	-342.87	1,158.59	1,146.65	11.94	97.073		
1,900.00	1,818.11	1,546.21	1,530.57	10.02	5.81	-16.27	-1,475.50	-363.38	1,130.58	1,117.79	12.79	88.383		
2,000.00	1,901.97	1,630.46	1,610.01	10.98	6.30	-16.13	-1,492.76	-385.54	1,100.97	1,087.29	13.67	80.514		
2,100.00	1,983.88	1,706.45	1,681.48	11.98	6.77	-16.04	-1,508.83	-405.74	1,068.99	1,054.45	14.53	73.552		
2,200.00	2,063.74	1,773.53	1,743.95	13.04	7.21	-15.99	-1,524.51	-424.46	1,036.22	1,020.86	15.36	67.450		
2,300.00	2,141.45	1,847.18	1,811.64	14.14	7.72	-15.83	-1,542.84	-446.96	1,002.43	986.18	16.25	61.688		
2,400.00	2,216.92	1,919.96	1,877.54	15.30	8.26	-15.58	-1,561.83	-471.30	967.44	950.29	17.15	56.398		
2,500.00	2,290.05	1,997.53	1,946.84	16.50	8.87	-15.22	-1,583.09	-498.91	931.24	913.14	18.10	51.448		
2,600.00	2,360.76	2,074.39	2,014.74	17.76	9.51	-14.78	-1,604.67	-527.73	893.27	874.21	19.05	46.881		
2,700.00	2,428.95	2,143.00	2,074.39	19.05	10.11	-14.31	-1,624.96	-554.89	854.38	834.43	19.95	42.816		
2,800.00	2,494.55	2,211.70	2,132.79	20.39	10.77	-13.69	-1,646.28	-584.11	814.98	794.12	20.86	39.066		
2,900.00	2,557.49	2,304.71	2,210.34	21.78	11.69	-12.50	-1,675.80	-626.13	774.43	752.52	21.91	35.342		
3,000.00	2,619.27	2,382.74	2,275.93	23.18	12.48	-11.32	-1,700.37	-660.51	732.31	709.47	22.84	32.065		
3,100.00	2,681.04	2,466.85	2,345.74	24.60	13.34	-9.94	-1,728.98	-697.70	692.87	669.10	23.77	29.145		
3,200.00	2,742.82	2,558.47	2,422.79	26.02	14.28	-8.39	-1,759.36	-736.87	652.46	627.72	24.73	26.380		
3,300.00	2,804.59	2,629.01	2,481.09	27.44	15.02	-7.04	-1,784.40	-767.66	615.06	589.56	25.50	24.120		
3,400.00	2,866.37	2,732.65	2,567.34	28.87	16.12	-4.98	-1,821.40	-811.62	577.78	551.29	26.49	21.811		
3,500.00	2,928.15	2,811.00	2,631.85	30.30	16.96	-3.23	-1,850.59	-845.16	542.69	515.43	27.26	19.908		
3,600.00	2,989.92	2,893.22	2,698.57	31.73	17.88	-1.17	-1,882.45	-881.12	510.30	482.26	28.04	18.198		
3,700.00	3,051.70	2,994.39	2,781.37	33.17	18.99	1.56	-1,921.53	-924.15	478.04	449.01	29.03	16.467		
3,800.00	3,113.47	3,087.21	2,857.86	34.61	20.00	4.49	-1,956.25	-963.61	445.63	415.61	30.01	14.847		
3,900.00	3,175.25	3,197.26	2,949.44	36.05	21.19	8.82	-1,994.69	-1,011.00	412.80	381.42	31.38	13.156		
4,000.00	3,237.03	3,278.64	3,017.66	37.49	22.07	12.61	-2,022.12	-1,045.84	380.58	347.83	32.74	11.623		
4,100.00	3,298.80	3,374.06	3,097.32	38.93	23.10	17.91	-2,053.85	-1,087.71	351.27	316.39	34.89	10.069		
4,200.00	3,360.58	3,457.18	3,166.80	40.37	24.01	23.22	-2,081.28	-1,124.15	325.01	287.42	37.59	8.647		
4,300.00	3,422.35	3,556.81	3,249.88	41.82	25.09	30.64	-2,113.57	-1,168.64	303.34	261.45	41.88	7.242		
4,400.00	3,484.13	3,641.08	3,321.18	43.27	26.00	37.76	-2,139.71	-1,205.18	285.05	238.05	47.00	6.065		
4,500.00	3,545.90	3,734.77	3,399.73	44.72	27.00	46.36	-2,169.10	-1,246.92	274.58	221.03	53.55	5.128		
4,600.00	3,607.68	3,826.38	3,477.78	46.16	27.97	55.21	-2,197.37	-1,285.68	269.03	208.48	60.55	4.443		
4,621.36	3,620.88	3,845.22	3,493.77	46.47	28.17	57.01	-2,203.38	-1,293.63	268.85	206.87	61.99	4.337 CC		
4,700.00	3,669.46	3,912.98	3,550.96	47.61	28.89	63.37	-2,225.51	-1,322.46	271.41	204.48	66.93	4.055 ES		
4,800.00	3,731.23	3,996.57	3,620.63	49.06	29.82	70.76	-2,253.44	-1,359.22	282.16	209.95	72.21	3.908 SF		
4,900.00	3,793.01	4,080.90	3,689.27	50.52	30.79	77.30	-2,282.48	-1,398.68	301.14	224.75	76.39	3.942		
5,000.00	3,854.78	4,171.94	3,762.20	51.97	31.88	83.23	-2,315.15	-1,442.28	325.04	244.99	80.04	4.061		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
5,100.00	3,916.56	4,263.45	3,834.95	53.42	32.99	88.27	-2,348.67	-1,486.54	352.18	269.08	83.10	4.238		
5,200.00	3,978.34	4,360.15	3,911.35	54.87	34.17	92.69	-2,385.27	-1,533.18	380.95	294.95	86.00	4.430		
5,300.00	4,040.11	4,459.61	3,989.71	56.32	35.39	96.50	-2,424.38	-1,580.32	410.02	321.30	88.72	4.622		
5,400.00	4,101.89	4,559.62	4,070.24	57.78	36.55	100.17	-2,463.30	-1,625.03	438.82	347.69	91.13	4.815		
5,500.00	4,163.66	4,652.72	4,148.33	59.23	37.57	103.84	-2,497.19	-1,662.69	467.97	375.12	92.85	5.040		
5,600.00	4,225.44	4,737.67	4,220.78	60.69	38.45	107.08	-2,526.25	-1,696.19	499.71	405.73	93.99	5.317		
5,700.00	4,287.21	4,832.59	4,300.89	62.14	39.47	110.13	-2,559.71	-1,734.57	532.78	437.36	95.42	5.583		
5,800.00	4,348.99	4,917.91	4,370.81	63.60	40.43	112.16	-2,591.29	-1,771.86	567.27	470.60	96.67	5.868		
5,900.00	4,410.77	5,008.00	4,444.14	65.05	41.47	114.00	-2,625.21	-1,811.71	602.19	504.05	98.14	6.136		
6,000.00	4,472.54	5,089.90	4,510.70	66.51	42.43	115.47	-2,655.54	-1,848.57	638.54	539.22	99.32	6.429		
6,100.00	4,534.32	5,180.14	4,583.86	67.96	43.48	116.88	-2,687.70	-1,890.44	676.94	576.08	100.86	6.711		
6,200.00	4,596.09	5,291.68	4,677.17	69.42	44.71	118.89	-2,726.81	-1,937.34	714.49	611.64	102.85	6.947		
6,300.00	4,657.87	5,367.70	4,742.01	70.88	45.50	120.32	-2,753.08	-1,967.09	751.83	648.33	103.50	7.264		
6,400.00	4,719.64	5,434.36	4,798.81	72.33	46.21	121.45	-2,774.88	-1,994.32	791.89	688.01	103.88	7.623		
6,500.00	4,781.42	5,501.70	4,855.02	73.79	46.94	122.29	-2,795.78	-2,024.94	835.16	730.73	104.43	7.997		
6,600.00	4,843.20	5,590.66	4,929.42	75.25	47.94	123.32	-2,822.54	-2,065.70	879.65	773.77	105.87	8.309		
6,700.00	4,904.97	5,689.19	5,010.08	76.71	49.08	124.14	-2,853.55	-2,113.00	923.77	815.89	107.88	8.563		
6,800.00	4,966.75	5,784.72	5,088.54	78.16	50.19	124.90	-2,884.13	-2,158.08	967.33	857.59	109.75	8.814		
6,900.00	5,028.52	5,888.76	5,175.75	79.62	51.33	125.88	-2,917.75	-2,203.78	1,009.83	898.17	111.67	9.043		
7,000.00	5,090.30	5,973.87	5,248.61	81.08	52.21	126.79	-2,944.74	-2,238.48	1,052.25	939.48	112.77	9.331		
7,100.00	5,152.08	6,046.80	5,312.26	82.54	52.93	127.65	-2,966.73	-2,266.48	1,095.68	982.30	113.38	9.664		
7,200.00	5,213.85	6,164.17	5,415.09	83.99	54.07	128.97	-3,001.57	-2,311.06	1,139.94	1,024.75	115.19	9.896		
7,300.00	5,275.63	6,294.01	5,526.13	85.45	55.41	130.11	-3,045.96	-2,361.62	1,180.29	1,062.84	117.45	10.049		
7,400.00	5,337.40	6,379.51	5,597.30	86.91	56.35	130.61	-3,076.75	-2,397.62	1,219.95	1,101.14	118.81	10.268		
7,500.00	5,399.18	6,465.00	5,668.90	88.37	57.28	131.13	-3,107.17	-2,433.04	1,259.97	1,139.82	120.15	10.487		
7,600.00	5,460.95	6,536.62	5,729.79	89.83	58.04	131.61	-3,131.74	-2,461.63	1,300.98	1,179.96	121.02	10.750		
7,700.00	5,522.73	6,601.14	5,784.84	91.29	58.71	132.02	-3,152.85	-2,487.84	1,343.69	1,221.98	121.71	11.040		
7,800.00	5,584.51	6,665.71	5,840.27	92.75	59.38	132.42	-3,172.72	-2,514.32	1,388.27	1,265.89	122.38	11.344		
7,900.00	5,646.28	6,755.39	5,916.92	94.20	60.32	132.90	-3,199.88	-2,552.14	1,433.60	1,309.77	123.83	11.577		
8,000.00	5,708.06	6,846.64	5,993.22	95.66	61.33	133.21	-3,228.11	-2,593.45	1,478.87	1,353.32	125.55	11.779		
8,100.00	5,769.83	6,987.02	6,108.61	97.12	62.94	133.56	-3,275.07	-2,658.11	1,521.68	1,392.84	128.84	11.811		
8,200.00	5,831.61	7,078.45	6,186.82	98.58	63.88	134.03	-3,305.47	-2,694.35	1,564.06	1,433.82	130.24	12.009		
8,300.00	5,893.39	7,250.95	6,336.27	100.04	65.59	135.12	-3,366.01	-2,755.38	1,604.32	1,471.32	133.00	12.063		
8,400.00	5,955.16	7,324.00	6,397.28	101.50	66.37	135.40	-3,393.80	-2,784.40	1,642.43	1,508.33	134.11	12.247		
8,500.00	6,016.94	7,376.80	6,441.23	102.96	66.96	135.56	-3,413.15	-2,806.36	1,682.22	1,547.42	134.80	12.479		
8,600.00	6,078.71	7,420.00	6,477.26	104.42	67.43	135.68	-3,428.07	-2,824.95	1,724.30	1,589.09	135.21	12.752		
8,700.00	6,140.49	7,496.10	6,540.99	105.88	68.27	135.87	-3,453.09	-2,858.16	1,767.90	1,631.41	136.49	12.953		
8,800.00	6,202.26	7,624.96	6,647.22	107.34	69.75	136.07	-3,496.03	-2,917.05	1,811.35	1,671.99	139.37	12.997		
8,900.00	6,264.04	7,706.00	6,712.34	108.80	70.73	136.09	-3,524.11	-2,956.27	1,853.77	1,712.68	141.08	13.140		
9,000.00	6,325.82	7,770.39	6,765.21	110.26	71.46	136.17	-3,545.69	-2,986.00	1,897.05	1,754.87	142.17	13.343		
9,100.00	6,387.59	7,840.93	6,825.27	111.72	72.23	136.38	-3,568.01	-3,015.48	1,941.57	1,798.34	143.24	13.555		
9,200.00	6,449.37	7,915.03	6,888.06	113.18	73.02	136.56	-3,591.15	-3,047.31	1,986.68	1,842.26	144.43	13.756		
9,300.00	6,511.14	7,973.64	6,936.96	114.64	73.68	136.64	-3,608.92	-3,074.30	2,032.91	1,887.60	145.31	13.990		
9,400.00	6,572.92	8,024.60	6,978.65	116.10	74.29	136.65	-3,623.77	-3,099.54	2,080.54	1,934.48	146.06	14.244		
9,500.00	6,634.70	8,088.00	7,028.62	117.56	75.07	136.54	-3,641.11	-3,134.48	2,129.98	1,982.58	147.40	14.450		
9,600.00	6,696.47	8,122.28	7,054.35	119.02	75.56	136.41	-3,650.01	-3,155.28	2,180.74	2,032.93	147.81	14.754		
9,700.00	6,758.22	8,183.00	7,096.56	120.48	76.42	134.61	-3,665.22	-3,196.16	2,232.92	2,083.44	149.48	14.938		
9,800.00	6,817.23	8,279.00	7,156.44	122.00	77.96	122.56	-3,689.64	-3,267.07	2,280.55	2,127.57	152.98	14.907		
9,900.00	6,870.40	8,352.14	7,196.54	123.58	79.24	113.21	-3,708.34	-3,325.27	2,319.63	2,164.37	155.26	14.940		
10,000.00	6,916.13	8,419.51	7,228.18	125.16	80.46	106.20	-3,724.40	-3,382.50	2,350.24	2,193.10	157.13	14.957		
10,100.00	6,953.01	8,470.00	7,249.04	126.69	81.40	101.32	-3,735.90	-3,427.02	2,371.22	2,213.37	157.85	15.022		
10,200.00	6,979.94	8,520.94	7,267.36	128.11	82.38	98.33	-3,746.35	-3,473.37	2,382.81	2,224.30	158.51	15.032		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
10,300.00	6,996.09	8,565.00	7,280.75	129.37	83.22	97.05	-3,753.88	-3,514.66	2,385.35	2,226.72	158.63	15.037		
10,400.00	7,001.00	8,655.43	7,299.66	130.45	85.00	97.57	-3,767.35	-3,601.98	2,377.74	2,215.78	161.96	14.681		
10,500.00	7,001.00	8,699.41	7,305.48	131.44	85.87	97.73	-3,773.17	-3,645.18	2,366.21	2,204.08	162.13	14.594		
10,600.00	7,001.00	8,756.00	7,313.03	132.48	86.99	97.93	-3,778.97	-3,700.97	2,357.30	2,194.13	163.17	14.447		
10,700.00	7,001.00	8,802.46	7,318.37	133.54	87.90	98.07	-3,782.68	-3,746.96	2,350.36	2,186.89	163.46	14.378		
10,800.00	7,001.00	8,851.00	7,322.00	134.64	88.85	98.17	-3,786.00	-3,795.25	2,344.90	2,181.01	163.88	14.308		
10,900.00	7,001.00	8,911.13	7,324.99	135.77	90.03	98.25	-3,788.72	-3,855.25	2,341.29	2,176.13	165.16	14.176		
11,000.00	7,001.00	8,963.10	7,327.09	136.94	91.04	98.31	-3,789.48	-3,907.16	2,340.17	2,174.36	165.81	14.114		
11,038.12	7,001.00	8,995.80	7,328.13	137.39	91.68	98.33	-3,789.62	-3,939.84	2,340.12	2,173.08	167.05	14.009		
11,100.00	7,001.00	9,058.14	7,329.42	138.14	92.90	98.36	-3,789.63	-4,002.17	2,340.22	2,170.45	169.77	13.785		
11,200.00	7,001.00	9,239.85	7,327.59	139.38	96.54	98.33	-3,792.51	-4,183.83	2,338.30	2,157.84	180.45	12.958		
11,300.00	7,001.00	9,329.00	7,325.48	140.65	98.39	98.29	-3,795.49	-4,272.91	2,334.57	2,150.47	184.10	12.681		
11,400.00	7,001.00	9,397.76	7,323.69	141.95	99.81	98.25	-3,797.17	-4,341.62	2,331.82	2,145.62	186.19	12.524		
11,466.12	7,001.00	9,424.00	7,323.07	142.83	100.36	98.24	-3,797.37	-4,367.86	2,331.15	2,145.08	186.07	12.528		
11,500.00	7,001.00	9,424.00	7,323.07	143.29	100.36	98.24	-3,797.37	-4,367.86	2,331.39	2,146.47	184.92	12.608		
11,600.00	7,001.00	9,490.86	7,322.55	144.66	101.74	98.22	-3,796.50	-4,434.71	2,332.81	2,145.97	186.84	12.486		
11,700.00	7,001.00	9,559.02	7,323.77	146.06	103.16	98.24	-3,793.79	-4,502.80	2,336.71	2,147.84	188.87	12.372		
11,800.00	7,001.00	9,775.45	7,328.91	147.50	107.78	98.36	-3,790.21	-4,719.10	2,338.67	2,135.77	202.91	11.526		
11,900.00	7,001.00	9,929.71	7,333.07	148.97	111.20	98.47	-3,794.13	-4,873.25	2,336.22	2,124.32	211.90	11.025		
12,000.00	7,001.00	9,998.00	7,335.02	150.47	112.74	98.53	-3,795.98	-4,941.48	2,333.84	2,119.69	214.14	10.899		
12,100.00	7,001.00	10,060.25	7,336.12	152.00	114.14	98.56	-3,796.62	-5,003.71	2,332.94	2,117.04	215.89	10.806		
12,105.23	7,001.00	10,063.49	7,336.14	152.08	114.21	98.56	-3,796.62	-5,006.96	2,332.93	2,116.95	215.98	10.801		
12,200.00	7,001.00	10,170.49	7,335.49	153.57	116.62	98.54	-3,796.17	-5,113.95	2,333.18	2,111.66	221.51	10.533		
12,300.00	7,001.00	10,350.00	7,337.11	155.16	120.74	98.59	-3,799.19	-5,293.41	2,331.95	2,099.31	232.65	10.024		
12,400.00	7,001.00	10,557.14	7,339.25	156.79	125.64	98.70	-3,813.43	-5,500.01	2,324.59	2,078.91	245.68	9.462		
12,500.00	7,001.00	10,611.95	7,339.11	158.44	126.95	98.71	-3,817.71	-5,554.66	2,316.84	2,069.69	247.15	9.374		
12,600.00	7,001.00	10,667.00	7,339.80	160.13	128.26	98.74	-3,820.62	-5,609.63	2,311.47	2,062.90	248.57	9.299		
12,700.00	7,001.00	10,708.88	7,340.49	161.84	129.25	98.76	-3,821.91	-5,651.48	2,308.26	2,059.39	248.87	9.275		
12,800.00	7,001.00	10,763.00	7,340.85	163.58	130.54	98.77	-3,822.52	-5,705.59	2,307.10	2,057.04	250.06	9.226		
12,804.45	7,001.00	10,763.00	7,340.85	163.66	130.54	98.77	-3,822.52	-5,705.59	2,307.10	2,057.18	249.92	9.231		
12,900.00	7,001.00	10,803.15	7,341.18	165.35	131.48	98.78	-3,822.05	-5,745.74	2,308.24	2,058.22	250.02	9.232		
13,000.00	7,001.00	10,858.00	7,342.54	167.14	132.76	98.80	-3,819.87	-5,800.52	2,312.07	2,060.94	251.13	9.207		
13,100.00	7,001.00	10,965.08	7,346.60	168.97	135.27	98.89	-3,814.89	-5,907.41	2,317.17	2,060.47	256.70	9.027		
13,200.00	7,001.00	11,090.64	7,352.11	170.81	138.26	99.01	-3,812.00	-6,032.82	2,319.81	2,055.96	263.85	8.792		
13,300.00	7,001.00	11,161.63	7,354.90	172.68	139.96	99.07	-3,809.62	-6,103.70	2,323.55	2,057.18	266.37	8.723		
13,400.00	7,001.00	11,308.33	7,355.64	174.58	143.47	99.07	-3,804.35	-6,250.30	2,327.17	2,051.81	275.36	8.451		
13,500.00	7,001.00	11,396.75	7,353.85	176.50	145.60	99.02	-3,802.09	-6,338.67	2,329.29	2,049.86	279.44	8.336		
13,600.00	7,001.00	11,569.22	7,348.11	178.44	149.79	98.86	-3,798.95	-6,510.99	2,330.43	2,039.88	290.55	8.021		
13,647.96	7,001.00	11,607.93	7,347.94	179.38	150.75	98.86	-3,798.95	-6,549.70	2,330.34	2,038.12	292.22	7.975		
13,700.00	7,001.00	11,659.93	7,348.22	180.41	152.03	98.87	-3,798.88	-6,601.69	2,330.38	2,035.53	294.85	7.904		
13,800.00	7,001.00	11,772.76	7,347.51	182.39	154.82	98.85	-3,798.90	-6,714.52	2,330.13	2,029.14	300.98	7.742		
13,900.00	7,001.00	11,898.11	7,349.20	184.40	157.94	98.90	-3,800.30	-6,839.84	2,329.11	2,021.01	308.10	7.559		
14,000.00	7,001.00	11,971.14	7,349.42	186.43	159.76	98.91	-3,801.12	-6,912.87	2,327.95	2,016.94	311.01	7.485		
14,024.00	7,001.00	11,987.40	7,349.53	186.92	160.17	98.91	-3,801.17	-6,929.14	2,327.88	2,016.27	311.60	7.471		
14,100.00	7,001.00	12,044.86	7,349.90	188.48	161.60	98.92	-3,800.97	-6,986.59	2,328.10	2,014.15	313.95	7.415		
14,200.00	7,001.00	12,297.88	7,352.96	190.54	167.98	99.02	-3,808.09	-7,239.36	2,325.23	1,994.11	331.12	7.022		
14,300.00	7,001.00	12,392.58	7,354.17	192.63	170.40	99.07	-3,813.60	-7,333.90	2,319.54	1,983.73	335.82	6.907		
14,400.00	7,001.00	12,513.32	7,354.88	194.73	173.48	99.12	-3,821.92	-7,454.34	2,312.55	1,970.08	342.47	6.753		
14,500.00	7,001.00	12,576.00	7,356.89	196.85	175.09	99.19	-3,825.63	-7,516.87	2,306.96	1,962.21	344.75	6.692		
14,600.00	7,001.00	12,619.72	7,358.72	198.99	176.20	99.24	-3,827.39	-7,560.52	2,303.33	1,957.86	345.47	6.667		
14,700.00	7,001.00	12,671.00	7,360.42	201.14	177.51	99.29	-3,828.38	-7,611.76	2,301.83	1,955.20	346.64	6.640		
14,755.25	7,001.00	12,716.28	7,361.37	202.34	178.66	99.31	-3,828.57	-7,657.03	2,301.71	1,953.06	348.65	6.602		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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					
14,800.00	7,001.00	12,752.68	7,361.64	203.31	179.58	99.32	-3,828.50	-7,693.43	2,301.79	1,951.54	350.25	6.572					
14,900.00	7,001.00	12,908.08	7,360.07	205.50	183.54	99.28	-3,829.56	-7,848.81	2,300.75	1,940.77	359.98	6.391					
15,000.00	7,001.00	12,986.67	7,357.35	207.70	185.55	99.22	-3,830.57	-7,927.34	2,298.87	1,935.42	363.44	6.325					
15,054.00	7,001.00	13,015.55	7,356.34	208.89	186.29	99.20	-3,830.54	-7,956.21	2,298.56	1,934.38	364.18	6.312					
15,100.00	7,001.00	13,052.00	7,355.20	209.91	187.21	99.17	-3,830.05	-7,992.63	2,298.82	1,933.05	365.78	6.285					
15,200.00	7,001.00	13,182.88	7,359.51	212.14	190.57	99.28	-3,831.13	-8,123.37	2,298.36	1,924.92	373.44	6.154					
15,300.00	7,001.00	13,310.42	7,362.87	214.38	193.85	99.37	-3,832.47	-8,250.84	2,297.83	1,917.02	380.81	6.034					
15,400.00	7,001.00	13,381.71	7,363.96	216.64	195.69	99.40	-3,834.14	-8,322.11	2,295.83	1,912.18	383.65	5.984					
15,438.39	7,001.00	13,399.79	7,364.04	217.51	196.15	99.40	-3,834.21	-8,340.18	2,295.66	1,911.70	383.96	5.979					
15,500.00	7,001.00	13,433.00	7,363.95	218.90	197.01	99.40	-3,833.88	-8,373.39	2,296.10	1,911.33	384.77	5.967					
15,600.00	7,001.00	13,531.51	7,361.99	221.18	199.53	99.34	-3,831.96	-8,471.86	2,297.56	1,907.68	389.88	5.893					
15,700.00	7,001.00	13,606.52	7,360.70	223.47	201.46	99.31	-3,830.23	-8,546.83	2,299.43	1,906.47	392.96	5.852					
15,800.00	7,001.00	13,706.12	7,360.34	225.78	204.02	99.29	-3,827.49	-8,646.39	2,301.94	1,903.79	398.16	5.782					
15,900.00	7,001.00	13,787.96	7,359.98	228.09	206.12	99.27	-3,825.07	-8,728.20	2,304.68	1,902.88	401.80	5.736					
16,000.00	7,001.00	13,883.46	7,360.88	230.41	208.58	99.28	-3,821.77	-8,823.63	2,308.09	1,901.47	406.63	5.676					
16,100.00	7,001.00	13,969.42	7,359.91	232.75	210.79	99.24	-3,818.39	-8,909.52	2,311.68	1,901.04	410.64	5.629					
16,200.00	7,001.00	14,084.35	7,356.66	235.09	213.75	99.14	-3,813.08	-9,024.28	2,315.70	1,898.43	417.27	5.550					
16,300.00	7,001.00	14,207.99	7,356.67	237.45	216.95	99.13	-3,809.40	-9,147.85	2,318.50	1,893.92	424.59	5.461					
16,400.00	7,001.00	14,331.04	7,356.73	239.81	220.14	99.12	-3,807.11	-9,270.88	2,320.18	1,888.37	431.81	5.373					
16,500.00	7,001.00	14,471.04	7,355.60	242.18	223.79	99.09	-3,805.66	-9,410.86	2,321.06	1,880.64	440.41	5.270					
16,600.00	7,001.00	14,578.00	7,357.33	244.56	226.59	99.13	-3,806.54	-9,517.81	2,320.36	1,874.17	446.19	5.200					
16,667.88	7,001.00	14,629.84	7,358.52	246.18	227.95	99.16	-3,806.87	-9,569.63	2,320.09	1,871.67	448.42	5.174					
16,700.00	7,001.00	14,653.39	7,358.82	246.95	228.57	99.17	-3,806.84	-9,593.18	2,320.15	1,870.76	449.39	5.163					
16,800.00	7,001.00	14,770.17	7,357.41	249.35	231.62	99.14	-3,806.20	-9,709.93	2,320.41	1,864.35	456.06	5.088					
16,900.00	7,001.00	14,864.00	7,353.06	251.75	234.07	99.03	-3,805.52	-9,803.66	2,320.25	1,859.37	460.89	5.034					
17,000.00	7,001.00	14,993.45	7,344.28	254.17	237.45	98.81	-3,805.27	-9,932.81	2,319.17	1,850.49	468.68	4.948					
17,100.00	7,001.00	15,165.57	7,338.88	256.59	241.97	98.69	-3,807.75	-10,104.81	2,317.74	1,838.15	479.59	4.833					
17,200.00	7,001.00	15,306.62	7,335.94	259.01	245.70	98.65	-3,814.88	-10,245.64	2,312.25	1,824.40	487.85	4.740					
17,300.00	7,001.00	15,404.58	7,331.89	261.45	248.28	98.57	-3,820.38	-10,343.36	2,305.94	1,812.91	493.04	4.677					
17,400.00	7,001.00	15,493.17	7,326.26	263.89	250.62	98.45	-3,824.70	-10,431.66	2,300.04	1,802.46	497.58	4.622					
17,500.00	7,001.00	15,571.21	7,322.04	266.34	252.67	98.35	-3,828.14	-10,509.51	2,294.77	1,793.45	501.33	4.577					
17,600.00	7,001.00	15,647.68	7,316.56	268.79	254.69	98.23	-3,830.35	-10,585.75	2,290.71	1,785.77	504.94	4.537					
17,700.00	7,001.00	15,750.94	7,310.17	271.25	257.41	98.08	-3,833.16	-10,688.77	2,286.99	1,776.42	510.58	4.479					
17,800.00	7,001.00	15,855.22	7,302.06	273.72	260.15	97.89	-3,836.01	-10,792.69	2,283.06	1,766.74	516.32	4.422					
17,900.00	7,001.00	15,895.00	7,298.68	276.19	261.20	97.81	-3,837.08	-10,832.32	2,279.88	1,762.92	516.96	4.410					
17,930.52	7,001.00	15,895.00	7,298.68	276.94	261.20	97.81	-3,837.08	-10,832.32	2,279.68	1,763.62	516.06	4.417					
18,000.00	7,001.00	15,895.00	7,298.68	278.67	261.20	97.81	-3,837.08	-10,832.32	2,280.73	1,767.05	513.68	4.440					
18,100.00	7,001.00	15,895.00	7,298.68	281.15	261.20	97.81	-3,837.08	-10,832.32	2,285.97	1,776.47	509.50	4.487					
18,200.00	7,001.00	15,895.00	7,298.68	283.64	261.20	97.81	-3,837.08	-10,832.32	2,295.57	1,791.13	504.44	4.551					
18,300.00	7,001.00	15,895.00	7,298.68	286.15	261.20	97.86	-3,837.08	-10,832.32	2,311.56	1,812.97	498.58	4.636					
18,400.00	7,001.00	15,895.00	7,298.68	288.68	261.20	97.92	-3,837.08	-10,832.32	2,335.08	1,843.03	492.05	4.746					
18,500.00	7,001.00	15,895.00	7,298.68	291.24	261.20	97.95	-3,837.08	-10,832.32	2,365.25	1,880.30	484.95	4.877					
18,600.00	7,001.00	15,895.00	7,298.68	293.80	261.20	97.95	-3,837.08	-10,832.32	2,399.43	1,922.09	477.34	5.027					
18,700.00	7,001.00	15,895.00	7,298.68	296.36	261.20	97.95	-3,837.08	-10,832.32	2,437.24	1,967.92	469.31	5.193					
18,800.00	7,001.00	15,895.00	7,298.68	298.93	261.20	97.95	-3,837.08	-10,832.32	2,478.50	2,017.57	460.94	5.377					
18,900.00	7,001.00	15,895.00	7,298.68	301.50	261.20	97.95	-3,837.08	-10,832.32	2,523.06	2,070.75	452.30	5.578					
19,000.00	7,001.00	15,895.00	7,298.68	304.07	261.20	97.95	-3,837.08	-10,832.32	2,570.73	2,127.25	443.49	5.797					
19,100.00	7,001.00	15,895.00	7,298.68	306.65	261.20	97.95	-3,837.08	-10,832.32	2,621.36	2,186.80	434.56	6.032					
19,200.00	7,001.00	15,895.00	7,298.68	309.23	261.20	97.95	-3,837.08	-10,832.32	2,674.77	2,249.19	425.58	6.285					
19,300.00	7,001.00	15,895.00	7,298.68	311.81	261.20	97.95	-3,837.08	-10,832.32	2,730.79	2,314.19	416.61	6.555					
19,400.00	7,001.00	15,895.00	7,298.68	314.39	261.20	97.95	-3,837.08	-10,832.32	2,789.28	2,381.59	407.69	6.842					
19,500.00	7,001.00	15,895.00	7,298.68	316.97	261.20	97.95	-3,837.08	-10,832.32	2,850.08	2,451.21	398.86	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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	
19,600.00	7,001.00	15,895.00	7,298.68	319.56	261.20	97.95	-3,837.08	-10,832.32	2,913.04	2,522.87	390.17	7.466	
19,700.00	7,001.00	15,895.00	7,298.68	322.15	261.20	97.95	-3,837.08	-10,832.32	2,978.03	2,596.40	381.63	7.803	
19,800.00	7,001.00	15,895.00	7,298.68	324.74	261.20	97.95	-3,837.08	-10,832.32	3,044.91	2,671.64	373.27	8.157	
19,900.00	7,001.00	15,895.00	7,298.68	327.33	261.20	97.88	-3,837.08	-10,832.32	3,113.48	2,748.38	365.10	8.528	
20,000.00	7,001.00	15,895.00	7,298.68	329.92	261.20	97.63	-3,837.08	-10,832.32	3,181.87	2,824.93	356.94	8.914	
20,100.00	7,001.00	15,895.00	7,298.68	332.49	261.20	97.39	-3,837.08	-10,832.32	3,249.43	2,900.69	348.74	9.318	
20,200.00	7,001.00	15,895.00	7,298.68	335.04	261.20	97.32	-3,837.08	-10,832.32	3,316.77	2,976.21	340.56	9.739	
20,300.00	7,001.00	15,895.00	7,298.68	337.60	261.20	97.32	-3,837.08	-10,832.32	3,385.64	3,053.05	332.59	10.180	
20,400.00	7,001.00	15,895.00	7,298.68	340.16	261.20	97.32	-3,837.08	-10,832.32	3,456.02	3,131.18	324.84	10.639	
20,500.00	7,001.00	15,895.00	7,298.68	342.72	261.20	97.32	-3,837.08	-10,832.32	3,527.84	3,210.51	317.33	11.117	
20,600.00	7,001.00	15,895.00	7,298.68	345.29	261.20	97.32	-3,837.08	-10,832.32	3,601.00	3,290.94	310.06	11.614	
20,700.00	7,001.00	15,895.00	7,298.68	347.86	261.20	97.32	-3,837.08	-10,832.32	3,675.43	3,372.41	303.01	12.130	
20,800.00	7,001.00	15,895.00	7,298.68	350.43	261.20	97.32	-3,837.08	-10,832.32	3,751.04	3,454.83	296.21	12.663	
20,900.00	7,001.00	15,895.00	7,298.68	353.00	261.20	97.32	-3,837.08	-10,832.32	3,827.78	3,538.14	289.64	13.216	
21,000.00	7,001.00	15,895.00	7,298.68	355.58	261.20	97.32	-3,837.08	-10,832.32	3,905.56	3,622.27	283.30	13.786	
21,100.00	7,001.00	15,895.00	7,298.68	358.16	261.20	97.32	-3,837.08	-10,832.32	3,984.34	3,707.16	277.18	14.375	
21,121.77	7,001.00	15,895.00	7,298.68	358.72	261.20	97.32	-3,837.08	-10,832.32	4,001.62	3,725.74	275.88	14.505	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	98.78	98.78	0.27	0.14	-170.80	-1,405.53	-227.73	1,423.91	1,423.50	0.41	3,494.938		
200.00	200.00	205.97	205.95	0.63	0.46	-170.84	-1,404.52	-226.36	1,422.77	1,421.69	1.08	1,314.648		
300.00	300.00	301.88	301.85	0.99	0.80	-170.89	-1,403.53	-225.00	1,421.52	1,419.74	1.78	796.592		
400.00	399.98	380.90	380.87	1.33	1.07	-16.31	-1,403.31	-224.16	1,419.44	1,417.04	2.40	590.879		
500.00	499.84	464.72	464.67	1.67	1.36	-16.36	-1,404.21	-224.69	1,415.55	1,412.52	3.03	467.516		
600.00	599.45	551.62	551.55	2.03	1.65	-16.47	-1,405.81	-225.41	1,409.14	1,405.46	3.67	383.534		
700.00	698.70	629.69	629.58	2.41	1.93	-16.57	-1,407.99	-227.09	1,400.56	1,396.26	4.30	325.700		
800.00	797.47	700.00	699.76	2.81	2.17	-16.67	-1,411.20	-229.85	1,390.62	1,385.71	4.91	283.450		
900.00	895.62	776.64	776.10	3.25	2.45	-16.74	-1,415.86	-234.67	1,379.21	1,373.66	5.55	248.679		
1,000.00	993.06	849.80	848.77	3.72	2.72	-16.78	-1,421.23	-241.13	1,366.15	1,359.96	6.18	220.881		
1,100.00	1,089.64	929.31	927.51	4.23	3.03	-16.81	-1,428.38	-249.53	1,351.62	1,344.76	6.86	196.978		
1,200.00	1,185.27	1,010.69	1,007.96	4.78	3.36	-16.86	-1,436.31	-258.95	1,334.78	1,327.21	7.56	176.492		
1,300.00	1,279.82	1,082.00	1,078.02	5.38	3.66	-16.87	-1,444.43	-269.39	1,316.65	1,308.41	8.24	159.810		
1,400.00	1,373.17	1,144.48	1,139.01	6.03	3.94	-16.86	-1,452.78	-280.06	1,297.56	1,288.66	8.90	145.790		
1,500.00	1,465.21	1,215.89	1,208.35	6.72	4.28	-16.83	-1,463.77	-293.15	1,277.48	1,267.86	9.62	132.840		
1,600.00	1,555.84	1,290.11	1,280.07	7.47	4.65	-16.82	-1,476.38	-307.49	1,255.93	1,245.56	10.37	121.164		
1,700.00	1,644.94	1,367.00	1,353.84	8.27	5.05	-16.79	-1,490.81	-323.65	1,233.11	1,221.96	11.15	110.596		
1,800.00	1,732.39	1,431.93	1,415.55	9.12	5.43	-16.75	-1,504.04	-338.89	1,209.09	1,197.18	11.90	101.580		
1,900.00	1,818.11	1,519.15	1,497.65	10.02	5.95	-16.59	-1,522.82	-361.59	1,183.57	1,170.78	12.79	92.511		
2,000.00	1,901.97	1,599.08	1,572.73	10.98	6.46	-16.48	-1,540.25	-382.70	1,155.32	1,141.65	13.67	84.510		
2,100.00	1,983.88	1,667.00	1,636.07	11.98	6.90	-16.43	-1,556.40	-401.18	1,125.94	1,111.44	14.50	77.664		
2,200.00	2,063.74	1,743.35	1,706.46	13.04	7.44	-16.30	-1,575.71	-423.56	1,095.34	1,079.94	15.40	71.121		
2,300.00	2,141.45	1,811.68	1,768.52	14.14	7.96	-16.13	-1,593.79	-445.69	1,063.53	1,047.25	16.28	65.333		
2,400.00	2,216.92	1,876.62	1,826.55	15.30	8.47	-15.91	-1,612.22	-468.27	1,031.10	1,013.96	17.15	60.135		
2,500.00	2,290.05	1,953.00	1,893.61	16.50	9.12	-15.59	-1,636.04	-496.00	998.57	980.46	18.10	55.158		
2,600.00	2,360.76	2,005.51	1,939.03	17.76	9.59	-15.43	-1,653.74	-515.53	965.47	946.56	18.91	51.054		
2,700.00	2,428.95	2,074.70	1,998.11	19.05	10.24	-15.15	-1,678.48	-541.69	931.97	912.13	19.84	46.984		
2,800.00	2,494.55	2,143.00	2,055.51	20.39	10.90	-14.85	-1,704.15	-568.34	897.71	876.96	20.75	43.254		
2,900.00	2,557.49	2,218.68	2,117.80	21.78	11.68	-14.39	-1,733.64	-599.60	862.61	840.87	21.74	39.682		
3,000.00	2,619.27	2,293.45	2,177.88	23.18	12.49	-13.58	-1,763.61	-632.50	828.44	805.75	22.69	36.518		
3,100.00	2,681.04	2,383.87	2,249.51	24.60	13.50	-12.49	-1,800.89	-673.18	796.13	772.40	23.73	33.549		
3,200.00	2,742.82	2,473.04	2,320.80	26.02	14.51	-11.42	-1,837.69	-712.09	763.59	738.84	24.75	30.850		
3,300.00	2,804.59	2,559.26	2,388.38	27.44	15.50	-10.17	-1,873.90	-751.53	733.03	707.34	25.69	28.532		
3,400.00	2,866.37	2,666.25	2,473.23	28.87	16.74	-8.60	-1,918.60	-798.94	701.98	675.20	26.78	26.211		
3,500.00	2,928.15	2,775.65	2,561.77	30.30	17.96	-7.04	-1,963.56	-844.86	669.48	641.62	27.86	24.031		
3,600.00	2,989.92	2,873.15	2,641.83	31.73	19.04	-5.55	-2,002.29	-884.78	635.43	606.61	28.82	22.045		
3,700.00	3,051.70	2,966.24	2,717.29	33.17	20.10	-3.55	-2,037.32	-926.55	601.91	572.23	29.68	20.277		
3,800.00	3,113.47	3,068.42	2,800.58	34.61	21.25	-1.08	-2,075.08	-972.12	568.37	537.76	30.60	18.572		
3,900.00	3,175.25	3,159.48	2,875.74	36.05	22.27	1.28	-2,108.21	-1,011.44	534.30	502.81	31.49	16.969		
4,000.00	3,237.03	3,241.59	2,942.87	37.49	23.20	3.73	-2,138.47	-1,047.78	502.33	469.97	32.36	15.522		
4,100.00	3,298.80	3,330.27	3,014.23	38.93	24.23	6.80	-2,171.73	-1,088.57	473.39	439.96	33.43	14.160		
4,200.00	3,360.58	3,433.55	3,098.25	40.37	25.41	10.68	-2,210.22	-1,134.66	444.87	409.93	34.94	12.734		
4,300.00	3,422.35	3,525.53	3,174.36	41.82	26.45	14.40	-2,244.19	-1,173.59	416.07	379.41	36.67	11.348		
4,400.00	3,484.13	3,620.82	3,252.45	43.27	27.51	18.93	-2,279.17	-1,215.50	390.56	351.52	39.04	10.005		
4,500.00	3,545.90	3,717.90	3,333.82	44.72	28.58	24.03	-2,313.65	-1,255.68	364.51	322.34	42.17	8.643		
4,600.00	3,607.68	3,802.45	3,404.02	46.16	29.50	28.79	-2,345.36	-1,290.52	342.65	296.83	45.82	7.478		
4,700.00	3,669.46	3,895.02	3,480.19	47.61	30.53	34.70	-2,379.81	-1,330.29	325.72	275.02	50.71	6.424		
4,800.00	3,731.23	3,992.33	3,561.81	49.06	31.60	41.59	-2,414.53	-1,370.29	310.43	253.64	56.78	5.467		
4,900.00	3,793.01	4,076.83	3,632.53	50.52	32.51	48.35	-2,443.05	-1,406.69	301.63	238.26	63.36	4.760		
4,988.92	3,847.94	4,158.16	3,700.93	51.81	33.40	55.25	-2,469.37	-1,441.95	298.97	229.17	69.80	4.283 CC		
5,000.00	3,854.78	4,166.62	3,708.03	51.97	33.50	55.97	-2,472.11	-1,445.64	299.04	228.53	70.51	4.241 ES		
5,100.00	3,916.56	4,244.33	3,771.90	53.42	34.38	62.25	-2,498.59	-1,481.09	305.22	228.86	76.36	3.997		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	3,978.34	4,335.53	3,845.04	54.87	35.47	68.82	-2,531.70	-1,524.36	318.62	236.62	82.00	3.886		
5,300.00	4,040.11	4,429.27	3,919.80	56.32	36.60	74.85	-2,566.81	-1,568.69	336.06	249.16	86.90	3.867		
5,400.00	4,101.89	4,523.89	3,995.32	57.78	37.74	80.31	-2,602.75	-1,612.94	356.41	265.30	91.10	3.912		
5,500.00	4,163.66	4,628.98	4,081.04	59.23	38.95	86.07	-2,641.84	-1,659.46	377.88	282.68	95.20	3.969		
5,600.00	4,225.44	4,738.61	4,172.36	60.69	40.15	91.69	-2,683.82	-1,703.20	398.08	299.36	98.73	4.032		
5,700.00	4,287.21	4,826.53	4,244.19	62.14	41.15	95.39	-2,720.09	-1,738.63	419.65	318.68	100.97	4.156		
5,800.00	4,348.99	4,913.00	4,312.54	63.60	42.19	98.23	-2,756.75	-1,776.82	445.08	342.13	102.95	4.323		
5,900.00	4,410.77	5,013.88	4,392.65	65.05	43.39	101.28	-2,799.15	-1,821.07	471.81	366.51	105.30	4.481		
6,000.00	4,472.54	5,104.00	4,466.34	66.51	44.41	104.14	-2,836.83	-1,856.71	496.95	390.04	106.92	4.648		
6,100.00	4,534.32	5,181.85	4,528.57	67.96	45.34	106.12	-2,869.62	-1,889.99	525.17	417.10	108.07	4.860		
6,200.00	4,596.09	5,271.97	4,597.45	69.42	46.49	107.64	-2,907.38	-1,934.14	557.60	447.68	109.92	5.073		
6,300.00	4,657.87	5,378.93	4,679.51	70.88	47.86	109.29	-2,953.07	-1,985.32	589.18	476.71	112.47	5.239		
6,400.00	4,719.64	5,479.93	4,756.32	72.33	49.16	110.60	-2,998.09	-2,033.00	619.24	504.49	114.75	5.396		
6,500.00	4,781.42	5,577.11	4,831.41	73.79	50.38	111.92	-3,041.12	-2,077.21	648.90	532.13	116.76	5.557		
6,600.00	4,843.20	5,668.26	4,902.28	75.25	51.52	113.11	-3,081.17	-2,118.21	678.85	560.33	118.51	5.728		
6,700.00	4,904.97	5,763.63	4,975.62	76.71	52.73	114.14	-3,123.30	-2,162.26	709.46	588.98	120.48	5.889		
6,800.00	4,966.75	5,862.52	5,052.81	78.16	53.94	115.28	-3,166.65	-2,206.31	739.77	617.33	122.44	6.042		
6,900.00	5,028.52	5,949.21	5,122.50	79.62	54.96	116.46	-3,203.37	-2,242.51	770.32	646.54	123.78	6.223		
7,000.00	5,090.30	6,026.24	5,184.97	81.08	55.86	117.49	-3,234.73	-2,274.87	802.73	677.97	124.76	6.434		
7,100.00	5,152.08	6,107.43	5,250.89	82.54	56.81	118.48	-3,266.31	-2,310.22	837.54	711.65	125.89	6.653		
7,200.00	5,213.85	6,219.29	5,339.32	83.99	58.16	119.47	-3,312.04	-2,361.20	871.73	743.45	128.28	6.796		
7,300.00	5,275.63	6,307.92	5,410.82	85.45	59.21	120.38	-3,348.35	-2,398.93	904.90	775.20	129.70	6.977		
7,400.00	5,337.40	6,370.00	5,461.15	86.91	59.94	120.99	-3,372.68	-2,425.92	940.29	810.08	130.21	7.221		
7,500.00	5,399.18	6,451.97	5,527.74	88.37	60.89	121.72	-3,403.36	-2,462.59	977.75	846.32	131.42	7.440		
7,600.00	5,460.95	6,517.98	5,581.80	89.83	61.65	122.31	-3,426.70	-2,492.40	1,017.28	885.27	132.01	7.706		
7,700.00	5,522.73	6,604.63	5,653.18	91.29	62.67	123.04	-3,455.47	-2,532.21	1,059.03	925.63	133.40	7.939		
7,800.00	5,584.51	6,735.29	5,756.93	92.75	64.25	123.71	-3,503.53	-2,595.40	1,098.50	961.76	136.74	8.033		
7,900.00	5,646.28	6,835.47	5,836.68	94.20	65.42	124.43	-3,541.13	-2,639.44	1,136.10	997.51	138.59	8.197		
8,000.00	5,708.06	6,917.20	5,905.78	95.66	66.35	125.01	-3,571.52	-2,674.83	1,173.96	1,034.15	139.81	8.397		
8,100.00	5,769.83	7,046.89	6,010.98	97.12	67.87	125.77	-3,620.94	-2,732.36	1,211.59	1,068.97	142.62	8.495		
8,200.00	5,831.61	7,134.00	6,079.72	98.58	68.95	126.11	-3,656.06	-2,772.71	1,247.62	1,103.30	144.32	8.645		
8,300.00	5,893.39	7,232.34	6,157.31	100.04	70.16	126.46	-3,695.83	-2,818.19	1,283.57	1,137.19	146.38	8.769		
8,400.00	5,955.16	7,332.06	6,239.49	101.50	71.28	127.11	-3,734.98	-2,858.80	1,319.16	1,171.14	148.02	8.912		
8,500.00	6,016.94	7,448.76	6,337.71	102.96	72.51	128.04	-3,781.31	-2,901.53	1,353.29	1,203.54	149.75	9.037		
8,600.00	6,078.71	7,516.00	6,393.60	104.42	73.24	128.48	-3,808.36	-2,927.32	1,387.78	1,237.29	150.50	9.221		
8,700.00	6,140.49	7,583.35	6,449.69	105.88	73.97	128.90	-3,834.46	-2,953.92	1,424.07	1,272.83	151.24	9.416		
8,800.00	6,202.26	7,680.81	6,531.96	107.34	75.01	129.54	-3,870.37	-2,991.91	1,462.04	1,309.37	152.67	9.577		
8,900.00	6,264.04	7,757.86	6,596.64	108.80	75.85	130.00	-3,899.38	-3,022.09	1,499.47	1,345.83	153.64	9.760		
9,000.00	6,325.82	7,830.79	6,656.86	110.26	76.66	130.31	-3,926.13	-3,053.31	1,538.56	1,383.89	154.67	9.948		
9,100.00	6,387.59	7,917.72	6,727.40	111.72	77.70	130.57	-3,958.29	-3,092.63	1,577.97	1,421.69	156.29	10.097		
9,200.00	6,449.37	7,993.00	6,785.40	113.18	78.66	130.56	-3,986.10	-3,131.69	1,618.58	1,460.67	157.91	10.250		
9,300.00	6,511.14	8,029.36	6,811.78	114.64	79.19	130.45	-3,999.18	-3,153.01	1,660.97	1,502.72	158.25	10.496		
9,400.00	6,572.92	8,088.00	6,851.31	116.10	80.06	130.09	-4,019.12	-3,191.42	1,706.11	1,546.38	159.73	10.681		
9,500.00	6,634.70	8,119.25	6,870.96	117.56	80.57	129.83	-4,029.21	-3,213.52	1,753.32	1,593.42	159.90	10.965		
9,600.00	6,696.47	8,184.00	6,909.36	119.02	81.63	129.19	-4,049.26	-3,261.62	1,802.70	1,640.69	162.01	11.127		
9,700.00	6,758.22	8,212.05	6,925.01	120.48	82.11	127.50	-4,057.51	-3,283.39	1,853.82	1,691.86	161.96	11.446		
9,800.00	6,817.23	8,252.64	6,946.59	122.00	82.81	115.98	-4,068.78	-3,315.86	1,901.77	1,739.41	162.36	11.713		
9,900.00	6,870.40	8,300.73	6,970.49	123.58	83.66	106.90	-4,081.16	-3,355.71	1,941.93	1,779.06	162.86	11.924		
10,000.00	6,916.13	8,375.00	7,003.68	125.16	85.00	100.12	-4,099.09	-3,419.67	1,972.79	1,807.84	164.95	11.960		
10,100.00	6,953.01	8,405.10	7,015.94	126.69	85.55	95.47	-4,105.79	-3,446.32	1,993.46	1,829.80	163.66	12.181		
10,200.00	6,979.94	8,470.00	7,040.69	128.11	86.75	92.77	-4,118.12	-3,505.03	2,004.81	1,840.03	164.78	12.167		
10,300.00	6,996.09	8,470.00	7,040.69	129.37	86.75	91.46	-4,118.12	-3,505.03	2,005.63	1,844.90	160.74	12.478		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	7,001.00	8,470.00	7,040.69	130.45	86.75	91.52	-4,118.12	-3,505.03	1,998.53	1,842.07	156.46	12.773		
10,500.00	7,001.00	8,523.99	7,057.76	131.44	87.72	92.02	-4,124.89	-3,555.76	1,987.85	1,831.24	156.60	12.693		
10,600.00	7,001.00	8,565.00	7,067.23	132.48	88.46	92.29	-4,126.93	-3,595.59	1,982.37	1,826.76	155.62	12.739		
10,693.41	7,001.00	8,565.00	7,067.23	133.47	88.46	92.29	-4,126.93	-3,595.59	1,980.17	1,828.94	151.23	13.094		
10,700.00	7,001.00	8,565.00	7,067.23	133.54	88.46	92.29	-4,126.93	-3,595.59	1,980.18	1,829.27	150.91	13.121		
10,800.00	7,001.00	8,616.68	7,075.49	134.64	89.35	92.53	-4,126.75	-3,646.59	1,981.41	1,830.62	150.78	13.141		
10,900.00	7,001.00	8,661.00	7,079.86	135.77	90.12	92.66	-4,124.94	-3,690.65	1,985.71	1,835.76	149.95	13.242		
11,000.00	7,001.00	8,801.58	7,081.10	136.94	92.56	92.68	-4,118.18	-3,830.99	1,990.47	1,832.53	157.94	12.602		
11,100.00	7,001.00	8,951.02	7,076.92	138.14	95.27	92.56	-4,114.18	-3,980.32	1,992.91	1,826.13	166.78	11.949		
11,200.00	7,001.00	9,088.13	7,072.32	139.38	97.86	92.42	-4,112.53	-4,117.32	1,994.11	1,819.54	174.58	11.423		
11,300.00	7,001.00	9,348.55	7,071.11	140.65	103.16	92.40	-4,125.50	-4,377.29	1,988.42	1,794.90	193.52	10.275		
11,400.00	7,001.00	9,391.68	7,071.22	141.95	104.07	92.41	-4,128.24	-4,420.34	1,981.42	1,788.33	193.09	10.262		
11,500.00	7,001.00	9,450.68	7,070.77	143.29	105.31	92.40	-4,131.03	-4,479.27	1,976.51	1,782.51	194.00	10.188		
11,600.00	7,001.00	9,521.00	7,069.30	144.66	106.78	92.36	-4,132.83	-4,549.55	1,973.63	1,777.71	195.92	10.074		
11,700.00	7,001.00	9,587.36	7,067.34	146.06	108.16	92.31	-4,133.43	-4,615.88	1,972.33	1,774.88	197.45	9.989		
11,800.00	7,001.00	9,703.52	7,063.26	147.50	110.61	92.19	-4,134.04	-4,731.96	1,971.58	1,767.92	203.67	9.680		
11,887.20	7,001.00	9,761.00	7,061.03	148.78	111.83	92.12	-4,134.40	-4,789.39	1,970.84	1,765.85	204.99	9.614		
11,900.00	7,001.00	9,768.82	7,060.74	148.97	112.00	92.12	-4,134.37	-4,797.21	1,970.85	1,765.73	205.12	9.608		
12,000.00	7,001.00	9,866.67	7,057.47	150.47	114.09	92.02	-4,133.23	-4,895.00	1,971.74	1,762.07	209.68	9.404		
12,100.00	7,001.00	9,991.66	7,054.02	152.00	116.81	91.92	-4,133.47	-5,019.94	1,971.28	1,754.42	216.86	9.090		
12,200.00	7,001.00	10,115.01	7,050.28	153.57	119.54	91.81	-4,135.28	-5,143.22	1,969.53	1,745.63	223.90	8.797		
12,300.00	7,001.00	10,200.43	7,048.40	155.16	121.46	91.76	-4,136.46	-5,228.61	1,967.92	1,740.53	227.39	8.654		
12,400.00	7,001.00	10,337.20	7,047.34	156.79	124.56	91.73	-4,139.30	-5,365.35	1,965.71	1,729.93	235.77	8.337		
12,500.00	7,001.00	10,421.50	7,046.62	158.44	126.50	91.71	-4,141.98	-5,449.60	1,962.45	1,723.21	239.23	8.203		
12,600.00	7,001.00	10,492.20	7,047.01	160.13	128.12	91.72	-4,142.81	-5,520.29	1,961.05	1,719.64	241.41	8.123		
12,700.00	7,001.00	10,640.24	7,048.09	161.84	131.57	91.76	-4,146.36	-5,668.27	1,958.36	1,707.39	250.96	7.803		
12,800.00	7,001.00	10,747.14	7,048.21	163.58	134.08	91.77	-4,150.05	-5,775.12	1,954.77	1,698.15	256.62	7.617		
12,900.00	7,001.00	10,847.33	7,047.55	165.35	136.45	91.75	-4,153.66	-5,875.24	1,951.02	1,689.36	261.65	7.456		
13,000.00	7,001.00	10,911.53	7,047.01	167.14	137.98	91.74	-4,155.48	-5,939.40	1,948.08	1,684.79	263.30	7.399		
13,100.00	7,001.00	10,975.50	7,047.59	168.97	139.49	91.75	-4,155.96	-6,003.37	1,947.18	1,682.31	264.87	7.352		
13,104.59	7,001.00	10,978.94	7,047.64	169.05	139.57	91.76	-4,155.95	-6,006.81	1,947.18	1,682.19	264.99	7.348		
13,200.00	7,001.00	11,050.00	7,048.90	170.81	141.25	91.79	-4,155.46	-6,077.86	1,947.76	1,680.33	267.43	7.283		
13,300.00	7,001.00	11,132.07	7,050.02	172.68	143.19	91.82	-4,153.99	-6,159.91	1,949.46	1,678.73	270.73	7.201		
13,400.00	7,001.00	11,216.76	7,050.34	174.58	145.20	91.83	-4,151.70	-6,244.56	1,952.04	1,677.75	274.29	7.117		
13,500.00	7,001.00	11,346.21	7,053.04	176.50	148.28	91.91	-4,148.45	-6,373.93	1,954.56	1,672.18	282.37	6.922		
13,600.00	7,001.00	11,438.55	7,056.39	178.44	150.50	92.00	-4,146.79	-6,466.19	1,956.32	1,669.57	286.76	6.822		
13,700.00	7,001.00	11,541.74	7,061.69	180.41	152.99	92.16	-4,145.19	-6,569.23	1,957.93	1,665.69	292.23	6.700		
13,800.00	7,001.00	11,623.00	7,067.14	182.39	154.96	92.31	-4,143.28	-6,650.28	1,960.35	1,664.83	295.52	6.634		
13,900.00	7,001.00	11,752.01	7,076.29	184.40	158.10	92.58	-4,140.24	-6,778.93	1,963.05	1,659.46	303.59	6.466		
14,000.00	7,001.00	11,879.85	7,082.33	186.43	161.24	92.75	-4,140.62	-6,906.62	1,962.64	1,651.15	311.49	6.301		
14,037.48	7,001.00	11,911.74	7,083.76	187.19	162.03	92.80	-4,140.67	-6,938.48	1,962.62	1,649.73	312.89	6.273		
14,100.00	7,001.00	11,977.00	7,086.78	188.48	163.65	92.88	-4,140.73	-7,003.67	1,962.61	1,646.22	316.40	6.203		
14,200.00	7,001.00	12,089.32	7,090.96	190.54	166.44	93.01	-4,141.17	-7,115.90	1,962.28	1,639.51	322.77	6.079		
14,249.85	7,001.00	12,125.48	7,091.49	191.58	167.33	93.02	-4,141.33	-7,152.06	1,962.06	1,638.02	324.04	6.055		
14,300.00	7,001.00	12,156.96	7,091.82	192.63	168.11	93.03	-4,141.15	-7,183.53	1,962.30	1,637.48	324.81	6.041		
14,400.00	7,001.00	12,227.12	7,092.22	194.73	169.85	93.04	-4,139.76	-7,253.68	1,964.12	1,637.08	327.04	6.006		
14,500.00	7,001.00	12,315.59	7,092.77	196.85	172.04	93.05	-4,137.09	-7,342.11	1,967.02	1,635.93	331.09	5.941		
14,600.00	7,001.00	12,467.77	7,094.68	198.99	175.84	93.11	-4,133.70	-7,494.24	1,969.39	1,627.90	341.49	5.767		
14,700.00	7,001.00	12,600.50	7,097.91	201.14	179.18	93.20	-4,134.91	-7,626.91	1,968.32	1,618.47	349.85	5.626		
14,777.15	7,001.00	12,652.94	7,098.17	202.82	180.50	93.21	-4,135.18	-7,679.35	1,967.84	1,616.32	351.52	5.598		
14,800.00	7,001.00	12,672.00	7,097.96	203.31	180.99	93.20	-4,135.10	-7,698.41	1,967.89	1,615.54	352.34	5.585		
14,900.00	7,001.00	12,817.83	7,095.10	205.50	184.68	93.12	-4,136.62	-7,844.19	1,966.45	1,604.53	361.92	5.433		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	12,911.08	7,092.88	207.70	187.05	93.06	-4,138.29	-7,937.41	1,964.40	1,597.88	366.52	5.360		
15,100.00	7,001.00	13,026.85	7,092.59	209.91	190.00	93.06	-4,140.28	-8,053.15	1,962.59	1,589.36	373.23	5.258		
15,200.00	7,001.00	13,138.71	7,091.88	212.14	192.86	93.04	-4,143.49	-8,164.97	1,959.54	1,579.97	379.57	5.163		
15,300.00	7,001.00	13,220.11	7,091.78	214.38	194.95	93.04	-4,145.65	-8,246.34	1,956.76	1,573.66	383.10	5.108		
15,400.00	7,001.00	13,338.00	7,095.18	216.64	197.98	93.15	-4,149.57	-8,364.10	1,953.36	1,563.35	390.00	5.009		
15,500.00	7,001.00	13,410.48	7,097.30	218.90	199.85	93.21	-4,152.12	-8,436.50	1,950.15	1,557.44	392.71	4.966		
15,600.00	7,001.00	13,491.01	7,097.81	221.18	201.92	93.23	-4,152.72	-8,517.02	1,949.22	1,553.10	396.12	4.921		
15,700.00	7,001.00	13,606.53	7,096.24	223.47	204.89	93.19	-4,153.71	-8,632.53	1,948.17	1,545.30	402.87	4.836		
15,800.00	7,001.00	13,714.73	7,093.91	225.78	207.67	93.12	-4,155.39	-8,740.69	1,946.35	1,537.44	408.92	4.760		
15,900.00	7,001.00	13,854.20	7,090.15	228.09	211.28	93.02	-4,159.25	-8,880.05	1,943.29	1,525.48	417.82	4.651		
16,000.00	7,001.00	13,973.54	7,086.71	230.41	214.38	92.92	-4,164.36	-8,999.23	1,938.71	1,513.90	424.81	4.564		
16,100.00	7,001.00	14,114.27	7,082.96	232.75	218.04	92.82	-4,172.32	-9,139.69	1,932.85	1,499.27	433.59	4.458		
16,200.00	7,001.00	14,155.35	7,081.86	235.09	219.11	92.79	-4,174.26	-9,180.71	1,927.51	1,493.75	433.76	4.444		
16,300.00	7,001.00	14,212.43	7,080.21	237.45	220.59	92.75	-4,175.64	-9,237.75	1,924.70	1,489.61	435.09	4.424		
16,400.00	7,001.00	14,304.72	7,077.11	239.81	222.99	92.66	-4,176.87	-9,329.97	1,923.07	1,483.42	439.65	4.374		
16,500.00	7,001.00	14,387.00	7,074.03	242.18	225.12	92.57	-4,177.72	-9,412.19	1,921.79	1,478.55	443.24	4.336		
16,540.51	7,001.00	14,417.60	7,072.97	243.14	225.91	92.53	-4,177.83	-9,442.77	1,921.58	1,477.16	444.42	4.324		
16,600.00	7,001.00	14,450.94	7,072.08	244.56	226.78	92.51	-4,177.52	-9,476.10	1,921.98	1,477.03	444.96	4.319		
16,700.00	7,001.00	14,559.52	7,070.66	246.95	229.59	92.46	-4,175.98	-9,584.65	1,923.21	1,472.07	451.14	4.263		
16,796.85	7,001.00	14,674.00	7,068.50	249.27	232.57	92.40	-4,175.93	-9,699.11	1,922.93	1,464.89	458.04	4.198		
16,800.00	7,001.00	14,674.00	7,068.50	249.35	232.57	92.40	-4,175.93	-9,699.11	1,922.93	1,465.03	457.90	4.199		
16,900.00	7,001.00	14,748.81	7,066.11	251.75	234.51	92.33	-4,175.17	-9,773.88	1,923.70	1,463.01	460.69	4.176		
17,000.00	7,001.00	14,844.67	7,063.15	254.17	237.00	92.24	-4,173.23	-9,869.67	1,925.45	1,459.86	465.59	4.136		
17,100.00	7,001.00	15,011.16	7,053.36	256.59	241.33	91.95	-4,173.77	-10,035.82	1,924.35	1,446.94	477.40	4.031		
17,200.00	7,001.00	15,118.38	7,043.35	259.01	244.12	91.65	-4,174.97	-10,142.57	1,922.82	1,439.48	483.34	3.978		
17,300.00	7,001.00	15,216.71	7,033.59	261.45	246.68	91.36	-4,176.83	-10,240.40	1,920.52	1,432.09	488.44	3.932		
17,400.00	7,001.00	15,293.97	7,027.22	263.89	248.69	91.17	-4,177.73	-10,317.38	1,919.06	1,427.52	491.55	3.904		
17,462.05	7,001.00	15,341.00	7,024.16	265.41	249.92	91.08	-4,177.76	-10,364.31	1,918.85	1,425.48	493.36	3.889		
17,500.00	7,001.00	15,362.08	7,022.92	266.34	250.47	91.04	-4,177.60	-10,385.35	1,919.03	1,425.33	493.70	3.887		
17,600.00	7,001.00	15,437.00	7,018.29	268.79	252.42	90.90	-4,175.75	-10,460.11	1,921.08	1,424.65	496.43	3.870		
17,700.00	7,001.00	15,550.48	7,011.06	271.25	255.38	90.69	-4,172.61	-10,573.31	1,923.72	1,420.62	503.10	3.824		
17,800.00	7,001.00	15,686.18	7,001.23	273.72	258.92	90.39	-4,170.97	-10,708.64	1,924.88	1,412.96	511.92	3.760		
17,900.00	7,001.00	15,804.20	6,992.80	276.19	262.02	90.14	-4,172.09	-10,826.36	1,923.70	1,404.79	518.91	3.707 SF		
17,924.00	7,001.00	15,805.00	6,992.74	276.78	262.04	90.14	-4,172.10	-10,827.15	1,923.54	1,405.59	517.95	3.714		
18,000.00	7,001.00	15,805.00	6,992.74	278.67	262.04	90.14	-4,172.10	-10,827.15	1,925.01	1,410.85	514.15	3.744		
18,100.00	7,001.00	15,805.00	6,992.74	281.15	262.04	90.14	-4,172.10	-10,827.15	1,931.49	1,423.45	508.04	3.802		
18,200.00	7,001.00	15,805.00	6,992.74	283.64	262.04	90.14	-4,172.10	-10,827.15	1,943.14	1,442.41	500.73	3.881		
18,300.00	7,001.00	15,805.00	6,992.74	286.15	262.04	90.14	-4,172.10	-10,827.15	1,961.92	1,469.55	492.37	3.985		
18,400.00	7,001.00	15,805.00	6,992.74	288.68	262.04	90.14	-4,172.10	-10,827.15	1,988.91	1,505.76	483.15	4.117		
18,500.00	7,001.00	15,805.00	6,992.74	291.24	262.04	90.14	-4,172.10	-10,827.15	2,023.12	1,549.83	473.29	4.275		
18,600.00	7,001.00	15,805.00	6,992.74	293.80	262.04	90.14	-4,172.10	-10,827.15	2,061.84	1,598.95	462.89	4.454		
18,700.00	7,001.00	15,805.00	6,992.74	296.36	262.04	90.14	-4,172.10	-10,827.15	2,104.60	1,652.51	452.09	4.655		
18,800.00	7,001.00	15,805.00	6,992.74	298.93	262.04	90.14	-4,172.10	-10,827.15	2,151.16	1,710.15	441.01	4.878		
18,900.00	7,001.00	15,805.00	6,992.74	301.50	262.04	90.14	-4,172.10	-10,827.15	2,201.28	1,771.49	429.79	5.122		
19,000.00	7,001.00	15,805.00	6,992.74	304.07	262.04	90.14	-4,172.10	-10,827.15	2,254.73	1,836.20	418.53	5.387		
19,100.00	7,001.00	15,805.00	6,992.74	306.65	262.04	90.14	-4,172.10	-10,827.15	2,311.27	1,903.94	407.33	5.674		
19,200.00	7,001.00	15,805.00	6,992.74	309.23	262.04	90.14	-4,172.10	-10,827.15	2,370.68	1,974.42	396.25	5.983		
19,300.00	7,001.00	15,805.00	6,992.74	311.81	262.04	90.14	-4,172.10	-10,827.15	2,432.75	2,047.38	385.37	6.313		
19,400.00	7,001.00	15,805.00	6,992.74	314.39	262.04	90.14	-4,172.10	-10,827.15	2,497.28	2,122.55	374.74	6.664		
19,500.00	7,001.00	15,805.00	6,992.74	316.97	262.04	90.14	-4,172.10	-10,827.15	2,564.10	2,199.71	364.39	7.037		
19,600.00	7,001.00	15,805.00	6,992.74	319.56	262.04	90.14	-4,172.10	-10,827.15	2,633.01	2,278.66	354.35	7.431		
19,700.00	7,001.00	15,805.00	6,992.74	322.15	262.04	90.14	-4,172.10	-10,827.15	2,703.87	2,359.22	344.64	7.845		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	
19,800.00	7,001.00	15,805.00	6,992.74	324.74	262.04	90.14	-4,172.10	-10,827.15	2,776.52	2,441.23	335.28	8.281	
19,900.00	7,001.00	15,805.00	6,992.74	327.33	262.04	90.14	-4,172.10	-10,827.15	2,850.73	2,524.47	326.26	8.737	
20,000.00	7,001.00	15,805.00	6,992.74	329.92	262.04	90.14	-4,172.10	-10,827.15	2,924.79	2,607.44	317.35	9.216	
20,100.00	7,001.00	15,805.00	6,992.74	332.49	262.04	90.13	-4,172.10	-10,827.15	2,998.05	2,689.60	308.45	9.720	
20,200.00	7,001.00	15,805.00	6,992.74	335.04	262.04	90.13	-4,172.10	-10,827.15	3,071.11	2,771.45	299.66	10.249	
20,300.00	7,001.00	15,805.00	6,992.74	337.60	262.04	90.13	-4,172.10	-10,827.15	3,145.56	2,854.36	291.20	10.802	
20,400.00	7,001.00	15,805.00	6,992.74	340.16	262.04	90.13	-4,172.10	-10,827.15	3,221.39	2,938.30	283.09	11.379	
20,500.00	7,001.00	15,805.00	6,992.74	342.72	262.04	90.13	-4,172.10	-10,827.15	3,298.52	3,023.20	275.32	11.981	
20,600.00	7,001.00	15,805.00	6,992.74	345.29	262.04	90.13	-4,172.10	-10,827.15	3,376.84	3,108.97	267.87	12.606	
20,700.00	7,001.00	15,805.00	6,992.74	347.86	262.04	90.13	-4,172.10	-10,827.15	3,456.28	3,195.53	260.75	13.255	
20,800.00	7,001.00	15,805.00	6,992.74	350.43	262.04	90.13	-4,172.10	-10,827.15	3,536.77	3,282.82	253.95	13.927	
20,900.00	7,001.00	15,805.00	6,992.74	353.00	262.04	90.13	-4,172.10	-10,827.15	3,618.23	3,370.78	247.45	14.622	
21,000.00	7,001.00	15,805.00	6,992.74	355.58	262.04	90.13	-4,172.10	-10,827.15	3,700.60	3,459.35	241.25	15.339	
21,100.00	7,001.00	15,805.00	6,992.74	358.16	262.04	90.13	-4,172.10	-10,827.15	3,783.82	3,548.49	235.33	16.079	
21,121.77	7,001.00	15,805.00	6,992.74	358.72	262.04	90.13	-4,172.10	-10,827.15	3,802.04	3,567.97	234.07	16.243	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	100.35	100.35	0.27	0.14	-171.64	-1,426.58	-209.70	1,441.97	1,441.56	0.41	3,521.937		
200.00	200.00	207.94	207.93	0.63	0.46	-171.65	-1,425.39	-209.13	1,440.79	1,439.70	1.09	1,323.239		
300.00	300.00	289.61	289.59	0.99	0.74	-171.66	-1,424.69	-208.75	1,439.91	1,438.18	1.73	832.392		
400.00	399.98	371.59	371.57	1.33	1.02	-17.03	-1,425.14	-209.05	1,438.82	1,436.47	2.35	611.179		
500.00	499.84	461.52	461.49	1.67	1.34	-17.07	-1,426.42	-210.20	1,435.39	1,432.38	3.01	477.652		
600.00	599.45	542.41	542.34	2.03	1.62	-17.13	-1,427.97	-211.81	1,429.30	1,425.66	3.64	392.842		
700.00	698.70	605.00	604.85	2.41	1.84	-17.19	-1,430.33	-214.08	1,421.96	1,417.75	4.21	337.491		
800.00	797.47	684.07	683.69	2.81	2.13	-17.25	-1,434.77	-218.10	1,413.29	1,408.43	4.86	290.880		
900.00	895.62	760.00	759.26	3.25	2.42	-17.32	-1,440.23	-223.05	1,403.02	1,397.52	5.50	254.982		
1,000.00	993.06	831.42	830.16	3.72	2.69	-17.38	-1,446.39	-229.01	1,391.18	1,385.04	6.14	226.558		
1,100.00	1,089.64	900.47	898.43	4.23	2.97	-17.43	-1,453.70	-236.35	1,378.22	1,371.44	6.78	203.239		
1,200.00	1,185.27	986.00	982.59	4.78	3.33	-17.42	-1,463.85	-247.65	1,363.64	1,356.13	7.51	181.626		
1,300.00	1,279.82	1,067.21	1,062.17	5.38	3.69	-17.40	-1,474.12	-260.15	1,346.87	1,338.63	8.24	163.464		
1,400.00	1,373.17	1,145.61	1,138.73	6.03	4.06	-17.38	-1,484.76	-273.29	1,328.00	1,319.02	8.98	147.919		
1,500.00	1,465.21	1,210.52	1,201.83	6.72	4.38	-17.39	-1,494.59	-284.88	1,307.68	1,298.01	9.67	135.166		
1,600.00	1,555.84	1,272.00	1,261.12	7.47	4.69	-17.42	-1,505.70	-296.77	1,287.05	1,276.68	10.37	124.105		
1,700.00	1,644.94	1,327.37	1,313.97	8.27	5.01	-17.43	-1,517.18	-308.61	1,266.15	1,255.09	11.06	114.470		
1,800.00	1,732.39	1,392.60	1,375.48	9.12	5.39	-17.39	-1,532.23	-324.26	1,244.86	1,233.05	11.82	105.347		
1,900.00	1,818.11	1,462.00	1,440.41	10.02	5.82	-17.33	-1,549.34	-341.78	1,222.34	1,209.72	12.62	96.881		
2,000.00	1,901.97	1,535.47	1,508.43	10.98	6.32	-17.24	-1,568.67	-361.71	1,198.63	1,185.16	13.47	88.989		
2,100.00	1,983.88	1,616.04	1,582.02	11.98	6.90	-17.09	-1,591.30	-385.44	1,173.87	1,159.49	14.39	81.595		
2,200.00	2,063.74	1,697.09	1,655.92	13.04	7.50	-16.97	-1,614.47	-409.36	1,146.56	1,131.23	15.33	74.780		
2,300.00	2,141.45	1,762.00	1,714.25	14.14	8.00	-16.89	-1,634.27	-429.81	1,118.38	1,102.19	16.19	69.070		
2,400.00	2,216.92	1,820.87	1,766.19	15.30	8.51	-16.79	-1,653.58	-449.67	1,089.94	1,072.90	17.04	63.977		
2,500.00	2,290.05	1,888.87	1,824.97	16.50	9.11	-16.60	-1,677.53	-474.04	1,061.32	1,043.37	17.95	59.116		
2,600.00	2,360.76	1,967.99	1,892.30	17.76	9.85	-16.27	-1,706.11	-504.22	1,031.28	1,012.31	18.97	54.377		
2,700.00	2,428.95	2,048.00	1,959.07	19.05	10.64	-15.84	-1,735.67	-536.91	999.82	979.83	19.99	50.005		
2,800.00	2,494.55	2,111.80	2,011.16	20.39	11.32	-15.45	-1,760.02	-564.55	967.37	946.46	20.91	46.263		
2,900.00	2,557.49	2,202.22	2,083.84	21.78	12.30	-14.74	-1,795.65	-604.83	933.79	911.76	22.02	42.400		
3,000.00	2,619.27	2,286.96	2,152.58	23.18	13.24	-13.96	-1,829.16	-641.35	898.68	875.59	23.09	38.923		
3,100.00	2,681.04	2,375.25	2,222.90	24.60	14.22	-12.98	-1,864.86	-681.03	865.38	841.24	24.14	35.848		
3,200.00	2,742.82	2,489.00	2,315.43	26.02	15.48	-11.85	-1,910.55	-728.87	830.86	805.49	25.37	32.750		
3,300.00	2,804.59	2,568.37	2,380.97	27.44	16.35	-11.14	-1,942.42	-760.30	795.61	769.27	26.34	30.207		
3,400.00	2,866.37	2,641.98	2,440.07	28.87	17.17	-10.32	-1,973.49	-791.26	763.50	736.29	27.21	28.058		
3,500.00	2,928.15	2,749.46	2,526.73	30.30	18.38	-9.15	-2,019.47	-835.16	731.78	703.46	28.32	25.835		
3,600.00	2,989.92	2,845.53	2,605.73	31.73	19.44	-8.21	-2,059.95	-871.90	698.38	669.03	29.35	23.794		
3,700.00	3,051.70	2,921.68	2,666.71	33.17	20.31	-7.07	-2,091.82	-904.50	667.11	636.96	30.15	22.129		
3,800.00	3,113.47	3,011.63	2,737.63	34.61	21.38	-5.50	-2,129.95	-944.58	637.74	606.74	31.00	20.572		
3,900.00	3,175.25	3,119.36	2,823.46	36.05	22.64	-3.60	-2,175.80	-990.82	608.18	576.19	31.98	19.015		
4,000.00	3,237.03	3,224.11	2,909.12	37.49	23.81	-1.82	-2,219.41	-1,032.43	576.30	543.34	32.96	17.485		
4,100.00	3,298.80	3,311.34	2,980.10	38.93	24.79	-0.15	-2,256.02	-1,067.51	545.53	511.72	33.81	16.136		
4,200.00	3,360.58	3,407.22	3,058.58	40.37	25.87	1.80	-2,296.25	-1,105.12	514.72	479.96	34.76	14.807		
4,300.00	3,422.35	3,483.44	3,119.73	41.82	26.74	3.71	-2,328.61	-1,137.07	486.73	451.14	35.59	13.675		
4,400.00	3,484.13	3,603.35	3,216.68	43.27	28.11	7.05	-2,378.85	-1,186.58	458.73	421.73	37.00	12.399		
4,500.00	3,545.90	3,707.22	3,303.86	44.72	29.23	10.10	-2,419.94	-1,225.29	426.70	388.26	38.44	11.101		
4,600.00	3,607.68	3,787.87	3,370.92	46.16	30.11	13.16	-2,450.99	-1,257.58	397.04	356.99	40.05	9.914		
4,700.00	3,669.46	3,871.04	3,438.55	47.61	31.06	16.99	-2,483.20	-1,293.70	371.94	329.68	42.26	8.802		
4,800.00	3,731.23	3,978.28	3,526.90	49.06	32.26	22.68	-2,523.20	-1,339.45	347.49	301.67	45.82	7.583		
4,900.00	3,793.01	4,065.20	3,598.76	50.52	33.23	27.62	-2,556.65	-1,375.10	325.42	275.56	49.86	6.527		
5,000.00	3,854.78	4,154.66	3,671.93	51.97	34.24	32.96	-2,592.90	-1,411.62	307.62	252.79	54.83	5.610		
5,100.00	3,916.56	4,244.00	3,744.12	53.42	35.27	38.79	-2,629.58	-1,449.38	294.99	234.22	60.77	4.854		
5,200.00	3,978.34	4,333.09	3,815.43	54.87	36.33	44.95	-2,666.34	-1,488.10	287.69	220.26	67.43	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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
5,300.00	4,040.11	4,427.95	3,891.13	56.32	37.45	51.56	-2,706.26	-1,529.03	284.59	210.05	74.54	3.818		
5,332.02	4,059.89	4,458.33	3,915.33	56.79	37.82	53.65	-2,719.26	-1,542.00	284.40	207.60	76.80	3.703 CC		
5,400.00	4,101.89	4,523.03	3,966.73	57.78	38.59	58.00	-2,747.37	-1,569.46	285.24	203.80	81.45	3.502		
5,500.00	4,163.66	4,628.39	4,051.44	59.23	39.81	65.06	-2,793.07	-1,612.29	287.90	199.49	88.41	3.257		
5,600.00	4,225.44	4,722.00	4,127.92	60.69	40.86	71.39	-2,833.11	-1,648.50	292.48	198.14	94.35	3.100 ES		
5,700.00	4,287.21	4,812.79	4,201.92	62.14	41.89	77.27	-2,871.85	-1,684.08	301.46	202.12	99.34	3.035 SF		
5,800.00	4,348.99	4,894.17	4,267.83	63.60	42.83	82.25	-2,905.61	-1,717.81	316.44	213.48	102.96	3.073		
5,900.00	4,410.77	4,974.24	4,331.79	65.05	43.79	86.68	-2,937.53	-1,753.87	338.26	232.68	105.58	3.204		
6,000.00	4,472.54	5,066.17	4,403.57	66.51	44.93	90.86	-2,974.23	-1,798.05	364.97	256.63	108.34	3.369		
6,100.00	4,534.32	5,173.63	4,487.83	67.96	46.27	95.10	-3,018.46	-1,847.91	391.51	279.89	111.62	3.507		
6,200.00	4,596.09	5,287.53	4,575.73	69.42	47.68	98.58	-3,070.60	-1,898.14	414.94	300.17	114.76	3.616		
6,300.00	4,657.87	5,390.42	4,659.23	70.88	48.85	102.23	-3,115.98	-1,937.54	436.38	319.53	116.85	3.735		
6,400.00	4,719.64	5,474.16	4,728.47	72.33	49.77	105.21	-3,151.43	-1,968.52	459.62	341.68	117.94	3.897		
6,500.00	4,781.42	5,558.25	4,797.37	73.79	50.71	107.79	-3,186.46	-2,001.66	486.20	367.32	118.88	4.090		
6,600.00	4,843.20	5,652.19	4,873.29	75.25	51.81	110.18	-3,225.53	-2,040.80	515.15	394.92	120.24	4.285		
6,700.00	4,904.97	5,757.20	4,956.40	76.71	53.06	112.27	-3,271.83	-2,085.24	543.20	421.08	122.12	4.448		
6,800.00	4,966.75	5,852.11	5,031.97	78.16	54.19	114.07	-3,314.15	-2,124.05	570.65	447.12	123.53	4.619		
6,900.00	5,028.52	5,936.26	5,098.98	79.62	55.18	115.51	-3,351.14	-2,159.01	599.45	474.90	124.55	4.813		
7,000.00	5,090.30	6,016.05	5,162.83	81.08	56.13	116.77	-3,384.69	-2,193.14	630.79	505.42	125.37	5.031		
7,100.00	5,152.08	6,100.60	5,231.02	82.54	57.13	118.05	-3,418.64	-2,229.83	664.34	537.99	126.35	5.258		
7,200.00	5,213.85	6,199.66	5,310.49	83.99	58.30	119.35	-3,458.87	-2,273.16	697.97	569.97	128.00	5.453		
7,300.00	5,275.63	6,285.96	5,378.55	85.45	59.35	120.21	-3,494.38	-2,312.59	732.13	602.81	129.31	5.662		
7,400.00	5,337.40	6,375.29	5,450.72	86.91	60.41	121.24	-3,529.69	-2,351.58	767.13	636.57	130.57	5.875		
7,500.00	5,399.18	6,473.82	5,531.47	88.37	61.53	122.45	-3,568.25	-2,392.82	802.09	670.07	132.02	6.076		
7,600.00	5,460.95	6,548.83	5,593.02	89.83	62.38	123.29	-3,597.09	-2,424.54	838.07	705.44	132.63	6.319		
7,700.00	5,522.73	6,678.07	5,699.46	91.29	63.84	124.70	-3,647.72	-2,477.52	873.19	738.09	135.10	6.463		
7,800.00	5,584.51	6,767.14	5,772.16	92.75	64.85	125.54	-3,684.20	-2,513.82	906.87	770.60	136.26	6.655		
7,900.00	5,646.28	6,860.33	5,847.67	94.20	65.93	126.29	-3,722.43	-2,552.80	940.96	803.29	137.67	6.835		
8,000.00	5,708.06	6,959.25	5,927.34	95.66	67.10	126.99	-3,763.60	-2,594.56	974.74	835.40	139.34	6.995		
8,100.00	5,769.83	7,044.02	5,995.01	97.12	68.11	127.48	-3,798.93	-2,631.42	1,008.90	868.23	140.67	7.172		
8,200.00	5,831.61	7,130.29	6,064.05	98.58	69.14	127.94	-3,834.29	-2,669.16	1,043.87	901.80	142.06	7.348		
8,300.00	5,893.39	7,193.55	6,115.77	100.04	69.85	128.36	-3,858.95	-2,695.97	1,080.47	937.95	142.51	7.581		
8,400.00	5,955.16	7,357.83	6,253.34	101.50	71.63	129.73	-3,922.57	-2,759.14	1,117.16	971.58	145.58	7.674		
8,500.00	6,016.94	7,470.05	6,345.47	102.96	72.87	130.56	-3,971.48	-2,800.53	1,148.27	1,001.09	147.18	7.802		
8,600.00	6,078.71	7,557.53	6,416.01	104.42	73.88	131.05	-4,010.40	-2,834.60	1,179.17	1,030.72	148.45	7.943		
8,700.00	6,140.49	7,648.74	6,488.45	105.88	74.97	131.40	-4,050.65	-2,872.72	1,211.08	1,061.06	150.02	8.073		
8,800.00	6,202.26	7,755.07	6,572.21	107.34	76.25	131.76	-4,098.54	-2,917.38	1,242.14	1,090.10	152.05	8.170		
8,900.00	6,264.04	7,833.49	6,633.96	108.80	77.20	132.01	-4,133.88	-2,950.38	1,273.33	1,119.98	153.36	8.303		
9,000.00	6,325.82	7,897.00	6,684.37	110.26	77.97	132.20	-4,161.19	-2,977.68	1,306.67	1,152.44	154.23	8.472		
9,100.00	6,387.59	7,973.20	6,744.91	111.72	78.89	132.39	-4,192.80	-3,011.48	1,341.76	1,186.26	155.50	8.629		
9,200.00	6,449.37	8,052.91	6,808.02	113.18	79.86	132.54	-4,225.23	-3,047.78	1,377.87	1,220.93	156.94	8.780		
9,300.00	6,511.14	8,133.94	6,872.63	114.64	80.84	132.71	-4,257.46	-3,084.56	1,414.85	1,256.47	158.39	8.933		
9,400.00	6,572.92	8,204.46	6,929.09	116.10	81.69	132.86	-4,284.95	-3,116.67	1,452.71	1,293.23	159.48	9.109		
9,500.00	6,634.70	8,256.48	6,970.53	117.56	82.32	132.92	-4,304.20	-3,141.52	1,492.73	1,332.77	159.96	9.332		
9,600.00	6,696.47	8,306.35	7,009.49	119.02	82.98	132.90	-4,321.65	-3,167.28	1,535.19	1,374.74	160.45	9.568		
9,700.00	6,758.22	8,375.00	7,057.44	120.48	83.93	131.20	-4,344.41	-3,210.67	1,580.32	1,418.01	162.31	9.736		
9,800.00	6,817.23	8,404.68	7,075.97	122.00	84.41	120.38	-4,353.73	-3,231.89	1,622.16	1,460.33	161.83	10.024		
9,900.00	6,870.40	8,470.00	7,113.22	123.58	85.46	111.65	-4,373.22	-3,281.84	1,657.10	1,493.94	163.16	10.156		
10,000.00	6,916.13	8,539.71	7,147.49	125.16	86.67	105.15	-4,393.00	-3,339.20	1,683.25	1,518.62	164.64	10.224		
10,100.00	6,953.01	8,565.00	7,158.50	126.69	87.11	100.62	-4,400.04	-3,360.85	1,700.34	1,537.98	162.36	10.473		
10,200.00	6,979.94	8,661.00	7,193.46	128.11	88.85	98.09	-4,422.60	-3,447.26	1,708.52	1,542.84	165.69	10.312		
10,300.00	6,996.09	8,706.25	7,206.52	129.37	89.68	97.17	-4,431.40	-3,489.68	1,707.61	1,542.90	164.71	10.367		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
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Reference Well:	MAVERICK 2W-20-02	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-15-7N - 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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning				
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)						
10,400.00	7,001.00	8,756.00	7,219.02	130.45	90.60	97.87	-4,441.30	-3,536.80	1,696.36	1,532.34	164.02	10.342					
10,500.00	7,001.00	8,807.99	7,229.79	131.44	91.55	98.28	-4,450.01	-3,586.89	1,683.05	1,519.54	163.51	10.293					
10,600.00	7,001.00	8,852.00	7,236.90	132.48	92.35	98.54	-4,454.62	-3,630.07	1,674.22	1,512.04	162.17	10.324					
10,700.00	7,001.00	8,885.34	7,240.57	133.54	92.93	98.68	-4,456.66	-3,663.14	1,668.94	1,509.24	159.70	10.451					
10,800.00	7,001.00	8,947.00	7,241.96	134.64	94.00	98.73	-4,457.96	-3,724.73	1,666.83	1,506.86	159.97	10.420					
10,900.00	7,001.00	9,038.50	7,241.59	135.77	95.57	98.72	-4,458.22	-3,816.21	1,666.31	1,503.03	163.28	10.205					
11,000.00	7,001.00	9,218.38	7,244.39	136.94	98.84	98.85	-4,464.45	-3,995.94	1,662.90	1,487.20	175.70	9.465					
11,100.00	7,001.00	9,329.00	7,246.85	138.14	100.96	98.97	-4,471.67	-4,106.29	1,656.62	1,475.48	181.14	9.145					
11,200.00	7,001.00	9,387.36	7,247.68	139.38	102.07	99.02	-4,474.80	-4,164.56	1,651.49	1,470.21	181.28	9.110					
11,300.00	7,001.00	9,472.86	7,245.41	140.65	103.71	98.95	-4,476.54	-4,250.01	1,648.83	1,464.62	184.20	8.951					
11,400.00	7,001.00	9,560.69	7,242.76	141.95	105.41	98.87	-4,478.85	-4,337.76	1,645.71	1,458.32	187.40	8.782					
11,490.40	7,001.00	9,616.00	7,242.39	143.16	106.48	98.86	-4,479.25	-4,393.07	1,644.81	1,457.08	187.73	8.761					
11,500.00	7,001.00	9,621.81	7,242.42	143.29	106.60	98.86	-4,479.23	-4,398.87	1,644.83	1,457.07	187.76	8.760					
11,600.00	7,001.00	9,720.90	7,243.44	144.66	108.54	98.90	-4,478.99	-4,497.96	1,645.09	1,452.88	192.22	8.559					
11,700.00	7,001.00	9,823.28	7,245.66	146.06	110.58	98.97	-4,478.96	-4,600.31	1,645.32	1,448.25	197.07	8.349					
11,788.36	7,001.00	9,913.99	7,246.68	147.33	112.41	99.01	-4,479.00	-4,691.02	1,645.33	1,443.90	201.42	8.169					
11,800.00	7,001.00	9,923.88	7,246.72	147.50	112.61	99.01	-4,478.98	-4,700.91	1,645.33	1,443.56	201.77	8.154					
11,900.00	7,001.00	10,009.55	7,247.53	148.97	114.36	99.04	-4,478.50	-4,786.57	1,645.89	1,441.02	204.87	8.034					
12,000.00	7,001.00	10,107.32	7,247.34	150.47	116.37	99.02	-4,477.11	-4,884.33	1,647.13	1,437.80	209.33	7.869					
12,099.78	7,001.00	10,225.44	7,248.36	152.00	118.85	99.06	-4,477.27	-5,002.44	1,646.87	1,430.81	216.06	7.622					
12,100.00	7,001.00	10,225.59	7,248.36	152.00	118.85	99.06	-4,477.27	-5,002.59	1,646.87	1,430.81	216.07	7.622					
12,200.00	7,001.00	10,297.75	7,247.68	153.57	120.38	99.03	-4,476.34	-5,074.74	1,647.83	1,430.07	217.76	7.567					
12,300.00	7,001.00	10,398.10	7,246.02	155.16	122.51	98.96	-4,474.12	-5,175.04	1,649.62	1,427.03	222.59	7.411					
12,400.00	7,001.00	10,534.68	7,243.87	156.79	125.46	98.88	-4,472.59	-5,311.60	1,650.41	1,418.95	231.45	7.131					
12,500.00	7,001.00	10,637.53	7,242.31	158.44	127.72	98.83	-4,473.25	-5,414.44	1,649.39	1,412.78	236.62	6.971					
12,600.00	7,001.00	10,764.64	7,239.81	160.13	130.55	98.75	-4,474.23	-5,541.52	1,648.28	1,403.84	244.44	6.743					
12,700.00	7,001.00	10,890.54	7,236.71	161.84	133.41	98.67	-4,477.99	-5,667.32	1,644.74	1,392.62	252.12	6.524					
12,800.00	7,001.00	10,954.00	7,234.60	163.58	134.87	98.61	-4,479.95	-5,730.71	1,641.37	1,388.25	253.12	6.485					
12,900.00	7,001.00	11,029.86	7,233.05	165.35	136.60	98.56	-4,481.03	-5,806.55	1,639.73	1,384.33	255.40	6.420					
12,924.02	7,001.00	11,050.00	7,233.06	165.78	137.06	98.56	-4,480.96	-5,826.68	1,639.77	1,383.61	256.16	6.401					
13,000.00	7,001.00	11,122.75	7,233.42	167.14	138.73	98.57	-4,480.62	-5,899.43	1,640.07	1,380.50	259.56	6.319					
13,100.00	7,001.00	11,260.70	7,234.51	168.97	141.92	98.62	-4,481.93	-6,037.36	1,639.11	1,370.40	268.71	6.100					
13,200.00	7,001.00	11,369.25	7,234.54	170.81	144.47	98.63	-4,484.39	-6,145.88	1,636.74	1,362.11	274.63	5.960					
13,300.00	7,001.00	11,481.57	7,231.91	172.68	147.12	98.56	-4,487.21	-6,258.14	1,633.78	1,352.80	280.98	5.815					
13,400.00	7,001.00	11,557.41	7,228.83	174.58	148.92	98.46	-4,489.17	-6,333.89	1,630.64	1,347.25	283.39	5.754					
13,462.29	7,001.00	11,588.51	7,227.77	175.77	149.65	98.42	-4,489.27	-6,364.97	1,630.04	1,346.97	283.07	5.758					
13,500.00	7,001.00	11,623.00	7,226.88	176.50	150.46	98.39	-4,488.72	-6,399.44	1,630.41	1,345.80	284.61	5.729					
13,600.00	7,001.00	11,664.91	7,226.39	178.44	151.44	98.37	-4,487.35	-6,441.32	1,632.79	1,349.82	282.97	5.770					
13,700.00	7,001.00	11,729.66	7,227.28	180.41	152.95	98.38	-4,484.13	-6,505.98	1,637.73	1,353.89	283.83	5.770					
13,800.00	7,001.00	11,814.00	7,229.09	182.39	154.92	98.42	-4,479.02	-6,590.15	1,643.93	1,356.92	287.01	5.728					
13,900.00	7,001.00	11,909.00	7,230.49	184.40	157.13	98.43	-4,472.42	-6,684.91	1,650.88	1,359.38	291.50	5.663					
14,000.00	7,001.00	12,135.68	7,230.59	186.43	162.51	98.39	-4,462.81	-6,911.27	1,655.91	1,344.61	311.30	5.319					
14,100.00	7,001.00	12,234.74	7,230.49	188.48	164.93	98.39	-4,462.97	-7,010.33	1,655.61	1,339.30	316.31	5.234					
14,200.00	7,001.00	12,344.39	7,228.55	190.54	167.61	98.32	-4,463.48	-7,119.96	1,654.74	1,332.24	322.50	5.131					
14,300.00	7,001.00	12,458.57	7,225.04	192.63	170.41	98.21	-4,464.37	-7,234.08	1,653.41	1,324.21	329.19	5.023					
14,400.00	7,001.00	12,563.78	7,222.96	194.73	173.02	98.15	-4,466.21	-7,339.24	1,651.26	1,316.35	334.91	4.931					
14,500.00	7,001.00	12,673.05	7,223.69	196.85	175.74	98.19	-4,468.89	-7,448.48	1,648.79	1,307.76	341.03	4.835					
14,600.00	7,001.00	12,733.16	7,223.84	198.99	177.23	98.20	-4,469.76	-7,508.57	1,647.25	1,305.41	341.84	4.819					
14,700.00	7,001.00	12,888.73	7,226.68	201.14	181.12	98.31	-4,472.68	-7,664.06	1,645.68	1,292.75	352.93	4.663					
14,800.00	7,001.00	13,052.00	7,229.08	203.31	185.23	98.43	-4,479.53	-7,827.13	1,642.61	1,278.19	364.42	4.508					
14,900.00	7,001.00	13,093.96	7,230.35	205.50	186.29	98.49	-4,482.23	-7,868.98	1,636.70	1,272.98	363.72	4.500					
15,000.00	7,001.00	13,147.00	7,231.07	207.70	187.63	98.52	-4,483.08	-7,922.00	1,634.66	1,270.81	363.85	4.493					

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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-15-7N - 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		
15,100.00	7,001.00	13,233.40	7,231.02	209.91	189.80	98.52	-4,483.27	-8,008.40	1,634.25	1,266.73	367.52	4.447		
15,172.85	7,001.00	13,300.53	7,230.29	211.54	191.49	98.49	-4,483.59	-8,075.52	1,633.72	1,263.05	370.67	4.407		
15,200.00	7,001.00	13,318.89	7,229.89	212.14	191.95	98.48	-4,483.45	-8,093.88	1,633.79	1,262.70	371.09	4.403		
15,300.00	7,001.00	13,447.46	7,228.38	214.38	195.19	98.42	-4,482.95	-8,222.42	1,633.99	1,254.49	379.50	4.306		
15,400.00	7,001.00	13,529.00	7,228.02	216.64	197.25	98.41	-4,483.15	-8,303.96	1,633.52	1,250.86	382.66	4.269		
15,450.99	7,001.00	13,578.70	7,227.62	217.79	198.51	98.40	-4,483.06	-8,353.66	1,633.48	1,248.31	385.17	4.241		
15,500.00	7,001.00	13,625.63	7,227.45	218.90	199.70	98.39	-4,482.93	-8,400.59	1,633.51	1,246.02	387.49	4.216		
15,600.00	7,001.00	13,733.08	7,226.82	221.18	202.42	98.37	-4,482.77	-8,508.03	1,633.44	1,239.89	393.55	4.151		
15,687.28	7,001.00	13,815.00	7,225.67	223.18	204.51	98.33	-4,483.05	-8,589.95	1,632.88	1,235.36	397.53	4.108		
15,700.00	7,001.00	13,815.00	7,225.67	223.47	204.51	98.33	-4,483.05	-8,589.95	1,632.93	1,236.18	396.75	4.116		
15,800.00	7,001.00	13,876.66	7,225.28	225.78	206.07	98.32	-4,482.25	-8,651.60	1,634.33	1,236.82	397.51	4.111		
15,900.00	7,001.00	13,944.36	7,226.22	228.09	207.78	98.33	-4,479.03	-8,719.21	1,638.89	1,240.06	398.83	4.109		
16,000.00	7,001.00	14,054.98	7,226.85	230.41	210.57	98.33	-4,473.79	-8,829.70	1,643.51	1,238.13	405.37	4.054		
16,100.00	7,001.00	14,317.23	7,229.91	232.75	217.28	98.43	-4,473.14	-9,091.73	1,645.04	1,216.62	428.41	3.840		
16,200.00	7,001.00	14,407.98	7,232.67	235.09	219.63	98.55	-4,477.95	-9,182.31	1,640.09	1,207.44	432.65	3.791		
16,300.00	7,001.00	14,520.52	7,236.10	237.45	222.55	98.71	-4,484.57	-9,294.60	1,634.56	1,195.54	439.01	3.723		
16,400.00	7,001.00	14,615.72	7,237.07	239.81	225.03	98.77	-4,489.77	-9,389.66	1,629.18	1,185.44	443.73	3.672		
16,500.00	7,001.00	14,725.24	7,237.64	242.18	227.88	98.82	-4,495.86	-9,499.00	1,623.63	1,173.76	449.87	3.609		
16,600.00	7,001.00	14,823.75	7,238.50	244.56	230.45	98.89	-4,501.93	-9,597.32	1,617.54	1,162.62	454.92	3.556		
16,700.00	7,001.00	14,898.08	7,238.78	246.95	232.38	98.92	-4,505.88	-9,671.54	1,612.29	1,154.71	457.57	3.524		
16,800.00	7,001.00	14,960.00	7,237.57	249.35	233.99	98.89	-4,507.57	-9,733.42	1,609.17	1,150.33	458.83	3.507		
16,900.00	7,001.00	15,055.00	7,233.56	251.75	236.45	98.75	-4,508.57	-9,828.33	1,607.34	1,143.71	463.64	3.467		
16,992.77	7,001.00	15,122.20	7,231.05	253.99	238.19	98.67	-4,508.66	-9,895.48	1,606.59	1,140.86	465.72	3.450		
17,000.00	7,001.00	15,127.40	7,230.94	254.17	238.33	98.66	-4,508.63	-9,900.68	1,606.59	1,140.72	465.88	3.449		
17,100.00	7,001.00	15,232.07	7,229.47	256.59	241.04	98.61	-4,507.94	-10,005.34	1,606.91	1,135.19	471.71	3.407		
17,200.00	7,001.00	15,341.00	7,226.71	259.01	243.87	98.51	-4,508.51	-10,114.23	1,605.83	1,127.77	478.05	3.359		
17,260.11	7,001.00	15,389.60	7,225.73	260.48	245.13	98.48	-4,508.78	-10,162.81	1,605.31	1,125.36	479.95	3.345		
17,300.00	7,001.00	15,413.75	7,225.64	261.45	245.76	98.48	-4,508.62	-10,186.96	1,605.50	1,125.26	480.24	3.343		
17,400.00	7,001.00	15,539.58	7,227.29	263.89	249.03	98.53	-4,507.68	-10,312.78	1,606.46	1,118.03	488.43	3.289		
17,500.00	7,001.00	15,642.01	7,228.02	266.34	251.71	98.56	-4,508.46	-10,415.20	1,605.68	1,111.72	493.95	3.251		
17,552.86	7,001.00	15,682.38	7,227.77	267.63	252.76	98.55	-4,508.52	-10,455.57	1,605.47	1,110.13	495.35	3.241		
17,600.00	7,001.00	15,723.00	7,227.16	268.79	253.82	98.53	-4,508.21	-10,496.18	1,605.64	1,108.54	497.11	3.230		
17,700.00	7,001.00	15,864.53	7,224.25	271.25	257.52	98.44	-4,509.64	-10,637.67	1,603.99	1,096.91	507.08	3.163		
17,800.00	7,001.00	15,955.09	7,222.26	273.72	259.89	98.37	-4,510.85	-10,728.20	1,602.19	1,090.80	511.39	3.133		
17,900.00	7,001.00	16,045.00	7,219.41	276.19	262.25	98.28	-4,511.72	-10,818.06	1,600.67	1,085.03	515.65	3.104		
17,915.34	7,001.00	16,045.00	7,219.41	276.57	262.25	98.28	-4,511.72	-10,818.06	1,600.60	1,085.87	514.73	3.110		
18,000.00	7,001.00	16,045.00	7,219.41	278.67	262.25	98.28	-4,511.72	-10,818.06	1,602.84	1,093.94	508.89	3.150		
18,100.00	7,001.00	16,045.00	7,219.41	281.15	262.25	98.28	-4,511.72	-10,818.06	1,611.21	1,110.86	500.35	3.220		
18,200.00	7,001.00	16,045.00	7,219.41	283.64	262.25	98.28	-4,511.72	-10,818.06	1,625.74	1,135.55	490.19	3.317		
18,300.00	7,001.00	16,045.00	7,219.41	286.15	262.25	98.35	-4,511.72	-10,818.06	1,648.27	1,169.60	478.67	3.443		
18,400.00	7,001.00	16,045.00	7,219.41	288.68	262.25	98.45	-4,511.72	-10,818.06	1,679.74	1,213.55	466.19	3.603		
18,500.00	7,001.00	16,045.00	7,219.41	291.24	262.25	98.49	-4,511.72	-10,818.06	1,718.99	1,265.92	453.07	3.794		
18,600.00	7,001.00	16,045.00	7,219.41	293.80	262.25	98.49	-4,511.72	-10,818.06	1,763.26	1,323.78	439.49	4.012		
18,700.00	7,001.00	16,045.00	7,219.41	296.36	262.25	98.49	-4,511.72	-10,818.06	1,811.98	1,386.33	425.65	4.257		
18,800.00	7,001.00	16,045.00	7,219.41	298.93	262.25	98.49	-4,511.72	-10,818.06	1,864.79	1,453.03	411.75	4.529		
18,900.00	7,001.00	16,045.00	7,219.41	301.50	262.25	98.49	-4,511.72	-10,818.06	1,921.35	1,523.38	397.97	4.828		
19,000.00	7,001.00	16,045.00	7,219.41	304.07	262.25	98.49	-4,511.72	-10,818.06	1,981.35	1,596.92	384.43	5.154		
19,100.00	7,001.00	16,045.00	7,219.41	306.65	262.25	98.49	-4,511.72	-10,818.06	2,044.49	1,673.25	371.23	5.507		
19,200.00	7,001.00	16,045.00	7,219.41	309.23	262.25	98.49	-4,511.72	-10,818.06	2,110.47	1,752.01	358.46	5.888		
19,300.00	7,001.00	16,045.00	7,219.41	311.81	262.25	98.49	-4,511.72	-10,818.06	2,179.05	1,832.89	346.16	6.295		
19,400.00	7,001.00	16,045.00	7,219.41	314.39	262.25	98.49	-4,511.72	-10,818.06	2,249.98	1,915.61	334.37	6.729		
19,500.00	7,001.00	16,045.00	7,219.41	316.97	262.25	98.49	-4,511.72	-10,818.06	2,323.05	1,999.94	323.11	7.190		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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-15-7N - 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	
19,600.00	7,001.00	16,045.00	7,219.41	319.56	262.25	98.49	-4,511.72	-10,818.06	2,398.07	2,085.68	312.39	7.676	
19,700.00	7,001.00	16,045.00	7,219.41	322.15	262.25	98.49	-4,511.72	-10,818.06	2,474.86	2,172.64	302.21	8.189	
19,800.00	7,001.00	16,045.00	7,219.41	324.74	262.25	98.49	-4,511.72	-10,818.06	2,553.25	2,260.69	292.56	8.727	
19,900.00	7,001.00	16,045.00	7,219.41	327.33	262.25	98.38	-4,511.72	-10,818.06	2,633.02	2,349.62	283.40	9.291	
20,000.00	7,001.00	16,045.00	7,219.41	329.92	262.25	98.01	-4,511.72	-10,818.06	2,712.63	2,438.19	274.44	9.884	
20,100.00	7,001.00	16,045.00	7,219.41	332.49	262.25	97.66	-4,511.72	-10,818.06	2,791.51	2,525.93	265.58	10.511	
20,200.00	7,001.00	16,045.00	7,219.41	335.04	262.25	97.56	-4,511.72	-10,818.06	2,870.17	2,613.26	256.91	11.172	
20,300.00	7,001.00	16,045.00	7,219.41	337.60	262.25	97.56	-4,511.72	-10,818.06	2,950.05	2,701.35	248.70	11.862	
20,400.00	7,001.00	16,045.00	7,219.41	340.16	262.25	97.56	-4,511.72	-10,818.06	3,031.12	2,790.19	240.93	12.581	
20,500.00	7,001.00	16,045.00	7,219.41	342.72	262.25	97.56	-4,511.72	-10,818.06	3,113.30	2,879.69	233.60	13.327	
20,600.00	7,001.00	16,045.00	7,219.41	345.29	262.25	97.56	-4,511.72	-10,818.06	3,196.49	2,969.80	226.69	14.101	
20,700.00	7,001.00	16,045.00	7,219.41	347.86	262.25	97.56	-4,511.72	-10,818.06	3,280.62	3,060.45	220.17	14.901	
20,800.00	7,001.00	16,045.00	7,219.41	350.43	262.25	97.56	-4,511.72	-10,818.06	3,365.61	3,151.59	214.02	15.725	
20,900.00	7,001.00	16,045.00	7,219.41	353.00	262.25	97.56	-4,511.72	-10,818.06	3,451.41	3,243.18	208.24	16.574	
21,000.00	7,001.00	16,045.00	7,219.41	355.58	262.25	97.56	-4,511.72	-10,818.06	3,537.96	3,335.17	202.79	17.446	
21,100.00	7,001.00	16,045.00	7,219.41	358.16	262.25	97.56	-4,511.72	-10,818.06	3,625.20	3,427.53	197.67	18.340	
21,121.77	7,001.00	16,045.00	7,219.41	358.72	262.25	97.56	-4,511.72	-10,818.06	3,644.28	3,447.69	196.59	18.537	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	0.00	0.00	0.00	0.00	-105.95	-6.20	-21.68	22.55					
100.00	100.00	100.00	100.00	0.27	0.27	-105.95	-6.20	-21.68	22.55	22.01	0.54	41.938		
200.00	200.00	200.00	200.00	0.63	0.63	-105.95	-6.20	-21.68	22.55	21.30	1.25	17.973		
300.00	300.00	300.00	300.00	0.99	0.99	-105.95	-6.20	-21.68	22.55	20.58	1.97	11.438		
400.00	399.98	399.98	399.98	1.33	1.34	52.22	-6.20	-21.68	21.44	18.77	2.67	8.020		
500.00	499.84	499.50	499.48	1.67	1.69	60.47	-7.73	-22.48	19.55	16.19	3.35	5.829		
600.00	599.45	599.14	598.98	2.03	2.02	70.41	-12.33	-24.88	18.26	14.21	4.05	4.512		
700.00	698.70	698.91	698.36	2.41	2.37	81.58	-20.02	-28.88	17.72	12.94	4.78	3.708		
715.50	714.04	714.38	713.75	2.47	2.43	83.36	-21.48	-29.64	17.71	12.81	4.90	3.615 CC		
800.00	797.47	798.79	797.50	2.81	2.75	92.99	-30.78	-34.48	18.01	12.45	5.56	3.240		
900.00	895.62	898.80	896.28	3.25	3.14	103.55	-44.61	-41.69	19.10	12.72	6.38	2.995		
1,000.00	993.06	998.92	994.57	3.72	3.57	112.55	-61.52	-50.50	20.89	13.66	7.23	2.890		
1,100.00	1,089.64	1,099.18	1,092.26	4.23	4.03	119.82	-81.50	-60.90	23.21	15.12	8.10	2.867		
1,200.00	1,185.27	1,199.55	1,189.21	4.78	4.53	125.50	-104.52	-72.88	25.94	16.95	8.99	2.886		
1,300.00	1,279.82	1,300.04	1,285.31	5.38	5.08	129.89	-130.57	-86.45	28.96	19.06	9.90	2.925		
1,400.00	1,373.17	1,400.66	1,380.44	6.03	5.67	133.24	-159.63	-101.59	32.20	21.36	10.85	2.969		
1,500.00	1,465.21	1,501.40	1,474.46	6.72	6.31	135.81	-191.68	-118.28	35.61	23.78	11.83	3.010		
1,600.00	1,555.84	1,602.25	1,567.27	7.47	7.00	137.76	-226.68	-136.51	39.13	26.28	12.85	3.045		
1,700.00	1,644.94	1,703.23	1,658.74	8.27	7.75	139.23	-264.61	-156.26	42.75	28.83	13.92	3.071		
1,800.00	1,732.39	1,804.33	1,748.76	9.12	8.55	140.32	-305.42	-177.51	46.44	31.40	15.04	3.087		
1,900.00	1,818.11	1,905.54	1,837.19	10.02	9.40	141.12	-349.07	-200.24	50.19	33.96	16.23	3.093		
2,000.00	1,901.97	2,006.87	1,923.93	10.98	10.31	141.68	-395.52	-224.44	53.98	36.52	17.47	3.090		
2,100.00	1,983.88	2,108.31	2,008.86	11.98	11.28	142.04	-444.73	-250.06	57.82	39.04	18.78	3.078		
2,200.00	2,063.74	2,209.87	2,091.86	13.04	12.30	142.24	-496.62	-277.09	61.68	41.51	20.16	3.059		
2,300.00	2,141.45	2,311.54	2,172.82	14.14	13.37	142.31	-551.15	-305.49	65.56	43.94	21.62	3.032		
2,400.00	2,216.92	2,413.32	2,251.63	15.30	14.50	142.27	-608.27	-335.23	69.46	46.30	23.16	2.999		
2,500.00	2,290.05	2,515.21	2,328.19	16.50	15.69	142.14	-667.89	-366.28	73.37	48.59	24.78	2.961		
2,600.00	2,360.76	2,617.20	2,402.38	17.76	16.92	141.92	-729.95	-398.60	77.29	50.80	26.49	2.918		
2,700.00	2,428.95	2,719.29	2,474.11	19.05	18.21	141.64	-794.38	-432.15	81.22	52.93	28.29	2.871		
2,800.00	2,494.55	2,820.70	2,542.90	20.39	19.53	141.39	-860.46	-466.57	85.30	55.13	30.17	2.827		
2,900.00	2,557.49	2,920.49	2,610.02	21.78	20.85	142.20	-925.96	-500.68	91.52	59.74	31.79	2.879		
3,000.00	2,619.27	3,020.19	2,677.08	23.18	22.18	143.48	-991.39	-534.75	98.95	65.73	33.22	2.978		
3,100.00	2,681.04	3,119.89	2,744.14	24.60	23.52	144.59	-1,056.83	-568.83	106.43	71.75	34.67	3.069		
3,200.00	2,742.82	3,219.59	2,811.20	26.02	24.86	145.55	-1,122.27	-602.91	113.93	77.80	36.14	3.153		
3,300.00	2,804.59	3,319.29	2,878.26	27.44	26.20	146.39	-1,187.70	-636.99	121.47	83.86	37.61	3.230		
3,400.00	2,866.37	3,418.99	2,945.32	28.87	27.55	147.13	-1,253.14	-671.07	129.02	89.93	39.10	3.300		
3,500.00	2,928.15	3,518.69	3,012.38	30.30	28.90	147.79	-1,318.58	-705.14	136.60	96.01	40.59	3.366		
3,600.00	2,989.92	3,618.39	3,079.43	31.73	30.25	148.39	-1,384.01	-739.22	144.19	102.10	42.09	3.426		
3,700.00	3,051.70	3,718.09	3,146.49	33.17	31.61	148.92	-1,449.45	-773.30	151.80	108.20	43.60	3.482		
3,800.00	3,113.47	3,817.80	3,213.55	34.61	32.96	149.40	-1,514.89	-807.38	159.42	114.31	45.11	3.534		
3,900.00	3,175.25	3,917.50	3,280.61	36.05	34.32	149.84	-1,580.32	-841.46	167.05	120.42	46.63	3.582		
4,000.00	3,237.03	4,017.20	3,347.67	37.49	35.69	150.23	-1,645.76	-875.54	174.68	126.53	48.15	3.628		
4,100.00	3,298.80	4,116.90	3,414.73	38.93	37.05	150.60	-1,711.20	-909.61	182.33	132.65	49.68	3.670		
4,200.00	3,360.58	4,216.60	3,481.79	40.37	38.41	150.94	-1,776.63	-943.69	189.98	138.77	51.21	3.710		
4,300.00	3,422.35	4,316.30	3,548.85	41.82	39.78	151.25	-1,842.07	-977.77	197.64	144.89	52.75	3.747		
4,400.00	3,484.13	4,416.00	3,615.91	43.27	41.15	151.53	-1,907.51	-1,011.85	205.30	151.01	54.29	3.782		
4,500.00	3,545.90	4,515.70	3,682.97	44.72	42.51	151.80	-1,972.94	-1,045.93	212.97	157.14	55.83	3.815		
4,600.00	3,607.68	4,615.40	3,750.03	46.16	43.88	152.05	-2,038.38	-1,080.00	220.64	163.27	57.38	3.846		
4,700.00	3,669.46	4,715.10	3,817.09	47.61	45.25	152.28	-2,103.81	-1,114.08	228.32	169.39	58.92	3.875		
4,800.00	3,731.23	4,814.80	3,884.15	49.06	46.62	152.50	-2,169.25	-1,148.16	236.00	175.52	60.47	3.903		
4,900.00	3,793.01	4,914.51	3,951.21	50.52	47.99	152.70	-2,234.69	-1,182.24	243.68	181.65	62.02	3.929		
5,000.00	3,854.78	5,014.21	4,018.27	51.97	49.36	152.89	-2,300.12	-1,216.32	251.36	187.79	63.58	3.954		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	3,916.56	5,113.91	4,085.33	53.42	50.73	153.07	-2,365.56	-1,250.39	259.05	193.92	65.13	3.977		
5,200.00	3,978.34	5,213.61	4,152.39	54.87	52.11	153.24	-2,431.00	-1,284.47	266.74	200.05	66.69	4.000		
5,300.00	4,040.11	5,313.31	4,219.45	56.32	53.48	153.39	-2,496.43	-1,318.55	274.43	206.19	68.25	4.021		
5,400.00	4,101.89	5,413.01	4,286.51	57.78	54.85	153.54	-2,561.87	-1,352.63	282.13	212.32	69.81	4.041		
5,500.00	4,163.66	5,512.71	4,353.57	59.23	56.23	153.69	-2,627.31	-1,386.71	289.83	218.45	71.37	4.061		
5,600.00	4,225.44	5,612.41	4,420.63	60.69	57.60	153.82	-2,692.74	-1,420.78	297.52	224.59	72.93	4.079		
5,700.00	4,287.21	5,712.11	4,487.69	62.14	58.98	153.95	-2,758.18	-1,454.86	305.22	230.73	74.50	4.097		
5,800.00	4,348.99	5,811.81	4,554.75	63.60	60.35	154.07	-2,823.62	-1,488.94	312.92	236.86	76.06	4.114		
5,900.00	4,410.77	5,911.51	4,621.81	65.05	61.73	154.19	-2,889.05	-1,523.02	320.63	243.00	77.63	4.130		
6,000.00	4,472.54	6,011.21	4,688.87	66.51	63.10	154.30	-2,954.49	-1,557.10	328.33	249.14	79.19	4.146		
6,100.00	4,534.32	6,110.92	4,755.93	67.96	64.48	154.40	-3,019.93	-1,591.18	336.03	255.27	80.76	4.161		
6,200.00	4,596.09	6,210.62	4,822.99	69.42	65.85	154.51	-3,085.36	-1,625.25	343.74	261.41	82.33	4.175		
6,300.00	4,657.87	6,310.32	4,890.05	70.88	67.23	154.60	-3,150.80	-1,659.33	351.45	267.55	83.90	4.189		
6,400.00	4,719.64	6,410.02	4,957.11	72.33	68.61	154.69	-3,216.24	-1,693.41	359.15	273.69	85.47	4.202		
6,500.00	4,781.42	6,509.72	5,024.17	73.79	69.98	154.78	-3,281.67	-1,727.49	366.86	279.82	87.04	4.215		
6,600.00	4,843.20	6,609.42	5,091.23	75.25	71.36	154.87	-3,347.11	-1,761.57	374.57	285.96	88.61	4.227		
6,700.00	4,904.97	6,709.12	5,158.29	76.71	72.74	154.95	-3,412.54	-1,795.64	382.28	292.10	90.18	4.239		
6,800.00	4,966.75	6,808.82	5,225.35	78.16	74.11	155.03	-3,477.98	-1,829.72	389.99	298.24	91.76	4.250		
6,900.00	5,028.52	6,908.52	5,292.41	79.62	75.49	155.10	-3,543.42	-1,863.80	397.71	304.38	93.33	4.261		
7,000.00	5,090.30	7,008.22	5,359.47	81.08	76.87	155.17	-3,608.85	-1,897.88	405.42	310.51	94.90	4.272		
7,100.00	5,152.08	7,107.92	5,426.53	82.54	78.24	155.24	-3,674.29	-1,931.96	413.13	316.65	96.48	4.282		
7,200.00	5,213.85	7,207.63	5,493.59	83.99	79.62	155.31	-3,739.73	-1,966.03	420.84	322.79	98.05	4.292		
7,300.00	5,275.63	7,307.33	5,560.65	85.45	81.00	155.37	-3,805.16	-2,000.11	428.56	328.93	99.63	4.302		
7,400.00	5,337.40	7,407.03	5,627.71	86.91	82.38	155.44	-3,870.60	-2,034.19	436.27	335.07	101.20	4.311		
7,500.00	5,399.18	7,506.73	5,694.77	88.37	83.76	155.50	-3,936.04	-2,068.27	443.99	341.21	102.78	4.320		
7,600.00	5,460.95	7,606.43	5,761.83	89.83	85.14	155.56	-4,001.47	-2,102.35	451.70	347.35	104.35	4.329		
7,700.00	5,522.73	7,706.13	5,828.89	91.29	86.51	155.61	-4,066.91	-2,136.42	459.42	353.49	105.93	4.337		
7,800.00	5,584.51	7,805.83	5,895.94	92.75	87.89	155.67	-4,132.35	-2,170.50	467.14	359.63	107.51	4.345		
7,900.00	5,646.28	7,905.53	5,963.00	94.20	89.27	155.72	-4,197.78	-2,204.58	474.85	365.77	109.08	4.353		
8,000.00	5,708.06	8,005.23	6,030.06	95.66	90.65	155.77	-4,263.22	-2,238.66	482.57	371.91	110.66	4.361		
8,100.00	5,769.83	8,104.93	6,097.12	97.12	92.03	155.82	-4,328.66	-2,272.74	490.29	378.05	112.24	4.368		
8,200.00	5,831.61	8,204.63	6,164.18	98.58	93.41	155.87	-4,394.09	-2,306.82	498.01	384.19	113.82	4.375		
8,300.00	5,893.39	8,304.34	6,231.24	100.04	94.79	155.91	-4,459.53	-2,340.89	505.72	390.33	115.40	4.382		
8,400.00	5,955.16	8,404.04	6,298.30	101.50	96.16	155.96	-4,524.97	-2,374.97	513.44	396.47	116.98	4.389		
8,500.00	6,016.94	8,503.74	6,365.36	102.96	97.54	156.00	-4,590.40	-2,409.05	521.16	402.61	118.56	4.396		
8,600.00	6,078.71	8,603.44	6,432.42	104.42	98.92	156.04	-4,655.84	-2,443.13	528.88	408.75	120.13	4.402		
8,700.00	6,140.49	8,703.14	6,499.48	105.88	100.30	156.08	-4,721.27	-2,477.21	536.60	414.88	121.71	4.409		
8,800.00	6,202.26	8,802.84	6,566.54	107.34	101.68	156.12	-4,786.71	-2,511.28	544.32	421.02	123.29	4.415		
8,900.00	6,264.04	8,902.54	6,633.60	108.80	103.06	156.16	-4,852.15	-2,545.36	552.04	427.16	124.87	4.421		
9,000.00	6,325.82	9,002.24	6,700.66	110.26	104.44	156.20	-4,917.58	-2,579.44	559.76	433.30	126.45	4.427		
9,100.00	6,387.59	9,101.94	6,767.72	111.72	105.82	156.24	-4,983.02	-2,613.52	567.48	439.44	128.03	4.432		
9,200.00	6,449.37	9,201.64	6,834.78	113.18	107.20	156.27	-5,048.46	-2,647.60	575.20	445.58	129.62	4.438		
9,300.00	6,511.14	9,301.34	6,901.84	114.64	108.58	156.31	-5,113.89	-2,681.67	582.92	451.72	131.20	4.443		
9,400.00	6,572.92	9,401.04	6,968.90	116.10	109.96	156.34	-5,179.33	-2,715.75	590.64	457.86	132.78	4.448		
9,500.00	6,634.70	9,500.75	7,035.96	117.56	111.34	156.37	-5,244.77	-2,749.83	598.36	464.00	134.36	4.453		
9,600.00	6,696.47	9,592.82	7,096.75	119.02	112.64	156.01	-5,304.08	-2,785.20	606.56	469.86	136.71	4.437		
9,700.00	6,758.22	9,679.38	7,149.65	120.48	113.94	153.52	-5,355.71	-2,830.08	616.64	475.16	141.48	4.359		
9,800.00	6,817.23	9,762.24	7,195.21	122.00	115.22	143.85	-5,400.18	-2,883.00	627.61	481.21	146.40	4.287		
9,900.00	6,870.40	9,843.04	7,233.93	123.58	116.48	135.80	-5,437.97	-2,942.92	638.01	488.04	149.97	4.254		
10,000.00	6,916.13	9,922.25	7,265.67	125.16	117.68	129.41	-5,468.96	-3,008.47	647.27	495.16	152.11	4.255		
10,100.00	6,953.01	10,000.00	7,290.24	126.69	118.82	124.59	-5,492.95	-3,078.16	654.91	502.08	152.83	4.285		
10,200.00	6,979.94	10,077.42	7,307.77	128.11	119.88	121.26	-5,510.08	-3,151.53	660.57	508.07	152.49	4.332		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	6,996.09	10,150.00	7,317.65	129.37	120.80	119.35	-5,519.74	-3,222.74	663.98	513.60	150.38	4.415		
10,400.00	7,001.00	10,232.54	7,321.00	130.45	121.73	118.77	-5,523.04	-3,305.07	664.94	515.03	149.91	4.436		
10,500.00	7,001.00	10,332.54	7,321.00	131.44	122.82	118.77	-5,523.07	-3,405.07	664.79	511.61	153.19	4.340		
10,600.00	7,001.00	10,432.54	7,321.00	132.48	123.94	118.78	-5,523.10	-3,505.07	664.65	508.11	156.54	4.246		
10,700.00	7,001.00	10,532.54	7,321.00	133.54	125.09	118.79	-5,523.13	-3,605.07	664.50	504.53	159.97	4.154		
10,800.00	7,001.00	10,632.54	7,321.00	134.64	126.29	118.79	-5,523.16	-3,705.07	664.35	500.88	163.47	4.064		
10,900.00	7,001.00	10,732.53	7,321.00	135.77	127.52	118.80	-5,523.19	-3,805.07	664.20	497.16	167.04	3.976		
11,000.00	7,001.00	10,832.53	7,321.00	136.94	128.79	118.81	-5,523.23	-3,905.07	664.06	493.38	170.67	3.891		
11,100.00	7,001.00	10,932.53	7,321.00	138.14	130.09	118.82	-5,523.26	-4,005.07	663.91	489.55	174.36	3.808		
11,200.00	7,001.00	11,032.53	7,321.00	139.38	131.43	118.82	-5,523.29	-4,105.07	663.76	485.66	178.10	3.727		
11,300.00	7,001.00	11,132.53	7,321.00	140.65	132.80	118.83	-5,523.32	-4,205.07	663.61	481.72	181.90	3.648		
11,400.00	7,001.00	11,232.53	7,321.00	141.95	134.21	118.84	-5,523.35	-4,305.07	663.47	477.73	185.74	3.572		
11,500.00	7,001.00	11,332.53	7,321.00	143.29	135.66	118.84	-5,523.38	-4,405.07	663.32	473.70	189.62	3.498		
11,600.00	7,001.00	11,432.53	7,321.00	144.66	137.14	118.85	-5,523.42	-4,505.07	663.17	469.62	193.55	3.426		
11,700.00	7,001.00	11,532.53	7,321.00	146.06	138.65	118.86	-5,523.45	-4,605.07	663.02	465.51	197.52	3.357		
11,800.00	7,001.00	11,632.53	7,321.00	147.50	140.20	118.86	-5,523.48	-4,705.07	662.88	461.35	201.52	3.289		
11,900.00	7,001.00	11,732.53	7,321.00	148.97	141.78	118.87	-5,523.51	-4,805.07	662.73	457.17	205.56	3.224		
12,000.00	7,001.00	11,832.53	7,321.00	150.47	143.40	118.88	-5,523.54	-4,905.07	662.58	452.95	209.64	3.161		
12,100.00	7,001.00	11,932.53	7,321.00	152.00	145.04	118.89	-5,523.57	-5,005.07	662.44	448.69	213.74	3.099		
12,200.00	7,001.00	12,032.53	7,321.00	153.57	146.72	118.89	-5,523.60	-5,105.07	662.29	444.41	217.87	3.040		
12,300.00	7,001.00	12,132.53	7,321.00	155.16	148.43	118.90	-5,523.64	-5,205.07	662.14	440.11	222.03	2.982		
12,400.00	7,001.00	12,232.53	7,321.00	156.79	150.17	118.91	-5,523.67	-5,305.07	661.99	435.77	226.22	2.926		
12,500.00	7,001.00	12,332.53	7,321.00	158.44	151.94	118.91	-5,523.70	-5,405.07	661.85	431.41	230.43	2.872		
12,600.00	7,001.00	12,432.53	7,321.00	160.13	153.73	118.92	-5,523.73	-5,505.07	661.70	427.03	234.67	2.820		
12,700.00	7,001.00	12,532.53	7,321.00	161.84	155.56	118.93	-5,523.76	-5,605.07	661.55	422.63	238.92	2.769		
12,800.00	7,001.00	12,632.53	7,321.00	163.58	157.41	118.94	-5,523.79	-5,705.07	661.40	418.20	243.20	2.720		
12,900.00	7,001.00	12,732.53	7,321.00	165.35	159.28	118.94	-5,523.83	-5,805.07	661.26	413.76	247.50	2.672		
13,000.00	7,001.00	12,832.53	7,321.00	167.14	161.19	118.95	-5,523.86	-5,905.07	661.11	409.30	251.81	2.625		
13,100.00	7,001.00	12,932.53	7,321.00	168.97	163.11	118.96	-5,523.89	-6,005.07	660.96	404.82	256.14	2.580		
13,200.00	7,001.00	13,032.53	7,321.00	170.81	165.07	118.96	-5,523.92	-6,105.07	660.82	400.32	260.49	2.537		
13,300.00	7,001.00	13,132.53	7,321.00	172.68	167.04	118.97	-5,523.95	-6,205.07	660.67	395.81	264.86	2.494		
13,400.00	7,001.00	13,232.53	7,321.00	174.58	169.04	118.98	-5,523.98	-6,305.07	660.52	391.28	269.24	2.453		
13,500.00	7,001.00	13,332.53	7,321.00	176.50	171.06	118.98	-5,524.01	-6,405.07	660.37	386.74	273.63	2.413		
13,600.00	7,001.00	13,432.53	7,321.00	178.44	173.10	118.99	-5,524.05	-6,505.07	660.23	382.18	278.04	2.375		
13,700.00	7,001.00	13,532.53	7,321.00	180.41	175.16	119.00	-5,524.08	-6,605.07	660.08	377.62	282.46	2.337		
13,800.00	7,001.00	13,632.53	7,321.00	182.39	177.24	119.01	-5,524.11	-6,705.07	659.93	373.04	286.90	2.300		
13,900.00	7,001.00	13,732.53	7,321.00	184.40	179.35	119.01	-5,524.14	-6,805.07	659.79	368.44	291.34	2.265		
14,000.00	7,001.00	13,832.53	7,321.00	186.43	181.47	119.02	-5,524.17	-6,905.07	659.64	363.84	295.80	2.230		
14,100.00	7,001.00	13,932.53	7,321.00	188.48	183.60	119.03	-5,524.20	-7,005.07	659.49	359.23	300.26	2.196		
14,200.00	7,001.00	14,032.53	7,321.00	190.54	185.76	119.03	-5,524.24	-7,105.07	659.34	354.60	304.74	2.164		
14,300.00	7,001.00	14,132.53	7,321.00	192.63	187.93	119.04	-5,524.27	-7,205.07	659.20	349.97	309.23	2.132		
14,400.00	7,001.00	14,232.53	7,321.00	194.73	190.12	119.05	-5,524.30	-7,305.06	659.05	345.33	313.72	2.101		
14,500.00	7,001.00	14,332.53	7,321.00	196.85	192.32	119.06	-5,524.33	-7,405.06	658.90	340.68	318.23	2.071		
14,600.00	7,001.00	14,432.53	7,321.00	198.99	194.54	119.06	-5,524.36	-7,505.06	658.76	336.02	322.74	2.041		
14,700.00	7,001.00	14,532.53	7,321.00	201.14	196.77	119.07	-5,524.39	-7,605.06	658.61	331.35	327.26	2.012		
14,800.00	7,001.00	14,632.53	7,321.00	203.31	199.02	119.08	-5,524.43	-7,705.06	658.46	326.67	331.79	1.985		
14,900.00	7,001.00	14,732.53	7,321.00	205.50	201.28	119.08	-5,524.46	-7,805.06	658.31	321.99	336.32	1.957		
15,000.00	7,001.00	14,832.53	7,321.00	207.70	203.55	119.09	-5,524.49	-7,905.06	658.17	317.30	340.87	1.931		
15,100.00	7,001.00	14,932.53	7,321.00	209.91	205.84	119.10	-5,524.52	-8,005.06	658.02	312.60	345.42	1.905		
15,200.00	7,001.00	15,032.53	7,321.00	212.14	208.14	119.11	-5,524.55	-8,105.06	657.87	307.90	349.97	1.880		
15,300.00	7,001.00	15,132.53	7,321.00	214.38	210.45	119.11	-5,524.58	-8,205.06	657.73	303.19	354.53	1.855		
15,400.00	7,001.00	15,232.53	7,321.00	216.64	212.77	119.12	-5,524.61	-8,305.06	657.58	298.48	359.10	1.831		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	15,332.53	7,321.00	218.90	215.10	119.13	-5,524.65	-8,405.06	657.43	293.76	363.67	1.808		
15,600.00	7,001.00	15,432.53	7,321.00	221.18	217.45	119.13	-5,524.68	-8,505.06	657.29	289.03	368.25	1.785		
15,700.00	7,001.00	15,532.53	7,321.00	223.47	219.80	119.14	-5,524.71	-8,605.06	657.14	284.30	372.84	1.763		
15,800.00	7,001.00	15,632.53	7,321.00	225.78	222.16	119.15	-5,524.74	-8,705.06	656.99	279.57	377.43	1.741		
15,900.00	7,001.00	15,732.53	7,321.00	228.09	224.54	119.16	-5,524.77	-8,805.06	656.84	274.83	382.02	1.719		
16,000.00	7,001.00	15,832.53	7,321.00	230.41	226.92	119.16	-5,524.80	-8,905.06	656.70	270.08	386.62	1.699		
16,100.00	7,001.00	15,932.53	7,321.00	232.75	229.31	119.17	-5,524.84	-9,005.06	656.55	265.33	391.22	1.678		
16,200.00	7,001.00	16,032.53	7,321.00	235.09	231.71	119.18	-5,524.87	-9,105.06	656.40	260.58	395.83	1.658		
16,300.00	7,001.00	16,132.53	7,321.00	237.45	234.11	119.18	-5,524.90	-9,205.06	656.26	255.82	400.44	1.639		
16,400.00	7,001.00	16,232.53	7,321.00	239.81	236.53	119.19	-5,524.93	-9,305.06	656.11	251.06	405.05	1.620		
16,500.00	7,001.00	16,332.53	7,321.00	242.18	238.95	119.20	-5,524.96	-9,405.06	655.96	246.29	409.67	1.601		
16,600.00	7,001.00	16,432.53	7,321.00	244.56	241.38	119.21	-5,524.99	-9,505.06	655.82	241.52	414.29	1.583		
16,700.00	7,001.00	16,532.53	7,321.00	246.95	243.82	119.21	-5,525.03	-9,605.06	655.67	236.75	418.92	1.565		
16,800.00	7,001.00	16,632.53	7,321.00	249.35	246.27	119.22	-5,525.06	-9,705.06	655.52	231.98	423.55	1.548		
16,900.00	7,001.00	16,732.53	7,321.00	251.75	248.72	119.23	-5,525.09	-9,805.06	655.38	227.20	428.18	1.531		
17,000.00	7,001.00	16,832.53	7,321.00	254.17	251.18	119.23	-5,525.12	-9,905.06	655.23	222.42	432.81	1.514		
17,100.00	7,001.00	16,932.53	7,321.00	256.59	253.64	119.24	-5,525.15	-10,005.06	655.08	217.63	437.45	1.497 Level 3		
17,200.00	7,001.00	17,032.53	7,321.00	259.01	256.11	119.25	-5,525.18	-10,105.06	654.94	212.84	442.09	1.481 Level 3		
17,300.00	7,001.00	17,132.53	7,321.00	261.45	258.59	119.26	-5,525.21	-10,205.06	654.79	208.05	446.74	1.466 Level 3		
17,400.00	7,001.00	17,232.53	7,321.00	263.89	261.07	119.26	-5,525.25	-10,305.06	654.64	203.26	451.38	1.450 Level 3		
17,500.00	7,001.00	17,332.53	7,321.00	266.34	263.56	119.27	-5,525.28	-10,405.06	654.50	198.46	456.03	1.435 Level 3		
17,600.00	7,001.00	17,432.53	7,321.00	268.79	266.05	119.28	-5,525.31	-10,505.06	654.35	193.67	460.68	1.420 Level 3		
17,700.00	7,001.00	17,532.53	7,321.00	271.25	268.55	119.28	-5,525.34	-10,605.06	654.20	188.87	465.33	1.406 Level 3		
17,800.00	7,001.00	17,632.53	7,321.00	273.72	271.06	119.29	-5,525.37	-10,705.06	654.06	184.06	469.99	1.392 Level 3		
17,900.00	7,001.00	17,732.53	7,321.00	276.19	273.57	119.30	-5,525.40	-10,805.06	653.91	179.26	474.65	1.378 Level 3		
18,000.00	7,001.00	17,832.53	7,321.00	278.67	276.08	119.31	-5,525.44	-10,905.06	653.76	174.45	479.31	1.364 Level 3		
18,100.00	7,001.00	17,932.52	7,321.00	281.15	278.60	119.31	-5,525.47	-11,005.06	653.61	169.65	483.97	1.351 Level 3		
18,200.00	7,001.00	18,035.75	7,321.00	283.64	281.20	119.32	-5,525.55	-11,108.28	653.46	163.98	489.48	1.335 Level 3		
18,300.00	7,001.00	18,160.55	7,321.00	286.15	284.38	119.35	-5,529.01	-11,233.03	652.81	152.66	500.14	1.305 Level 3		
18,400.00	7,001.00	18,285.28	7,321.00	288.68	287.59	119.43	-5,537.89	-11,357.43	651.40	141.58	509.82	1.278 Level 3		
18,500.00	7,001.00	18,409.83	7,321.00	291.24	290.81	119.59	-5,552.16	-11,481.16	648.65	130.31	518.33	1.251 Level 3		
18,600.00	7,001.00	18,529.94	7,321.00	293.80	293.94	119.97	-5,570.96	-11,599.78	642.39	117.70	524.69	1.224 Level 2		
18,700.00	7,001.00	18,629.56	7,321.00	296.36	296.53	120.36	-5,588.09	-11,697.91	634.85	107.16	527.69	1.203 Level 2		
18,800.00	7,001.00	18,729.18	7,321.00	298.93	299.12	120.77	-5,605.22	-11,796.05	627.33	96.74	530.60	1.182 Level 2		
18,900.00	7,001.00	18,828.80	7,321.00	301.50	301.72	121.18	-5,622.35	-11,894.18	619.85	86.44	533.41	1.162 Level 2		
19,000.00	7,001.00	18,928.42	7,321.00	304.07	304.31	121.60	-5,639.48	-11,992.32	612.40	76.28	536.13	1.142 Level 2		
19,100.00	7,001.00	19,028.04	7,321.00	306.65	306.91	122.03	-5,656.61	-12,090.45	604.99	66.25	538.74	1.123 Level 2		
19,200.00	7,001.00	19,127.66	7,321.00	309.23	309.51	122.47	-5,673.75	-12,188.59	597.61	56.37	541.24	1.104 Level 2		
19,300.00	7,001.00	19,227.28	7,321.00	311.81	312.11	122.93	-5,690.88	-12,286.72	590.27	46.65	543.62	1.086 Level 2		
19,400.00	7,001.00	19,326.90	7,321.00	314.39	314.71	123.39	-5,708.01	-12,384.86	582.96	37.08	545.88	1.068 Level 2		
19,500.00	7,001.00	19,426.52	7,321.00	316.97	317.31	123.87	-5,725.14	-12,482.99	575.70	27.68	548.02	1.051 Level 2		
19,600.00	7,001.00	19,526.14	7,321.00	319.56	319.91	124.36	-5,742.27	-12,581.13	568.47	18.45	550.02	1.034 Level 2		
19,700.00	7,001.00	19,625.76	7,321.00	322.15	322.52	124.86	-5,759.40	-12,679.26	561.29	9.40	551.88	1.017 Level 2		
19,800.00	7,001.00	19,724.27	7,321.00	324.74	325.09	125.37	-5,776.35	-12,776.31	554.15	0.70	553.45	1.001 Level 2		
19,900.00	7,001.00	19,811.45	7,321.00	327.33	327.37	125.77	-5,790.03	-12,862.41	548.19	-5.35	553.54	0.990 Level 1		
20,000.00	7,001.00	19,900.00	7,321.00	329.92	329.69	126.22	-5,801.24	-12,950.24	542.61	-10.95	553.56	0.980 Level 1		
20,100.00	7,001.00	19,984.48	7,321.00	332.49	331.89	126.68	-5,809.40	-13,034.32	536.67	-15.41	552.08	0.972 Level 1		
20,200.00	7,001.00	20,071.29	7,321.00	335.04	334.15	127.09	-5,815.20	-13,120.94	531.14	-19.55	550.68	0.965 Level 1		
20,300.00	7,001.00	20,158.39	7,321.00	337.60	336.41	127.32	-5,818.38	-13,207.97	527.93	-21.92	549.85	0.960 Level 1		
20,382.13	7,001.00	20,230.03	7,321.00	339.70	338.26	127.38	-5,819.01	-13,279.61	527.12	-22.54	549.66	0.959 Level 1		
20,400.00	7,001.00	20,246.21	7,321.00	340.16	338.67	127.38	-5,818.90	-13,295.79	527.15	-22.73	549.88	0.959 Level 1		
20,500.00	7,001.00	20,346.21	7,321.00	342.72	341.24	127.35	-5,818.13	-13,395.79	527.47	-26.90	554.38	0.951 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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	
20,600.00	7,001.00	20,446.21	7,321.00	345.29	343.82	127.32	-5,817.36	-13,495.78	527.79	-31.08	558.88	0.944	Level 1
20,700.00	7,001.00	20,546.21	7,321.00	347.86	346.39	127.30	-5,816.58	-13,595.78	528.11	-35.27	563.38	0.937	Level 1
20,800.00	7,001.00	20,646.21	7,321.00	350.43	348.97	127.27	-5,815.81	-13,695.78	528.43	-39.45	567.88	0.931	Level 1
20,900.00	7,001.00	20,746.21	7,321.00	353.00	351.55	127.24	-5,815.04	-13,795.77	528.75	-43.64	572.39	0.924	Level 1
21,000.00	7,001.00	20,846.21	7,321.00	355.58	354.14	127.22	-5,814.27	-13,895.77	529.07	-47.83	576.91	0.917	Level 1
21,100.00	7,001.00	20,946.21	7,321.00	358.16	356.72	127.19	-5,813.49	-13,995.77	529.39	-52.03	581.42	0.911	Level 1
21,121.77	7,001.00	20,967.98	7,321.00	358.72	357.29	127.18	-5,813.32	-14,017.54	529.46	-52.95	582.41	0.909	Level 1, ES, SF

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	0.00	0.00	0.00	0.00	72.98	6.55	21.40	22.38					
100.00	100.00	100.00	100.00	0.27	0.27	72.98	6.55	21.40	22.38	21.85	0.54	41.630		
200.00	200.00	200.00	200.00	0.63	0.63	72.98	6.55	21.40	22.38	21.13	1.25	17.842		
300.00	300.00	300.47	300.45	0.99	0.97	76.60	4.94	20.71	21.29	19.33	1.96	10.865		
400.00	399.98	400.79	400.62	1.33	1.32	-120.32	0.09	18.63	19.46	16.81	2.65	7.348		
500.00	499.84	500.99	500.43	1.67	1.69	-110.22	-7.96	15.17	18.24	14.89	3.35	5.442		
600.00	599.45	601.06	599.75	2.03	2.07	-99.02	-19.20	10.34	17.79	13.69	4.10	4.338		
605.28	604.70	606.34	604.98	2.05	2.10	-98.42	-19.88	10.05	17.79	13.64	4.14	4.294 CC		
700.00	698.70	701.01	698.46	2.41	2.49	-87.70	-33.60	4.16	18.16	13.27	4.89	3.710		
800.00	797.47	800.84	796.44	2.81	2.93	-77.32	-51.13	-3.37	19.32	13.59	5.73	3.373		
900.00	895.62	900.54	893.58	3.25	3.42	-68.52	-71.76	-12.23	21.15	14.56	6.59	3.211		
1,000.00	993.06	1,000.00	989.64	3.72	3.93	-61.44	-95.42	-22.39	23.49	16.03	7.46	3.149		
1,100.00	1,089.64	1,099.58	1,084.87	4.23	4.50	-55.88	-122.16	-33.88	26.22	17.86	8.36	3.137		
1,200.00	1,185.27	1,198.91	1,178.79	4.78	5.10	-51.58	-151.85	-46.63	29.22	19.95	9.27	3.151		
1,300.00	1,279.82	1,298.13	1,271.43	5.38	5.76	-48.27	-184.47	-60.65	32.43	22.21	10.22	3.174		
1,400.00	1,373.17	1,397.23	1,362.68	6.03	6.46	-45.73	-219.98	-75.90	35.79	24.59	11.20	3.197		
1,500.00	1,465.21	1,496.21	1,452.43	6.72	7.20	-43.78	-258.32	-92.36	39.26	27.05	12.21	3.215		
1,600.00	1,555.84	1,595.07	1,540.58	7.47	8.00	-42.30	-299.44	-110.02	42.82	29.54	13.27	3.226		
1,700.00	1,644.94	1,693.82	1,627.04	8.27	8.85	-41.17	-343.27	-128.85	46.44	32.05	14.38	3.228		
1,800.00	1,732.39	1,792.46	1,711.71	9.12	9.74	-40.34	-389.76	-148.82	50.11	34.56	15.55	3.223		
1,900.00	1,818.11	1,890.98	1,794.49	10.02	10.68	-39.73	-438.84	-169.90	53.82	37.05	16.77	3.209		
2,000.00	1,901.97	1,989.40	1,875.29	10.98	11.67	-39.32	-490.45	-192.07	57.56	39.51	18.06	3.188		
2,100.00	1,983.88	2,087.71	1,954.04	11.98	12.71	-39.06	-544.52	-215.29	61.33	41.92	19.41	3.160		
2,200.00	2,063.74	2,185.92	2,030.64	13.04	13.79	-38.93	-600.98	-239.55	65.10	44.27	20.83	3.125		
2,300.00	2,141.45	2,284.02	2,105.01	14.14	14.92	-38.90	-659.76	-264.79	68.89	46.57	22.32	3.086		
2,400.00	2,216.92	2,382.02	2,177.08	15.30	16.09	-38.96	-720.78	-291.00	72.69	48.79	23.89	3.042		
2,500.00	2,290.05	2,479.93	2,246.76	16.50	17.31	-39.11	-783.96	-318.14	76.48	50.94	25.54	2.995		
2,600.00	2,360.76	2,577.74	2,313.99	17.76	18.57	-39.31	-849.23	-346.17	80.28	53.01	27.27	2.944		
2,700.00	2,428.95	2,675.46	2,378.70	19.05	19.86	-39.57	-916.51	-375.07	84.07	54.99	29.08	2.891		
2,800.00	2,494.55	2,773.09	2,440.81	20.39	21.20	-39.88	-985.71	-404.79	87.85	56.88	30.97	2.836		
2,900.00	2,557.49	2,872.19	2,501.78	21.78	22.59	-40.52	-1,057.50	-435.63	91.08	57.93	33.16	2.747		
3,000.00	2,619.27	2,972.15	2,563.11	23.18	24.00	-41.68	-1,130.02	-466.78	93.37	57.73	35.64	2.619		
3,100.00	2,681.04	3,072.10	2,624.44	24.60	25.41	-42.78	-1,202.55	-497.93	95.70	57.52	38.18	2.506		
3,200.00	2,742.82	3,172.06	2,685.77	26.02	26.83	-43.83	-1,275.07	-529.08	98.06	57.30	40.76	2.406		
3,300.00	2,804.59	3,272.02	2,747.10	27.44	28.26	-44.83	-1,347.59	-560.23	100.45	57.07	43.37	2.316		
3,400.00	2,866.37	3,371.97	2,808.42	28.87	29.68	-45.78	-1,420.12	-591.38	102.86	56.85	46.02	2.235		
3,500.00	2,928.15	3,471.93	2,869.75	30.30	31.11	-46.68	-1,492.64	-622.53	105.31	56.62	48.69	2.163		
3,600.00	2,989.92	3,571.89	2,931.08	31.73	32.54	-47.55	-1,565.17	-653.68	107.78	56.39	51.39	2.097		
3,700.00	3,051.70	3,671.84	2,992.41	33.17	33.98	-48.38	-1,637.69	-684.83	110.28	56.16	54.11	2.038		
3,800.00	3,113.47	3,771.80	3,053.74	34.61	35.41	-49.17	-1,710.22	-715.98	112.79	55.94	56.85	1.984		
3,900.00	3,175.25	3,871.76	3,115.07	36.05	36.85	-49.92	-1,782.74	-747.13	115.33	55.72	59.61	1.935		
4,000.00	3,237.03	3,971.71	3,176.39	37.49	38.29	-50.65	-1,855.27	-778.29	117.89	55.50	62.39	1.890		
4,100.00	3,298.80	4,071.67	3,237.72	38.93	39.73	-51.34	-1,927.79	-809.44	120.46	55.29	65.18	1.848		
4,200.00	3,360.58	4,171.63	3,299.05	40.37	41.17	-52.00	-2,000.31	-840.59	123.05	55.08	67.97	1.810		
4,300.00	3,422.35	4,271.58	3,360.38	41.82	42.61	-52.64	-2,072.84	-871.74	125.66	54.88	70.79	1.775		
4,400.00	3,484.13	4,371.54	3,421.71	43.27	44.05	-53.25	-2,145.36	-902.89	128.28	54.68	73.61	1.743		
4,500.00	3,545.90	4,471.49	3,483.03	44.72	45.49	-53.83	-2,217.89	-934.04	130.92	54.48	76.44	1.713		
4,600.00	3,607.68	4,571.45	3,544.36	46.16	46.94	-54.40	-2,290.41	-965.19	133.57	54.30	79.27	1.685		
4,700.00	3,669.46	4,671.41	3,605.69	47.61	48.38	-54.94	-2,362.94	-996.34	136.23	54.11	82.12	1.659		
4,800.00	3,731.23	4,771.36	3,667.02	49.06	49.83	-55.46	-2,435.46	-1,027.49	138.90	53.94	84.97	1.635		
4,900.00	3,793.01	4,871.32	3,728.35	50.52	51.27	-55.96	-2,507.99	-1,058.64	141.59	53.77	87.82	1.612		
5,000.00	3,854.78	4,971.28	3,789.67	51.97	52.72	-56.44	-2,580.51	-1,089.79	144.28	53.60	90.68	1.591		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	3,916.56	5,071.23	3,851.00	53.42	54.17	-56.90	-2,653.03	-1,120.94	146.99	53.44	93.55	1.571		
5,200.00	3,978.34	5,171.19	3,912.33	54.87	55.62	-57.35	-2,725.56	-1,152.09	149.70	53.29	96.42	1.553		
5,300.00	4,040.11	5,271.15	3,973.66	56.32	57.06	-57.78	-2,798.08	-1,183.25	152.42	53.14	99.29	1.535		
5,400.00	4,101.89	5,371.10	4,034.99	57.78	58.51	-58.19	-2,870.61	-1,214.40	155.15	52.99	102.16	1.519		
5,500.00	4,163.66	5,471.06	4,096.31	59.23	59.96	-58.60	-2,943.13	-1,245.55	157.89	52.85	105.04	1.503		
5,600.00	4,225.44	5,571.02	4,157.64	60.69	61.41	-58.98	-3,015.66	-1,276.70	160.64	52.72	107.92	1.488	Level 3	
5,700.00	4,287.21	5,670.97	4,218.97	62.14	62.86	-59.36	-3,088.18	-1,307.85	163.39	52.59	110.80	1.475	Level 3	
5,800.00	4,348.99	5,770.93	4,280.30	63.60	64.31	-59.72	-3,160.71	-1,339.00	166.15	52.46	113.69	1.461	Level 3	
5,900.00	4,410.77	5,870.89	4,341.63	65.05	65.76	-60.07	-3,233.23	-1,370.15	168.92	52.34	116.58	1.449	Level 3	
6,000.00	4,472.54	5,970.84	4,402.96	66.51	67.21	-60.41	-3,305.75	-1,401.30	171.69	52.23	119.46	1.437	Level 3	
6,100.00	4,534.32	6,070.80	4,464.28	67.96	68.66	-60.74	-3,378.28	-1,432.45	174.47	52.11	122.35	1.426	Level 3	
6,200.00	4,596.09	6,170.76	4,525.61	69.42	70.11	-61.06	-3,450.80	-1,463.60	177.25	52.01	125.25	1.415	Level 3	
6,300.00	4,657.87	6,270.71	4,586.94	70.88	71.56	-61.36	-3,523.33	-1,494.75	180.04	51.90	128.14	1.405	Level 3	
6,400.00	4,719.64	6,370.67	4,648.27	72.33	73.01	-61.66	-3,595.85	-1,525.90	182.84	51.81	131.03	1.395	Level 3	
6,500.00	4,781.42	6,470.62	4,709.60	73.79	74.46	-61.95	-3,668.38	-1,557.05	185.63	51.71	133.92	1.386	Level 3	
6,600.00	4,843.20	6,570.58	4,770.92	75.25	75.91	-62.23	-3,740.90	-1,588.20	188.44	51.62	136.82	1.377	Level 3	
6,700.00	4,904.97	6,670.54	4,832.25	76.71	77.36	-62.51	-3,813.43	-1,619.36	191.25	51.53	139.71	1.369	Level 3	
6,800.00	4,966.75	6,770.49	4,893.58	78.16	78.81	-62.77	-3,885.95	-1,650.51	194.06	51.45	142.61	1.361	Level 3	
6,900.00	5,028.52	6,870.45	4,954.91	79.62	80.27	-63.03	-3,958.47	-1,681.66	196.87	51.37	145.51	1.353	Level 3	
7,000.00	5,090.30	6,970.41	5,016.24	81.08	81.72	-63.28	-4,031.00	-1,712.81	199.69	51.29	148.40	1.346	Level 3	
7,100.00	5,152.08	7,070.36	5,077.56	82.54	83.17	-63.52	-4,103.52	-1,743.96	202.52	51.22	151.30	1.339	Level 3	
7,200.00	5,213.85	7,170.32	5,138.89	83.99	84.62	-63.76	-4,176.05	-1,775.11	205.35	51.15	154.20	1.332	Level 3	
7,300.00	5,275.63	7,270.28	5,200.22	85.45	86.07	-63.99	-4,248.57	-1,806.26	208.18	51.08	157.10	1.325	Level 3	
7,400.00	5,337.40	7,370.23	5,261.55	86.91	87.53	-64.21	-4,321.10	-1,837.41	211.01	51.02	159.99	1.319	Level 3	
7,500.00	5,399.18	7,470.19	5,322.88	88.37	88.98	-64.43	-4,393.62	-1,868.56	213.85	50.96	162.89	1.313	Level 3	
7,600.00	5,460.95	7,570.15	5,384.21	89.83	90.43	-64.64	-4,466.15	-1,899.71	216.69	50.90	165.79	1.307	Level 3	
7,700.00	5,522.73	7,670.10	5,445.53	91.29	91.88	-64.85	-4,538.67	-1,930.86	219.53	50.84	168.69	1.301	Level 3	
7,800.00	5,584.51	7,770.06	5,506.86	92.75	93.34	-65.05	-4,611.19	-1,962.01	222.38	50.79	171.59	1.296	Level 3	
7,900.00	5,646.28	7,870.02	5,568.19	94.20	94.79	-65.25	-4,683.72	-1,993.16	225.22	50.74	174.49	1.291	Level 3	
8,000.00	5,708.06	7,969.97	5,629.52	95.66	96.24	-65.44	-4,756.24	-2,024.32	228.08	50.69	177.38	1.286	Level 3	
8,100.00	5,769.83	8,069.93	5,690.85	97.12	97.70	-65.62	-4,828.77	-2,055.47	230.93	50.65	180.28	1.281	Level 3	
8,200.00	5,831.61	8,169.88	5,752.17	98.58	99.15	-65.81	-4,901.29	-2,086.62	233.78	50.60	183.18	1.276	Level 3	
8,300.00	5,893.39	8,269.84	5,813.50	100.04	100.60	-65.98	-4,973.82	-2,117.77	236.64	50.56	186.08	1.272	Level 3	
8,400.00	5,955.16	8,369.80	5,874.83	101.50	102.05	-66.16	-5,046.34	-2,148.92	239.50	50.53	188.98	1.267	Level 3	
8,500.00	6,016.94	8,469.75	5,936.16	102.96	103.51	-66.33	-5,118.86	-2,180.07	242.37	50.49	191.88	1.263	Level 3	
8,600.00	6,078.71	8,569.71	5,997.49	104.42	104.96	-66.49	-5,191.39	-2,211.22	245.23	50.46	194.77	1.259	Level 3	
8,700.00	6,140.49	8,669.67	6,058.81	105.88	106.41	-66.65	-5,263.91	-2,242.37	248.10	50.43	197.67	1.255	Level 3	
8,800.00	6,202.26	8,769.62	6,120.14	107.34	107.87	-66.81	-5,336.44	-2,273.52	250.97	50.40	200.57	1.251	Level 3	
8,900.00	6,264.04	8,869.58	6,181.47	108.80	109.32	-66.97	-5,408.96	-2,304.67	253.84	50.37	203.47	1.248	Level 2	
9,000.00	6,325.82	8,969.54	6,242.80	110.26	110.77	-67.12	-5,481.49	-2,335.82	256.71	50.34	206.37	1.244	Level 2	
9,100.00	6,387.59	9,069.49	6,304.13	111.72	112.23	-67.27	-5,554.01	-2,366.97	259.58	50.32	209.26	1.240	Level 2	
9,200.00	6,449.37	9,169.45	6,365.46	113.18	113.68	-67.41	-5,626.54	-2,398.12	262.46	50.30	212.16	1.237	Level 2	
9,300.00	6,511.14	9,269.41	6,426.78	114.64	115.14	-67.55	-5,699.06	-2,429.27	265.34	50.28	215.06	1.234	Level 2	
9,400.00	6,572.92	9,369.36	6,488.11	116.10	116.59	-67.69	-5,771.58	-2,460.43	268.21	50.26	217.95	1.231	Level 2	
9,500.00	6,634.70	9,469.32	6,549.44	117.56	118.04	-67.82	-5,844.11	-2,491.58	271.09	50.24	220.85	1.227	Level 2	
9,600.00	6,696.47	9,569.28	6,610.77	119.02	119.50	-67.96	-5,916.63	-2,522.73	273.98	50.23	223.75	1.224	Level 2	
9,700.00	6,758.22	9,669.23	6,672.09	120.48	120.95	-68.90	-5,989.16	-2,553.88	276.94	50.28	226.66	1.222	Level 2	
9,800.00	6,817.23	9,768.21	6,732.82	122.00	122.39	-76.48	-6,060.97	-2,584.72	288.25	57.01	231.24	1.247	Level 2	
9,900.00	6,870.40	9,863.39	6,791.22	123.58	123.77	-83.71	-6,130.03	-2,614.38	313.69	76.03	237.66	1.320	Level 3	
10,000.00	6,916.13	9,951.87	6,845.50	125.16	125.06	-89.80	-6,194.23	-2,641.96	353.76	109.48	244.28	1.448	Level 3	
10,100.00	6,953.01	10,030.96	6,894.03	126.69	126.21	-94.06	-6,251.61	-2,666.61	408.34	158.44	249.90	1.634		
10,200.00	6,979.94	10,098.26	6,935.33	128.11	127.19	-95.84	-6,300.45	-2,687.58	476.32	222.26	254.06	1.875		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	6,996.09	10,151.73	6,968.13	129.37	127.97	-94.17	-6,339.24	-2,704.25	555.76	298.92	256.84	2.164		
10,400.00	7,001.00	10,189.79	6,991.48	130.45	128.52	-87.90	-6,366.85	-2,716.11	644.08	385.60	258.49	2.492		
10,500.00	7,001.00	11,137.23	7,321.00	131.44	141.16	-116.22	-6,755.67	-3,405.95	724.41	602.58	121.82	5.946		
10,600.00	7,001.00	11,237.23	7,321.00	132.48	142.09	-116.22	-6,755.51	-3,505.95	724.38	598.88	125.51	5.772		
10,700.00	7,001.00	11,337.23	7,321.00	133.54	143.05	-116.22	-6,755.34	-3,605.95	724.36	595.08	129.27	5.603		
10,800.00	7,001.00	11,437.23	7,321.00	134.64	144.04	-116.22	-6,755.18	-3,705.95	724.33	591.21	133.12	5.441		
10,900.00	7,001.00	11,537.23	7,321.00	135.77	145.07	-116.22	-6,755.01	-3,805.95	724.31	587.27	137.04	5.286		
11,000.00	7,001.00	11,637.23	7,321.00	136.94	146.12	-116.22	-6,754.85	-3,905.95	724.28	583.26	141.02	5.136		
11,100.00	7,001.00	11,737.23	7,321.00	138.14	147.21	-116.22	-6,754.69	-4,005.95	724.26	579.20	145.06	4.993		
11,200.00	7,001.00	11,837.23	7,321.00	139.38	148.33	-116.22	-6,754.52	-4,105.95	724.23	575.08	149.16	4.856		
11,300.00	7,001.00	11,937.23	7,321.00	140.65	149.48	-116.22	-6,754.36	-4,205.95	724.21	570.90	153.30	4.724		
11,400.00	7,001.00	12,037.23	7,321.00	141.95	150.66	-116.22	-6,754.19	-4,305.95	724.18	566.69	157.50	4.598		
11,500.00	7,001.00	12,137.23	7,321.00	143.29	151.88	-116.22	-6,754.03	-4,405.95	724.16	562.43	161.73	4.478		
11,600.00	7,001.00	12,237.23	7,321.00	144.66	153.13	-116.23	-6,753.86	-4,505.95	724.13	558.13	166.01	4.362		
11,700.00	7,001.00	12,337.23	7,321.00	146.06	154.40	-116.23	-6,753.70	-4,605.95	724.11	553.79	170.32	4.251		
11,800.00	7,001.00	12,437.23	7,321.00	147.50	155.71	-116.23	-6,753.54	-4,705.95	724.08	549.42	174.67	4.146		
11,900.00	7,001.00	12,537.23	7,321.00	148.97	157.06	-116.23	-6,753.37	-4,805.95	724.06	545.01	179.04	4.044		
12,000.00	7,001.00	12,637.23	7,321.00	150.47	158.43	-116.23	-6,753.21	-4,905.95	724.03	540.58	183.45	3.947		
12,100.00	7,001.00	12,737.23	7,321.00	152.00	159.83	-116.23	-6,753.04	-5,005.95	724.01	536.13	187.88	3.853		
12,200.00	7,001.00	12,837.23	7,321.00	153.57	161.27	-116.23	-6,752.88	-5,105.95	723.98	531.64	192.34	3.764		
12,300.00	7,001.00	12,937.23	7,321.00	155.16	162.73	-116.23	-6,752.71	-5,205.95	723.96	527.13	196.82	3.678		
12,400.00	7,001.00	13,037.23	7,321.00	156.79	164.23	-116.23	-6,752.55	-5,305.95	723.93	522.61	201.33	3.596		
12,500.00	7,001.00	13,137.23	7,321.00	158.44	165.75	-116.23	-6,752.38	-5,405.95	723.91	518.06	205.85	3.517		
12,600.00	7,001.00	13,237.23	7,321.00	160.13	167.31	-116.24	-6,752.22	-5,505.95	723.88	513.49	210.40	3.441		
12,700.00	7,001.00	13,337.23	7,321.00	161.84	168.89	-116.24	-6,752.06	-5,605.95	723.86	508.90	214.96	3.367		
12,800.00	7,001.00	13,437.23	7,321.00	163.58	170.50	-116.24	-6,751.89	-5,705.95	723.84	504.30	219.54	3.297		
12,900.00	7,001.00	13,537.23	7,321.00	165.35	172.15	-116.24	-6,751.73	-5,805.95	723.81	499.68	224.13	3.229		
13,000.00	7,001.00	13,637.23	7,321.00	167.14	173.81	-116.24	-6,751.56	-5,905.95	723.79	495.04	228.74	3.164		
13,100.00	7,001.00	13,737.23	7,321.00	168.97	175.51	-116.24	-6,751.40	-6,005.95	723.76	490.40	233.36	3.101		
13,200.00	7,001.00	13,837.23	7,321.00	170.81	177.23	-116.24	-6,751.23	-6,105.95	723.74	485.74	238.00	3.041		
13,300.00	7,001.00	13,937.23	7,321.00	172.68	178.98	-116.24	-6,751.07	-6,205.95	723.71	481.06	242.65	2.983		
13,400.00	7,001.00	14,037.23	7,321.00	174.58	180.76	-116.24	-6,750.91	-6,305.95	723.69	476.38	247.31	2.926		
13,500.00	7,001.00	14,137.23	7,321.00	176.50	182.56	-116.24	-6,750.74	-6,405.95	723.66	471.68	251.98	2.872		
13,600.00	7,001.00	14,237.23	7,321.00	178.44	184.38	-116.25	-6,750.58	-6,505.95	723.64	466.97	256.66	2.819		
13,700.00	7,001.00	14,337.23	7,321.00	180.41	186.23	-116.25	-6,750.41	-6,605.95	723.61	462.26	261.35	2.769		
13,800.00	7,001.00	14,437.23	7,321.00	182.39	188.10	-116.25	-6,750.25	-6,705.95	723.59	457.53	266.05	2.720		
13,900.00	7,001.00	14,537.23	7,321.00	184.40	190.00	-116.25	-6,750.08	-6,805.95	723.56	452.80	270.76	2.672		
14,000.00	7,001.00	14,637.23	7,321.00	186.43	191.91	-116.25	-6,749.92	-6,905.95	723.54	448.06	275.48	2.626		
14,100.00	7,001.00	14,737.23	7,321.00	188.48	193.85	-116.25	-6,749.76	-7,005.95	723.51	443.31	280.21	2.582		
14,200.00	7,001.00	14,837.23	7,321.00	190.54	195.81	-116.25	-6,749.59	-7,105.95	723.49	438.55	284.94	2.539		
14,300.00	7,001.00	14,937.23	7,321.00	192.63	197.79	-116.25	-6,749.43	-7,205.95	723.46	433.78	289.68	2.497		
14,400.00	7,001.00	15,037.23	7,321.00	194.73	199.79	-116.25	-6,749.26	-7,305.95	723.44	429.01	294.43	2.457		
14,500.00	7,001.00	15,137.23	7,321.00	196.85	201.81	-116.25	-6,749.10	-7,405.95	723.41	424.23	299.18	2.418		
14,600.00	7,001.00	15,237.23	7,321.00	198.99	203.85	-116.25	-6,748.93	-7,505.95	723.39	419.45	303.94	2.380		
14,700.00	7,001.00	15,337.23	7,321.00	201.14	205.91	-116.26	-6,748.77	-7,605.95	723.36	414.66	308.71	2.343		
14,800.00	7,001.00	15,437.23	7,321.00	203.31	207.98	-116.26	-6,748.61	-7,705.95	723.34	409.86	313.48	2.307		
14,900.00	7,001.00	15,537.23	7,321.00	205.50	210.07	-116.26	-6,748.44	-7,805.95	723.31	405.06	318.26	2.273		
15,000.00	7,001.00	15,637.23	7,321.00	207.70	212.18	-116.26	-6,748.28	-7,905.95	723.29	400.25	323.04	2.239		
15,100.00	7,001.00	15,737.23	7,321.00	209.91	214.31	-116.26	-6,748.11	-8,005.95	723.27	395.44	327.83	2.206		
15,200.00	7,001.00	15,837.23	7,321.00	212.14	216.45	-116.26	-6,747.95	-8,105.95	723.24	390.62	332.62	2.174		
15,300.00	7,001.00	15,937.23	7,321.00	214.38	218.60	-116.26	-6,747.78	-8,205.95	723.22	385.80	337.41	2.143		
15,400.00	7,001.00	16,037.23	7,321.00	216.64	220.77	-116.26	-6,747.62	-8,305.95	723.19	380.98	342.21	2.113		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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			
15,500.00	7,001.00	16,137.23	7,321.00	218.90	222.96	-116.26	-6,747.46	-8,405.95	723.17	376.15	347.02	2.084				
15,600.00	7,001.00	16,237.23	7,321.00	221.18	225.16	-116.26	-6,747.29	-8,505.95	723.14	371.31	351.83	2.055				
15,700.00	7,001.00	16,337.23	7,321.00	223.47	227.37	-116.27	-6,747.13	-8,605.95	723.12	366.48	356.64	2.028				
15,800.00	7,001.00	16,437.23	7,321.00	225.78	229.60	-116.27	-6,746.96	-8,705.95	723.09	361.64	361.46	2.001				
15,900.00	7,001.00	16,537.23	7,321.00	228.09	231.84	-116.27	-6,746.80	-8,805.95	723.07	356.79	366.27	1.974				
16,000.00	7,001.00	16,637.23	7,321.00	230.41	234.09	-116.27	-6,746.63	-8,905.95	723.04	351.94	371.10	1.948				
16,100.00	7,001.00	16,737.23	7,321.00	232.75	236.35	-116.27	-6,746.47	-9,005.95	723.02	347.09	375.92	1.923				
16,200.00	7,001.00	16,837.23	7,321.00	235.09	238.63	-116.27	-6,746.31	-9,105.95	722.99	342.24	380.75	1.899				
16,300.00	7,001.00	16,937.23	7,321.00	237.45	240.91	-116.27	-6,746.14	-9,205.95	722.97	337.38	385.58	1.875				
16,400.00	7,001.00	17,037.23	7,321.00	239.81	243.21	-116.27	-6,745.98	-9,305.95	722.94	332.52	390.42	1.852				
16,500.00	7,001.00	17,137.23	7,321.00	242.18	245.52	-116.27	-6,745.81	-9,405.95	722.92	327.66	395.26	1.829				
16,600.00	7,001.00	17,237.23	7,321.00	244.56	247.83	-116.27	-6,745.65	-9,505.95	722.89	322.80	400.10	1.807				
16,700.00	7,001.00	17,337.23	7,321.00	246.95	250.16	-116.28	-6,745.48	-9,605.95	722.87	317.93	404.94	1.785				
16,800.00	7,001.00	17,437.23	7,321.00	249.35	252.50	-116.28	-6,745.32	-9,705.95	722.84	313.06	409.78	1.764				
16,900.00	7,001.00	17,537.23	7,321.00	251.75	254.84	-116.28	-6,745.16	-9,805.95	722.82	308.19	414.63	1.743				
17,000.00	7,001.00	17,637.23	7,321.00	254.17	257.20	-116.28	-6,744.99	-9,905.95	722.79	303.31	419.48	1.723				
17,100.00	7,001.00	17,737.23	7,321.00	256.59	259.56	-116.28	-6,744.83	-10,005.95	722.77	298.44	424.33	1.703				
17,200.00	7,001.00	17,837.23	7,321.00	259.01	261.94	-116.28	-6,744.66	-10,105.95	722.75	293.56	429.19	1.684				
17,300.00	7,001.00	17,937.23	7,321.00	261.45	264.32	-116.28	-6,744.50	-10,205.95	722.72	288.68	434.04	1.665				
17,400.00	7,001.00	18,037.23	7,321.00	263.89	266.70	-116.28	-6,744.33	-10,305.94	722.70	283.80	438.90	1.647				
17,500.00	7,001.00	18,137.23	7,321.00	266.34	269.10	-116.28	-6,744.17	-10,405.94	722.67	278.91	443.76	1.629				
17,600.00	7,001.00	18,237.23	7,321.00	268.79	271.50	-116.28	-6,744.01	-10,505.94	722.65	274.02	448.62	1.611				
17,700.00	7,001.00	18,337.23	7,321.00	271.25	273.92	-116.28	-6,743.84	-10,605.94	722.62	269.14	453.49	1.593				
17,800.00	7,001.00	18,437.23	7,321.00	273.72	276.33	-116.29	-6,743.68	-10,705.94	722.60	264.25	458.35	1.577				
17,900.00	7,001.00	18,537.23	7,321.00	276.19	278.76	-116.29	-6,743.51	-10,805.94	722.57	259.35	463.22	1.560				
18,000.00	7,001.00	18,637.23	7,321.00	278.67	281.19	-116.29	-6,743.35	-10,905.94	722.55	254.46	468.09	1.544				
18,100.00	7,001.00	18,737.23	7,321.00	281.15	283.63	-116.29	-6,743.18	-11,005.94	722.52	249.57	472.96	1.528				
18,200.00	7,001.00	18,837.23	7,321.00	283.64	286.07	-116.29	-6,743.02	-11,105.94	722.47	244.65	477.82	1.512				
18,300.00	7,001.00	18,937.20	7,321.00	286.15	288.52	-116.39	-6,742.86	-11,205.91	720.51	238.11	482.40	1.494	Level 3			
18,400.00	7,001.00	19,037.04	7,321.00	288.68	290.97	-116.63	-6,742.69	-11,305.75	715.43	228.95	486.48	1.471	Level 3			
18,500.00	7,001.00	19,136.68	7,321.00	291.24	293.43	-116.96	-6,742.53	-11,405.39	707.86	217.75	490.11	1.444	Level 3			
18,600.00	7,001.00	19,236.30	7,321.00	293.80	295.89	-117.29	-6,742.36	-11,505.01	700.11	206.46	493.64	1.418	Level 3			
18,700.00	7,001.00	19,335.92	7,321.00	296.36	298.35	-117.62	-6,742.20	-11,604.63	692.37	195.26	497.11	1.393	Level 3			
18,800.00	7,001.00	19,435.54	7,321.00	298.93	300.82	-117.95	-6,742.04	-11,704.25	684.66	184.15	500.51	1.368	Level 3			
18,900.00	7,001.00	19,535.16	7,321.00	301.50	303.29	-118.30	-6,741.87	-11,803.87	676.97	173.13	503.84	1.344	Level 3			
19,000.00	7,001.00	19,634.78	7,321.00	304.07	305.77	-118.65	-6,741.71	-11,903.49	669.31	162.21	507.10	1.320	Level 3			
19,100.00	7,001.00	19,734.40	7,321.00	306.65	308.25	-119.01	-6,741.55	-12,003.11	661.67	151.39	510.28	1.297	Level 3			
19,200.00	7,001.00	19,834.02	7,321.00	309.23	310.74	-119.38	-6,741.38	-12,102.73	654.07	140.68	513.38	1.274	Level 3			
19,300.00	7,001.00	19,933.64	7,321.00	311.81	313.23	-119.76	-6,741.22	-12,202.35	646.48	130.09	516.40	1.252	Level 3			
19,400.00	7,001.00	20,033.26	7,321.00	314.39	315.73	-120.15	-6,741.05	-12,301.97	638.93	119.61	519.33	1.230	Level 2			
19,500.00	7,001.00	20,132.88	7,321.00	316.97	318.23	-120.55	-6,740.89	-12,401.59	631.41	109.25	522.16	1.209	Level 2			
19,600.00	7,001.00	20,232.50	7,321.00	319.56	320.74	-120.95	-6,740.73	-12,501.21	623.92	99.02	524.90	1.189	Level 2			
19,700.00	7,001.00	20,332.12	7,321.00	322.15	323.25	-121.37	-6,740.56	-12,600.83	616.46	88.92	527.53	1.169	Level 2			
19,800.00	7,001.00	20,431.74	7,321.00	324.74	325.76	-121.79	-6,740.40	-12,700.45	609.03	78.97	530.06	1.149	Level 2			
19,900.00	7,001.00	20,531.37	7,321.00	327.33	328.28	-122.20	-6,740.24	-12,800.08	601.75	69.23	532.52	1.130	Level 2			
20,000.00	7,001.00	20,631.18	7,321.00	329.92	330.80	-122.46	-6,740.07	-12,899.89	596.69	61.12	535.57	1.114	Level 2			
20,100.00	7,001.00	20,731.15	7,321.00	332.49	333.34	-122.56	-6,739.91	-12,999.86	594.58	55.05	539.53	1.102	Level 2			
20,179.45	7,001.00	20,810.60	7,321.00	334.52	335.35	-122.58	-6,739.78	-13,079.31	594.33	51.19	543.13	1.094	Level 2			
20,200.00	7,001.00	20,831.15	7,321.00	335.04	335.88	-122.56	-6,739.74	-13,099.86	594.64	50.45	544.19	1.093	Level 2			
20,300.00	7,001.00	20,931.15	7,321.00	337.60	338.42	-122.55	-6,739.58	-13,199.86	594.81	45.93	548.89	1.084	Level 2			
20,400.00	7,001.00	21,031.15	7,321.00	340.16	340.96	-122.54	-6,739.42	-13,299.86	594.99	41.40	553.58	1.075	Level 2			
20,500.00	7,001.00	21,131.15	7,321.00	342.72	343.51	-122.53	-6,739.25	-13,399.86	595.16	36.88	558.29	1.066	Level 2			

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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
20,600.00	7,001.00	21,231.15	7,321.00	345.29	346.06	-122.51	-6,739.09	-13,499.85	595.34	32.35	562.99	1.057	Level 2
20,700.00	7,001.00	21,331.15	7,321.00	347.86	348.62	-122.50	-6,738.92	-13,599.85	595.51	27.82	567.69	1.049	Level 2
20,800.00	7,001.00	21,431.15	7,321.00	350.43	351.17	-122.49	-6,738.76	-13,699.85	595.69	23.29	572.40	1.041	Level 2
20,900.00	7,001.00	21,531.15	7,321.00	353.00	353.74	-122.48	-6,738.59	-13,799.85	595.86	18.75	577.11	1.032	Level 2
21,000.00	7,001.00	21,631.15	7,321.00	355.58	356.30	-122.47	-6,738.43	-13,899.85	596.03	14.22	581.82	1.024	Level 2
21,100.00	7,001.00	21,731.15	7,321.00	358.16	358.87	-122.46	-6,738.27	-13,999.85	596.21	9.68	586.53	1.017	Level 2
21,121.77	7,001.00	21,746.26	7,321.00	358.72	359.25	-122.46	-6,738.24	-14,014.97	596.28	6.74	589.54	1.011	Level 2, ES, SF

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	0.00	0.00	0.00	0.00	73.08	13.11	43.09	45.05					
100.00	100.00	99.00	99.00	0.27	0.27	73.08	13.11	43.09	45.04	44.50	0.54	84.178		
200.00	200.00	199.95	199.93	0.63	0.62	74.84	11.50	42.43	43.97	42.72	1.24	35.332		
300.00	300.00	300.67	300.50	0.99	0.98	80.72	6.61	40.43	40.99	39.04	1.96	20.924		
400.00	399.98	401.05	400.49	1.33	1.35	-115.50	-1.52	37.11	37.89	35.22	2.67	14.168		
500.00	499.84	501.18	499.87	1.67	1.75	-104.97	-12.85	32.49	36.09	32.68	3.41	10.574		
568.52	568.13	569.66	567.55	1.91	2.04	-97.30	-22.45	28.57	35.72	31.77	3.95	9.040 CC		
600.00	599.45	601.07	598.52	2.03	2.17	-93.75	-27.36	26.57	35.80	31.60	4.20	8.525 ES		
700.00	698.70	700.71	696.32	2.41	2.63	-82.83	-44.98	19.37	37.06	32.04	5.03	7.373		
800.00	797.47	800.00	793.06	2.81	3.12	-73.06	-65.67	10.92	39.74	33.86	5.88	6.760		
900.00	895.62	899.27	888.94	3.25	3.65	-64.85	-89.45	1.22	43.57	36.82	6.75	6.457		
1,000.00	993.06	998.18	983.54	3.72	4.22	-58.22	-116.18	-9.70	48.28	40.65	7.62	6.332		
1,100.00	1,089.64	1,096.86	1,076.87	4.23	4.83	-52.97	-145.85	-21.81	53.62	45.11	8.51	6.298		
1,200.00	1,185.27	1,195.31	1,168.82	4.78	5.49	-48.85	-178.39	-35.10	59.43	50.01	9.42	6.309		
1,300.00	1,279.82	1,293.52	1,259.29	5.38	6.19	-45.61	-213.76	-49.53	65.57	55.23	10.35	6.337		
1,400.00	1,373.17	1,391.51	1,348.20	6.03	6.94	-43.07	-251.88	-65.10	71.95	60.65	11.30	6.365		
1,500.00	1,465.21	1,489.27	1,435.45	6.72	7.74	-41.06	-292.70	-81.76	78.50	66.21	12.29	6.386		
1,600.00	1,555.84	1,586.81	1,520.96	7.47	8.58	-39.48	-336.14	-99.50	85.16	71.85	13.32	6.396		
1,700.00	1,644.94	1,684.13	1,604.63	8.27	9.46	-38.24	-382.16	-118.29	91.91	77.53	14.38	6.392		
1,800.00	1,732.39	1,781.24	1,686.39	9.12	10.40	-37.27	-430.67	-138.09	98.70	83.22	15.49	6.374		
1,900.00	1,818.11	1,878.15	1,766.15	10.02	11.37	-36.52	-481.60	-158.88	105.53	88.89	16.64	6.342		
2,000.00	1,901.97	1,974.85	1,843.85	10.98	12.39	-35.95	-534.89	-180.64	112.37	94.52	17.84	6.298		
2,100.00	1,983.88	2,071.34	1,919.41	11.98	13.45	-35.53	-590.45	-203.32	119.20	100.10	19.10	6.242		
2,200.00	2,063.74	2,167.65	1,992.76	13.04	14.56	-35.23	-648.23	-226.91	126.02	105.61	20.41	6.174		
2,300.00	2,141.45	2,263.77	2,063.83	14.14	15.71	-35.04	-708.13	-251.37	132.81	111.03	21.78	6.098		
2,400.00	2,216.92	2,359.70	2,132.56	15.30	16.89	-34.94	-770.08	-276.66	139.56	116.35	23.21	6.013		
2,500.00	2,290.05	2,455.45	2,198.89	16.50	18.12	-34.92	-834.01	-302.76	146.27	121.57	24.70	5.921		
2,600.00	2,360.76	2,551.03	2,262.76	17.76	19.38	-34.96	-899.84	-329.63	152.92	126.67	26.26	5.824		
2,700.00	2,428.95	2,646.45	2,324.12	19.05	20.67	-35.07	-967.48	-357.25	159.52	131.64	27.88	5.721		
2,800.00	2,494.55	2,741.70	2,382.92	20.39	22.01	-35.22	-1,036.85	-385.57	166.06	136.48	29.58	5.614		
2,900.00	2,557.49	2,836.80	2,439.10	21.78	23.37	-35.42	-1,107.88	-414.57	172.53	141.19	31.34	5.505		
3,000.00	2,619.27	2,935.69	2,495.76	23.18	24.81	-35.57	-1,182.93	-445.21	179.62	146.35	33.27	5.400		
3,100.00	2,681.04	3,035.44	2,552.86	24.60	26.27	-35.70	-1,258.64	-476.12	186.75	151.51	35.24	5.299		
3,200.00	2,742.82	3,135.18	2,609.97	26.02	27.74	-35.83	-1,334.35	-507.03	193.88	156.65	37.23	5.207		
3,300.00	2,804.59	3,234.93	2,667.08	27.44	29.21	-35.94	-1,410.07	-537.94	201.02	161.79	39.23	5.124		
3,400.00	2,866.37	3,334.67	2,724.18	28.87	30.69	-36.05	-1,485.78	-568.85	208.16	166.92	41.24	5.047		
3,500.00	2,928.15	3,434.41	2,781.29	30.30	32.16	-36.14	-1,561.49	-599.76	215.29	172.04	43.26	4.977		
3,600.00	2,989.92	3,534.16	2,838.39	31.73	33.64	-36.24	-1,637.20	-630.67	222.43	177.15	45.28	4.912		
3,700.00	3,051.70	3,633.90	2,895.50	33.17	35.12	-36.32	-1,712.92	-661.58	229.57	182.26	47.31	4.853		
3,800.00	3,113.47	3,733.65	2,952.60	34.61	36.60	-36.41	-1,788.63	-692.49	236.71	187.37	49.34	4.797		
3,900.00	3,175.25	3,833.39	3,009.71	36.05	38.09	-36.48	-1,864.34	-723.40	243.85	192.47	51.38	4.746		
4,000.00	3,237.03	3,933.14	3,066.81	37.49	39.57	-36.55	-1,940.06	-754.31	250.99	197.56	53.43	4.698		
4,100.00	3,298.80	4,032.88	3,123.92	38.93	41.06	-36.62	-2,015.77	-785.22	258.13	202.65	55.47	4.653		
4,200.00	3,360.58	4,132.62	3,181.03	40.37	42.55	-36.69	-2,091.48	-816.13	265.27	207.74	57.52	4.611		
4,300.00	3,422.35	4,232.37	3,238.13	41.82	44.04	-36.75	-2,167.19	-847.04	272.41	212.83	59.58	4.572		
4,400.00	3,484.13	4,332.11	3,295.24	43.27	45.53	-36.81	-2,242.91	-877.95	279.55	217.91	61.64	4.536		
4,500.00	3,545.90	4,431.86	3,352.34	44.72	47.02	-36.86	-2,318.62	-908.86	286.69	223.00	63.69	4.501		
4,600.00	3,607.68	4,531.60	3,409.45	46.16	48.51	-36.91	-2,394.33	-939.77	293.83	228.08	65.76	4.468		
4,700.00	3,669.46	4,631.35	3,466.55	47.61	50.00	-36.96	-2,470.05	-970.68	300.97	233.15	67.82	4.438		
4,800.00	3,731.23	4,731.09	3,523.66	49.06	51.49	-37.01	-2,545.76	-1,001.59	308.12	238.23	69.89	4.409		
4,900.00	3,793.01	4,830.83	3,580.76	50.52	52.98	-37.06	-2,621.47	-1,032.50	315.26	243.30	71.95	4.381		
5,000.00	3,854.78	4,930.58	3,637.87	51.97	54.48	-37.10	-2,697.18	-1,063.41	322.40	248.38	74.02	4.355		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	3,916.56	5,030.32	3,694.97	53.42	55.97	-37.14	-2,772.90	-1,094.32	329.54	253.45	76.10	4.331		
5,200.00	3,978.34	5,130.07	3,752.08	54.87	57.47	-37.18	-2,848.61	-1,125.23	336.69	258.52	78.17	4.307		
5,300.00	4,040.11	5,229.81	3,809.19	56.32	58.96	-37.22	-2,924.32	-1,156.15	343.83	263.59	80.24	4.285		
5,400.00	4,101.89	5,329.56	3,866.29	57.78	60.46	-37.26	-3,000.04	-1,187.06	350.97	268.66	82.32	4.264		
5,500.00	4,163.66	5,429.30	3,923.40	59.23	61.95	-37.29	-3,075.75	-1,217.97	358.12	273.72	84.39	4.243		
5,600.00	4,225.44	5,529.05	3,980.50	60.69	63.45	-37.33	-3,151.46	-1,248.88	365.26	278.79	86.47	4.224		
5,700.00	4,287.21	5,628.79	4,037.61	62.14	64.94	-37.36	-3,227.17	-1,279.79	372.40	283.85	88.55	4.206		
5,800.00	4,348.99	5,728.53	4,094.71	63.60	66.44	-37.39	-3,302.89	-1,310.70	379.55	288.92	90.63	4.188		
5,900.00	4,410.77	5,828.28	4,151.82	65.05	67.94	-37.42	-3,378.60	-1,341.61	386.69	293.98	92.71	4.171		
6,000.00	4,472.54	5,928.02	4,208.92	66.51	69.43	-37.45	-3,454.31	-1,372.52	393.83	299.04	94.79	4.155		
6,100.00	4,534.32	6,027.77	4,266.03	67.96	70.93	-37.48	-3,530.03	-1,403.43	400.98	304.11	96.87	4.139		
6,200.00	4,596.09	6,127.51	4,323.14	69.42	72.43	-37.50	-3,605.74	-1,434.34	408.12	309.17	98.95	4.124		
6,300.00	4,657.87	6,227.26	4,380.24	70.88	73.93	-37.53	-3,681.45	-1,465.25	415.27	314.23	101.04	4.110		
6,400.00	4,719.64	6,327.00	4,437.35	72.33	75.42	-37.56	-3,757.16	-1,496.16	422.41	319.29	103.12	4.096		
6,500.00	4,781.42	6,426.74	4,494.45	73.79	76.92	-37.58	-3,832.88	-1,527.07	429.55	324.35	105.21	4.083		
6,600.00	4,843.20	6,526.49	4,551.56	75.25	78.42	-37.60	-3,908.59	-1,557.98	436.70	329.41	107.29	4.070		
6,700.00	4,904.97	6,626.23	4,608.66	76.71	79.92	-37.63	-3,984.30	-1,588.89	443.84	334.46	109.38	4.058		
6,800.00	4,966.75	6,725.98	4,665.77	78.16	81.42	-37.65	-4,060.01	-1,619.80	450.99	339.52	111.46	4.046		
6,900.00	5,028.52	6,825.72	4,722.87	79.62	82.91	-37.67	-4,135.73	-1,650.71	458.13	344.58	113.55	4.035		
7,000.00	5,090.30	6,925.47	4,779.98	81.08	84.41	-37.69	-4,211.44	-1,681.62	465.28	349.64	115.64	4.024		
7,100.00	5,152.08	7,025.21	4,837.09	82.54	85.91	-37.71	-4,287.15	-1,712.53	472.42	354.69	117.73	4.013		
7,200.00	5,213.85	7,124.95	4,894.19	83.99	87.41	-37.73	-4,362.87	-1,743.44	479.56	359.75	119.81	4.003		
7,300.00	5,275.63	7,224.70	4,951.30	85.45	88.91	-37.75	-4,438.58	-1,774.35	486.71	364.81	121.90	3.993		
7,400.00	5,337.40	7,324.44	5,008.40	86.91	90.41	-37.77	-4,514.29	-1,805.26	493.85	369.86	123.99	3.983		
7,500.00	5,399.18	7,424.19	5,065.51	88.37	91.91	-37.79	-4,590.00	-1,836.17	501.00	374.92	126.08	3.974		
7,600.00	5,460.95	7,523.93	5,122.61	89.83	93.41	-37.80	-4,665.72	-1,867.08	508.14	379.97	128.17	3.965		
7,700.00	5,522.73	7,623.68	5,179.72	91.29	94.91	-37.82	-4,741.43	-1,897.99	515.29	385.03	130.26	3.956		
7,800.00	5,584.51	7,723.42	5,236.82	92.75	96.41	-37.84	-4,817.14	-1,928.90	522.43	390.08	132.35	3.947		
7,900.00	5,646.28	7,823.16	5,293.93	94.20	97.91	-37.85	-4,892.86	-1,959.82	529.58	395.14	134.44	3.939		
8,000.00	5,708.06	7,922.91	5,351.04	95.66	99.41	-37.87	-4,968.57	-1,990.73	536.72	400.19	136.53	3.931		
8,100.00	5,769.83	8,022.65	5,408.14	97.12	100.91	-37.88	-5,044.28	-2,021.64	543.87	405.25	138.62	3.923		
8,200.00	5,831.61	8,122.40	5,465.25	98.58	102.41	-37.90	-5,119.99	-2,052.55	551.01	410.30	140.72	3.916		
8,300.00	5,893.39	8,222.14	5,522.35	100.04	103.91	-37.91	-5,195.71	-2,083.46	558.16	415.35	142.81	3.908		
8,400.00	5,955.16	8,321.89	5,579.46	101.50	105.41	-37.93	-5,271.42	-2,114.37	565.30	420.41	144.90	3.901		
8,500.00	6,016.94	8,421.63	5,636.56	102.96	106.91	-37.94	-5,347.13	-2,145.28	572.45	425.46	146.99	3.894		
8,600.00	6,078.71	8,521.37	5,693.67	104.42	108.41	-37.95	-5,422.85	-2,176.19	579.59	430.51	149.08	3.888		
8,700.00	6,140.49	8,621.12	5,750.77	105.88	109.91	-37.97	-5,498.56	-2,207.10	586.74	435.56	151.18	3.881		
8,800.00	6,202.26	8,720.86	5,807.88	107.34	111.41	-37.98	-5,574.27	-2,238.01	593.88	440.62	153.27	3.875		
8,900.00	6,264.04	8,820.61	5,864.98	108.80	112.91	-37.99	-5,649.98	-2,268.92	601.03	445.67	155.36	3.869		
9,000.00	6,325.82	8,920.35	5,922.09	110.26	114.41	-38.00	-5,725.70	-2,299.83	608.18	450.72	157.46	3.863		
9,100.00	6,387.59	9,020.10	5,979.20	111.72	115.91	-38.02	-5,801.41	-2,330.74	615.32	455.77	159.55	3.857		
9,200.00	6,449.37	9,119.84	6,036.30	113.18	117.41	-38.03	-5,877.12	-2,361.65	622.47	460.82	161.64	3.851		
9,300.00	6,511.14	9,219.58	6,093.41	114.64	118.91	-38.04	-5,952.84	-2,392.56	629.61	465.87	163.74	3.845		
9,400.00	6,572.92	9,319.33	6,150.51	116.10	120.41	-38.05	-6,028.55	-2,423.47	636.76	470.93	165.83	3.840		
9,500.00	6,634.70	9,419.07	6,207.62	117.56	121.91	-38.06	-6,104.26	-2,454.38	643.90	475.98	167.93	3.834		
9,600.00	6,696.47	9,518.82	6,264.72	119.02	123.41	-38.07	-6,179.97	-2,485.29	651.05	481.03	170.02	3.829		
9,700.00	6,758.22	9,618.56	6,321.83	120.48	124.91	-38.84	-6,255.68	-2,516.20	658.23	486.10	172.14	3.824		
9,800.00	6,817.23	9,717.32	6,378.37	122.00	126.40	-45.50	-6,330.65	-2,546.81	669.34	493.05	176.29	3.797		
9,900.00	6,870.40	9,812.26	6,432.72	123.58	127.82	-51.50	-6,402.72	-2,576.23	687.34	503.74	183.59	3.744		
10,000.00	6,916.13	9,900.50	6,483.24	125.16	129.15	-56.40	-6,469.69	-2,603.57	713.25	519.83	193.42	3.688		
10,100.00	6,953.01	9,979.35	6,528.39	126.69	130.34	-59.72	-6,529.55	-2,628.01	748.34	543.55	204.79	3.654		
10,200.00	6,979.94	10,046.43	6,566.79	128.11	131.35	-60.89	-6,580.47	-2,648.80	793.53	576.99	216.54	3.665		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	6,996.09	10,099.68	6,597.28	129.37	132.15	-59.30	-6,620.89	-2,665.30	848.97	621.37	227.60	3.730		
10,400.00	7,001.00	10,137.55	6,618.96	130.45	132.72	-54.93	-6,649.64	-2,677.03	913.80	676.64	237.16	3.853		
10,500.00	7,001.00	10,168.44	6,636.64	131.44	133.18	-57.32	-6,673.08	-2,686.61	984.78	739.87	244.91	4.021		
10,600.00	7,001.00	11,314.93	7,001.00	132.48	148.28	-90.05	-7,155.16	-3,506.58	1,049.52	896.20	153.32	6.845		
10,700.00	7,001.00	11,414.93	7,001.00	133.54	149.19	-90.05	-7,155.00	-3,606.58	1,049.50	892.25	157.24	6.674		
10,800.00	7,001.00	11,514.93	7,001.00	134.64	150.14	-90.05	-7,154.84	-3,706.58	1,049.47	888.22	161.25	6.508		
10,900.00	7,001.00	11,614.93	7,001.00	135.77	151.12	-90.05	-7,154.68	-3,806.58	1,049.45	884.10	165.35	6.347		
11,000.00	7,001.00	11,714.93	7,001.00	136.94	152.12	-90.05	-7,154.51	-3,906.58	1,049.42	879.91	169.52	6.191		
11,100.00	7,001.00	11,814.93	7,001.00	138.14	153.16	-90.05	-7,154.35	-4,006.58	1,049.40	875.64	173.76	6.039		
11,200.00	7,001.00	11,914.93	7,001.00	139.38	154.22	-90.05	-7,154.19	-4,106.58	1,049.37	871.31	178.07	5.893		
11,300.00	7,001.00	12,014.93	7,001.00	140.65	155.32	-90.05	-7,154.03	-4,206.57	1,049.35	866.91	182.44	5.752		
11,400.00	7,001.00	12,114.93	7,001.00	141.95	156.44	-90.05	-7,153.87	-4,306.57	1,049.33	862.46	186.86	5.615		
11,500.00	7,001.00	12,214.93	7,001.00	143.29	157.60	-90.05	-7,153.71	-4,406.57	1,049.30	857.96	191.34	5.484		
11,600.00	7,001.00	12,314.93	7,001.00	144.66	158.79	-90.05	-7,153.55	-4,506.57	1,049.28	853.40	195.87	5.357		
11,700.00	7,001.00	12,414.93	7,001.00	146.06	160.01	-90.05	-7,153.39	-4,606.57	1,049.25	848.80	200.45	5.234		
11,800.00	7,001.00	12,514.93	7,001.00	147.50	161.25	-90.05	-7,153.23	-4,706.57	1,049.23	844.16	205.07	5.116		
11,900.00	7,001.00	12,614.93	7,001.00	148.97	162.53	-90.05	-7,153.07	-4,806.57	1,049.20	839.47	209.73	5.003		
12,000.00	7,001.00	12,714.93	7,001.00	150.47	163.84	-90.05	-7,152.90	-4,906.57	1,049.18	834.75	214.43	4.893		
12,100.00	7,001.00	12,814.93	7,001.00	152.00	165.18	-90.05	-7,152.74	-5,006.57	1,049.16	829.99	219.16	4.787		
12,200.00	7,001.00	12,914.93	7,001.00	153.57	166.55	-90.05	-7,152.58	-5,106.57	1,049.13	825.20	223.93	4.685		
12,300.00	7,001.00	13,014.93	7,001.00	155.16	167.95	-90.05	-7,152.42	-5,206.57	1,049.11	820.38	228.73	4.587		
12,400.00	7,001.00	13,114.93	7,001.00	156.79	169.38	-90.05	-7,152.26	-5,306.57	1,049.08	815.53	233.56	4.492		
12,500.00	7,001.00	13,214.93	7,001.00	158.44	170.83	-90.05	-7,152.10	-5,406.57	1,049.06	810.65	238.41	4.400		
12,600.00	7,001.00	13,314.93	7,001.00	160.13	172.32	-90.05	-7,151.94	-5,506.57	1,049.03	805.74	243.29	4.312		
12,700.00	7,001.00	13,414.93	7,001.00	161.84	173.84	-90.05	-7,151.78	-5,606.57	1,049.01	800.82	248.19	4.227		
12,800.00	7,001.00	13,514.93	7,001.00	163.58	175.38	-90.05	-7,151.62	-5,706.57	1,048.99	795.86	253.12	4.144		
12,900.00	7,001.00	13,614.93	7,001.00	165.35	176.95	-90.05	-7,151.46	-5,806.57	1,048.96	790.89	258.07	4.065		
13,000.00	7,001.00	13,714.93	7,001.00	167.14	178.55	-90.05	-7,151.30	-5,906.57	1,048.94	785.90	263.04	3.988		
13,100.00	7,001.00	13,814.93	7,001.00	168.97	180.18	-90.05	-7,151.13	-6,006.57	1,048.91	780.89	268.03	3.913		
13,200.00	7,001.00	13,914.93	7,001.00	170.81	181.84	-90.05	-7,150.97	-6,106.57	1,048.89	775.85	273.03	3.842		
13,300.00	7,001.00	14,014.93	7,001.00	172.68	183.52	-90.05	-7,150.81	-6,206.57	1,048.86	770.81	278.06	3.772		
13,400.00	7,001.00	14,114.93	7,001.00	174.58	185.22	-90.05	-7,150.65	-6,306.57	1,048.84	765.74	283.10	3.705		
13,500.00	7,001.00	14,214.93	7,001.00	176.50	186.96	-90.05	-7,150.49	-6,406.57	1,048.82	760.66	288.15	3.640		
13,600.00	7,001.00	14,314.93	7,001.00	178.44	188.71	-90.05	-7,150.33	-6,506.57	1,048.79	755.57	293.22	3.577		
13,700.00	7,001.00	14,414.93	7,001.00	180.41	190.50	-90.05	-7,150.17	-6,606.57	1,048.77	750.46	298.30	3.516		
13,800.00	7,001.00	14,514.93	7,001.00	182.39	192.30	-90.05	-7,150.01	-6,706.57	1,048.74	745.34	303.40	3.457		
13,900.00	7,001.00	14,614.93	7,001.00	184.40	194.13	-90.05	-7,149.85	-6,806.57	1,048.72	740.21	308.51	3.399		
14,000.00	7,001.00	14,714.93	7,001.00	186.43	195.98	-90.05	-7,149.69	-6,906.57	1,048.69	735.06	313.63	3.344		
14,100.00	7,001.00	14,814.93	7,001.00	188.48	197.86	-90.05	-7,149.52	-7,006.57	1,048.67	729.91	318.76	3.290		
14,200.00	7,001.00	14,914.93	7,001.00	190.54	199.75	-90.05	-7,149.36	-7,106.57	1,048.65	724.74	323.91	3.238		
14,300.00	7,001.00	15,014.93	7,001.00	192.63	201.67	-90.05	-7,149.20	-7,206.57	1,048.62	719.56	329.06	3.187		
14,400.00	7,001.00	15,114.93	7,001.00	194.73	203.61	-90.05	-7,149.04	-7,306.57	1,048.60	714.38	334.22	3.137		
14,500.00	7,001.00	15,214.93	7,001.00	196.85	205.57	-90.05	-7,148.88	-7,406.57	1,048.57	709.18	339.39	3.090		
14,600.00	7,001.00	15,314.93	7,001.00	198.99	207.55	-90.05	-7,148.72	-7,506.57	1,048.55	703.97	344.57	3.043		
14,700.00	7,001.00	15,414.93	7,001.00	201.14	209.55	-90.05	-7,148.56	-7,606.57	1,048.52	698.76	349.76	2.998		
14,800.00	7,001.00	15,514.93	7,001.00	203.31	211.57	-90.05	-7,148.40	-7,706.57	1,048.50	693.54	354.96	2.954		
14,900.00	7,001.00	15,614.93	7,001.00	205.50	213.60	-90.05	-7,148.24	-7,806.57	1,048.48	688.31	360.17	2.911		
15,000.00	7,001.00	15,714.93	7,001.00	207.70	215.65	-90.05	-7,148.08	-7,906.57	1,048.45	683.07	365.38	2.869		
15,100.00	7,001.00	15,814.93	7,001.00	209.91	217.73	-90.05	-7,147.92	-8,006.57	1,048.43	677.83	370.60	2.829		
15,200.00	7,001.00	15,914.93	7,001.00	212.14	219.81	-90.05	-7,147.75	-8,106.57	1,048.40	672.57	375.83	2.790		
15,300.00	7,001.00	16,014.93	7,001.00	214.38	221.92	-90.05	-7,147.59	-8,206.57	1,048.38	667.32	381.06	2.751		
15,400.00	7,001.00	16,114.93	7,001.00	216.64	224.04	-90.05	-7,147.43	-8,306.57	1,048.35	662.05	386.30	2.714		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	16,214.93	7,001.00	218.90	226.17	-90.05	-7,147.27	-8,406.57	1,048.33	656.78	391.55	2.677		
15,600.00	7,001.00	16,314.93	7,001.00	221.18	228.32	-90.05	-7,147.11	-8,506.57	1,048.31	651.51	396.80	2.642		
15,700.00	7,001.00	16,414.93	7,001.00	223.47	230.49	-90.05	-7,146.95	-8,606.57	1,048.28	646.22	402.06	2.607		
15,800.00	7,001.00	16,514.93	7,001.00	225.78	232.66	-90.05	-7,146.79	-8,706.57	1,048.26	640.94	407.32	2.574		
15,900.00	7,001.00	16,614.93	7,001.00	228.09	234.86	-90.05	-7,146.63	-8,806.57	1,048.23	635.64	412.59	2.541		
16,000.00	7,001.00	16,714.93	7,001.00	230.41	237.06	-90.05	-7,146.47	-8,906.57	1,048.21	630.35	417.86	2.509		
16,100.00	7,001.00	16,814.93	7,001.00	232.75	239.28	-90.05	-7,146.31	-9,006.57	1,048.18	625.05	423.14	2.477		
16,200.00	7,001.00	16,914.93	7,001.00	235.09	241.51	-90.05	-7,146.14	-9,106.57	1,048.16	619.74	428.42	2.447		
16,300.00	7,001.00	17,014.93	7,001.00	237.45	243.75	-90.05	-7,145.98	-9,206.57	1,048.14	614.43	433.71	2.417		
16,400.00	7,001.00	17,114.93	7,001.00	239.81	246.01	-90.05	-7,145.82	-9,306.57	1,048.11	609.11	439.00	2.388		
16,500.00	7,001.00	17,214.93	7,001.00	242.18	248.27	-90.05	-7,145.66	-9,406.57	1,048.09	603.79	444.29	2.359		
16,600.00	7,001.00	17,314.93	7,001.00	244.56	250.55	-90.05	-7,145.50	-9,506.57	1,048.06	598.47	449.59	2.331		
16,700.00	7,001.00	17,414.93	7,001.00	246.95	252.84	-90.05	-7,145.34	-9,606.57	1,048.04	593.14	454.90	2.304		
16,800.00	7,001.00	17,514.93	7,001.00	249.35	255.14	-90.05	-7,145.18	-9,706.57	1,048.01	587.81	460.20	2.277		
16,900.00	7,001.00	17,614.93	7,001.00	251.75	257.45	-90.05	-7,145.02	-9,806.57	1,047.99	582.48	465.51	2.251		
17,000.00	7,001.00	17,714.93	7,001.00	254.17	259.76	-90.05	-7,144.86	-9,906.57	1,047.97	577.14	470.83	2.226		
17,100.00	7,001.00	17,814.93	7,001.00	256.59	262.09	-90.05	-7,144.70	-10,006.57	1,047.94	571.80	476.14	2.201		
17,200.00	7,001.00	17,914.93	7,001.00	259.01	264.43	-90.05	-7,144.53	-10,106.57	1,047.92	566.45	481.46	2.177		
17,300.00	7,001.00	18,014.93	7,001.00	261.45	266.77	-90.05	-7,144.37	-10,206.57	1,047.89	561.11	486.79	2.153		
17,400.00	7,001.00	18,114.93	7,001.00	263.89	269.13	-90.05	-7,144.21	-10,306.57	1,047.87	555.76	492.11	2.129		
17,500.00	7,001.00	18,214.93	7,001.00	266.34	271.49	-90.05	-7,144.05	-10,406.57	1,047.84	550.40	497.44	2.106		
17,600.00	7,001.00	18,314.93	7,001.00	268.79	273.86	-90.05	-7,143.89	-10,506.57	1,047.82	545.05	502.77	2.084		
17,700.00	7,001.00	18,414.93	7,001.00	271.25	276.24	-90.05	-7,143.73	-10,606.57	1,047.80	539.69	508.11	2.062		
17,800.00	7,001.00	18,514.93	7,001.00	273.72	278.63	-90.05	-7,143.57	-10,706.57	1,047.77	534.32	513.45	2.041		
17,900.00	7,001.00	18,614.93	7,001.00	276.19	281.02	-90.05	-7,143.41	-10,806.57	1,047.75	528.96	518.79	2.020		
18,000.00	7,001.00	18,714.93	7,001.00	278.67	283.43	-90.05	-7,143.25	-10,906.57	1,047.72	523.59	524.13	1.999		
18,100.00	7,001.00	18,814.93	7,001.00	281.15	285.84	-90.05	-7,143.09	-11,006.57	1,047.70	518.22	529.47	1.979		
18,200.00	7,001.00	18,914.93	7,001.00	283.64	288.25	-90.05	-7,142.93	-11,106.57	1,047.65	512.83	534.82	1.959		
18,300.00	7,001.00	19,014.90	7,001.00	286.15	290.67	-90.05	-7,142.76	-11,206.54	1,045.46	505.30	540.17	1.935		
18,400.00	7,001.00	19,114.74	7,001.00	288.68	293.10	-90.06	-7,142.60	-11,306.37	1,039.79	494.29	545.50	1.906		
18,500.00	7,001.00	19,214.38	7,001.00	291.24	295.52	-90.06	-7,142.44	-11,406.01	1,031.32	480.50	550.82	1.872		
18,600.00	7,001.00	19,314.00	7,001.00	293.80	297.96	-90.06	-7,142.28	-11,505.63	1,022.61	466.48	556.14	1.839		
18,700.00	7,001.00	19,413.62	7,001.00	296.36	300.39	-90.06	-7,142.12	-11,605.25	1,013.91	452.45	561.46	1.806		
18,800.00	7,001.00	19,513.24	7,001.00	298.93	302.84	-90.06	-7,141.96	-11,704.87	1,005.20	438.42	566.78	1.774		
18,900.00	7,001.00	19,612.86	7,001.00	301.50	305.29	-90.06	-7,141.80	-11,804.49	996.50	424.39	572.11	1.742		
19,000.00	7,001.00	19,712.48	7,001.00	304.07	307.74	-90.06	-7,141.64	-11,904.11	987.79	410.36	577.43	1.711		
19,100.00	7,001.00	19,812.10	7,001.00	306.65	310.20	-90.06	-7,141.48	-12,003.73	979.09	396.33	582.76	1.680		
19,200.00	7,001.00	19,911.72	7,001.00	309.23	312.67	-90.06	-7,141.32	-12,103.35	970.38	382.29	588.09	1.650		
19,300.00	7,001.00	20,011.34	7,001.00	311.81	315.14	-90.06	-7,141.16	-12,202.97	961.67	368.25	593.42	1.621		
19,400.00	7,001.00	20,110.96	7,001.00	314.39	317.61	-90.06	-7,141.00	-12,302.59	952.97	354.21	598.75	1.592		
19,500.00	7,001.00	20,210.58	7,001.00	316.97	320.09	-90.06	-7,140.84	-12,402.21	944.26	340.17	604.09	1.563		
19,600.00	7,001.00	20,310.20	7,001.00	319.56	322.57	-90.06	-7,140.68	-12,501.83	935.56	326.13	609.42	1.535		
19,700.00	7,001.00	20,409.82	7,001.00	322.15	325.06	-90.06	-7,140.52	-12,601.45	926.85	312.09	614.76	1.508		
19,800.00	7,001.00	20,509.44	7,001.00	324.74	327.56	-90.06	-7,140.36	-12,701.07	918.15	298.05	620.10	1.481 Level 3		
19,900.00	7,001.00	20,609.07	7,001.00	327.33	330.05	-90.06	-7,140.20	-12,800.70	909.58	284.14	625.44	1.454 Level 3		
20,000.00	7,001.00	20,708.69	7,001.00	329.92	332.56	-90.06	-7,140.04	-12,900.32	903.59	272.79	630.80	1.432 Level 3		
20,100.00	7,001.00	20,808.31	7,001.00	332.51	335.07	-90.06	-7,139.88	-13,000.48	901.09	264.92	636.17	1.416 Level 3		
20,179.45	7,001.00	20,888.30	7,001.00	334.52	337.07	-90.06	-7,139.75	-13,079.93	900.80	260.35	640.45	1.407 Level 3		
20,200.00	7,001.00	20,908.85	7,001.00	335.04	337.59	-90.06	-7,139.72	-13,100.48	901.17	259.61	641.55	1.405 Level 3		
20,300.00	7,001.00	21,008.85	7,001.00	337.60	340.12	-90.06	-7,139.55	-13,200.48	901.38	254.44	646.94	1.393 Level 3		
20,400.00	7,001.00	21,108.85	7,001.00	340.16	342.64	-90.06	-7,139.39	-13,300.48	901.59	249.27	652.32	1.382 Level 3		
20,500.00	7,001.00	21,208.85	7,001.00	342.72	345.17	-90.06	-7,139.23	-13,400.48	901.80	244.09	657.71	1.371 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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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-20-04 - 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					
20,600.00	7,001.00	21,308.85	7,001.00	345.29	347.71	-90.06	-7,139.07	-13,500.48	902.01	238.91	663.09	1.360	Level 3				
20,700.00	7,001.00	21,408.85	7,001.00	347.86	350.24	-90.06	-7,138.91	-13,600.48	902.22	233.74	668.48	1.350	Level 3				
20,800.00	7,001.00	21,508.85	7,001.00	350.43	352.78	-90.06	-7,138.75	-13,700.48	902.43	228.56	673.87	1.339	Level 3				
20,900.00	7,001.00	21,608.85	7,001.00	353.00	355.33	-90.06	-7,138.59	-13,800.48	902.64	223.38	679.26	1.329	Level 3				
21,000.00	7,001.00	21,708.85	7,001.00	355.58	357.87	-90.06	-7,138.43	-13,900.48	902.85	218.19	684.65	1.319	Level 3				
21,100.00	7,001.00	21,808.85	7,001.00	358.16	360.42	-90.06	-7,138.27	-14,000.48	903.06	213.01	690.05	1.309	Level 3				
21,121.77	7,001.00	21,818.56	7,001.00	358.72	360.67	-90.06	-7,138.25	-14,010.19	903.18	209.75	693.44	1.302	Level 3, SF				

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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
Sec 3-T6N-R67W - ABND VERT BOWER 1-3 - Wellbore #1 - Design #1													
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
2,900.00	2,557.49	2,588.49	2,588.49	21.78	51.69	50.67	-5,644.26	-9,354.11	10,025.81	9,958.33	67.48	148.584	
3,000.00	2,619.27	2,650.27	2,650.27	23.18	52.93	50.95	-5,644.26	-9,354.11	9,963.13	9,893.49	69.64	143.059	
3,100.00	2,681.04	2,712.04	2,712.04	24.60	54.18	51.23	-5,644.26	-9,354.11	9,900.68	9,828.86	71.83	137.835	
3,200.00	2,742.82	2,773.82	2,773.82	26.02	55.42	51.51	-5,644.26	-9,354.11	9,838.47	9,764.44	74.03	132.893	
3,300.00	2,804.59	2,835.59	2,835.59	27.44	56.66	51.79	-5,644.26	-9,354.11	9,776.49	9,700.24	76.25	128.211	
3,400.00	2,866.37	2,897.37	2,897.37	28.87	57.90	52.08	-5,644.26	-9,354.11	9,714.75	9,636.27	78.49	123.772	
3,500.00	2,928.15	2,959.15	2,959.15	30.30	59.15	52.37	-5,644.26	-9,354.11	9,653.26	9,572.52	80.74	119.560	
3,600.00	2,989.92	3,020.92	3,020.92	31.73	60.39	52.66	-5,644.26	-9,354.11	9,592.02	9,509.02	83.01	115.557	
3,700.00	3,051.70	3,082.70	3,082.70	33.17	61.63	52.95	-5,644.26	-9,354.11	9,531.04	9,445.75	85.29	111.752	
3,800.00	3,113.47	3,144.47	3,144.47	34.61	62.87	53.25	-5,644.26	-9,354.11	9,470.31	9,382.73	87.58	108.129	
3,900.00	3,175.25	3,206.25	3,206.25	36.05	64.12	53.54	-5,644.26	-9,354.11	9,409.85	9,319.96	89.89	104.678	
4,000.00	3,237.03	3,268.03	3,268.03	37.49	65.36	53.84	-5,644.26	-9,354.11	9,349.66	9,257.44	92.22	101.388	
4,100.00	3,298.80	3,329.80	3,329.80	38.93	66.60	54.14	-5,644.26	-9,354.11	9,289.75	9,195.19	94.55	98.247	
4,200.00	3,360.58	3,391.58	3,391.58	40.37	67.84	54.45	-5,644.26	-9,354.11	9,230.11	9,133.21	96.91	95.247	
4,300.00	3,422.35	3,453.35	3,453.35	41.82	69.09	54.76	-5,644.26	-9,354.11	9,170.77	9,071.49	99.27	92.379	
4,400.00	3,484.13	3,515.13	3,515.13	43.27	70.33	55.06	-5,644.26	-9,354.11	9,111.71	9,010.06	101.65	89.636	
4,500.00	3,545.90	3,576.90	3,576.90	44.72	71.57	55.38	-5,644.26	-9,354.11	9,052.96	8,948.91	104.05	87.009	
4,600.00	3,607.68	3,638.68	3,638.68	46.16	72.81	55.69	-5,644.26	-9,354.11	8,994.50	8,888.05	106.45	84.492	
4,700.00	3,669.46	3,700.46	3,700.46	47.61	74.06	56.00	-5,644.26	-9,354.11	8,936.36	8,827.48	108.88	82.079	
4,800.00	3,731.23	3,762.23	3,762.23	49.06	75.30	56.32	-5,644.26	-9,354.11	8,878.53	8,767.22	111.31	79.764	
4,900.00	3,793.01	3,824.01	3,824.01	50.52	76.54	56.64	-5,644.26	-9,354.11	8,821.03	8,707.27	113.76	77.541	
5,000.00	3,854.78	3,885.78	3,885.78	51.97	77.78	56.97	-5,644.26	-9,354.11	8,763.85	8,647.63	116.22	75.405	
5,100.00	3,916.56	3,947.56	3,947.56	53.42	79.03	57.29	-5,644.26	-9,354.11	8,707.01	8,588.31	118.70	73.353	
5,200.00	3,978.34	4,009.34	4,009.34	54.87	80.27	57.62	-5,644.26	-9,354.11	8,650.50	8,529.31	121.19	71.379	
5,300.00	4,040.11	4,071.11	4,071.11	56.32	81.51	57.95	-5,644.26	-9,354.11	8,594.35	8,470.65	123.70	69.479	
5,400.00	4,101.89	4,132.89	4,132.89	57.78	82.75	58.28	-5,644.26	-9,354.11	8,538.55	8,412.34	126.22	67.650	
5,500.00	4,163.66	4,194.66	4,194.66	59.23	84.00	58.62	-5,644.26	-9,354.11	8,483.12	8,354.37	128.75	65.887	
5,600.00	4,225.44	4,256.44	4,256.44	60.69	85.24	58.95	-5,644.26	-9,354.11	8,428.05	8,296.75	131.30	64.189	
5,700.00	4,287.21	4,318.21	4,318.21	62.14	86.48	59.29	-5,644.26	-9,354.11	8,373.36	8,239.50	133.86	62.552	
5,800.00	4,348.99	4,379.99	4,379.99	63.60	87.72	59.64	-5,644.26	-9,354.11	8,319.05	8,182.61	136.44	60.972	
5,900.00	4,410.77	4,441.77	4,441.77	65.05	88.97	59.98	-5,644.26	-9,354.11	8,265.14	8,126.10	139.03	59.448	
6,000.00	4,472.54	4,503.54	4,503.54	66.51	90.21	60.33	-5,644.26	-9,354.11	8,211.62	8,069.98	141.64	57.976	
6,100.00	4,534.32	4,565.32	4,565.32	67.96	91.45	60.68	-5,644.26	-9,354.11	8,158.51	8,014.25	144.26	56.554	
6,200.00	4,596.09	4,627.09	4,627.09	69.42	92.69	61.03	-5,644.26	-9,354.11	8,105.81	7,958.92	146.89	55.181	
6,300.00	4,657.87	4,688.87	4,688.87	70.88	93.93	61.38	-5,644.26	-9,354.11	8,053.54	7,904.00	149.55	53.854	
6,400.00	4,719.64	4,750.64	4,750.64	72.33	95.18	61.74	-5,644.26	-9,354.11	8,001.70	7,849.49	152.21	52.570	
6,500.00	4,781.42	4,812.42	4,812.42	73.79	96.42	62.10	-5,644.26	-9,354.11	7,950.30	7,795.41	154.89	51.329	
6,600.00	4,843.20	4,874.20	4,874.20	75.25	97.66	62.46	-5,644.26	-9,354.11	7,899.35	7,741.77	157.58	50.128	
6,700.00	4,904.97	4,935.97	4,935.97	76.71	98.90	62.82	-5,644.26	-9,354.11	7,848.85	7,688.56	160.29	48.966	
6,800.00	4,966.75	4,997.75	4,997.75	78.16	100.15	63.19	-5,644.26	-9,354.11	7,798.82	7,635.81	163.02	47.841	
6,900.00	5,028.52	5,059.52	5,059.52	79.62	101.39	63.56	-5,644.26	-9,354.11	7,749.27	7,583.52	165.75	46.752	
7,000.00	5,090.30	5,121.30	5,121.30	81.08	102.63	63.93	-5,644.26	-9,354.11	7,700.20	7,531.70	168.51	45.697	
7,100.00	5,152.08	5,183.08	5,183.08	82.54	103.87	64.30	-5,644.26	-9,354.11	7,651.62	7,480.35	171.27	44.675	
7,200.00	5,213.85	5,244.85	5,244.85	83.99	105.12	64.68	-5,644.26	-9,354.11	7,603.55	7,429.50	174.05	43.685	
7,300.00	5,275.63	5,306.63	5,306.63	85.45	106.36	65.05	-5,644.26	-9,354.11	7,555.99	7,379.14	176.85	42.726	
7,400.00	5,337.40	5,368.40	5,368.40	86.91	107.60	65.43	-5,644.26	-9,354.11	7,508.95	7,329.29	179.66	41.796	
7,500.00	5,399.18	5,430.18	5,430.18	88.37	108.84	65.82	-5,644.26	-9,354.11	7,462.44	7,279.96	182.48	40.894	
7,600.00	5,460.95	5,491.95	5,491.95	89.83	110.09	66.20	-5,644.26	-9,354.11	7,416.48	7,231.16	185.32	40.020	
7,700.00	5,522.73	5,553.73	5,553.73	91.29	111.33	66.59	-5,644.26	-9,354.11	7,371.07	7,182.90	188.17	39.172	
7,800.00	5,584.51	5,615.51	5,615.51	92.75	112.57	66.98	-5,644.26	-9,354.11	7,326.22	7,135.18	191.04	38.350	
7,900.00	5,646.28	5,677.28	5,677.28	94.20	113.81	67.37	-5,644.26	-9,354.11	7,281.94	7,088.03	193.91	37.553	
8,000.00	5,708.06	5,739.06	5,739.06	95.66	115.05	67.76	-5,644.26	-9,354.11	7,238.25	7,041.44	196.80	36.779	

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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 - ABND VERT BOWER 1-3 - Wellbore #1 - Design #1													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		
8,100.00	5,769.83	5,800.83	5,800.83	97.12	116.30	68.16	-5,644.26	-9,354.11	7,195.15	6,995.44	199.71	36.028		
8,200.00	5,831.61	5,862.61	5,862.61	98.58	117.54	68.56	-5,644.26	-9,354.11	7,152.65	6,950.03	202.63	35.300		
8,300.00	5,893.39	5,924.39	5,924.39	100.04	118.78	68.96	-5,644.26	-9,354.11	7,110.78	6,905.22	205.55	34.593		
8,400.00	5,955.16	5,986.16	5,986.16	101.50	120.02	69.36	-5,644.26	-9,354.11	7,069.52	6,861.03	208.50	33.907		
8,500.00	6,016.94	6,047.94	6,047.94	102.96	121.27	69.77	-5,644.26	-9,354.11	7,028.91	6,817.46	211.45	33.242		
8,600.00	6,078.71	6,109.71	6,109.71	104.42	122.51	70.17	-5,644.26	-9,354.11	6,988.95	6,774.53	214.41	32.596		
8,700.00	6,140.49	6,171.49	6,171.49	105.88	123.75	70.58	-5,644.26	-9,354.11	6,949.64	6,732.25	217.39	31.969		
8,800.00	6,202.26	6,233.26	6,233.26	107.34	124.99	70.99	-5,644.26	-9,354.11	6,911.01	6,690.63	220.37	31.360		
8,900.00	6,264.04	6,295.04	6,295.04	108.80	126.24	71.41	-5,644.26	-9,354.11	6,873.05	6,649.69	223.37	30.770		
9,000.00	6,325.82	6,356.82	6,356.82	110.26	127.48	71.82	-5,644.26	-9,354.11	6,835.80	6,609.42	226.37	30.197		
9,100.00	6,387.59	6,418.59	6,418.59	111.72	128.72	72.24	-5,644.26	-9,354.11	6,799.25	6,569.86	229.39	29.641		
9,200.00	6,449.37	6,480.37	6,480.37	113.18	129.96	72.66	-5,644.26	-9,354.11	6,763.41	6,531.00	232.41	29.101		
9,300.00	6,511.14	6,542.14	6,542.14	114.64	131.20	73.08	-5,644.26	-9,354.11	6,728.30	6,492.86	235.44	28.577		
9,400.00	6,572.92	6,603.92	6,603.92	116.10	132.45	73.50	-5,644.26	-9,354.11	6,693.94	6,455.46	238.48	28.069		
9,500.00	6,634.70	6,665.70	6,665.70	117.56	133.69	73.93	-5,644.26	-9,354.11	6,660.32	6,418.80	241.52	27.576		
9,600.00	6,696.47	6,727.47	6,727.47	119.02	134.93	74.35	-5,644.26	-9,354.11	6,627.47	6,382.89	244.57	27.098		
9,700.00	6,758.22	6,789.22	6,789.22	120.48	136.17	73.96	-5,644.26	-9,354.11	6,595.28	6,347.65	247.63	26.634		
9,800.00	6,817.23	6,848.23	6,848.23	122.00	137.36	67.65	-5,644.26	-9,354.11	6,554.10	6,303.50	250.61	26.153		
9,900.00	6,870.40	6,901.40	6,901.40	123.58	138.43	62.70	-5,644.26	-9,354.11	6,498.39	6,245.02	253.37	25.648		
10,000.00	6,916.13	6,947.13	6,947.13	125.16	139.35	59.20	-5,644.26	-9,354.11	6,429.66	6,173.83	255.82	25.133		
10,100.00	6,953.01	6,984.01	6,984.01	126.69	140.09	57.29	-5,644.26	-9,354.11	6,349.77	6,091.89	257.88	24.623		
10,200.00	6,979.94	7,010.94	7,010.94	128.11	140.63	57.43	-5,644.26	-9,354.11	6,260.96	6,001.49	259.47	24.130		
10,300.00	6,996.09	7,027.09	7,027.09	129.37	140.96	61.89	-5,644.26	-9,354.11	6,165.72	5,905.21	260.52	23.667		
10,400.00	7,001.00	7,032.00	7,032.00	130.45	141.06	90.00	-5,644.26	-9,354.11	6,066.81	5,805.83	260.99	23.246		
10,500.00	7,001.00	7,032.00	7,032.00	131.44	141.06	90.00	-5,644.26	-9,354.11	5,967.10	5,705.89	261.21	22.844		
10,600.00	7,001.00	7,032.00	7,032.00	132.48	141.06	90.00	-5,644.26	-9,354.11	5,867.39	5,605.96	261.43	22.443		
10,700.00	7,001.00	7,032.00	7,032.00	133.54	141.06	90.00	-5,644.26	-9,354.11	5,767.70	5,506.03	261.66	22.042		
10,800.00	7,001.00	7,032.00	7,032.00	134.64	141.06	90.00	-5,644.26	-9,354.11	5,668.01	5,406.11	261.90	21.642		
10,900.00	7,001.00	7,032.00	7,032.00	135.77	141.06	90.00	-5,644.26	-9,354.11	5,568.34	5,306.18	262.15	21.241		
11,000.00	7,001.00	7,032.00	7,032.00	136.94	141.06	90.00	-5,644.26	-9,354.11	5,468.68	5,206.26	262.41	20.840		
11,100.00	7,001.00	7,032.00	7,032.00	138.14	141.06	90.00	-5,644.26	-9,354.11	5,369.03	5,106.35	262.68	20.439		
11,200.00	7,001.00	7,032.00	7,032.00	139.38	141.06	90.00	-5,644.26	-9,354.11	5,269.39	5,006.43	262.96	20.039		
11,300.00	7,001.00	7,032.00	7,032.00	140.65	141.06	90.00	-5,644.26	-9,354.11	5,169.77	4,906.52	263.25	19.638		
11,400.00	7,001.00	7,032.00	7,032.00	141.95	141.06	90.00	-5,644.26	-9,354.11	5,070.16	4,806.61	263.55	19.238		
11,500.00	7,001.00	7,032.00	7,032.00	143.29	141.06	90.00	-5,644.26	-9,354.11	4,970.57	4,706.71	263.86	18.838		
11,600.00	7,001.00	7,032.00	7,032.00	144.66	141.06	90.00	-5,644.26	-9,354.11	4,871.00	4,606.81	264.18	18.438		
11,700.00	7,001.00	7,032.00	7,032.00	146.06	141.06	90.00	-5,644.26	-9,354.11	4,771.44	4,506.92	264.52	18.038		
11,800.00	7,001.00	7,032.00	7,032.00	147.50	141.06	90.00	-5,644.26	-9,354.11	4,671.90	4,407.03	264.87	17.638		
11,900.00	7,001.00	7,032.00	7,032.00	148.97	141.06	90.00	-5,644.26	-9,354.11	4,572.38	4,307.14	265.24	17.239		
12,000.00	7,001.00	7,032.00	7,032.00	150.47	141.06	90.00	-5,644.26	-9,354.11	4,472.89	4,207.26	265.62	16.839		
12,100.00	7,001.00	7,032.00	7,032.00	152.00	141.06	90.00	-5,644.26	-9,354.11	4,373.41	4,107.39	266.02	16.440		
12,200.00	7,001.00	7,032.00	7,032.00	153.57	141.06	90.00	-5,644.26	-9,354.11	4,273.96	4,007.52	266.44	16.041		
12,300.00	7,001.00	7,032.00	7,032.00	155.16	141.06	90.00	-5,644.26	-9,354.11	4,174.54	3,907.66	266.88	15.642		
12,400.00	7,001.00	7,032.00	7,032.00	156.79	141.06	90.00	-5,644.26	-9,354.11	4,075.15	3,807.81	267.34	15.243		
12,500.00	7,001.00	7,032.00	7,032.00	158.44	141.06	90.00	-5,644.26	-9,354.11	3,975.79	3,707.96	267.82	14.845		
12,600.00	7,001.00	7,032.00	7,032.00	160.13	141.06	90.00	-5,644.26	-9,354.11	3,876.45	3,608.13	268.33	14.447		
12,700.00	7,001.00	7,032.00	7,032.00	161.84	141.06	90.00	-5,644.26	-9,354.11	3,777.16	3,508.30	268.86	14.049		
12,800.00	7,001.00	7,032.00	7,032.00	163.58	141.06	90.00	-5,644.26	-9,354.11	3,677.90	3,408.48	269.42	13.651		
12,900.00	7,001.00	7,032.00	7,032.00	165.35	141.06	90.00	-5,644.26	-9,354.11	3,578.69	3,308.67	270.01	13.254		
13,000.00	7,001.00	7,032.00	7,032.00	167.14	141.06	90.00	-5,644.26	-9,354.11	3,479.51	3,208.88	270.64	12.857		
13,100.00	7,001.00	7,032.00	7,032.00	168.97	141.06	90.00	-5,644.26	-9,354.11	3,380.39	3,109.10	271.30	12.460		
13,200.00	7,001.00	7,032.00	7,032.00	170.81	141.06	90.00	-5,644.26	-9,354.11	3,281.32	3,009.33	271.99	12.064		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
13,300.00	7,001.00	7,032.00	7,032.00	172.68	141.06	90.00	-5,644.26	-9,354.11	3,182.31	2,909.58	272.74	11.668		
13,400.00	7,001.00	7,032.00	7,032.00	174.58	141.06	90.00	-5,644.26	-9,354.11	3,083.36	2,809.84	273.52	11.273		
13,500.00	7,001.00	7,032.00	7,032.00	176.50	141.06	90.00	-5,644.26	-9,354.11	2,984.49	2,710.13	274.36	10.878		
13,600.00	7,001.00	7,032.00	7,032.00	178.44	141.06	90.00	-5,644.26	-9,354.11	2,885.69	2,610.43	275.26	10.484		
13,700.00	7,001.00	7,032.00	7,032.00	180.41	141.06	90.00	-5,644.26	-9,354.11	2,786.97	2,510.76	276.21	10.090		
13,800.00	7,001.00	7,032.00	7,032.00	182.39	141.06	90.00	-5,644.26	-9,354.11	2,688.36	2,411.12	277.24	9.697		
13,900.00	7,001.00	7,032.00	7,032.00	184.40	141.06	90.00	-5,644.26	-9,354.11	2,589.84	2,311.51	278.34	9.305		
14,000.00	7,001.00	7,032.00	7,032.00	186.43	141.06	90.00	-5,644.26	-9,354.11	2,491.45	2,211.93	279.52	8.913		
14,100.00	7,001.00	7,032.00	7,032.00	188.48	141.06	90.00	-5,644.26	-9,354.11	2,393.19	2,112.39	280.80	8.523		
14,200.00	7,001.00	7,032.00	7,032.00	190.54	141.06	90.00	-5,644.26	-9,354.11	2,295.08	2,012.89	282.18	8.133		
14,300.00	7,001.00	7,032.00	7,032.00	192.63	141.06	90.00	-5,644.26	-9,354.11	2,197.14	1,913.45	283.69	7.745		
14,400.00	7,001.00	7,032.00	7,032.00	194.73	141.06	90.00	-5,644.26	-9,354.11	2,099.39	1,814.07	285.32	7.358		
14,500.00	7,001.00	7,032.00	7,032.00	196.85	141.06	90.00	-5,644.26	-9,354.11	2,001.87	1,714.76	287.11	6.972		
14,600.00	7,001.00	7,032.00	7,032.00	198.99	141.06	90.00	-5,644.26	-9,354.11	1,904.60	1,615.53	289.07	6.589		
14,700.00	7,001.00	7,032.00	7,032.00	201.14	141.06	90.00	-5,644.26	-9,354.11	1,807.63	1,516.40	291.23	6.207		
14,800.00	7,001.00	7,032.00	7,032.00	203.31	141.06	90.00	-5,644.26	-9,354.11	1,711.01	1,417.40	293.61	5.827		
14,900.00	7,001.00	7,032.00	7,032.00	205.50	141.06	90.00	-5,644.26	-9,354.11	1,614.80	1,318.54	296.26	5.451		
15,000.00	7,001.00	7,032.00	7,032.00	207.70	141.06	90.00	-5,644.26	-9,354.11	1,519.09	1,219.87	299.22	5.077		
15,100.00	7,001.00	7,032.00	7,032.00	209.91	141.06	90.00	-5,644.26	-9,354.11	1,423.96	1,121.43	302.53	4.707		
15,200.00	7,001.00	7,032.00	7,032.00	212.14	141.06	90.00	-5,644.26	-9,354.11	1,329.54	1,023.29	306.25	4.341		
15,300.00	7,001.00	7,032.00	7,032.00	214.38	141.06	90.00	-5,644.26	-9,354.11	1,236.01	925.54	310.46	3.981		
15,400.00	7,001.00	7,032.00	7,032.00	216.64	141.06	90.00	-5,644.26	-9,354.11	1,143.57	828.32	315.25	3.628		
15,500.00	7,001.00	7,032.00	7,032.00	218.90	141.06	90.00	-5,644.26	-9,354.11	1,052.51	731.81	320.70	3.282		
15,600.00	7,001.00	7,032.00	7,032.00	221.18	141.06	90.00	-5,644.26	-9,354.11	963.23	636.30	326.92	2.946		
15,700.00	7,001.00	7,032.00	7,032.00	223.47	141.06	90.00	-5,644.26	-9,354.11	876.26	542.25	334.01	2.623		
15,800.00	7,001.00	7,032.00	7,032.00	225.78	141.06	90.00	-5,644.26	-9,354.11	792.38	450.37	342.01	2.317		
15,900.00	7,001.00	7,032.00	7,032.00	228.09	141.06	90.00	-5,644.26	-9,354.11	712.67	361.81	350.85	2.031		
16,000.00	7,001.00	7,032.00	7,032.00	230.41	141.06	90.00	-5,644.26	-9,354.11	638.69	278.50	360.19	1.773		
16,100.00	7,001.00	7,032.00	7,032.00	232.75	141.06	90.00	-5,644.26	-9,354.11	572.67	203.56	369.11	1.551		
16,200.00	7,001.00	7,032.00	7,032.00	235.09	141.06	90.00	-5,644.26	-9,354.11	517.67	141.94	375.73	1.378	Level 3	
16,300.00	7,001.00	7,032.00	7,032.00	237.45	141.06	90.00	-5,644.26	-9,354.11	477.51	100.50	377.01	1.267	Level 3	
16,400.00	7,001.00	7,032.00	7,032.00	239.81	141.06	90.00	-5,644.26	-9,354.11	456.12	86.54	369.58	1.234	Level 2, ES, SF	
16,449.80	7,001.00	7,032.00	7,032.00	240.99	141.06	90.00	-5,644.26	-9,354.11	453.39	91.31	362.08	1.252	Level 3, CC	
16,500.00	7,001.00	7,032.00	7,032.00	242.18	141.06	90.00	-5,644.26	-9,354.11	456.15	104.02	352.13	1.295	Level 3	
16,600.00	7,001.00	7,032.00	7,032.00	244.56	141.06	90.00	-5,644.26	-9,354.11	477.60	150.32	327.28	1.459	Level 3	
16,700.00	7,001.00	7,032.00	7,032.00	246.95	141.06	90.00	-5,644.26	-9,354.11	517.82	217.68	300.14	1.725		
16,800.00	7,001.00	7,032.00	7,032.00	249.35	141.06	90.00	-5,644.26	-9,354.11	572.86	297.75	275.11	2.082		
16,900.00	7,001.00	7,032.00	7,032.00	251.75	141.06	90.00	-5,644.26	-9,354.11	638.90	384.50	254.40	2.511		
17,000.00	7,001.00	7,032.00	7,032.00	254.17	141.06	90.00	-5,644.26	-9,354.11	712.90	474.39	238.51	2.989		
17,100.00	7,001.00	7,032.00	7,032.00	256.59	141.06	90.00	-5,644.26	-9,354.11	792.63	565.57	227.05	3.491		
17,200.00	7,001.00	7,032.00	7,032.00	259.01	141.06	90.00	-5,644.26	-9,354.11	876.52	657.23	219.29	3.997		
17,300.00	7,001.00	7,032.00	7,032.00	261.45	141.06	90.00	-5,644.26	-9,354.11	963.49	749.07	214.42	4.494		
17,400.00	7,001.00	7,032.00	7,032.00	263.89	141.06	90.00	-5,644.26	-9,354.11	1,052.78	841.11	211.67	4.974		
17,500.00	7,001.00	7,032.00	7,032.00	266.34	141.06	90.00	-5,644.26	-9,354.11	1,143.84	933.42	210.42	5.436		
17,600.00	7,001.00	7,032.00	7,032.00	268.79	141.06	90.00	-5,644.26	-9,354.11	1,236.29	1,026.11	210.18	5.882		
17,700.00	7,001.00	7,032.00	7,032.00	271.25	141.06	90.00	-5,644.26	-9,354.11	1,329.83	1,119.25	210.58	6.315		
17,800.00	7,001.00	7,032.00	7,032.00	273.72	141.06	90.00	-5,644.26	-9,354.11	1,424.24	1,212.87	211.38	6.738		
17,900.00	7,001.00	7,032.00	7,032.00	276.19	141.06	90.00	-5,644.26	-9,354.11	1,519.37	1,306.96	212.41	7.153		
18,000.00	7,001.00	7,032.00	7,032.00	278.67	141.06	90.00	-5,644.26	-9,354.11	1,615.09	1,401.52	213.57	7.562		
18,100.00	7,001.00	7,032.00	7,032.00	281.15	141.06	90.00	-5,644.26	-9,354.11	1,711.30	1,496.52	214.78	7.968		
18,200.00	7,001.00	7,032.00	7,032.00	283.64	141.06	90.00	-5,644.26	-9,354.11	1,807.93	1,591.93	216.00	8.370		
18,300.00	7,001.00	7,032.00	7,032.00	286.15	141.06	90.00	-5,644.26	-9,354.11	1,905.39	1,688.28	217.10	8.776		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	
18,400.00	7,001.00	7,032.00	7,032.00	288.68	141.06	90.00	-5,644.26	-9,354.11	2,003.76	1,785.76	218.00	9.192	
18,500.00	7,001.00	7,032.00	7,032.00	291.24	141.06	90.00	-5,644.26	-9,354.11	2,102.72	1,884.00	218.72	9.614	
18,600.00	7,001.00	7,032.00	7,032.00	293.80	141.06	90.00	-5,644.26	-9,354.11	2,201.81	1,982.42	219.39	10.036	
18,700.00	7,001.00	7,032.00	7,032.00	296.36	141.06	90.00	-5,644.26	-9,354.11	2,300.98	2,080.96	220.02	10.458	
18,800.00	7,001.00	7,032.00	7,032.00	298.93	141.06	90.00	-5,644.26	-9,354.11	2,400.21	2,179.60	220.62	10.880	
18,900.00	7,001.00	7,032.00	7,032.00	301.50	141.06	90.00	-5,644.26	-9,354.11	2,499.51	2,278.33	221.18	11.301	
19,000.00	7,001.00	7,032.00	7,032.00	304.07	141.06	90.00	-5,644.26	-9,354.11	2,598.86	2,377.15	221.71	11.722	
19,100.00	7,001.00	7,032.00	7,032.00	306.65	141.06	90.00	-5,644.26	-9,354.11	2,698.26	2,476.05	222.21	12.143	
19,200.00	7,001.00	7,032.00	7,032.00	309.23	141.06	90.00	-5,644.26	-9,354.11	2,797.70	2,575.01	222.69	12.563	
19,300.00	7,001.00	7,032.00	7,032.00	311.81	141.06	90.00	-5,644.26	-9,354.11	2,897.18	2,674.04	223.14	12.984	
19,400.00	7,001.00	7,032.00	7,032.00	314.39	141.06	90.00	-5,644.26	-9,354.11	2,996.70	2,773.13	223.57	13.404	
19,500.00	7,001.00	7,032.00	7,032.00	316.97	141.06	90.00	-5,644.26	-9,354.11	3,096.24	2,872.27	223.97	13.824	
19,600.00	7,001.00	7,032.00	7,032.00	319.56	141.06	90.00	-5,644.26	-9,354.11	3,195.82	2,971.46	224.36	14.244	
19,700.00	7,001.00	7,032.00	7,032.00	322.15	141.06	90.00	-5,644.26	-9,354.11	3,295.42	3,070.69	224.73	14.664	
19,800.00	7,001.00	7,032.00	7,032.00	324.74	141.06	90.00	-5,644.26	-9,354.11	3,395.04	3,169.96	225.08	15.083	
19,900.00	7,001.00	7,032.00	7,032.00	327.33	141.06	90.00	-5,644.26	-9,354.11	3,494.67	3,269.25	225.43	15.502	
20,000.00	7,001.00	7,032.00	7,032.00	329.92	141.06	90.00	-5,644.26	-9,354.11	3,594.08	3,368.23	225.84	15.914	
20,100.00	7,001.00	7,032.00	7,032.00	332.49	141.06	90.00	-5,644.26	-9,354.11	3,693.09	3,466.73	226.36	16.315	
20,200.00	7,001.00	7,032.00	7,032.00	335.04	141.06	90.00	-5,644.26	-9,354.11	3,791.78	3,564.84	226.95	16.708	
20,300.00	7,001.00	7,032.00	7,032.00	337.60	141.06	90.00	-5,644.26	-9,354.11	3,890.52	3,663.01	227.51	17.100	
20,400.00	7,001.00	7,032.00	7,032.00	340.16	141.06	90.00	-5,644.26	-9,354.11	3,989.32	3,761.26	228.06	17.492	
20,500.00	7,001.00	7,032.00	7,032.00	342.72	141.06	90.00	-5,644.26	-9,354.11	4,088.18	3,859.60	228.59	17.885	
20,600.00	7,001.00	7,032.00	7,032.00	345.29	141.06	90.00	-5,644.26	-9,354.11	4,187.10	3,958.00	229.09	18.277	
20,700.00	7,001.00	7,032.00	7,032.00	347.86	141.06	90.00	-5,644.26	-9,354.11	4,286.06	4,056.48	229.58	18.669	
20,800.00	7,001.00	7,032.00	7,032.00	350.43	141.06	90.00	-5,644.26	-9,354.11	4,385.07	4,155.02	230.05	19.061	
20,900.00	7,001.00	7,032.00	7,032.00	353.00	141.06	90.00	-5,644.26	-9,354.11	4,484.13	4,253.62	230.51	19.453	
21,000.00	7,001.00	7,032.00	7,032.00	355.58	141.06	90.00	-5,644.26	-9,354.11	4,583.22	4,352.27	230.95	19.845	
21,100.00	7,001.00	7,032.00	7,032.00	358.16	141.06	90.00	-5,644.26	-9,354.11	4,682.36	4,450.98	231.37	20.237	
21,121.77	7,001.00	7,032.00	7,032.00	358.72	141.06	90.00	-5,644.26	-9,354.11	4,703.95	4,472.48	231.46	20.323	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
2,100.00	1,983.88	1,955.88	1,955.88	11.98	6.81	29.01	-6,967.23	-7,816.97	9,969.66	9,954.20	15.46	644.730		
2,200.00	2,063.74	2,035.74	2,035.74	13.04	7.10	29.82	-6,967.23	-7,816.97	9,914.79	9,898.47	16.31	607.815		
2,300.00	2,141.45	2,113.45	2,113.45	14.14	7.38	30.69	-6,967.23	-7,816.97	9,857.47	9,840.30	17.17	574.084		
2,400.00	2,216.92	2,188.92	2,188.92	15.30	7.65	31.65	-6,967.23	-7,816.97	9,797.79	9,779.75	18.04	543.148		
2,500.00	2,290.05	2,262.05	2,262.05	16.50	7.91	32.69	-6,967.23	-7,816.97	9,735.83	9,716.91	18.92	514.678		
2,600.00	2,360.76	2,332.76	2,332.76	17.76	8.17	33.82	-6,967.23	-7,816.97	9,671.68	9,651.87	19.80	488.397		
2,700.00	2,428.95	2,400.95	2,400.95	19.05	8.41	35.04	-6,967.23	-7,816.97	9,605.42	9,584.72	20.70	464.066		
2,800.00	2,494.55	2,466.55	2,466.55	20.39	8.64	36.37	-6,967.23	-7,816.97	9,537.16	9,515.56	21.60	441.482		
2,900.00	2,557.49	2,529.49	2,529.49	21.78	8.87	37.71	-6,967.23	-7,816.97	9,466.98	9,444.47	22.52	420.426		
3,000.00	2,619.27	2,591.27	2,591.27	23.18	9.09	37.97	-6,967.23	-7,816.97	9,396.09	9,372.65	23.44	400.892		
3,100.00	2,681.04	2,653.04	2,653.04	24.60	9.31	38.23	-6,967.23	-7,816.97	9,325.32	9,300.94	24.37	382.591		
3,200.00	2,742.82	2,714.82	2,714.82	26.02	9.53	38.49	-6,967.23	-7,816.97	9,254.67	9,229.35	25.33	365.433		
3,300.00	2,804.59	2,776.59	2,776.59	27.44	9.76	38.76	-6,967.23	-7,816.97	9,184.16	9,157.87	26.29	349.329		
3,400.00	2,866.37	2,838.37	2,838.37	28.87	9.98	39.03	-6,967.23	-7,816.97	9,113.77	9,086.50	27.27	334.199		
3,500.00	2,928.15	2,900.15	2,900.15	30.30	10.20	39.30	-6,967.23	-7,816.97	9,043.53	9,015.27	28.26	319.968		
3,600.00	2,989.92	2,961.92	2,961.92	31.73	10.42	39.57	-6,967.23	-7,816.97	8,973.42	8,944.15	29.27	306.567		
3,700.00	3,051.70	3,023.70	3,023.70	33.17	10.64	39.85	-6,967.23	-7,816.97	8,903.46	8,873.17	30.29	293.934		
3,800.00	3,113.47	3,085.47	3,085.47	34.61	10.86	40.13	-6,967.23	-7,816.97	8,833.64	8,802.32	31.32	282.011		
3,900.00	3,175.25	3,147.25	3,147.25	36.05	11.08	40.42	-6,967.23	-7,816.97	8,763.97	8,731.60	32.37	270.744		
4,000.00	3,237.03	3,209.03	3,209.03	37.49	11.31	40.71	-6,967.23	-7,816.97	8,694.46	8,661.03	33.43	260.087		
4,100.00	3,298.80	3,270.80	3,270.80	38.93	11.53	41.00	-6,967.23	-7,816.97	8,625.10	8,590.60	34.50	249.995		
4,200.00	3,360.58	3,332.58	3,332.58	40.37	11.75	41.30	-6,967.23	-7,816.97	8,555.90	8,520.31	35.59	240.428		
4,300.00	3,422.35	3,394.35	3,394.35	41.82	11.97	41.59	-6,967.23	-7,816.97	8,486.86	8,450.18	36.68	231.349		
4,400.00	3,484.13	3,456.13	3,456.13	43.27	12.19	41.90	-6,967.23	-7,816.97	8,418.00	8,380.20	37.80	222.725		
4,500.00	3,545.90	3,517.90	3,517.90	44.72	12.41	42.20	-6,967.23	-7,816.97	8,349.30	8,310.38	38.92	214.525		
4,600.00	3,607.68	3,579.68	3,579.68	46.16	12.63	42.51	-6,967.23	-7,816.97	8,280.79	8,240.73	40.06	206.721		
4,700.00	3,669.46	3,641.46	3,641.46	47.61	12.86	42.83	-6,967.23	-7,816.97	8,212.45	8,171.24	41.21	199.287		
4,800.00	3,731.23	3,703.23	3,703.23	49.06	13.08	43.14	-6,967.23	-7,816.97	8,144.30	8,101.93	42.37	192.200		
4,900.00	3,793.01	3,765.01	3,765.01	50.52	13.30	43.46	-6,967.23	-7,816.97	8,076.35	8,032.79	43.55	185.436		
5,000.00	3,854.78	3,826.78	3,826.78	51.97	13.52	43.79	-6,967.23	-7,816.97	8,008.58	7,963.84	44.75	178.978		
5,100.00	3,916.56	3,888.56	3,888.56	53.42	13.74	44.12	-6,967.23	-7,816.97	7,941.02	7,895.07	45.95	172.805		
5,200.00	3,978.34	3,950.34	3,950.34	54.87	13.96	44.45	-6,967.23	-7,816.97	7,873.66	7,826.49	47.18	166.902		
5,300.00	4,040.11	4,012.11	4,012.11	56.32	14.19	44.79	-6,967.23	-7,816.97	7,806.52	7,758.11	48.41	161.251		
5,400.00	4,101.89	4,073.89	4,073.89	57.78	14.41	45.13	-6,967.23	-7,816.97	7,739.59	7,689.92	49.66	155.840		
5,500.00	4,163.66	4,135.66	4,135.66	59.23	14.63	45.47	-6,967.23	-7,816.97	7,672.88	7,621.95	50.93	150.653		
5,600.00	4,225.44	4,197.44	4,197.44	60.69	14.85	45.82	-6,967.23	-7,816.97	7,606.40	7,554.19	52.21	145.680		
5,700.00	4,287.21	4,259.21	4,259.21	62.14	15.07	46.17	-6,967.23	-7,816.97	7,540.16	7,486.65	53.51	140.908		
5,800.00	4,348.99	4,320.99	4,320.99	63.60	15.29	46.53	-6,967.23	-7,816.97	7,474.15	7,419.33	54.83	136.326		
5,900.00	4,410.77	4,382.77	4,382.77	65.05	15.51	46.89	-6,967.23	-7,816.97	7,408.39	7,352.24	56.16	131.924		
6,000.00	4,472.54	4,444.54	4,444.54	66.51	15.74	47.26	-6,967.23	-7,816.97	7,342.89	7,285.38	57.50	127.694		
6,100.00	4,534.32	4,506.32	4,506.32	67.96	15.96	47.63	-6,967.23	-7,816.97	7,277.64	7,218.77	58.87	123.626		
6,200.00	4,596.09	4,568.09	4,568.09	69.42	16.18	48.00	-6,967.23	-7,816.97	7,212.66	7,152.41	60.25	119.712		
6,300.00	4,657.87	4,629.87	4,629.87	70.88	16.40	48.38	-6,967.23	-7,816.97	7,147.96	7,086.31	61.65	115.945		
6,400.00	4,719.64	4,691.64	4,691.64	72.33	16.62	48.76	-6,967.23	-7,816.97	7,083.54	7,020.47	63.07	112.318		
6,500.00	4,781.42	4,753.42	4,753.42	73.79	16.84	49.15	-6,967.23	-7,816.97	7,019.41	6,954.90	64.50	108.824		
6,600.00	4,843.20	4,815.20	4,815.20	75.25	17.06	49.54	-6,967.23	-7,816.97	6,955.57	6,889.62	65.96	105.456		
6,700.00	4,904.97	4,876.97	4,876.97	76.71	17.29	49.94	-6,967.23	-7,816.97	6,892.04	6,824.61	67.43	102.210		
6,800.00	4,966.75	4,938.75	4,938.75	78.16	17.51	50.34	-6,967.23	-7,816.97	6,828.83	6,759.91	68.92	99.080		
6,900.00	5,028.52	5,000.52	5,000.52	79.62	17.73	50.75	-6,967.23	-7,816.97	6,765.94	6,695.51	70.43	96.060		
7,000.00	5,090.30	5,062.30	5,062.30	81.08	17.95	51.16	-6,967.23	-7,816.97	6,703.38	6,631.42	71.97	93.145		
7,100.00	5,152.08	5,124.08	5,124.08	82.54	18.17	51.58	-6,967.23	-7,816.97	6,641.17	6,567.65	73.52	90.332		
7,200.00	5,213.85	5,185.85	5,185.85	83.99	18.39	52.00	-6,967.23	-7,816.97	6,579.30	6,504.21	75.09	87.616		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
7,300.00	5,275.63	5,247.63	5,247.63	85.45	18.61	52.42	-6,967.23	-7,816.97	6,517.80	6,441.11	76.69	84.993		
7,400.00	5,337.40	5,309.40	5,309.40	86.91	18.84	52.86	-6,967.23	-7,816.97	6,456.67	6,378.37	78.30	82.459		
7,500.00	5,399.18	5,371.18	5,371.18	88.37	19.06	53.29	-6,967.23	-7,816.97	6,395.92	6,315.98	79.94	80.011		
7,600.00	5,460.95	5,432.95	5,432.95	89.83	19.28	53.73	-6,967.23	-7,816.97	6,335.57	6,253.97	81.60	77.644		
7,700.00	5,522.73	5,494.73	5,494.73	91.29	19.50	54.18	-6,967.23	-7,816.97	6,275.62	6,192.34	83.28	75.357		
7,800.00	5,584.51	5,556.51	5,556.51	92.75	19.72	54.63	-6,967.23	-7,816.97	6,216.08	6,131.10	84.98	73.146		
7,900.00	5,646.28	5,618.28	5,618.28	94.20	19.94	55.09	-6,967.23	-7,816.97	6,156.98	6,070.27	86.71	71.008		
8,000.00	5,708.06	5,680.06	5,680.06	95.66	20.16	55.55	-6,967.23	-7,816.97	6,098.31	6,009.86	88.46	68.940		
8,100.00	5,769.83	5,741.83	5,741.83	97.12	20.39	56.01	-6,967.23	-7,816.97	6,040.10	5,949.87	90.23	66.940		
8,200.00	5,831.61	5,803.61	5,803.61	98.58	20.61	56.48	-6,967.23	-7,816.97	5,982.36	5,890.33	92.03	65.006		
8,300.00	5,893.39	5,865.39	5,865.39	100.04	20.83	56.96	-6,967.23	-7,816.97	5,925.10	5,831.25	93.85	63.135		
8,400.00	5,955.16	5,927.16	5,927.16	101.50	21.05	57.44	-6,967.23	-7,816.97	5,868.34	5,772.64	95.69	61.325		
8,500.00	6,016.94	5,988.94	5,988.94	102.96	21.27	57.93	-6,967.23	-7,816.97	5,812.08	5,714.52	97.56	59.573		
8,600.00	6,078.71	6,050.71	6,050.71	104.42	21.49	58.42	-6,967.23	-7,816.97	5,756.35	5,656.89	99.45	57.879		
8,700.00	6,140.49	6,112.49	6,112.49	105.88	21.71	58.92	-6,967.23	-7,816.97	5,701.15	5,599.78	101.37	56.240		
8,800.00	6,202.26	6,174.26	6,174.26	107.34	21.94	59.42	-6,967.23	-7,816.97	5,646.52	5,543.20	103.31	54.653		
8,900.00	6,264.04	6,236.04	6,236.04	108.80	22.16	59.93	-6,967.23	-7,816.97	5,592.45	5,487.17	105.28	53.119		
9,000.00	6,325.82	6,297.82	6,297.82	110.26	22.38	60.44	-6,967.23	-7,816.97	5,538.98	5,431.70	107.27	51.634		
9,100.00	6,387.59	6,359.59	6,359.59	111.72	22.60	60.96	-6,967.23	-7,816.97	5,486.11	5,376.82	109.29	50.198		
9,200.00	6,449.37	6,421.37	6,421.37	113.18	22.82	61.49	-6,967.23	-7,816.97	5,433.86	5,322.53	111.33	48.808		
9,300.00	6,511.14	6,483.14	6,483.14	114.64	23.04	62.02	-6,967.23	-7,816.97	5,382.26	5,268.86	113.40	47.464		
9,400.00	6,572.92	6,544.92	6,544.92	116.10	23.26	62.55	-6,967.23	-7,816.97	5,331.31	5,215.83	115.49	46.164		
9,500.00	6,634.70	6,606.70	6,606.70	117.56	23.49	63.09	-6,967.23	-7,816.97	5,281.05	5,163.45	117.60	44.907		
9,600.00	6,696.47	6,668.47	6,668.47	119.02	23.71	63.64	-6,967.23	-7,816.97	5,231.48	5,111.75	119.74	43.692		
9,700.00	6,758.22	6,730.22	6,730.22	120.48	23.93	63.25	-6,967.23	-7,816.97	5,182.55	5,060.65	121.90	42.516		
9,800.00	6,817.23	6,789.23	6,789.23	122.00	24.14	63.76	-6,967.23	-7,816.97	5,125.55	5,001.60	123.95	41.353		
9,900.00	6,870.40	6,842.40	6,842.40	123.58	24.33	64.25	-6,967.23	-7,816.97	5,055.88	4,930.13	125.75	40.207		
10,000.00	6,916.13	6,888.13	6,888.13	125.16	24.49	64.71	-6,967.23	-7,816.97	4,975.37	4,848.16	127.21	39.111		
10,100.00	6,953.01	6,925.01	6,925.01	126.69	24.63	65.15	-6,967.23	-7,816.97	4,886.24	4,757.96	128.28	38.091		
10,200.00	6,979.94	6,951.94	6,951.94	128.11	24.72	65.57	-6,967.23	-7,816.97	4,791.00	4,662.11	128.89	37.172		
10,300.00	6,996.09	6,968.09	6,968.09	129.37	24.78	-31.44	-6,967.23	-7,816.97	4,692.44	4,563.45	129.00	36.377		
10,400.00	7,001.00	6,973.00	6,973.00	130.45	24.80	-90.00	-6,967.23	-7,816.97	4,593.55	4,464.98	128.58	35.727		
10,500.00	7,001.00	6,973.00	6,973.00	131.44	24.80	-90.00	-6,967.23	-7,816.97	4,495.39	4,367.48	127.91	35.145		
10,600.00	7,001.00	6,973.00	6,973.00	132.48	24.80	-90.00	-6,967.23	-7,816.97	4,397.31	4,270.10	127.22	34.566		
10,700.00	7,001.00	6,973.00	6,973.00	133.54	24.80	-90.00	-6,967.23	-7,816.97	4,299.32	4,172.83	126.49	33.989		
10,800.00	7,001.00	6,973.00	6,973.00	134.64	24.80	-90.00	-6,967.23	-7,816.97	4,201.43	4,075.70	125.73	33.416		
10,900.00	7,001.00	6,973.00	6,973.00	135.77	24.80	-90.00	-6,967.23	-7,816.97	4,103.64	3,978.70	124.94	32.845		
11,000.00	7,001.00	6,973.00	6,973.00	136.94	24.80	-90.00	-6,967.23	-7,816.97	4,005.95	3,881.84	124.11	32.278		
11,100.00	7,001.00	6,973.00	6,973.00	138.14	24.80	-90.00	-6,967.23	-7,816.97	3,908.38	3,785.15	123.24	31.714		
11,200.00	7,001.00	6,973.00	6,973.00	139.38	24.80	-90.00	-6,967.23	-7,816.97	3,810.94	3,688.62	122.32	31.155		
11,300.00	7,001.00	6,973.00	6,973.00	140.65	24.80	-90.00	-6,967.23	-7,816.97	3,713.64	3,592.27	121.36	30.599		
11,400.00	7,001.00	6,973.00	6,973.00	141.95	24.80	-90.00	-6,967.23	-7,816.97	3,616.48	3,496.12	120.36	30.048		
11,500.00	7,001.00	6,973.00	6,973.00	143.29	24.80	-90.00	-6,967.23	-7,816.97	3,519.48	3,400.19	119.30	29.502		
11,600.00	7,001.00	6,973.00	6,973.00	144.66	24.80	-90.00	-6,967.23	-7,816.97	3,422.66	3,304.48	118.18	28.961		
11,700.00	7,001.00	6,973.00	6,973.00	146.06	24.80	-90.00	-6,967.23	-7,816.97	3,326.02	3,209.01	117.00	28.427		
11,800.00	7,001.00	6,973.00	6,973.00	147.50	24.80	-90.00	-6,967.23	-7,816.97	3,229.58	3,113.82	115.76	27.898		
11,900.00	7,001.00	6,973.00	6,973.00	148.97	24.80	-90.00	-6,967.23	-7,816.97	3,133.37	3,018.92	114.46	27.376		
12,000.00	7,001.00	6,973.00	6,973.00	150.47	24.80	-90.00	-6,967.23	-7,816.97	3,037.41	2,924.33	113.07	26.862		
12,100.00	7,001.00	6,973.00	6,973.00	152.00	24.80	-90.00	-6,967.23	-7,816.97	2,941.71	2,830.10	111.61	26.356		
12,200.00	7,001.00	6,973.00	6,973.00	153.57	24.80	-90.00	-6,967.23	-7,816.97	2,846.31	2,736.24	110.07	25.859		
12,300.00	7,001.00	6,973.00	6,973.00	155.16	24.80	-90.00	-6,967.23	-7,816.97	2,751.24	2,642.80	108.44	25.371		
12,400.00	7,001.00	6,973.00	6,973.00	156.79	24.80	-90.00	-6,967.23	-7,816.97	2,656.53	2,549.81	106.72	24.893		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
12,500.00	7,001.00	6,973.00	6,973.00	158.44	24.80	-90.00	-6,967.23	-7,816.97	2,562.22	2,457.32	104.90	24.426		
12,600.00	7,001.00	6,973.00	6,973.00	160.13	24.80	-90.00	-6,967.23	-7,816.97	2,468.35	2,365.38	102.98	23.970		
12,700.00	7,001.00	6,973.00	6,973.00	161.84	24.80	-90.00	-6,967.23	-7,816.97	2,374.99	2,274.04	100.96	23.525		
12,800.00	7,001.00	6,973.00	6,973.00	163.58	24.80	-90.00	-6,967.23	-7,816.97	2,282.19	2,183.36	98.84	23.090		
12,900.00	7,001.00	6,973.00	6,973.00	165.35	24.80	-90.00	-6,967.23	-7,816.97	2,190.03	2,093.40	96.63	22.664		
13,000.00	7,001.00	6,973.00	6,973.00	167.14	24.80	-90.00	-6,967.23	-7,816.97	2,098.58	2,004.24	94.34	22.244		
13,100.00	7,001.00	6,973.00	6,973.00	168.97	24.80	-90.00	-6,967.23	-7,816.97	2,007.95	1,915.95	92.01	21.824		
13,200.00	7,001.00	6,973.00	6,973.00	170.81	24.80	-90.00	-6,967.23	-7,816.97	1,918.25	1,828.59	89.66	21.394		
13,300.00	7,001.00	6,973.00	6,973.00	172.68	24.80	-90.00	-6,967.23	-7,816.97	1,829.62	1,742.24	87.38	20.939		
13,400.00	7,001.00	6,973.00	6,973.00	174.58	24.80	-90.00	-6,967.23	-7,816.97	1,742.22	1,656.95	85.27	20.432		
13,500.00	7,001.00	6,973.00	6,973.00	176.50	24.80	-90.00	-6,967.23	-7,816.97	1,656.25	1,572.77	83.48	19.840		
13,600.00	7,001.00	6,973.00	6,973.00	178.44	24.80	-90.00	-6,967.23	-7,816.97	1,571.93	1,489.69	82.24	19.114		
13,700.00	7,001.00	6,973.00	6,973.00	180.41	24.80	-90.00	-6,967.23	-7,816.97	1,489.56	1,407.72	81.84	18.201		
13,800.00	7,001.00	6,973.00	6,973.00	182.39	24.80	-90.00	-6,967.23	-7,816.97	1,409.47	1,326.84	82.63	17.057		
13,900.00	7,001.00	6,973.00	6,973.00	184.40	24.80	-90.00	-6,967.23	-7,816.97	1,332.08	1,247.08	85.00	15.672		
14,000.00	7,001.00	6,973.00	6,973.00	186.43	24.80	-90.00	-6,967.23	-7,816.97	1,257.88	1,168.61	89.27	14.091		
14,100.00	7,001.00	6,973.00	6,973.00	188.48	24.80	-90.00	-6,967.23	-7,816.97	1,187.47	1,091.80	95.67	12.412		
14,200.00	7,001.00	6,973.00	6,973.00	190.54	24.80	-90.00	-6,967.23	-7,816.97	1,121.56	1,017.27	104.29	10.754		
14,300.00	7,001.00	6,973.00	6,973.00	192.63	24.80	-90.00	-6,967.23	-7,816.97	1,061.00	945.92	115.08	9.220		
14,400.00	7,001.00	6,973.00	6,973.00	194.73	24.80	-90.00	-6,967.23	-7,816.97	1,006.75	878.90	127.85	7.874		
14,500.00	7,001.00	6,973.00	6,973.00	196.85	24.80	-90.00	-6,967.23	-7,816.97	959.87	817.62	142.26	6.747		
14,600.00	7,001.00	6,973.00	6,973.00	198.99	24.80	-90.00	-6,967.23	-7,816.97	921.51	763.71	157.80	5.840		
14,700.00	7,001.00	6,973.00	6,973.00	201.14	24.80	-90.00	-6,967.23	-7,816.97	892.75	718.96	173.79	5.137		
14,800.00	7,001.00	6,973.00	6,973.00	203.31	24.80	-90.00	-6,967.23	-7,816.97	874.54	685.13	189.41	4.617		
14,900.00	7,001.00	6,973.00	6,973.00	205.50	24.80	-90.00	-6,967.23	-7,816.97	867.55	663.74	203.81	4.257		
14,910.90	7,001.00	6,973.00	6,973.00	205.74	24.80	-90.00	-6,967.23	-7,816.97	867.48	662.20	205.27	4.226 CC		
15,000.00	7,001.00	6,973.00	6,973.00	207.70	24.80	-90.00	-6,967.23	-7,816.97	872.04	655.79	216.26	4.032 ES		
15,100.00	7,001.00	6,973.00	6,973.00	209.91	24.80	-90.00	-6,967.23	-7,816.97	887.85	661.59	226.26	3.924		
15,200.00	7,001.00	6,973.00	6,973.00	212.14	24.80	-90.00	-6,967.23	-7,816.97	914.38	680.72	233.66	3.913 SF		
15,300.00	7,001.00	6,973.00	6,973.00	214.38	24.80	-90.00	-6,967.23	-7,816.97	950.75	712.15	238.60	3.985		
15,400.00	7,001.00	6,973.00	6,973.00	216.64	24.80	-90.00	-6,967.23	-7,816.97	995.86	754.47	241.39	4.126		
15,500.00	7,001.00	6,973.00	6,973.00	218.90	24.80	-90.00	-6,967.23	-7,816.97	1,048.60	806.14	242.46	4.325		
15,600.00	7,001.00	6,973.00	6,973.00	221.18	24.80	-90.00	-6,967.23	-7,816.97	1,107.87	865.64	242.23	4.574		
15,700.00	7,001.00	6,973.00	6,973.00	223.47	24.80	-90.00	-6,967.23	-7,816.97	1,172.69	931.62	241.07	4.864		
15,800.00	7,001.00	6,973.00	6,973.00	225.78	24.80	-90.00	-6,967.23	-7,816.97	1,242.18	1,002.90	239.29	5.191		
15,900.00	7,001.00	6,973.00	6,973.00	228.09	24.80	-90.00	-6,967.23	-7,816.97	1,315.61	1,078.51	237.10	5.549		
16,000.00	7,001.00	6,973.00	6,973.00	230.41	24.80	-90.00	-6,967.23	-7,816.97	1,392.36	1,157.67	234.68	5.933		
16,100.00	7,001.00	6,973.00	6,973.00	232.75	24.80	-90.00	-6,967.23	-7,816.97	1,471.90	1,239.74	232.16	6.340		
16,200.00	7,001.00	6,973.00	6,973.00	235.09	24.80	-90.00	-6,967.23	-7,816.97	1,553.80	1,324.19	229.61	6.767		
16,300.00	7,001.00	6,973.00	6,973.00	237.45	24.80	-90.00	-6,967.23	-7,816.97	1,637.72	1,410.62	227.09	7.212		
16,400.00	7,001.00	6,973.00	6,973.00	239.81	24.80	-90.00	-6,967.23	-7,816.97	1,723.35	1,498.71	224.64	7.671		
16,500.00	7,001.00	6,973.00	6,973.00	242.18	24.80	-90.00	-6,967.23	-7,816.97	1,810.46	1,588.18	222.28	8.145		
16,600.00	7,001.00	6,973.00	6,973.00	244.56	24.80	-90.00	-6,967.23	-7,816.97	1,898.84	1,678.82	220.02	8.630		
16,700.00	7,001.00	6,973.00	6,973.00	246.95	24.80	-90.00	-6,967.23	-7,816.97	1,988.32	1,770.45	217.87	9.126		
16,800.00	7,001.00	6,973.00	6,973.00	249.35	24.80	-90.00	-6,967.23	-7,816.97	2,078.76	1,862.93	215.82	9.632		
16,900.00	7,001.00	6,973.00	6,973.00	251.75	24.80	-90.00	-6,967.23	-7,816.97	2,170.03	1,956.15	213.89	10.146		
17,000.00	7,001.00	6,973.00	6,973.00	254.17	24.80	-90.00	-6,967.23	-7,816.97	2,262.05	2,049.99	212.05	10.667		
17,100.00	7,001.00	6,973.00	6,973.00	256.59	24.80	-90.00	-6,967.23	-7,816.97	2,354.72	2,144.39	210.32	11.196		
17,200.00	7,001.00	6,973.00	6,973.00	259.01	24.80	-90.00	-6,967.23	-7,816.97	2,447.96	2,239.27	208.69	11.730		
17,300.00	7,001.00	6,973.00	6,973.00	261.45	24.80	-90.00	-6,967.23	-7,816.97	2,541.72	2,334.58	207.14	12.271		
17,400.00	7,001.00	6,973.00	6,973.00	263.89	24.80	-90.00	-6,967.23	-7,816.97	2,635.93	2,430.26	205.68	12.816		
17,500.00	7,001.00	6,973.00	6,973.00	266.34	24.80	-90.00	-6,967.23	-7,816.97	2,730.56	2,526.27	204.29	13.366		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
17,600.00	7,001.00	6,973.00	6,973.00	268.79	24.80	-90.00	-6,967.23	-7,816.97	2,825.56	2,622.58	202.98	13.920		
17,700.00	7,001.00	6,973.00	6,973.00	271.25	24.80	-90.00	-6,967.23	-7,816.97	2,920.89	2,719.15	201.74	14.478		
17,800.00	7,001.00	6,973.00	6,973.00	273.72	24.80	-90.00	-6,967.23	-7,816.97	3,016.53	2,815.96	200.57	15.040		
17,900.00	7,001.00	6,973.00	6,973.00	276.19	24.80	-90.00	-6,967.23	-7,816.97	3,112.43	2,912.98	199.45	15.605		
18,000.00	7,001.00	6,973.00	6,973.00	278.67	24.80	-90.00	-6,967.23	-7,816.97	3,208.59	3,010.20	198.40	16.173		
18,100.00	7,001.00	6,973.00	6,973.00	281.15	24.80	-90.00	-6,967.23	-7,816.97	3,304.98	3,107.59	197.39	16.743		
18,200.00	7,001.00	6,973.00	6,973.00	283.64	24.80	-90.00	-6,967.23	-7,816.97	3,401.57	3,205.13	196.44	17.316		
18,300.00	7,001.00	6,973.00	6,973.00	286.15	24.80	-90.00	-6,967.23	-7,816.97	3,497.79	3,302.34	195.45	17.896		
18,400.00	7,001.00	6,973.00	6,973.00	288.68	24.80	-90.00	-6,967.23	-7,816.97	3,593.25	3,398.86	194.40	18.484		
18,500.00	7,001.00	6,973.00	6,973.00	291.24	24.80	-90.00	-6,967.23	-7,816.97	3,688.12	3,494.83	193.29	19.080		
18,600.00	7,001.00	6,973.00	6,973.00	293.80	24.80	-90.00	-6,967.23	-7,816.97	3,783.18	3,590.95	192.23	19.680		
18,700.00	7,001.00	6,973.00	6,973.00	296.36	24.80	-90.00	-6,967.23	-7,816.97	3,878.49	3,687.28	191.21	20.284		
18,800.00	7,001.00	6,973.00	6,973.00	298.93	24.80	-90.00	-6,967.23	-7,816.97	3,974.03	3,783.79	190.24	20.890		
18,900.00	7,001.00	6,973.00	6,973.00	301.50	24.80	-90.00	-6,967.23	-7,816.97	4,069.78	3,880.48	189.30	21.499		
19,000.00	7,001.00	6,973.00	6,973.00	304.07	24.80	-90.00	-6,967.23	-7,816.97	4,165.73	3,977.33	188.41	22.110		
19,100.00	7,001.00	6,973.00	6,973.00	306.65	24.80	-90.00	-6,967.23	-7,816.97	4,261.87	4,074.33	187.54	22.725		
19,200.00	7,001.00	6,973.00	6,973.00	309.23	24.80	-90.00	-6,967.23	-7,816.97	4,358.19	4,171.47	186.72	23.341		
19,300.00	7,001.00	6,973.00	6,973.00	311.81	24.80	-90.00	-6,967.23	-7,816.97	4,454.66	4,268.74	185.92	23.960		
19,400.00	7,001.00	6,973.00	6,973.00	314.39	24.80	-90.00	-6,967.23	-7,816.97	4,551.29	4,366.13	185.16	24.580		
19,500.00	7,001.00	6,973.00	6,973.00	316.97	24.80	-90.00	-6,967.23	-7,816.97	4,648.06	4,463.63	184.43	25.203		
19,600.00	7,001.00	6,973.00	6,973.00	319.56	24.80	-90.00	-6,967.23	-7,816.97	4,744.96	4,561.24	183.72	25.827		
19,700.00	7,001.00	6,973.00	6,973.00	322.15	24.80	-90.00	-6,967.23	-7,816.97	4,841.99	4,658.95	183.04	26.453		
19,800.00	7,001.00	6,973.00	6,973.00	324.74	24.80	-90.00	-6,967.23	-7,816.97	4,939.14	4,756.75	182.39	27.081		
19,900.00	7,001.00	6,973.00	6,973.00	327.33	24.80	-90.00	-6,967.23	-7,816.97	5,036.43	4,854.67	181.76	27.709		
20,000.00	7,001.00	6,973.00	6,973.00	329.92	24.80	-90.00	-6,967.23	-7,816.97	5,134.37	4,953.15	181.22	28.332		
20,100.00	7,001.00	6,973.00	6,973.00	332.49	24.80	-90.00	-6,967.23	-7,816.97	5,233.01	5,052.21	180.80	28.944		
20,200.00	7,001.00	6,973.00	6,973.00	335.04	24.80	-90.00	-6,967.23	-7,816.97	5,332.09	5,151.63	180.46	29.548		
20,300.00	7,001.00	6,973.00	6,973.00	337.60	24.80	-90.00	-6,967.23	-7,816.97	5,431.22	5,251.09	180.13	30.151		
20,400.00	7,001.00	6,973.00	6,973.00	340.16	24.80	-90.00	-6,967.23	-7,816.97	5,530.38	5,350.56	179.82	30.755		
20,500.00	7,001.00	6,973.00	6,973.00	342.72	24.80	-90.00	-6,967.23	-7,816.97	5,629.57	5,450.05	179.52	31.360		
20,600.00	7,001.00	6,973.00	6,973.00	345.29	24.80	-90.00	-6,967.23	-7,816.97	5,728.79	5,549.56	179.22	31.964		
20,700.00	7,001.00	6,973.00	6,973.00	347.86	24.80	-90.00	-6,967.23	-7,816.97	5,828.03	5,649.09	178.94	32.569		
20,800.00	7,001.00	6,973.00	6,973.00	350.43	24.80	-90.00	-6,967.23	-7,816.97	5,927.30	5,748.63	178.67	33.174		
20,900.00	7,001.00	6,973.00	6,973.00	353.00	24.80	-90.00	-6,967.23	-7,816.97	6,026.59	5,848.18	178.41	33.779		
21,000.00	7,001.00	6,973.00	6,973.00	355.58	24.80	-90.00	-6,967.23	-7,816.97	6,125.91	5,947.75	178.16	34.385		
21,100.00	7,001.00	6,973.00	6,973.00	358.16	24.80	-90.00	-6,967.23	-7,816.97	6,225.25	6,047.34	177.91	34.990		
21,121.77	7,001.00	6,973.00	6,973.00	358.72	24.80	-90.00	-6,967.23	-7,816.97	6,246.88	6,069.02	177.86	35.122		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
6,800.00	4,966.75	4,975.75	4,975.75	78.16	17.64	65.80	-5,635.97	-11,692.43	10,082.53	9,999.72	82.82	121.746		
6,900.00	5,028.52	5,037.52	5,037.52	79.62	17.86	66.08	-5,635.97	-11,692.43	10,036.47	9,951.97	84.50	118.780		
7,000.00	5,090.30	5,099.30	5,099.30	81.08	18.08	66.37	-5,635.97	-11,692.43	9,990.81	9,904.63	86.19	115.921		
7,100.00	5,152.08	5,161.08	5,161.08	82.54	18.30	66.65	-5,635.97	-11,692.43	9,945.57	9,857.68	87.89	113.164		
7,200.00	5,213.85	5,222.85	5,222.85	83.99	18.52	66.94	-5,635.97	-11,692.43	9,900.74	9,811.14	89.60	110.503		
7,300.00	5,275.63	5,284.63	5,284.63	85.45	18.74	67.23	-5,635.97	-11,692.43	9,856.33	9,765.02	91.32	107.935		
7,400.00	5,337.40	5,346.40	5,346.40	86.91	18.96	67.52	-5,635.97	-11,692.43	9,812.36	9,719.31	93.05	105.456		
7,500.00	5,399.18	5,408.18	5,408.18	88.37	19.19	67.82	-5,635.97	-11,692.43	9,768.82	9,674.03	94.79	103.061		
7,600.00	5,460.95	5,469.95	5,469.95	89.83	19.41	68.11	-5,635.97	-11,692.43	9,725.72	9,629.18	96.54	100.746		
7,700.00	5,522.73	5,531.73	5,531.73	91.29	19.63	68.40	-5,635.97	-11,692.43	9,683.07	9,584.77	98.30	98.509		
7,800.00	5,584.51	5,593.51	5,593.51	92.75	19.85	68.70	-5,635.97	-11,692.43	9,640.87	9,540.80	100.06	96.346		
7,900.00	5,646.28	5,655.28	5,655.28	94.20	20.07	69.00	-5,635.97	-11,692.43	9,599.12	9,497.28	101.84	94.254		
8,000.00	5,708.06	5,717.06	5,717.06	95.66	20.29	69.29	-5,635.97	-11,692.43	9,557.85	9,454.22	103.63	92.231		
8,100.00	5,769.83	5,778.83	5,778.83	97.12	20.51	69.59	-5,635.97	-11,692.43	9,517.04	9,411.62	105.43	90.272		
8,200.00	5,831.61	5,840.61	5,840.61	98.58	20.74	69.89	-5,635.97	-11,692.43	9,476.71	9,369.48	107.23	88.376		
8,300.00	5,893.39	5,902.39	5,902.39	100.04	20.96	70.20	-5,635.97	-11,692.43	9,436.87	9,327.82	109.05	86.541		
8,400.00	5,955.16	5,964.16	5,964.16	101.50	21.18	70.50	-5,635.97	-11,692.43	9,397.51	9,286.64	110.87	84.763		
8,500.00	6,016.94	6,025.94	6,025.94	102.96	21.40	70.80	-5,635.97	-11,692.43	9,358.65	9,245.95	112.70	83.042		
8,600.00	6,078.71	6,087.71	6,087.71	104.42	21.62	71.11	-5,635.97	-11,692.43	9,320.29	9,205.75	114.54	81.373		
8,700.00	6,140.49	6,149.49	6,149.49	105.88	21.84	71.41	-5,635.97	-11,692.43	9,282.44	9,166.05	116.38	79.757		
8,800.00	6,202.26	6,211.26	6,211.26	107.34	22.06	71.72	-5,635.97	-11,692.43	9,245.10	9,126.86	118.24	78.190		
8,900.00	6,264.04	6,273.04	6,273.04	108.80	22.29	72.03	-5,635.97	-11,692.43	9,208.28	9,088.18	120.10	76.671		
9,000.00	6,325.82	6,334.82	6,334.82	110.26	22.51	72.34	-5,635.97	-11,692.43	9,171.99	9,050.02	121.97	75.198		
9,100.00	6,387.59	6,396.59	6,396.59	111.72	22.73	72.65	-5,635.97	-11,692.43	9,136.23	9,012.38	123.85	73.770		
9,200.00	6,449.37	6,458.37	6,458.37	113.18	22.95	72.96	-5,635.97	-11,692.43	9,101.01	8,975.28	125.73	72.385		
9,300.00	6,511.14	6,520.14	6,520.14	114.64	23.17	73.27	-5,635.97	-11,692.43	9,066.33	8,938.71	127.62	71.041		
9,400.00	6,572.92	6,581.92	6,581.92	116.10	23.39	73.59	-5,635.97	-11,692.43	9,032.21	8,902.69	129.52	69.737		
9,500.00	6,634.70	6,643.70	6,643.70	117.56	23.62	73.90	-5,635.97	-11,692.43	8,998.64	8,867.22	131.42	68.472		
9,600.00	6,696.47	6,705.47	6,705.47	119.02	23.84	74.22	-5,635.97	-11,692.43	8,965.64	8,832.31	133.33	67.245		
9,700.00	6,758.22	6,767.22	6,767.22	120.48	24.06	73.71	-5,635.97	-11,692.43	8,933.11	8,797.87	135.24	66.053		
9,800.00	6,817.23	6,826.23	6,826.23	122.00	24.27	67.26	-5,635.97	-11,692.43	8,891.39	8,754.27	137.12	64.843		
9,900.00	6,879.00	6,888.00	6,888.00	123.58	24.46	62.15	-5,635.97	-11,692.43	8,835.02	8,696.13	138.89	63.611		
10,000.00	6,916.13	6,925.13	6,925.13	125.16	24.62	58.43	-5,635.97	-11,692.43	8,765.56	8,625.08	140.48	62.398		
10,100.00	6,953.01	6,962.01	6,962.01	126.69	24.76	56.20	-5,635.97	-11,692.43	8,684.97	8,543.15	141.82	61.240		
10,200.00	6,979.94	6,988.94	6,988.94	128.11	24.85	55.82	-5,635.97	-11,692.43	8,595.53	8,452.68	142.86	60.169		
10,300.00	6,996.09	7,005.09	7,005.09	129.37	24.91	59.27	-5,635.97	-11,692.43	8,499.84	8,356.29	143.55	59.212		
10,400.00	7,001.00	7,010.00	7,010.00	130.45	24.93	90.00	-5,635.97	-11,692.43	8,400.69	8,256.83	143.86	58.393		
10,500.00	7,001.00	7,010.00	7,010.00	131.44	24.93	90.00	-5,635.97	-11,692.43	8,300.84	8,156.83	144.01	57.639		
10,600.00	7,001.00	7,010.00	7,010.00	132.48	24.93	90.00	-5,635.97	-11,692.43	8,201.00	8,056.83	144.17	56.886		
10,700.00	7,001.00	7,010.00	7,010.00	133.54	24.93	90.00	-5,635.97	-11,692.43	8,101.16	7,956.83	144.32	56.132		
10,800.00	7,001.00	7,010.00	7,010.00	134.64	24.93	90.00	-5,635.97	-11,692.43	8,001.32	7,856.84	144.48	55.378		
10,900.00	7,001.00	7,010.00	7,010.00	135.77	24.93	90.00	-5,635.97	-11,692.43	7,901.49	7,756.84	144.65	54.625		
11,000.00	7,001.00	7,010.00	7,010.00	136.94	24.93	90.00	-5,635.97	-11,692.43	7,801.66	7,656.84	144.82	53.872		
11,100.00	7,001.00	7,010.00	7,010.00	138.14	24.93	90.00	-5,635.97	-11,692.43	7,701.83	7,556.84	144.99	53.119		
11,200.00	7,001.00	7,010.00	7,010.00	139.38	24.93	90.00	-5,635.97	-11,692.43	7,602.01	7,456.84	145.17	52.366		
11,300.00	7,001.00	7,010.00	7,010.00	140.65	24.93	90.00	-5,635.97	-11,692.43	7,502.20	7,356.84	145.35	51.614		
11,400.00	7,001.00	7,010.00	7,010.00	141.95	24.93	90.00	-5,635.97	-11,692.43	7,402.39	7,256.84	145.54	50.861		
11,500.00	7,001.00	7,010.00	7,010.00	143.29	24.93	90.00	-5,635.97	-11,692.43	7,302.58	7,156.85	145.73	50.109		
11,600.00	7,001.00	7,010.00	7,010.00	144.66	24.93	90.00	-5,635.97	-11,692.43	7,202.78	7,056.85	145.93	49.357		
11,700.00	7,001.00	7,010.00	7,010.00	146.06	24.93	90.00	-5,635.97	-11,692.43	7,102.99	6,956.85	146.14	48.605		
11,800.00	7,001.00	7,010.00	7,010.00	147.50	24.93	90.00	-5,635.97	-11,692.43	7,003.20	6,856.85	146.35	47.853		
11,900.00	7,001.00	7,010.00	7,010.00	148.97	24.93	90.00	-5,635.97	-11,692.43	6,903.41	6,756.85	146.56	47.102		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
12,000.00	7,001.00	7,010.00	7,010.00	150.47	24.93	90.00	-5,635.97	-11,692.43	6,803.64	6,656.85	146.78	46.351		
12,100.00	7,001.00	7,010.00	7,010.00	152.00	24.93	90.00	-5,635.97	-11,692.43	6,703.87	6,556.86	147.01	45.600		
12,200.00	7,001.00	7,010.00	7,010.00	153.57	24.93	90.00	-5,635.97	-11,692.43	6,604.11	6,456.86	147.25	44.850		
12,300.00	7,001.00	7,010.00	7,010.00	155.16	24.93	90.00	-5,635.97	-11,692.43	6,504.35	6,356.86	147.49	44.100		
12,400.00	7,001.00	7,010.00	7,010.00	156.79	24.93	90.00	-5,635.97	-11,692.43	6,404.60	6,256.86	147.74	43.350		
12,500.00	7,001.00	7,010.00	7,010.00	158.44	24.93	90.00	-5,635.97	-11,692.43	6,304.87	6,156.86	148.00	42.600		
12,600.00	7,001.00	7,010.00	7,010.00	160.13	24.93	90.00	-5,635.97	-11,692.43	6,205.13	6,056.87	148.27	41.851		
12,700.00	7,001.00	7,010.00	7,010.00	161.84	24.93	90.00	-5,635.97	-11,692.43	6,105.41	5,956.87	148.54	41.102		
12,800.00	7,001.00	7,010.00	7,010.00	163.58	24.93	90.00	-5,635.97	-11,692.43	6,005.70	5,856.87	148.83	40.353		
12,900.00	7,001.00	7,010.00	7,010.00	165.35	24.93	90.00	-5,635.97	-11,692.43	5,906.00	5,756.87	149.12	39.605		
13,000.00	7,001.00	7,010.00	7,010.00	167.14	24.93	90.00	-5,635.97	-11,692.43	5,806.30	5,656.88	149.43	38.858		
13,100.00	7,001.00	7,010.00	7,010.00	168.97	24.93	90.00	-5,635.97	-11,692.43	5,706.62	5,556.88	149.74	38.110		
13,200.00	7,001.00	7,010.00	7,010.00	170.81	24.93	90.00	-5,635.97	-11,692.43	5,606.95	5,456.88	150.07	37.363		
13,300.00	7,001.00	7,010.00	7,010.00	172.68	24.93	90.00	-5,635.97	-11,692.43	5,507.29	5,356.89	150.40	36.617		
13,400.00	7,001.00	7,010.00	7,010.00	174.58	24.93	90.00	-5,635.97	-11,692.43	5,407.64	5,256.89	150.75	35.871		
13,500.00	7,001.00	7,010.00	7,010.00	176.50	24.93	90.00	-5,635.97	-11,692.43	5,308.01	5,156.90	151.11	35.126		
13,600.00	7,001.00	7,010.00	7,010.00	178.44	24.93	90.00	-5,635.97	-11,692.43	5,208.39	5,056.90	151.49	34.381		
13,700.00	7,001.00	7,010.00	7,010.00	180.41	24.93	90.00	-5,635.97	-11,692.43	5,108.79	4,956.91	151.88	33.637		
13,800.00	7,001.00	7,010.00	7,010.00	182.39	24.93	90.00	-5,635.97	-11,692.43	5,009.20	4,856.91	152.29	32.893		
13,900.00	7,001.00	7,010.00	7,010.00	184.40	24.93	90.00	-5,635.97	-11,692.43	4,909.63	4,756.92	152.71	32.150		
14,000.00	7,001.00	7,010.00	7,010.00	186.43	24.93	90.00	-5,635.97	-11,692.43	4,810.07	4,656.92	153.15	31.407		
14,100.00	7,001.00	7,010.00	7,010.00	188.48	24.93	90.00	-5,635.97	-11,692.43	4,710.54	4,556.93	153.61	30.666		
14,200.00	7,001.00	7,010.00	7,010.00	190.54	24.93	90.00	-5,635.97	-11,692.43	4,611.02	4,456.94	154.09	29.925		
14,300.00	7,001.00	7,010.00	7,010.00	192.63	24.93	90.00	-5,635.97	-11,692.43	4,511.53	4,356.94	154.59	29.185		
14,400.00	7,001.00	7,010.00	7,010.00	194.73	24.93	90.00	-5,635.97	-11,692.43	4,412.06	4,256.95	155.11	28.445		
14,500.00	7,001.00	7,010.00	7,010.00	196.85	24.93	90.00	-5,635.97	-11,692.43	4,312.61	4,156.96	155.65	27.707		
14,600.00	7,001.00	7,010.00	7,010.00	198.99	24.93	90.00	-5,635.97	-11,692.43	4,213.19	4,056.97	156.22	26.969		
14,700.00	7,001.00	7,010.00	7,010.00	201.14	24.93	90.00	-5,635.97	-11,692.43	4,113.80	3,956.98	156.82	26.232		
14,800.00	7,001.00	7,010.00	7,010.00	203.31	24.93	90.00	-5,635.97	-11,692.43	4,014.44	3,856.99	157.45	25.497		
14,900.00	7,001.00	7,010.00	7,010.00	205.50	24.93	90.00	-5,635.97	-11,692.43	3,915.11	3,757.00	158.11	24.762		
15,000.00	7,001.00	7,010.00	7,010.00	207.70	24.93	90.00	-5,635.97	-11,692.43	3,815.82	3,657.01	158.80	24.029		
15,100.00	7,001.00	7,010.00	7,010.00	209.91	24.93	90.00	-5,635.97	-11,692.43	3,716.56	3,557.03	159.53	23.296		
15,200.00	7,001.00	7,010.00	7,010.00	212.14	24.93	90.00	-5,635.97	-11,692.43	3,617.35	3,457.04	160.30	22.566		
15,300.00	7,001.00	7,010.00	7,010.00	214.38	24.93	90.00	-5,635.97	-11,692.43	3,518.17	3,357.06	161.12	21.836		
15,400.00	7,001.00	7,010.00	7,010.00	216.64	24.93	90.00	-5,635.97	-11,692.43	3,419.05	3,257.08	161.98	21.108		
15,500.00	7,001.00	7,010.00	7,010.00	218.90	24.93	90.00	-5,635.97	-11,692.43	3,319.98	3,157.09	162.89	20.382		
15,600.00	7,001.00	7,010.00	7,010.00	221.18	24.93	90.00	-5,635.97	-11,692.43	3,220.97	3,057.11	163.86	19.657		
15,700.00	7,001.00	7,010.00	7,010.00	223.47	24.93	90.00	-5,635.97	-11,692.43	3,122.02	2,957.14	164.88	18.935		
15,800.00	7,001.00	7,010.00	7,010.00	225.78	24.93	90.00	-5,635.97	-11,692.43	3,023.14	2,857.16	165.98	18.214		
15,900.00	7,001.00	7,010.00	7,010.00	228.09	24.93	90.00	-5,635.97	-11,692.43	2,924.34	2,757.19	167.15	17.496		
16,000.00	7,001.00	7,010.00	7,010.00	230.41	24.93	90.00	-5,635.97	-11,692.43	2,825.62	2,657.22	168.40	16.780		
16,100.00	7,001.00	7,010.00	7,010.00	232.75	24.93	90.00	-5,635.97	-11,692.43	2,726.99	2,557.26	169.73	16.066		
16,200.00	7,001.00	7,010.00	7,010.00	235.09	24.93	90.00	-5,635.97	-11,692.43	2,628.47	2,457.30	171.17	15.356		
16,300.00	7,001.00	7,010.00	7,010.00	237.45	24.93	90.00	-5,635.97	-11,692.43	2,530.06	2,357.34	172.72	14.648		
16,400.00	7,001.00	7,010.00	7,010.00	239.81	24.93	90.00	-5,635.97	-11,692.43	2,431.78	2,257.39	174.39	13.944		
16,500.00	7,001.00	7,010.00	7,010.00	242.18	24.93	90.00	-5,635.97	-11,692.43	2,333.65	2,157.45	176.20	13.244		
16,600.00	7,001.00	7,010.00	7,010.00	244.56	24.93	90.00	-5,635.97	-11,692.43	2,235.69	2,057.52	178.17	12.548		
16,700.00	7,001.00	7,010.00	7,010.00	246.95	24.93	90.00	-5,635.97	-11,692.43	2,137.91	1,957.61	180.31	11.857		
16,800.00	7,001.00	7,010.00	7,010.00	249.35	24.93	90.00	-5,635.97	-11,692.43	2,040.35	1,857.70	182.65	11.171		
16,900.00	7,001.00	7,010.00	7,010.00	251.75	24.93	90.00	-5,635.97	-11,692.43	1,943.04	1,757.82	185.22	10.491		
17,000.00	7,001.00	7,010.00	7,010.00	254.17	24.93	90.00	-5,635.97	-11,692.43	1,846.01	1,657.97	188.05	9.817		
17,100.00	7,001.00	7,010.00	7,010.00	256.59	24.93	90.00	-5,635.97	-11,692.43	1,749.32	1,558.15	191.17	9.150		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
17,200.00	7,001.00	7,010.00	7,010.00	259.01	24.93	90.00	-5,635.97	-11,692.43	1,653.03	1,458.38	194.65	8.492		
17,300.00	7,001.00	7,010.00	7,010.00	261.45	24.93	90.00	-5,635.97	-11,692.43	1,557.20	1,358.67	198.53	7.844		
17,400.00	7,001.00	7,010.00	7,010.00	263.89	24.93	90.00	-5,635.97	-11,692.43	1,461.93	1,259.04	202.88	7.206		
17,500.00	7,001.00	7,010.00	7,010.00	266.34	24.93	90.00	-5,635.97	-11,692.43	1,367.33	1,159.54	207.79	6.580		
17,600.00	7,001.00	7,010.00	7,010.00	268.79	24.93	90.00	-5,635.97	-11,692.43	1,273.56	1,060.22	213.34	5.970		
17,700.00	7,001.00	7,010.00	7,010.00	271.25	24.93	90.00	-5,635.97	-11,692.43	1,180.81	961.14	219.67	5.375		
17,800.00	7,001.00	7,010.00	7,010.00	273.72	24.93	90.00	-5,635.97	-11,692.43	1,089.35	862.44	226.91	4.801		
17,900.00	7,001.00	7,010.00	7,010.00	276.19	24.93	90.00	-5,635.97	-11,692.43	999.53	764.31	235.21	4.249		
18,000.00	7,001.00	7,010.00	7,010.00	278.67	24.93	90.00	-5,635.97	-11,692.43	911.82	667.06	244.76	3.725		
18,100.00	7,001.00	7,010.00	7,010.00	281.15	24.93	90.00	-5,635.97	-11,692.43	826.91	571.21	255.70	3.234		
18,200.00	7,001.00	7,010.00	7,010.00	283.64	24.93	90.00	-5,635.97	-11,692.43	745.77	477.67	268.10	2.782		
18,300.00	7,001.00	7,010.00	7,010.00	286.15	24.93	90.00	-5,635.97	-11,692.43	671.23	389.13	282.10	2.379		
18,400.00	7,001.00	7,010.00	7,010.00	288.68	24.93	90.00	-5,635.97	-11,692.43	606.86	309.91	296.95	2.044		
18,500.00	7,001.00	7,010.00	7,010.00	291.24	24.93	90.00	-5,635.97	-11,692.43	555.66	245.35	310.30	1.791		
18,600.00	7,001.00	7,010.00	7,010.00	293.80	24.93	90.00	-5,635.97	-11,692.43	519.11	200.56	318.55	1.630		
18,700.00	7,001.00	7,010.00	7,010.00	296.36	24.93	90.00	-5,635.97	-11,692.43	500.19	182.20	317.99	1.573 ES, SF		
18,746.42	7,001.00	7,010.00	7,010.00	297.56	24.93	90.00	-5,635.97	-11,692.43	498.03	183.96	314.07	1.586 CC		
18,800.00	7,001.00	7,010.00	7,010.00	298.93	24.93	90.00	-5,635.97	-11,692.43	500.90	194.25	306.65	1.633		
18,900.00	7,001.00	7,010.00	7,010.00	301.50	24.93	90.00	-5,635.97	-11,692.43	521.17	235.20	285.98	1.822		
19,000.00	7,001.00	7,010.00	7,010.00	304.07	24.93	90.00	-5,635.97	-11,692.43	558.87	298.75	260.12	2.149		
19,100.00	7,001.00	7,010.00	7,010.00	306.65	24.93	90.00	-5,635.97	-11,692.43	610.78	377.37	233.41	2.617		
19,200.00	7,001.00	7,010.00	7,010.00	309.23	24.93	90.00	-5,635.97	-11,692.43	673.62	464.92	208.70	3.228		
19,300.00	7,001.00	7,010.00	7,010.00	311.81	24.93	90.00	-5,635.97	-11,692.43	744.64	557.41	187.23	3.977		
19,400.00	7,001.00	7,010.00	7,010.00	314.39	24.93	90.00	-5,635.97	-11,692.43	821.71	652.47	169.23	4.855		
19,500.00	7,001.00	7,010.00	7,010.00	316.97	24.93	90.00	-5,635.97	-11,692.43	903.28	748.84	154.44	5.849		
19,600.00	7,001.00	7,010.00	7,010.00	319.56	24.93	90.00	-5,635.97	-11,692.43	988.25	845.81	142.44	6.938		
19,700.00	7,001.00	7,010.00	7,010.00	322.15	24.93	90.00	-5,635.97	-11,692.43	1,075.80	943.04	132.77	8.103		
19,800.00	7,001.00	7,010.00	7,010.00	324.74	24.93	90.00	-5,635.97	-11,692.43	1,165.36	1,040.34	125.02	9.322		
19,900.00	7,001.00	7,010.00	7,010.00	327.33	24.93	90.00	-5,635.97	-11,692.43	1,256.44	1,137.61	118.83	10.573		
20,000.00	7,001.00	7,010.00	7,010.00	329.92	24.93	90.00	-5,635.97	-11,692.43	1,347.79	1,234.14	113.65	11.859		
20,100.00	7,001.00	7,010.00	7,010.00	332.49	24.93	90.00	-5,635.97	-11,692.43	1,438.96	1,329.67	109.29	13.166		
20,200.00	7,001.00	7,010.00	7,010.00	335.04	24.93	90.00	-5,635.97	-11,692.43	1,530.24	1,424.46	105.78	14.466		
20,300.00	7,001.00	7,010.00	7,010.00	337.60	24.93	90.00	-5,635.97	-11,692.43	1,622.50	1,519.33	103.17	15.726		
20,400.00	7,001.00	7,010.00	7,010.00	340.16	24.93	90.00	-5,635.97	-11,692.43	1,715.63	1,614.32	101.31	16.934		
20,500.00	7,001.00	7,010.00	7,010.00	342.72	24.93	90.00	-5,635.97	-11,692.43	1,809.49	1,709.45	100.04	18.087		
20,600.00	7,001.00	7,010.00	7,010.00	345.29	24.93	90.00	-5,635.97	-11,692.43	1,903.98	1,804.74	99.24	19.185		
20,700.00	7,001.00	7,010.00	7,010.00	347.86	24.93	90.00	-5,635.97	-11,692.43	1,999.00	1,900.19	98.81	20.231		
20,800.00	7,001.00	7,010.00	7,010.00	350.43	24.93	90.00	-5,635.97	-11,692.43	2,094.49	1,995.82	98.67	21.228		
20,900.00	7,001.00	7,010.00	7,010.00	353.00	24.93	90.00	-5,635.97	-11,692.43	2,190.38	2,091.64	98.74	22.183		
21,000.00	7,001.00	7,010.00	7,010.00	355.58	24.93	90.00	-5,635.97	-11,692.43	2,286.62	2,187.64	98.98	23.101		
21,100.00	7,001.00	7,010.00	7,010.00	358.16	24.93	90.00	-5,635.97	-11,692.43	2,383.17	2,283.82	99.35	23.988		
21,121.77	7,001.00	7,010.00	7,010.00	358.72	24.93	90.00	-5,635.97	-11,692.43	2,404.23	2,304.78	99.44	24.177		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
2,800.00	2,494.55	733.00	729.02	20.39	2.54	41.65	-5,644.35	-9,069.90	10,001.30	9,983.89	17.41	574.372		
2,900.00	2,557.49	733.00	729.02	21.78	2.54	42.37	-5,644.35	-9,069.90	9,951.16	9,932.83	18.33	542.992		
3,000.00	2,619.27	733.00	729.02	23.18	2.54	42.37	-5,644.35	-9,069.90	9,900.81	9,881.55	19.26	514.101		
3,100.00	2,681.04	733.00	729.02	24.60	2.54	42.37	-5,644.35	-9,069.90	9,851.22	9,831.02	20.21	487.509		
3,200.00	2,742.82	772.85	767.84	26.02	2.74	42.54	-5,644.04	-9,078.89	9,802.02	9,780.68	21.34	459.385		
3,300.00	2,804.59	787.09	781.68	27.44	2.81	42.60	-5,643.96	-9,082.25	9,753.65	9,731.28	22.38	435.898		
3,400.00	2,866.37	827.00	820.36	28.87	3.01	42.77	-5,643.81	-9,092.07	9,706.14	9,682.60	23.54	412.394		
3,500.00	2,928.15	827.00	820.36	30.30	3.01	42.77	-5,643.81	-9,092.07	9,659.03	9,634.49	24.54	393.555		
3,600.00	2,989.92	827.00	820.36	31.73	3.01	42.77	-5,643.81	-9,092.07	9,612.73	9,587.17	25.56	376.052		
3,700.00	3,051.70	827.00	820.36	33.17	3.01	42.77	-5,643.81	-9,092.07	9,567.26	9,540.67	26.59	359.764		
3,800.00	3,113.47	827.00	820.36	34.61	3.01	42.77	-5,643.81	-9,092.07	9,522.62	9,494.98	27.64	344.582		
3,900.00	3,175.25	876.94	868.55	36.05	3.28	42.98	-5,643.81	-9,105.17	9,478.24	9,449.33	28.91	327.838		
4,000.00	3,237.03	921.00	910.87	37.49	3.51	43.18	-5,644.00	-9,117.42	9,435.07	9,404.89	30.17	312.712		
4,100.00	3,298.80	921.00	910.87	38.93	3.51	43.18	-5,644.00	-9,117.42	9,392.30	9,361.06	31.25	300.586		
4,200.00	3,360.58	921.00	910.87	40.37	3.51	43.18	-5,644.00	-9,117.42	9,350.41	9,318.08	32.33	289.211		
4,300.00	3,422.35	958.52	946.79	41.82	3.73	43.34	-5,644.22	-9,128.24	9,309.24	9,275.63	33.61	276.987		
4,400.00	3,484.13	1,014.00	999.80	43.27	4.05	43.58	-5,644.51	-9,144.61	9,268.81	9,233.84	34.97	265.076		
4,500.00	3,545.90	1,036.92	1,021.68	44.72	4.19	43.69	-5,644.61	-9,151.45	9,228.89	9,192.70	36.19	255.031		
4,600.00	3,607.68	1,138.50	1,118.69	46.16	4.80	44.14	-5,645.00	-9,181.59	9,189.35	9,151.54	37.81	243.018		
4,700.00	3,669.46	1,192.20	1,169.98	47.61	5.14	44.38	-5,645.29	-9,197.47	9,150.18	9,110.98	39.21	233.376		
4,800.00	3,731.23	1,258.23	1,233.06	49.06	5.54	44.67	-5,645.81	-9,216.98	9,111.46	9,070.78	40.68	223.980		
4,900.00	3,793.01	1,335.23	1,306.66	50.52	6.02	45.02	-5,646.66	-9,239.61	9,073.12	9,030.90	42.22	214.917		
5,000.00	3,854.78	1,735.10	1,691.00	51.97	8.43	46.83	-5,649.70	-9,349.81	9,033.72	8,988.38	45.34	199.227		
5,100.00	3,916.56	1,794.60	1,748.48	53.42	8.77	47.10	-5,650.05	-9,365.18	8,993.67	8,946.85	46.82	192.094		
5,200.00	3,978.34	1,861.00	1,812.64	54.87	9.16	47.40	-5,650.87	-9,382.26	8,954.09	8,905.76	48.34	185.240		
5,300.00	4,040.11	1,933.39	1,882.60	56.32	9.58	47.74	-5,651.97	-9,400.80	8,914.93	8,865.04	49.89	178.676		
5,400.00	4,101.89	1,985.00	1,932.50	57.78	9.87	47.97	-5,652.72	-9,413.98	8,876.13	8,824.77	51.36	172.809		
5,500.00	4,163.66	2,043.32	1,988.86	59.23	10.21	48.24	-5,653.66	-9,428.94	8,837.85	8,784.98	52.88	167.142		
5,600.00	4,225.44	2,110.00	2,053.24	60.69	10.60	48.55	-5,655.02	-9,446.25	8,800.28	8,745.84	54.44	161.652		
5,700.00	4,287.21	2,131.59	2,074.06	62.14	10.73	48.65	-5,655.49	-9,451.91	8,763.23	8,707.43	55.80	157.057		
5,800.00	4,348.99	2,178.76	2,119.54	63.60	11.01	48.87	-5,656.34	-9,464.41	8,726.85	8,669.56	57.29	152.330		
5,900.00	4,410.77	2,235.00	2,173.69	65.05	11.35	49.13	-5,657.06	-9,479.58	8,691.10	8,632.26	58.84	147.711		
6,000.00	4,472.54	2,272.38	2,209.66	66.51	11.57	49.31	-5,657.48	-9,489.78	8,655.97	8,595.66	60.31	143.536		
6,100.00	4,534.32	2,319.55	2,255.01	67.96	11.86	49.54	-5,658.12	-9,502.72	8,621.48	8,559.65	61.83	139.436		
6,200.00	4,596.09	2,360.00	2,293.88	69.42	12.10	49.73	-5,658.79	-9,513.88	8,587.64	8,524.30	63.33	135.598		
6,300.00	4,657.87	2,424.06	2,355.39	70.88	12.50	50.03	-5,659.71	-9,531.73	8,554.39	8,489.42	64.97	131.672		
6,400.00	4,719.64	2,485.00	2,413.86	72.33	12.87	50.33	-5,660.18	-9,548.93	8,521.74	8,455.14	66.60	127.955		
6,500.00	4,781.42	2,522.47	2,449.77	73.79	13.11	50.51	-5,660.33	-9,559.63	8,489.73	8,421.61	68.12	124.632		
6,600.00	4,843.20	2,564.34	2,489.86	75.25	13.37	50.71	-5,660.46	-9,571.71	8,458.44	8,388.77	69.67	121.407		
6,700.00	4,904.97	2,610.00	2,533.52	76.71	13.66	50.94	-5,660.57	-9,585.06	8,427.89	8,356.63	71.25	118.283		
6,800.00	4,966.75	2,652.86	2,574.48	78.16	13.94	51.15	-5,660.72	-9,597.69	8,398.04	8,325.22	72.83	115.315		
6,900.00	5,028.52	2,700.34	2,619.82	79.62	14.24	51.38	-5,661.04	-9,611.78	8,368.90	8,294.46	74.44	112.431		
7,000.00	5,090.30	2,735.00	2,652.90	81.08	14.46	51.55	-5,661.37	-9,622.11	8,340.47	8,264.49	75.98	109.773		
7,100.00	5,152.08	2,795.37	2,710.48	82.54	14.86	51.85	-5,662.22	-9,640.21	8,312.71	8,235.04	77.68	107.016		
7,200.00	5,213.85	2,931.19	2,840.14	83.99	15.73	52.51	-5,665.07	-9,680.55	8,285.40	8,205.59	79.82	103.806		
7,300.00	5,275.63	3,062.93	2,966.30	85.45	16.56	53.16	-5,667.58	-9,718.41	8,257.73	8,175.79	81.94	100.777		
7,400.00	5,337.40	3,393.36	3,284.31	86.91	18.56	54.81	-5,671.62	-9,807.93	8,229.32	8,144.15	85.17	96.622		
7,500.00	5,399.18	3,432.14	3,321.78	88.37	18.78	55.00	-5,672.40	-9,817.87	8,200.62	8,113.82	86.80	94.478		
7,600.00	5,460.95	3,484.00	3,371.84	89.83	19.09	55.26	-5,673.45	-9,831.39	8,172.73	8,084.23	88.51	92.341		
7,700.00	5,522.73	3,541.16	3,426.98	91.29	19.43	55.55	-5,674.45	-9,846.41	8,145.52	8,055.27	90.25	90.252		
7,800.00	5,584.51	3,655.84	3,537.66	92.75	20.10	56.14	-5,675.56	-9,876.41	8,118.73	8,026.40	92.33	87.929		
7,900.00	5,646.28	3,734.00	3,613.21	94.20	20.56	56.54	-5,675.44	-9,896.44	8,091.95	7,997.72	94.23	85.879		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
8,000.00	5,708.06	3,784.56	3,662.07	95.66	20.86	56.80	-5,675.26	-9,909.44	8,065.86	7,969.88	95.97	84.044		
8,100.00	5,769.83	3,815.41	3,691.84	97.12	21.04	56.96	-5,675.27	-9,917.54	8,040.71	7,943.10	97.61	82.375		
8,200.00	5,831.61	3,859.00	3,733.84	98.58	21.30	57.19	-5,675.46	-9,929.21	8,016.50	7,917.17	99.33	80.706		
8,300.00	5,893.39	3,859.00	3,733.84	100.04	21.30	57.19	-5,675.46	-9,929.21	7,993.20	7,892.41	100.79	79.304		
8,400.00	5,955.16	3,859.00	3,733.84	101.50	21.30	57.19	-5,675.46	-9,929.21	7,971.08	7,868.83	102.25	77.956		
8,500.00	6,016.94	3,916.48	3,789.05	102.96	21.66	57.49	-5,675.92	-9,945.17	7,949.51	7,845.45	104.07	76.387		
8,600.00	6,078.71	3,938.76	3,810.39	104.42	21.80	57.60	-5,676.15	-9,951.59	7,929.20	7,823.53	105.67	75.039		
8,700.00	6,140.49	3,984.00	3,853.59	105.88	22.08	57.84	-5,676.68	-9,965.00	7,910.01	7,802.59	107.42	73.639		
8,800.00	6,202.26	3,984.00	3,853.59	107.34	22.08	57.84	-5,676.68	-9,965.00	7,891.63	7,782.75	108.87	72.486		
8,900.00	6,264.04	4,025.57	3,893.19	108.80	22.36	58.05	-5,677.29	-9,977.62	7,874.29	7,763.69	110.60	71.196		
9,000.00	6,325.82	4,068.09	3,933.66	110.26	22.64	58.27	-5,678.06	-9,990.67	7,857.81	7,745.47	112.34	69.947		
9,100.00	6,387.59	6,434.76	6,253.54	111.72	33.50	71.32	-5,667.29	-10,390.90	7,838.05	7,713.07	124.99	62.712		
9,200.00	6,449.37	6,518.07	6,336.83	113.18	33.72	71.81	-5,666.73	-10,392.60	7,803.55	7,676.59	126.96	61.465		
9,300.00	6,511.14	6,590.84	6,409.58	114.64	33.91	72.24	-5,666.20	-10,393.94	7,769.57	7,640.65	128.92	60.267		
9,400.00	6,572.92	6,672.04	6,490.77	116.10	34.13	72.72	-5,665.55	-10,395.30	7,736.13	7,605.22	130.91	59.097		
9,500.00	6,634.70	6,755.70	6,574.42	117.56	34.34	73.22	-5,664.87	-10,396.46	7,703.17	7,570.27	132.91	57.960		
9,600.00	6,696.47	6,840.08	6,658.80	119.02	34.56	73.72	-5,664.29	-10,397.39	7,670.70	7,535.79	134.91	56.857		
9,700.00	6,758.22	6,929.43	6,748.14	120.48	34.79	73.43	-5,663.84	-10,398.08	7,638.61	7,501.67	136.93	55.783		
9,800.00	6,817.23	7,004.53	6,823.24	122.00	34.98	73.12	-5,663.55	-10,398.43	7,597.20	7,458.31	138.90	54.696		
9,900.00	6,870.40	7,056.34	6,875.05	123.58	35.11	73.63	-5,663.37	-10,398.63	7,541.17	7,400.46	140.71	53.592		
10,000.00	6,916.13	7,101.02	6,919.72	125.16	35.23	74.13	-5,663.22	-10,398.81	7,472.08	7,329.73	142.35	52.491		
10,100.00	6,953.01	7,142.25	6,960.95	126.69	35.33	74.63	-5,663.13	-10,398.98	7,391.84	7,248.09	143.74	51.423		
10,200.00	6,979.94	7,173.28	6,991.98	128.11	35.41	75.13	-5,663.14	-10,399.09	7,302.68	7,157.84	144.84	50.421		
10,300.00	6,996.09	7,192.06	7,010.77	129.37	35.46	75.63	-5,663.16	-10,399.15	7,207.17	7,061.60	145.57	49.510		
10,400.00	7,001.00	7,198.01	7,016.72	130.45	35.47	76.13	-5,663.18	-10,399.17	7,108.11	6,962.20	145.92	48.714		
10,500.00	7,001.00	7,198.35	7,017.06	131.44	35.47	76.63	-5,663.18	-10,399.17	7,008.30	6,862.21	146.09	47.972		
10,600.00	7,001.00	7,198.69	7,017.40	132.48	35.47	77.13	-5,663.18	-10,399.17	6,908.49	6,762.22	146.27	47.230		
10,700.00	7,001.00	7,199.03	7,017.74	133.54	35.47	77.63	-5,663.18	-10,399.17	6,808.69	6,662.24	146.46	46.489		
10,800.00	7,001.00	7,199.37	7,018.08	134.64	35.47	78.13	-5,663.18	-10,399.17	6,708.90	6,562.25	146.65	45.748		
10,900.00	7,001.00	7,199.71	7,018.42	135.77	35.48	78.63	-5,663.18	-10,399.17	6,609.11	6,462.27	146.85	45.007		
11,000.00	7,001.00	7,200.05	7,018.75	136.94	35.48	79.13	-5,663.18	-10,399.17	6,509.33	6,362.28	147.05	44.266		
11,100.00	7,001.00	7,200.38	7,019.09	138.14	35.48	79.63	-5,663.18	-10,399.17	6,409.56	6,262.30	147.26	43.526		
11,200.00	7,001.00	7,200.72	7,019.42	139.38	35.48	80.13	-5,663.18	-10,399.18	6,309.79	6,162.31	147.48	42.785		
11,300.00	7,001.00	7,201.05	7,019.76	140.65	35.48	80.63	-5,663.19	-10,399.18	6,210.03	6,062.33	147.70	42.045		
11,400.00	7,001.00	7,201.38	7,020.09	141.95	35.48	81.13	-5,663.19	-10,399.18	6,110.28	5,962.35	147.93	41.306		
11,500.00	7,001.00	7,201.72	7,020.42	143.29	35.48	81.63	-5,663.19	-10,399.18	6,010.53	5,862.37	148.17	40.566		
11,600.00	7,001.00	7,202.05	7,020.75	144.66	35.48	82.13	-5,663.19	-10,399.18	5,910.80	5,762.39	148.41	39.827		
11,700.00	7,001.00	7,202.38	7,021.08	146.06	35.48	82.63	-5,663.19	-10,399.18	5,811.07	5,662.41	148.67	39.088		
11,800.00	7,001.00	7,202.71	7,021.41	147.50	35.48	83.13	-5,663.19	-10,399.18	5,711.35	5,562.43	148.93	38.350		
11,900.00	7,001.00	7,203.03	7,021.74	148.97	35.48	83.63	-5,663.19	-10,399.18	5,611.65	5,462.45	149.20	37.611		
12,000.00	7,001.00	7,203.36	7,022.07	150.47	35.48	84.13	-5,663.19	-10,399.18	5,511.95	5,362.47	149.48	36.874		
12,100.00	7,001.00	7,203.69	7,022.39	152.00	35.49	84.63	-5,663.19	-10,399.18	5,412.27	5,262.49	149.77	36.136		
12,200.00	7,001.00	7,204.01	7,022.72	153.57	35.49	85.13	-5,663.19	-10,399.19	5,312.59	5,162.52	150.08	35.399		
12,300.00	7,001.00	7,204.34	7,023.04	155.16	35.49	85.63	-5,663.19	-10,399.19	5,212.93	5,062.54	150.39	34.662		
12,400.00	7,001.00	7,204.66	7,023.36	156.79	35.49	86.13	-5,663.20	-10,399.19	5,113.29	4,962.57	150.72	33.926		
12,500.00	7,001.00	7,204.98	7,023.69	158.44	35.49	86.63	-5,663.20	-10,399.19	5,013.65	4,862.60	151.06	33.190		
12,600.00	7,001.00	7,205.30	7,024.01	160.13	35.49	87.13	-5,663.20	-10,399.19	4,914.03	4,762.62	151.41	32.455		
12,700.00	7,001.00	7,205.62	7,024.33	161.84	35.49	87.63	-5,663.20	-10,399.19	4,814.43	4,662.65	151.78	31.720		
12,800.00	7,001.00	7,205.94	7,024.65	163.58	35.49	88.13	-5,663.20	-10,399.19	4,714.85	4,562.69	152.16	30.986		
12,900.00	7,001.00	7,206.26	7,024.97	165.35	35.49	88.63	-5,663.20	-10,399.19	4,615.28	4,462.72	152.56	30.252		
13,000.00	7,001.00	7,206.58	7,025.28	167.14	35.49	89.13	-5,663.20	-10,399.19	4,515.73	4,362.75	152.98	29.519		
13,100.00	7,001.00	7,206.89	7,025.60	168.97	35.49	89.63	-5,663.20	-10,399.19	4,416.20	4,262.79	153.41	28.787		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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-MWDD												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	7,207.21	7,025.92	170.81	35.49	88.53	-5,663.20	-10,399.19	4,316.69	4,162.83	153.86	28.055	
13,300.00	7,001.00	7,207.53	7,026.23	172.68	35.50	88.58	-5,663.20	-10,399.20	4,217.21	4,062.87	154.34	27.324	
13,400.00	7,001.00	7,207.84	7,026.54	174.58	35.50	88.62	-5,663.21	-10,399.20	4,117.75	3,962.91	154.84	26.594	
13,500.00	7,001.00	7,208.15	7,026.86	176.50	35.50	88.66	-5,663.21	-10,399.20	4,018.32	3,862.96	155.36	25.864	
13,600.00	7,001.00	7,208.46	7,027.17	178.44	35.50	88.70	-5,663.21	-10,399.20	3,918.92	3,763.01	155.91	25.135	
13,700.00	7,001.00	7,208.78	7,027.48	180.41	35.50	88.74	-5,663.21	-10,399.20	3,819.55	3,663.06	156.49	24.408	
13,800.00	7,001.00	7,209.09	7,027.79	182.39	35.50	88.78	-5,663.21	-10,399.20	3,720.21	3,563.11	157.10	23.681	
13,900.00	7,001.00	7,209.39	7,028.10	184.40	35.50	88.82	-5,663.21	-10,399.20	3,620.91	3,463.17	157.74	22.955	
14,000.00	7,001.00	7,209.70	7,028.41	186.43	35.50	88.86	-5,663.21	-10,399.20	3,521.65	3,363.23	158.42	22.230	
14,100.00	7,001.00	7,210.01	7,028.72	188.48	35.50	88.90	-5,663.21	-10,399.20	3,422.43	3,263.29	159.13	21.507	
14,200.00	7,001.00	7,210.32	7,029.02	190.54	35.50	88.94	-5,663.21	-10,399.20	3,323.25	3,163.36	159.89	20.784	
14,300.00	7,001.00	7,210.62	7,029.33	192.63	35.50	88.99	-5,663.21	-10,399.20	3,224.13	3,063.44	160.70	20.063	
14,400.00	7,001.00	7,210.93	7,029.63	194.73	35.50	89.03	-5,663.21	-10,399.21	3,125.07	2,963.52	161.55	19.344	
14,500.00	7,001.00	7,211.23	7,029.94	196.85	35.50	89.07	-5,663.22	-10,399.21	3,026.07	2,863.60	162.46	18.626	
14,600.00	7,001.00	7,211.54	7,030.24	198.99	35.51	89.11	-5,663.22	-10,399.21	2,927.13	2,763.69	163.44	17.910	
14,700.00	7,001.00	7,211.84	7,030.54	201.14	35.51	89.15	-5,663.22	-10,399.21	2,828.27	2,663.79	164.48	17.196	
14,800.00	7,001.00	7,212.14	7,030.84	203.31	35.51	89.19	-5,663.22	-10,399.21	2,729.49	2,563.90	165.59	16.483	
14,900.00	7,001.00	7,212.44	7,031.15	205.50	35.51	89.23	-5,663.22	-10,399.21	2,630.81	2,464.02	166.79	15.773	
15,000.00	7,001.00	7,212.74	7,031.45	207.70	35.51	89.27	-5,663.22	-10,399.21	2,532.22	2,364.15	168.08	15.066	
15,100.00	7,001.00	7,213.04	7,031.74	209.91	35.51	89.30	-5,663.22	-10,399.21	2,433.76	2,264.29	169.47	14.361	
15,200.00	7,001.00	7,213.34	7,032.04	212.14	35.51	89.34	-5,663.22	-10,399.21	2,335.42	2,164.45	170.97	13.660	
15,300.00	7,001.00	7,213.63	7,032.34	214.38	35.51	89.38	-5,663.22	-10,399.21	2,237.23	2,064.62	172.61	12.961	
15,400.00	7,001.00	7,213.93	7,032.64	216.64	35.51	89.42	-5,663.23	-10,399.21	2,139.21	1,964.81	174.39	12.266	
15,500.00	7,001.00	7,214.23	7,032.93	218.90	35.51	89.46	-5,663.23	-10,399.21	2,041.38	1,865.03	176.35	11.576	
15,600.00	7,001.00	7,214.52	7,033.23	221.18	35.51	89.50	-5,663.23	-10,399.22	1,943.77	1,765.28	178.49	10.890	
15,700.00	7,001.00	7,214.81	7,033.52	223.47	35.51	89.54	-5,663.23	-10,399.22	1,846.42	1,665.57	180.85	10.210	
15,800.00	7,001.00	7,215.11	7,033.81	225.78	35.51	89.58	-5,663.23	-10,399.22	1,749.36	1,565.90	183.47	9.535	
15,900.00	7,001.00	7,215.40	7,034.11	228.09	35.51	89.62	-5,663.23	-10,399.22	1,652.66	1,466.29	186.37	8.867	
16,000.00	7,001.00	7,215.69	7,034.40	230.41	35.52	89.66	-5,663.23	-10,399.22	1,556.37	1,366.75	189.63	8.208	
16,100.00	7,001.00	7,215.98	7,034.69	232.75	35.52	89.69	-5,663.23	-10,399.22	1,460.59	1,267.31	193.28	7.557	
16,200.00	7,001.00	7,216.27	7,034.98	235.09	35.52	89.73	-5,663.23	-10,399.22	1,365.40	1,168.00	197.41	6.917	
16,300.00	7,001.00	7,216.56	7,035.27	237.45	35.52	89.77	-5,663.23	-10,399.22	1,270.96	1,068.86	202.10	6.289	
16,400.00	7,001.00	7,216.85	7,035.55	239.81	35.52	89.81	-5,663.24	-10,399.22	1,177.44	969.98	207.46	5.676	
16,500.00	7,001.00	7,217.14	7,035.84	242.18	35.52	89.85	-5,663.24	-10,399.22	1,085.07	871.45	213.62	5.079	
16,600.00	7,001.00	7,217.42	7,036.13	244.56	35.52	89.88	-5,663.24	-10,399.22	994.17	773.44	220.73	4.504	
16,700.00	7,001.00	7,217.71	7,036.41	246.95	35.52	89.92	-5,663.24	-10,399.22	905.20	676.24	228.96	3.953	
16,800.00	7,001.00	7,217.99	7,036.70	249.35	35.52	89.96	-5,663.24	-10,399.23	818.78	580.30	238.49	3.433	
16,900.00	7,001.00	7,218.28	7,036.98	251.75	35.52	90.00	-5,663.24	-10,399.23	735.81	486.39	249.42	2.950	
17,000.00	7,001.00	7,218.56	7,037.27	254.17	35.52	90.04	-5,663.24	-10,399.23	657.60	395.91	261.68	2.513	
17,100.00	7,001.00	7,218.84	7,037.55	256.59	35.52	90.07	-5,663.24	-10,399.23	586.04	311.29	274.75	2.133	
17,200.00	7,001.00	7,219.13	7,037.83	259.01	35.52	90.11	-5,663.24	-10,399.23	523.89	236.75	287.14	1.825	
17,300.00	7,001.00	7,219.41	7,038.11	261.45	35.52	90.15	-5,663.24	-10,399.23	474.84	179.10	295.74	1.606	
17,400.00	7,001.00	7,219.69	7,038.39	263.89	35.53	90.18	-5,663.25	-10,399.23	443.26	147.39	295.87	1.498	Level 3, ES, SF
17,494.94	7,001.00	7,219.95	7,038.66	266.21	35.53	90.22	-5,663.25	-10,399.23	432.97	148.60	284.38	1.523	CC
17,500.00	7,001.00	7,219.97	7,038.67	266.34	35.53	90.22	-5,663.25	-10,399.23	433.00	149.58	283.42	1.528	
17,600.00	7,001.00	7,220.25	7,038.95	268.79	35.53	90.26	-5,663.25	-10,399.23	445.54	186.78	258.75	1.722	
17,700.00	7,001.00	7,220.52	7,039.23	271.25	35.53	90.30	-5,663.25	-10,399.23	479.08	251.67	227.41	2.107	
17,800.00	7,001.00	7,220.80	7,039.51	273.72	35.53	90.33	-5,663.25	-10,399.23	529.65	333.63	196.02	2.702	
17,900.00	7,001.00	7,221.08	7,039.78	276.19	35.53	90.37	-5,663.25	-10,399.23	592.91	424.19	168.72	3.514	
18,000.00	7,001.00	7,221.35	7,040.06	278.67	35.53	90.40	-5,663.25	-10,399.23	665.24	518.35	146.89	4.529	
18,100.00	7,001.00	7,221.63	7,040.33	281.15	35.53	90.44	-5,663.25	-10,399.24	744.02	613.63	130.39	5.706	
18,200.00	7,001.00	7,221.90	7,040.61	283.64	35.53	90.48	-5,663.25	-10,399.24	827.40	708.94	118.46	6.985	

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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	
18,300.00	7,001.00	7,222.19	7,040.89	286.15	35.53	90.55	-5,663.26	-10,399.24	915.11	804.63	110.48	8.283	
18,400.00	7,001.00	7,222.48	7,041.19	288.68	35.53	90.64	-5,663.26	-10,399.24	1,006.52	901.01	105.51	9.539	
18,500.00	7,001.00	7,222.79	7,041.49	291.24	35.53	90.71	-5,663.26	-10,399.24	1,100.39	997.89	102.50	10.736	
18,600.00	7,001.00	7,223.09	7,041.80	293.80	35.53	90.76	-5,663.26	-10,399.24	1,195.32	1,094.70	100.63	11.879	
18,700.00	7,001.00	7,223.40	7,042.10	296.36	35.53	90.81	-5,663.26	-10,399.24	1,291.02	1,191.48	99.54	12.970	
18,800.00	7,001.00	7,223.70	7,042.41	298.93	35.54	90.86	-5,663.26	-10,399.24	1,387.33	1,288.33	99.00	14.014	
18,900.00	7,001.00	7,224.01	7,042.71	301.50	35.54	90.91	-5,663.26	-10,399.24	1,484.12	1,385.30	98.83	15.018	
19,000.00	7,001.00	7,224.31	7,043.02	304.07	35.54	90.96	-5,663.26	-10,399.24	1,581.32	1,482.40	98.91	15.987	
19,100.00	7,001.00	7,224.61	7,043.32	306.65	35.54	91.00	-5,663.27	-10,399.24	1,678.84	1,579.67	99.17	16.929	
19,200.00	7,001.00	7,224.92	7,043.62	309.23	35.54	91.05	-5,663.27	-10,399.24	1,776.64	1,677.09	99.54	17.848	
19,300.00	7,001.00	7,225.22	7,043.92	311.81	35.54	91.10	-5,663.27	-10,399.24	1,874.67	1,774.68	99.99	18.748	
19,400.00	7,001.00	7,225.52	7,044.23	314.39	35.54	91.15	-5,663.27	-10,399.25	1,972.90	1,872.41	100.49	19.634	
19,500.00	7,001.00	7,225.82	7,044.53	316.97	35.54	91.20	-5,663.27	-10,399.25	2,071.29	1,970.29	101.00	20.507	
19,600.00	7,001.00	7,226.12	7,044.83	319.56	35.54	91.24	-5,663.27	-10,399.25	2,169.84	2,068.30	101.54	21.370	
19,700.00	7,001.00	7,226.42	7,045.13	322.15	35.54	91.29	-5,663.27	-10,399.25	2,268.51	2,166.44	102.07	22.225	
19,800.00	7,001.00	7,226.72	7,045.43	324.74	35.54	91.34	-5,663.27	-10,399.25	2,367.29	2,264.70	102.60	23.073	
19,900.00	7,001.00	7,227.02	7,045.73	327.33	35.54	91.30	-5,663.28	-10,399.25	2,466.15	2,363.03	103.12	23.915	
20,000.00	7,001.00	7,227.31	7,046.02	329.92	35.54	91.10	-5,663.28	-10,399.25	2,564.70	2,460.98	103.72	24.727	
20,100.00	7,001.00	7,227.58	7,046.29	332.49	35.55	90.95	-5,663.28	-10,399.25	2,662.74	2,558.31	104.43	25.498	
20,200.00	7,001.00	7,227.85	7,046.55	335.04	35.55	90.93	-5,663.28	-10,399.25	2,760.41	2,655.20	105.21	26.237	
20,300.00	7,001.00	7,228.11	7,046.81	337.60	35.55	90.96	-5,663.28	-10,399.25	2,858.21	2,752.23	105.99	26.968	
20,400.00	7,001.00	7,228.36	7,047.07	340.16	35.55	90.99	-5,663.28	-10,399.25	2,956.16	2,849.42	106.74	27.694	
20,500.00	7,001.00	7,228.62	7,047.33	342.72	35.55	91.01	-5,663.28	-10,399.25	3,054.25	2,946.76	107.48	28.416	
20,600.00	7,001.00	7,228.88	7,047.59	345.29	35.55	91.04	-5,663.28	-10,399.25	3,152.45	3,044.25	108.20	29.134	
20,700.00	7,001.00	7,229.14	7,047.84	347.86	35.55	91.06	-5,663.28	-10,399.25	3,250.77	3,141.86	108.90	29.850	
20,800.00	7,001.00	7,229.39	7,048.10	350.43	35.55	91.09	-5,663.29	-10,399.26	3,349.18	3,239.60	109.58	30.564	
20,900.00	7,001.00	7,229.65	7,048.36	353.00	35.55	91.11	-5,663.29	-10,399.26	3,447.68	3,337.45	110.23	31.276	
21,000.00	7,001.00	7,229.90	7,048.61	355.58	35.55	91.14	-5,663.29	-10,399.26	3,546.27	3,435.40	110.87	31.986	
21,100.00	7,001.00	7,230.16	7,048.86	358.16	35.55	91.16	-5,663.29	-10,399.26	3,644.94	3,533.46	111.48	32.695	
21,121.77	7,001.00	7,230.21	7,048.92	358.72	35.55	91.17	-5,663.29	-10,399.26	3,666.43	3,554.82	111.61	32.850	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
2,800.00	2,494.55	856.00	852.39	20.39	2.97	41.80	-5,685.40	-9,045.09	9,977.73	9,959.96	17.77	561.497		
2,900.00	2,557.49	856.00	852.39	21.78	2.97	42.54	-5,685.40	-9,045.09	9,926.47	9,907.79	18.68	531.380		
3,000.00	2,619.27	856.00	852.39	23.18	2.97	42.54	-5,685.40	-9,045.09	9,875.00	9,855.40	19.61	503.588		
3,100.00	2,681.04	856.00	852.39	24.60	2.97	42.54	-5,685.40	-9,045.09	9,824.29	9,803.74	20.56	477.950		
3,200.00	2,742.82	856.00	852.39	26.02	2.97	42.54	-5,685.40	-9,045.09	9,774.34	9,752.82	21.52	454.267		
3,300.00	2,804.59	856.00	852.39	27.44	2.97	42.54	-5,685.40	-9,045.09	9,725.15	9,702.66	22.49	432.360		
3,400.00	2,866.37	917.48	912.57	28.87	3.27	42.74	-5,694.37	-9,053.89	9,675.87	9,652.15	23.72	407.951		
3,500.00	2,928.15	981.00	974.41	30.30	3.57	42.95	-5,704.75	-9,064.00	9,628.22	9,603.26	24.96	385.748		
3,600.00	2,989.92	981.00	974.41	31.73	3.57	42.95	-5,704.75	-9,064.00	9,580.42	9,554.44	25.98	368.807		
3,700.00	3,051.70	981.00	974.41	33.17	3.57	42.95	-5,704.75	-9,064.00	9,533.43	9,506.43	27.01	353.015		
3,800.00	3,113.47	981.00	974.41	34.61	3.57	42.95	-5,704.75	-9,064.00	9,487.27	9,459.22	28.05	338.272		
3,900.00	3,175.25	1,026.43	1,018.48	36.05	3.80	43.10	-5,712.69	-9,071.69	9,441.69	9,412.41	29.28	322.466		
4,000.00	3,237.03	1,062.09	1,053.02	37.49	3.99	43.22	-5,719.07	-9,077.85	9,396.68	9,366.20	30.48	308.308		
4,100.00	3,298.80	1,108.00	1,097.42	38.93	4.22	43.37	-5,727.46	-9,085.95	9,352.22	9,320.49	31.73	294.699		
4,200.00	3,360.58	1,201.00	1,187.29	40.37	4.72	43.67	-5,745.01	-9,102.18	9,308.10	9,274.91	33.19	280.412		
4,300.00	3,422.35	1,233.00	1,218.22	41.82	4.90	43.77	-5,751.20	-9,107.60	9,264.10	9,229.68	34.42	269.146		
4,400.00	3,484.13	1,291.34	1,274.55	43.27	5.22	43.96	-5,762.55	-9,117.68	9,220.50	9,184.74	35.77	257.798		
4,500.00	3,545.90	1,358.00	1,338.79	44.72	5.59	44.18	-5,775.51	-9,129.88	9,177.72	9,140.57	37.16	246.985		
4,600.00	3,607.68	1,358.00	1,338.79	46.16	5.59	44.18	-5,775.51	-9,129.88	9,135.26	9,096.97	38.29	238.601		
4,700.00	3,669.46	1,358.00	1,338.79	47.61	5.59	44.18	-5,775.51	-9,129.88	9,093.70	9,054.27	39.42	230.670		
4,800.00	3,731.23	1,358.00	1,338.79	49.06	5.59	44.18	-5,775.51	-9,129.88	9,053.05	9,012.48	40.57	223.163		
4,900.00	3,793.01	1,407.91	1,386.73	50.52	5.88	44.35	-5,785.22	-9,139.83	9,012.66	8,970.73	41.93	214.925		
5,000.00	3,854.78	1,424.64	1,402.74	51.97	5.98	44.40	-5,788.49	-9,143.41	8,973.36	8,930.19	43.17	207.872		
5,100.00	3,916.56	1,483.00	1,458.37	53.42	6.33	44.60	-5,799.91	-9,156.86	8,935.31	8,890.72	44.59	200.373		
5,200.00	3,978.34	1,483.00	1,458.37	54.87	6.33	44.60	-5,799.91	-9,156.86	8,897.31	8,851.53	45.77	194.386		
5,300.00	4,040.11	1,483.00	1,458.37	56.32	6.33	44.60	-5,799.91	-9,156.86	8,860.27	8,813.31	46.96	188.694		
5,400.00	4,101.89	1,483.00	1,458.37	57.78	6.33	44.60	-5,799.91	-9,156.86	8,824.21	8,776.06	48.15	183.280		
5,500.00	4,163.66	1,526.50	1,499.62	59.23	6.60	44.75	-5,808.64	-9,167.56	8,788.83	8,739.28	49.55	177.384		
5,600.00	4,225.44	1,555.11	1,526.66	60.69	6.79	44.85	-5,814.61	-9,174.72	8,754.22	8,703.34	50.89	172.037		
5,700.00	4,287.21	1,608.00	1,576.48	62.14	7.12	45.03	-5,826.12	-9,188.24	8,720.45	8,668.10	52.35	166.589		
5,800.00	4,348.99	1,608.00	1,576.48	63.60	7.12	45.03	-5,826.12	-9,188.24	8,687.24	8,633.67	53.56	162.183		
5,900.00	4,410.77	1,608.00	1,576.48	65.05	7.12	45.03	-5,826.12	-9,188.24	8,655.05	8,600.27	54.79	157.980		
6,000.00	4,472.54	1,608.00	1,576.48	66.51	7.12	45.03	-5,826.12	-9,188.24	8,623.91	8,567.90	56.01	153.970		
6,100.00	4,534.32	1,661.74	1,626.76	67.96	7.50	45.21	-5,838.35	-9,202.74	8,593.00	8,535.48	57.52	149.400		
6,200.00	4,596.09	1,678.87	1,642.69	69.42	7.62	45.27	-5,842.34	-9,207.60	8,563.36	8,504.52	58.84	145.534		
6,300.00	4,657.87	1,733.00	1,692.73	70.88	7.99	45.46	-5,855.25	-9,223.72	8,535.01	8,474.64	60.37	141.388		
6,400.00	4,719.64	1,733.00	1,692.73	72.33	7.99	45.46	-5,855.25	-9,223.72	8,506.90	8,445.29	61.61	138.077		
6,500.00	4,781.42	1,733.00	1,692.73	73.79	7.99	45.46	-5,855.25	-9,223.72	8,479.87	8,417.02	62.86	134.911		
6,600.00	4,843.20	1,806.32	1,760.05	75.25	8.54	45.70	-5,873.85	-9,246.04	8,453.63	8,389.11	64.52	131.021		
6,700.00	4,904.97	1,884.83	1,831.85	76.71	9.14	45.95	-5,895.40	-9,269.35	8,427.65	8,361.42	66.22	127.263		
6,800.00	4,966.75	1,952.14	1,893.42	78.16	9.65	46.17	-5,913.64	-9,289.55	8,402.05	8,334.17	67.88	123.783		
6,900.00	5,028.52	2,079.09	2,009.75	79.62	10.63	46.59	-5,946.78	-9,328.05	8,376.72	8,306.82	69.90	119.845		
7,000.00	5,090.30	2,143.27	2,068.66	81.08	11.13	46.80	-5,963.41	-9,347.33	8,351.29	8,279.74	71.56	116.704		
7,100.00	5,152.08	2,185.34	2,107.23	82.54	11.45	46.95	-5,974.23	-9,360.21	8,326.55	8,253.44	73.10	113.903		
7,200.00	5,213.85	2,233.00	2,150.84	83.99	11.83	47.11	-5,986.40	-9,375.09	8,302.50	8,227.81	74.69	111.166		
7,300.00	5,275.63	2,526.83	2,421.41	85.45	14.09	48.14	-6,057.33	-9,464.99	8,277.83	8,200.06	77.77	106.436		
7,400.00	5,337.40	2,564.11	2,455.72	86.91	14.38	48.27	-6,067.10	-9,475.79	8,252.59	8,173.26	79.33	104.028		
7,500.00	5,399.18	2,607.00	2,495.03	88.37	14.71	48.41	-6,078.83	-9,488.32	8,228.11	8,147.18	80.93	101.675		
7,600.00	5,460.95	2,607.00	2,495.03	89.83	14.71	48.41	-6,078.83	-9,488.32	8,204.51	8,122.25	82.26	99.736		
7,700.00	5,522.73	2,673.28	2,555.50	91.29	15.25	48.63	-6,097.35	-9,508.14	8,181.42	8,097.39	84.03	97.369		
7,800.00	5,584.51	2,732.00	2,608.86	92.75	15.73	48.82	-6,113.78	-9,526.32	8,159.33	8,073.58	85.75	95.154		
7,900.00	5,646.28	2,732.00	2,608.86	94.20	15.73	48.82	-6,113.78	-9,526.32	8,137.89	8,050.80	87.09	93.439		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
8,000.00	5,708.06	2,782.10	2,654.21	95.66	16.15	48.99	-6,127.97	-9,542.22	8,117.27	8,028.49	88.78	91.435		
8,100.00	5,769.83	2,819.45	2,687.87	97.12	16.46	49.11	-6,138.77	-9,554.27	8,097.46	8,007.08	90.38	89.595		
8,200.00	5,831.61	3,016.05	2,865.33	98.58	18.12	49.77	-6,195.18	-9,617.28	8,077.73	7,984.64	93.09	86.775		
8,300.00	5,893.39	3,057.59	2,903.03	100.04	18.46	49.91	-6,206.46	-9,630.58	8,057.76	7,963.01	94.74	85.047		
8,400.00	5,955.16	3,107.00	2,947.84	101.50	18.87	50.09	-6,219.56	-9,646.78	8,038.54	7,942.08	96.46	83.333		
8,500.00	6,016.94	3,607.00	3,405.35	102.96	22.89	51.84	-6,353.23	-9,797.22	8,016.20	7,914.96	101.24	79.178		
8,600.00	6,078.71	3,775.01	3,560.51	104.42	24.18	52.43	-6,398.43	-9,843.11	7,992.82	7,889.05	103.77	77.022		
8,700.00	6,140.49	3,848.33	3,628.55	105.88	24.74	52.70	-6,417.05	-9,863.10	7,969.34	7,863.62	105.71	75.387		
8,800.00	6,202.26	3,891.71	3,668.77	107.34	25.07	52.86	-6,428.08	-9,875.04	7,946.40	7,838.92	107.48	73.937		
8,900.00	6,264.04	3,931.64	3,705.63	108.80	25.38	53.00	-6,438.68	-9,886.15	7,924.23	7,815.01	109.22	72.554		
9,000.00	6,325.82	3,982.00	3,751.87	110.26	25.77	53.18	-6,452.69	-9,900.33	7,902.84	7,791.81	111.03	71.176		
9,100.00	6,387.59	4,018.42	3,785.18	111.72	26.07	53.31	-6,463.17	-9,910.69	7,882.17	7,769.40	112.77	69.898		
9,200.00	6,449.37	4,066.76	3,829.24	113.18	26.46	53.47	-6,477.41	-9,924.57	7,862.20	7,747.61	114.59	68.614		
9,300.00	6,511.14	4,106.00	3,864.89	114.64	26.78	53.61	-6,489.23	-9,935.94	7,842.92	7,726.58	116.34	67.412		
9,400.00	6,572.92	4,176.96	3,929.09	116.10	27.38	53.84	-6,511.26	-9,956.64	7,824.23	7,705.88	118.34	66.114		
9,500.00	6,634.70	4,322.41	4,060.67	117.56	28.59	54.33	-6,556.74	-9,998.73	7,805.58	7,684.68	120.89	64.566		
9,600.00	6,696.47	4,409.08	4,139.65	119.02	29.30	54.63	-6,582.29	-10,023.59	7,786.63	7,663.60	123.03	63.292		
9,700.00	6,758.22	6,980.00	6,616.41	120.48	42.39	65.84	-6,923.10	-10,445.02	7,763.43	7,627.90	135.53	57.284		
9,800.00	6,817.23	7,032.03	6,668.42	122.00	42.51	58.57	-6,922.59	-10,446.30	7,712.45	7,575.00	137.45	56.110		
9,900.00	6,870.40	7,076.48	6,712.86	123.58	42.60	52.10	-6,922.22	-10,447.44	7,647.93	7,508.75	139.18	54.950		
10,000.00	6,916.13	7,117.06	6,753.42	125.16	42.69	46.16	-6,921.93	-10,448.53	7,571.61	7,430.97	140.64	53.837		
10,100.00	6,953.01	7,154.28	6,790.62	126.69	42.77	39.92	-6,921.70	-10,449.54	7,485.58	7,343.81	141.77	52.800		
10,200.00	6,979.94	7,182.31	6,818.64	128.11	42.84	30.66	-6,921.54	-10,450.31	7,392.30	7,249.78	142.52	51.870		
10,300.00	6,996.09	7,200.25	6,836.58	129.37	42.88	3.65	-6,921.44	-10,450.80	7,294.48	7,151.65	142.83	51.071		
10,400.00	7,001.00	7,207.56	6,843.89	130.45	42.89	-76.90	-6,921.41	-10,451.00	7,195.06	7,052.37	142.69	50.423		
10,500.00	7,001.00	7,210.20	6,846.52	131.44	42.90	-77.07	-6,921.39	-10,451.07	7,095.76	6,953.41	142.35	49.846		
10,600.00	7,001.00	7,212.84	6,849.16	132.48	42.91	-77.24	-6,921.38	-10,451.15	6,996.49	6,854.48	142.01	49.268		
10,700.00	7,001.00	7,215.48	6,851.80	133.54	42.91	-77.42	-6,921.37	-10,451.22	6,897.23	6,755.58	141.65	48.692		
10,800.00	7,001.00	7,218.13	6,854.45	134.64	42.92	-77.59	-6,921.35	-10,451.29	6,798.00	6,656.71	141.28	48.116		
10,900.00	7,001.00	7,220.77	6,857.09	135.77	42.92	-77.77	-6,921.34	-10,451.36	6,698.78	6,557.88	140.91	47.541		
11,000.00	7,001.00	7,223.42	6,859.74	136.94	42.93	-77.94	-6,921.33	-10,451.44	6,599.59	6,459.08	140.52	46.967		
11,100.00	7,001.00	7,226.07	6,862.39	138.14	42.94	-78.12	-6,921.32	-10,451.51	6,500.43	6,360.31	140.12	46.393		
11,200.00	7,001.00	7,229.00	6,865.32	139.38	42.94	-78.31	-6,921.30	-10,451.59	6,401.28	6,261.58	139.70	45.820		
11,300.00	7,001.00	7,232.10	6,868.41	140.65	42.95	-78.52	-6,921.29	-10,451.68	6,302.17	6,162.89	139.28	45.248		
11,400.00	7,001.00	7,235.52	6,871.83	141.95	42.96	-78.75	-6,921.27	-10,451.77	6,203.08	6,064.23	138.84	44.677		
11,500.00	7,001.00	7,238.91	6,875.22	143.29	42.97	-78.97	-6,921.26	-10,451.86	6,104.01	5,965.62	138.39	44.107		
11,600.00	7,001.00	7,242.26	6,878.57	144.66	42.97	-79.20	-6,921.25	-10,451.95	6,004.98	5,867.06	137.92	43.538		
11,700.00	7,001.00	7,245.58	6,881.89	146.06	42.98	-79.42	-6,921.23	-10,452.04	5,905.98	5,768.54	137.44	42.970		
11,800.00	7,001.00	7,248.87	6,885.17	147.50	42.99	-79.64	-6,921.22	-10,452.13	5,807.01	5,670.07	136.95	42.403		
11,900.00	7,001.00	7,252.12	6,888.42	148.97	43.00	-79.86	-6,921.21	-10,452.22	5,708.08	5,571.65	136.43	41.838		
12,000.00	7,001.00	7,255.33	6,891.64	150.47	43.00	-80.08	-6,921.20	-10,452.30	5,609.18	5,473.28	135.90	41.274		
12,100.00	7,001.00	7,258.52	6,894.82	152.00	43.01	-80.29	-6,921.19	-10,452.38	5,510.32	5,374.97	135.35	40.711		
12,200.00	7,001.00	7,261.67	6,897.98	153.57	43.02	-80.50	-6,921.19	-10,452.47	5,411.50	5,276.72	134.79	40.149		
12,300.00	7,001.00	7,264.80	6,901.10	155.16	43.02	-80.71	-6,921.18	-10,452.55	5,312.73	5,178.53	134.20	39.589		
12,400.00	7,001.00	7,267.89	6,904.19	156.79	43.03	-80.92	-6,921.17	-10,452.63	5,214.00	5,080.41	133.59	39.030		
12,500.00	7,001.00	7,270.95	6,907.25	158.44	43.04	-81.13	-6,921.17	-10,452.71	5,115.31	4,982.35	132.96	38.473		
12,600.00	7,001.00	7,273.97	6,910.27	160.13	43.05	-81.34	-6,921.16	-10,452.79	5,016.68	4,884.38	132.30	37.918		
12,700.00	7,001.00	7,276.97	6,913.27	161.84	43.05	-81.54	-6,921.16	-10,452.86	4,918.10	4,786.48	131.63	37.364		
12,800.00	7,001.00	7,279.95	6,916.24	163.58	43.06	-81.74	-6,921.16	-10,452.94	4,819.58	4,688.66	130.92	36.813		
12,900.00	7,001.00	7,282.89	6,919.18	165.35	43.07	-81.94	-6,921.15	-10,453.01	4,721.12	4,590.93	130.19	36.263		
13,000.00	7,001.00	7,285.80	6,922.09	167.14	43.07	-82.14	-6,921.15	-10,453.09	4,622.72	4,493.29	129.43	35.715		
13,100.00	7,001.00	7,288.68	6,924.98	168.97	43.08	-82.34	-6,921.15	-10,453.16	4,524.39	4,395.75	128.64	35.170		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
13,200.00	7,001.00	7,291.54	6,927.84	170.81	43.09	-82.53	-6,921.15	-10,453.23	4,426.14	4,298.31	127.82	34.627		
13,300.00	7,001.00	7,294.37	6,930.66	172.68	43.09	-82.72	-6,921.15	-10,453.30	4,327.96	4,200.99	126.97	34.086		
13,400.00	7,001.00	7,297.17	6,933.47	174.58	43.10	-82.92	-6,921.15	-10,453.37	4,229.86	4,103.78	126.09	33.548		
13,500.00	7,001.00	7,299.95	6,936.24	176.50	43.11	-83.11	-6,921.15	-10,453.44	4,131.86	4,006.70	125.16	33.012		
13,600.00	7,001.00	7,302.70	6,938.99	178.44	43.11	-83.29	-6,921.15	-10,453.51	4,033.95	3,909.75	124.20	32.479		
13,700.00	7,001.00	7,305.43	6,941.72	180.41	43.12	-83.48	-6,921.15	-10,453.57	3,936.15	3,812.95	123.20	31.949		
13,800.00	7,001.00	7,308.13	6,944.41	182.39	43.13	-83.67	-6,921.16	-10,453.64	3,838.46	3,716.30	122.16	31.421		
13,900.00	7,001.00	7,310.80	6,947.09	184.40	43.13	-83.85	-6,921.16	-10,453.70	3,740.89	3,619.81	121.08	30.897		
14,000.00	7,001.00	7,313.45	6,949.74	186.43	43.14	-84.03	-6,921.16	-10,453.77	3,643.44	3,523.50	119.95	30.376		
14,100.00	7,001.00	7,316.07	6,952.36	188.48	43.14	-84.21	-6,921.17	-10,453.83	3,546.14	3,427.37	118.77	29.858		
14,200.00	7,001.00	7,318.67	6,954.96	190.54	43.15	-84.39	-6,921.17	-10,453.89	3,448.99	3,331.45	117.54	29.343		
14,300.00	7,001.00	7,321.25	6,957.54	192.63	43.16	-84.57	-6,921.17	-10,453.95	3,352.01	3,235.74	116.27	28.830		
14,400.00	7,001.00	7,323.81	6,960.09	194.73	43.16	-84.74	-6,921.18	-10,454.01	3,255.21	3,140.27	114.94	28.321		
14,500.00	7,001.00	7,326.34	6,962.62	196.85	43.17	-84.92	-6,921.18	-10,454.07	3,158.60	3,045.04	113.56	27.814		
14,600.00	7,001.00	7,328.84	6,965.13	198.99	43.17	-85.09	-6,921.19	-10,454.13	3,062.21	2,950.08	112.13	27.309		
14,700.00	7,001.00	7,331.33	6,967.61	201.14	43.18	-85.26	-6,921.20	-10,454.19	2,966.06	2,855.41	110.65	26.805		
14,800.00	7,001.00	7,333.79	6,970.08	203.31	43.18	-85.43	-6,921.20	-10,454.24	2,870.17	2,761.04	109.13	26.301		
14,900.00	7,001.00	7,336.24	6,972.52	205.50	43.19	-85.60	-6,921.21	-10,454.30	2,774.57	2,667.00	107.56	25.795		
15,000.00	7,001.00	7,338.66	6,974.94	207.70	43.20	-85.77	-6,921.22	-10,454.36	2,679.28	2,573.32	105.96	25.285		
15,100.00	7,001.00	7,341.05	6,977.33	209.91	43.20	-85.93	-6,921.23	-10,454.41	2,584.35	2,480.01	104.35	24.767		
15,200.00	7,001.00	7,343.43	6,979.71	212.14	43.21	-86.10	-6,921.23	-10,454.47	2,489.82	2,387.10	102.72	24.238		
15,300.00	7,001.00	7,345.79	6,982.07	214.38	43.21	-86.26	-6,921.24	-10,454.52	2,395.73	2,294.60	101.12	23.691		
15,400.00	7,001.00	7,348.13	6,984.40	216.64	43.22	-86.42	-6,921.25	-10,454.57	2,302.13	2,202.55	99.58	23.118		
15,500.00	7,001.00	7,350.44	6,986.72	218.90	43.22	-86.58	-6,921.26	-10,454.62	2,209.09	2,110.94	98.14	22.509		
15,600.00	7,001.00	7,352.74	6,989.01	221.18	43.23	-86.74	-6,921.27	-10,454.68	2,116.68	2,019.81	96.88	21.849		
15,700.00	7,001.00	7,355.04	6,991.32	223.47	43.23	-86.90	-6,921.28	-10,454.73	2,025.00	1,929.13	95.87	21.123		
15,800.00	7,001.00	7,357.35	6,993.63	225.78	43.24	-87.06	-6,921.29	-10,454.78	1,934.13	1,838.91	95.22	20.312		
15,900.00	7,001.00	7,359.62	6,995.90	228.09	43.24	-87.22	-6,921.30	-10,454.83	1,844.21	1,749.13	95.08	19.397		
16,000.00	7,001.00	7,361.86	6,998.13	230.41	43.25	-87.37	-6,921.31	-10,454.88	1,755.37	1,659.77	95.61	18.360		
16,100.00	7,001.00	7,364.06	7,000.33	232.75	43.26	-87.53	-6,921.32	-10,454.92	1,667.80	1,570.80	97.00	17.194		
16,200.00	7,001.00	7,366.23	7,002.50	235.09	43.26	-87.68	-6,921.34	-10,454.97	1,581.70	1,482.23	99.47	15.901		
16,300.00	7,001.00	7,368.36	7,004.63	237.45	43.27	-87.82	-6,921.35	-10,455.02	1,497.32	1,394.09	103.23	14.505		
16,400.00	7,001.00	7,370.46	7,006.73	239.81	43.27	-87.97	-6,921.36	-10,455.06	1,414.98	1,306.49	108.49	13.042		
16,500.00	7,001.00	7,372.53	7,008.80	242.18	43.28	-88.11	-6,921.37	-10,455.10	1,335.05	1,219.59	115.45	11.563		
16,600.00	7,001.00	7,374.57	7,010.84	244.56	43.28	-88.25	-6,921.39	-10,455.15	1,257.98	1,133.70	124.29	10.121		
16,700.00	7,001.00	7,376.58	7,012.85	246.95	43.28	-88.39	-6,921.40	-10,455.19	1,184.35	1,049.21	135.14	8.764		
16,800.00	7,001.00	7,378.56	7,014.83	249.35	43.29	-88.53	-6,921.41	-10,455.23	1,114.83	966.71	148.12	7.527		
16,900.00	7,001.00	7,380.51	7,016.78	251.75	43.29	-88.67	-6,921.43	-10,455.27	1,050.24	886.98	163.26	6.433		
17,000.00	7,001.00	7,382.43	7,018.70	254.17	43.30	-88.80	-6,921.44	-10,455.31	991.54	811.04	180.50	5.493		
17,100.00	7,001.00	7,384.32	7,020.59	256.59	43.30	-88.93	-6,921.46	-10,455.34	939.83	740.27	199.56	4.710		
17,200.00	7,001.00	7,386.19	7,022.46	259.01	43.31	-89.06	-6,921.47	-10,455.38	896.33	676.39	219.94	4.075		
17,300.00	7,001.00	7,388.03	7,024.30	261.45	43.31	-89.19	-6,921.49	-10,455.42	862.29	621.47	240.82	3.581		
17,400.00	7,001.00	7,389.85	7,026.11	263.89	43.32	-89.31	-6,921.50	-10,455.45	838.84	577.77	261.07	3.213		
17,500.00	7,001.00	7,391.63	7,027.90	266.34	43.32	-89.44	-6,921.52	-10,455.49	826.90	547.43	279.46	2.959		
17,549.50	7,001.00	7,392.51	7,028.78	267.55	43.32	-89.50	-6,921.52	-10,455.51	825.41	537.90	287.51	2.871 CC		
17,600.00	7,001.00	7,393.40	7,029.66	268.79	43.32	-89.56	-6,921.53	-10,455.52	826.96	532.11	294.85	2.805 ES		
17,700.00	7,001.00	7,395.14	7,031.40	271.25	43.33	-89.68	-6,921.55	-10,455.56	839.02	532.56	306.46	2.738 SF		
17,800.00	7,001.00	7,396.85	7,033.12	273.72	43.33	-89.80	-6,921.56	-10,455.59	862.58	548.52	314.06	2.747		
17,900.00	7,001.00	7,398.54	7,034.81	276.19	43.34	-89.92	-6,921.58	-10,455.62	896.73	578.82	317.91	2.821		
18,000.00	7,001.00	7,400.21	7,036.48	278.67	43.34	-90.03	-6,921.60	-10,455.65	940.32	621.70	318.61	2.951		
18,100.00	7,001.00	7,401.86	7,038.13	281.15	43.35	-90.15	-6,921.61	-10,455.68	992.10	675.19	316.91	3.131		
18,200.00	7,001.00	7,403.49	7,039.75	283.64	43.35	-90.26	-6,921.63	-10,455.71	1,050.85	737.34	313.51	3.352		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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 15-3 - 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	
18,300.00	7,001.00	7,405.11	7,041.37	286.15	43.35	-90.36	-6,921.64	-10,455.74	1,113.88	804.95	308.93	3.606	
18,400.00	7,001.00	7,406.74	7,043.00	288.68	43.36	-90.46	-6,921.66	-10,455.77	1,179.50	876.01	303.49	3.886	
18,500.00	7,001.00	7,408.37	7,044.63	291.24	43.36	-90.56	-6,921.68	-10,455.80	1,247.72	950.23	297.50	4.194	
18,600.00	7,001.00	7,409.99	7,046.25	293.80	43.36	-90.66	-6,921.69	-10,455.83	1,319.84	1,028.50	291.34	4.530	
18,700.00	7,001.00	7,411.58	7,047.85	296.36	43.37	-90.76	-6,921.71	-10,455.86	1,395.39	1,110.18	285.21	4.892	
18,800.00	7,001.00	7,413.16	7,049.43	298.93	43.37	-90.87	-6,921.73	-10,455.89	1,473.86	1,194.61	279.26	5.278	
18,900.00	7,001.00	7,414.73	7,050.99	301.50	43.38	-90.97	-6,921.75	-10,455.92	1,554.80	1,281.27	273.54	5.684	
19,000.00	7,001.00	7,416.27	7,052.53	304.07	43.38	-91.07	-6,921.76	-10,455.94	1,637.85	1,369.74	268.11	6.109	
19,100.00	7,001.00	7,417.80	7,054.06	306.65	43.38	-91.16	-6,921.78	-10,455.97	1,722.70	1,459.72	262.98	6.551	
19,200.00	7,001.00	7,419.31	7,055.57	309.23	43.39	-91.26	-6,921.80	-10,456.00	1,809.09	1,550.94	258.16	7.008	
19,300.00	7,001.00	7,420.81	7,057.07	311.81	43.39	-91.36	-6,921.82	-10,456.02	1,896.82	1,643.18	253.64	7.479	
19,400.00	7,001.00	7,422.29	7,058.55	314.39	43.39	-91.45	-6,921.84	-10,456.05	1,985.71	1,736.30	249.41	7.962	
19,500.00	7,001.00	7,423.75	7,060.01	316.97	43.40	-91.55	-6,921.85	-10,456.07	2,075.61	1,830.16	245.45	8.456	
19,600.00	7,001.00	7,425.20	7,061.46	319.56	43.40	-91.64	-6,921.87	-10,456.10	2,166.39	1,924.64	241.75	8.961	
19,700.00	7,001.00	7,426.63	7,062.89	322.15	43.40	-91.73	-6,921.89	-10,456.12	2,257.95	2,019.66	238.30	9.475	
19,800.00	7,001.00	7,428.05	7,064.31	324.74	43.41	-91.82	-6,921.91	-10,456.14	2,350.20	2,115.14	235.06	9.998	
19,900.00	7,001.00	7,429.45	7,065.71	327.33	43.41	-91.96	-6,921.93	-10,456.17	2,443.11	2,211.07	232.04	10.529	
20,000.00	7,001.00	7,430.81	7,067.07	329.92	43.41	-92.27	-6,921.94	-10,456.19	2,537.42	2,308.02	229.41	11.061	
20,100.00	7,001.00	7,432.12	7,068.38	332.49	43.42	-92.65	-6,921.96	-10,456.21	2,633.20	2,406.00	227.19	11.590	
20,200.00	7,001.00	7,433.39	7,069.65	335.04	43.42	-92.86	-6,921.98	-10,456.23	2,729.95	2,504.64	225.30	12.117	
20,300.00	7,001.00	7,434.65	7,070.90	337.60	43.42	-92.97	-6,922.00	-10,456.25	2,826.95	2,603.41	223.54	12.646	
20,400.00	7,001.00	7,435.89	7,072.14	340.16	43.43	-93.07	-6,922.01	-10,456.27	2,924.16	2,702.27	221.89	13.178	
20,500.00	7,001.00	7,437.11	7,073.37	342.72	43.43	-93.17	-6,922.03	-10,456.29	3,021.55	2,801.21	220.34	13.713	
20,600.00	7,001.00	7,438.32	7,074.58	345.29	43.43	-93.28	-6,922.05	-10,456.31	3,119.11	2,900.22	218.88	14.250	
20,700.00	7,001.00	7,439.52	7,075.77	347.86	43.43	-93.38	-6,922.06	-10,456.33	3,216.81	2,999.30	217.51	14.789	
20,800.00	7,001.00	7,440.70	7,076.95	350.43	43.44	-93.48	-6,922.08	-10,456.35	3,314.65	3,098.44	216.21	15.331	
20,900.00	7,001.00	7,441.87	7,078.12	353.00	43.44	-93.58	-6,922.10	-10,456.37	3,412.62	3,197.64	214.98	15.874	
21,000.00	7,001.00	7,443.02	7,079.28	355.58	43.44	-93.68	-6,922.11	-10,456.38	3,510.70	3,296.88	213.82	16.419	
21,100.00	7,001.00	7,444.16	7,080.42	358.16	43.45	-93.77	-6,922.13	-10,456.40	3,608.88	3,396.16	212.72	16.965	
21,121.77	7,001.00	7,444.41	7,080.66	358.72	43.45	-93.79	-6,922.13	-10,456.41	3,630.27	3,417.78	212.49	17.085	

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
6,000.00	4,472.54	17,476.00	7,264.97	66.51	281.41	83.17	-4,366.94	-11,132.11	10,089.21	9,991.37	97.83	103.125		
6,100.00	4,534.32	17,476.00	7,264.97	67.96	281.41	83.17	-4,366.94	-11,132.11	10,031.95	9,934.02	97.94	102.434		
6,200.00	4,596.09	17,476.00	7,264.97	69.42	281.41	83.17	-4,366.94	-11,132.11	9,975.37	9,877.30	98.07	101.716		
6,300.00	4,657.87	17,476.00	7,264.97	70.88	281.41	83.17	-4,366.94	-11,132.11	9,919.48	9,821.23	98.24	100.967		
6,400.00	4,719.64	17,476.00	7,264.97	72.33	281.41	83.17	-4,366.94	-11,132.11	9,864.28	9,765.82	98.46	100.183		
6,500.00	4,781.42	17,476.00	7,264.97	73.79	281.41	83.17	-4,366.94	-11,132.11	9,809.79	9,711.06	98.73	99.357		
6,600.00	4,843.20	17,476.00	7,264.97	75.25	281.41	83.17	-4,366.94	-11,132.11	9,756.02	9,656.96	99.06	98.483		
6,700.00	4,904.97	17,476.00	7,264.97	76.71	281.41	83.17	-4,366.94	-11,132.11	9,702.99	9,603.53	99.46	97.556		
6,800.00	4,966.75	17,476.00	7,264.97	78.16	281.41	83.17	-4,366.94	-11,132.11	9,650.70	9,550.76	99.94	96.568		
6,900.00	5,028.52	17,476.00	7,264.97	79.62	281.41	83.17	-4,366.94	-11,132.11	9,599.16	9,498.66	100.50	95.512		
7,000.00	5,090.30	17,476.00	7,264.97	81.08	281.41	83.17	-4,366.94	-11,132.11	9,548.40	9,447.23	101.17	94.382		
7,100.00	5,152.08	17,476.00	7,264.97	82.54	281.41	83.17	-4,366.94	-11,132.11	9,498.41	9,396.47	101.95	93.169		
7,200.00	5,213.85	17,476.00	7,264.97	83.99	281.41	83.17	-4,366.94	-11,132.11	9,449.22	9,346.37	102.85	91.870		
7,300.00	5,275.63	17,476.00	7,264.97	85.45	281.41	83.17	-4,366.94	-11,132.11	9,400.84	9,296.94	103.90	90.478		
7,400.00	5,337.40	17,476.00	7,264.97	86.91	281.41	83.17	-4,366.94	-11,132.11	9,353.28	9,248.17	105.10	88.992		
7,500.00	5,399.18	17,476.00	7,264.97	88.37	281.41	83.17	-4,366.94	-11,132.11	9,306.54	9,200.08	106.47	87.412		
7,600.00	5,460.95	17,476.00	7,264.97	89.83	281.41	83.17	-4,366.94	-11,132.11	9,260.66	9,152.65	108.01	85.742		
7,700.00	5,522.73	17,476.00	7,264.97	91.29	281.41	83.17	-4,366.94	-11,132.11	9,215.62	9,105.90	109.73	83.987		
7,800.00	5,584.51	17,476.00	7,264.97	92.75	281.41	83.17	-4,366.94	-11,132.11	9,171.46	9,059.83	111.63	82.157		
7,900.00	5,646.28	17,476.00	7,264.97	94.20	281.41	83.17	-4,366.94	-11,132.11	9,128.18	9,014.46	113.72	80.266		
8,000.00	5,708.06	17,476.00	7,264.97	95.66	281.41	83.17	-4,366.94	-11,132.11	9,085.79	8,969.80	116.00	78.327		
8,100.00	5,769.83	17,476.00	7,264.97	97.12	281.41	83.17	-4,366.94	-11,132.11	9,044.32	8,925.87	118.45	76.356		
8,200.00	5,831.61	17,476.00	7,264.97	98.58	281.41	83.17	-4,366.94	-11,132.11	9,003.76	8,882.69	121.07	74.369		
8,300.00	5,893.39	17,476.00	7,264.97	100.04	281.41	83.17	-4,366.94	-11,132.11	8,964.13	8,840.28	123.85	72.381		
8,400.00	5,955.16	17,476.00	7,264.97	101.50	281.41	83.17	-4,366.94	-11,132.11	8,925.45	8,798.67	126.77	70.406		
8,500.00	6,016.94	17,476.00	7,264.97	102.96	281.41	83.17	-4,366.94	-11,132.11	8,887.72	8,757.89	129.83	68.456		
8,600.00	6,078.71	17,476.00	7,264.97	104.42	281.41	83.17	-4,366.94	-11,132.11	8,850.96	8,717.95	133.02	66.541		
8,700.00	6,140.49	17,476.00	7,264.97	105.88	281.41	83.17	-4,366.94	-11,132.11	8,815.19	8,678.87	136.31	64.669		
8,800.00	6,202.26	17,476.00	7,264.97	107.34	281.41	83.17	-4,366.94	-11,132.11	8,780.40	8,640.69	139.71	62.847		
8,900.00	6,264.04	17,476.00	7,264.97	108.80	281.41	83.17	-4,366.94	-11,132.11	8,746.63	8,603.43	143.20	61.080		
9,000.00	6,325.82	17,476.00	7,264.97	110.26	281.41	83.17	-4,366.94	-11,132.11	8,713.86	8,567.09	146.77	59.371		
9,100.00	6,387.59	17,476.00	7,264.97	111.72	281.41	83.17	-4,366.94	-11,132.11	8,682.13	8,531.72	150.41	57.721		
9,200.00	6,449.37	17,476.00	7,264.97	113.18	281.41	83.17	-4,366.94	-11,132.11	8,651.44	8,497.31	154.12	56.133		
9,300.00	6,511.14	17,476.00	7,264.97	114.64	281.41	83.17	-4,366.94	-11,132.11	8,621.80	8,463.90	157.89	54.606		
9,400.00	6,572.92	17,476.00	7,264.97	116.10	281.41	83.17	-4,366.94	-11,132.11	8,593.22	8,431.50	161.71	53.139		
9,500.00	6,634.70	17,476.00	7,264.97	117.56	281.41	83.17	-4,366.94	-11,132.11	8,565.71	8,400.13	165.58	51.733		
9,600.00	6,696.47	17,476.00	7,264.97	119.02	281.41	83.17	-4,366.94	-11,132.11	8,539.28	8,369.80	169.48	50.385		
9,700.00	6,758.22	17,476.00	7,264.97	120.48	281.41	82.39	-4,366.94	-11,132.11	8,513.84	8,340.42	173.42	49.094		
9,800.00	6,817.23	17,476.00	7,264.97	122.00	281.41	76.17	-4,366.94	-11,132.11	8,479.59	8,302.24	177.35	47.812		
9,900.00	6,870.40	17,476.00	7,264.97	123.58	281.41	71.60	-4,366.94	-11,132.11	8,430.73	8,249.57	181.16	46.536		
10,000.00	6,916.13	17,476.00	7,264.97	125.16	281.41	68.88	-4,366.94	-11,132.11	8,368.51	8,183.78	184.73	45.301		
10,100.00	6,953.01	17,476.00	7,264.97	126.69	281.41	68.34	-4,366.94	-11,132.11	8,294.53	8,106.60	187.94	44.135		
10,200.00	6,979.94	17,476.00	7,264.97	128.11	281.41	70.87	-4,366.94	-11,132.11	8,210.77	8,020.10	190.67	43.063		
10,300.00	6,996.09	17,476.00	7,264.97	129.37	281.41	79.10	-4,366.94	-11,132.11	8,119.51	7,926.68	192.82	42.108		
10,400.00	7,001.00	17,476.00	7,264.97	130.45	281.41	99.52	-4,366.94	-11,132.11	8,023.31	7,828.98	194.33	41.288		
10,500.00	7,001.00	17,476.00	7,264.97	131.44	281.41	99.52	-4,366.94	-11,132.11	7,925.75	7,730.21	195.54	40.532		
10,600.00	7,001.00	17,476.00	7,264.97	132.48	281.41	99.52	-4,366.94	-11,132.11	7,828.26	7,631.47	196.79	39.780		
10,700.00	7,001.00	17,476.00	7,264.97	133.54	281.41	99.52	-4,366.94	-11,132.11	7,730.83	7,532.76	198.07	39.030		
10,800.00	7,001.00	17,476.00	7,264.97	134.64	281.41	99.52	-4,366.94	-11,132.11	7,633.47	7,434.08	199.39	38.285		
10,900.00	7,001.00	17,476.00	7,264.97	135.77	281.41	99.52	-4,366.94	-11,132.11	7,536.17	7,335.44	200.74	37.543		
11,000.00	7,001.00	17,476.00	7,264.97	136.94	281.41	99.52	-4,366.94	-11,132.11	7,438.95	7,236.83	202.12	36.804		
11,100.00	7,001.00	17,476.00	7,264.97	138.14	281.41	99.52	-4,366.94	-11,132.11	7,341.80	7,138.26	203.55	36.069		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
11,200.00	7,001.00	17,476.00	7,264.97	139.38	281.41	99.52	-4,366.94	-11,132.11	7,244.73	7,039.72	205.01	35.338		
11,300.00	7,001.00	17,476.00	7,264.97	140.65	281.41	99.52	-4,366.94	-11,132.11	7,147.74	6,941.23	206.52	34.611		
11,400.00	7,001.00	17,476.00	7,264.97	141.95	281.41	99.52	-4,366.94	-11,132.11	7,050.84	6,842.78	208.06	33.888		
11,500.00	7,001.00	17,476.00	7,264.97	143.29	281.41	99.52	-4,366.94	-11,132.11	6,954.02	6,744.37	209.65	33.169		
11,600.00	7,001.00	17,476.00	7,264.97	144.66	281.41	99.52	-4,366.94	-11,132.11	6,857.29	6,646.00	211.29	32.454		
11,700.00	7,001.00	17,476.00	7,264.97	146.06	281.41	99.52	-4,366.94	-11,132.11	6,760.66	6,547.69	212.98	31.744		
11,800.00	7,001.00	17,476.00	7,264.97	147.50	281.41	99.52	-4,366.94	-11,132.11	6,664.13	6,449.42	214.71	31.038		
11,900.00	7,001.00	17,476.00	7,264.97	148.97	281.41	99.52	-4,366.94	-11,132.11	6,567.70	6,351.20	216.50	30.336		
12,000.00	7,001.00	17,476.00	7,264.97	150.47	281.41	99.52	-4,366.94	-11,132.11	6,471.38	6,253.04	218.34	29.639		
12,100.00	7,001.00	17,476.00	7,264.97	152.00	281.41	99.52	-4,366.94	-11,132.11	6,375.18	6,154.94	220.24	28.947		
12,200.00	7,001.00	17,476.00	7,264.97	153.57	281.41	99.52	-4,366.94	-11,132.11	6,279.09	6,056.90	222.19	28.260		
12,300.00	7,001.00	17,476.00	7,264.97	155.16	281.41	99.52	-4,366.94	-11,132.11	6,183.13	5,958.92	224.21	27.578		
12,400.00	7,001.00	17,476.00	7,264.97	156.79	281.41	99.52	-4,366.94	-11,132.11	6,087.29	5,861.00	226.29	26.901		
12,500.00	7,001.00	17,476.00	7,264.97	158.44	281.41	99.52	-4,366.94	-11,132.11	5,991.60	5,763.16	228.44	26.229		
12,600.00	7,001.00	17,476.00	7,264.97	160.13	281.41	99.52	-4,366.94	-11,132.11	5,896.04	5,665.39	230.65	25.562		
12,700.00	7,001.00	17,476.00	7,264.97	161.84	281.41	99.52	-4,366.94	-11,132.11	5,800.64	5,567.69	232.94	24.902		
12,800.00	7,001.00	17,476.00	7,264.97	163.58	281.41	99.52	-4,366.94	-11,132.11	5,705.39	5,470.08	235.31	24.247		
12,900.00	7,001.00	17,476.00	7,264.97	165.35	281.41	99.52	-4,366.94	-11,132.11	5,610.31	5,372.56	237.75	23.597		
13,000.00	7,001.00	17,476.00	7,264.97	167.14	281.41	99.52	-4,366.94	-11,132.11	5,515.40	5,275.12	240.28	22.954		
13,100.00	7,001.00	17,476.00	7,264.97	168.97	281.41	99.52	-4,366.94	-11,132.11	5,420.67	5,177.78	242.89	22.317		
13,200.00	7,001.00	17,476.00	7,264.97	170.81	281.41	99.52	-4,366.94	-11,132.11	5,326.14	5,080.55	245.60	21.687		
13,300.00	7,001.00	17,476.00	7,264.97	172.68	281.41	99.52	-4,366.94	-11,132.11	5,231.81	4,983.42	248.40	21.062		
13,400.00	7,001.00	17,476.00	7,264.97	174.58	281.41	99.52	-4,366.94	-11,132.11	5,137.70	4,886.40	251.30	20.445		
13,500.00	7,001.00	17,476.00	7,264.97	176.50	281.41	99.52	-4,366.94	-11,132.11	5,043.81	4,789.51	254.30	19.834		
13,600.00	7,001.00	17,476.00	7,264.97	178.44	281.41	99.52	-4,366.94	-11,132.11	4,950.16	4,692.75	257.41	19.230		
13,700.00	7,001.00	17,476.00	7,264.97	180.41	281.41	99.52	-4,366.94	-11,132.11	4,856.77	4,596.13	260.64	18.634		
13,800.00	7,001.00	17,476.00	7,264.97	182.39	281.41	99.52	-4,366.94	-11,132.11	4,763.64	4,499.65	263.99	18.045		
13,900.00	7,001.00	17,476.00	7,264.97	184.40	281.41	99.52	-4,366.94	-11,132.11	4,670.80	4,403.33	267.46	17.463		
14,000.00	7,001.00	17,476.00	7,264.97	186.43	281.41	99.52	-4,366.94	-11,132.11	4,578.26	4,307.19	271.07	16.889		
14,100.00	7,001.00	17,476.00	7,264.97	188.48	281.41	99.52	-4,366.94	-11,132.11	4,486.04	4,211.22	274.82	16.324		
14,200.00	7,001.00	17,476.00	7,264.97	190.54	281.41	99.52	-4,366.94	-11,132.11	4,394.16	4,115.45	278.71	15.766		
14,300.00	7,001.00	17,476.00	7,264.97	192.63	281.41	99.52	-4,366.94	-11,132.11	4,302.64	4,019.88	282.76	15.217		
14,400.00	7,001.00	17,476.00	7,264.97	194.73	281.41	99.52	-4,366.94	-11,132.11	4,211.50	3,924.54	286.96	14.676		
14,500.00	7,001.00	17,476.00	7,264.97	196.85	281.41	99.52	-4,366.94	-11,132.11	4,120.78	3,829.44	291.34	14.144		
14,600.00	7,001.00	17,476.00	7,264.97	198.99	281.41	99.52	-4,366.94	-11,132.11	4,030.50	3,734.61	295.89	13.622		
14,700.00	7,001.00	17,476.00	7,264.97	201.14	281.41	99.52	-4,366.94	-11,132.11	3,940.69	3,640.06	300.63	13.108		
14,800.00	7,001.00	17,476.00	7,264.97	203.31	281.41	99.52	-4,366.94	-11,132.11	3,851.38	3,545.81	305.56	12.604		
14,900.00	7,001.00	17,476.00	7,264.97	205.50	281.41	99.52	-4,366.94	-11,132.11	3,762.60	3,451.90	310.70	12.110		
15,000.00	7,001.00	17,476.00	7,264.97	207.70	281.41	99.52	-4,366.94	-11,132.11	3,674.41	3,358.35	316.06	11.626		
15,100.00	7,001.00	17,476.00	7,264.97	209.91	281.41	99.52	-4,366.94	-11,132.11	3,586.83	3,265.20	321.63	11.152		
15,200.00	7,001.00	17,476.00	7,264.97	212.14	281.41	99.52	-4,366.94	-11,132.11	3,499.92	3,172.48	327.44	10.689		
15,300.00	7,001.00	17,476.00	7,264.97	214.38	281.41	99.52	-4,366.94	-11,132.11	3,413.72	3,080.23	333.50	10.236		
15,400.00	7,001.00	17,476.00	7,264.97	216.64	281.41	99.52	-4,366.94	-11,132.11	3,328.30	2,988.50	339.80	9.795		
15,500.00	7,001.00	17,476.00	7,264.97	218.90	281.41	99.52	-4,366.94	-11,132.11	3,243.71	2,897.34	346.37	9.365		
15,600.00	7,001.00	17,476.00	7,264.97	221.18	281.41	99.52	-4,366.94	-11,132.11	3,160.02	2,806.81	353.22	8.946		
15,700.00	7,001.00	17,476.00	7,264.97	223.47	281.41	99.52	-4,366.94	-11,132.11	3,077.31	2,716.97	360.34	8.540		
15,800.00	7,001.00	17,476.00	7,264.97	225.78	281.41	99.52	-4,366.94	-11,132.11	2,995.65	2,627.90	367.75	8.146		
15,900.00	7,001.00	17,476.00	7,264.97	228.09	281.41	99.52	-4,366.94	-11,132.11	2,915.13	2,539.68	375.45	7.764		
16,000.00	7,001.00	17,476.00	7,264.97	230.41	281.41	99.52	-4,366.94	-11,132.11	2,835.86	2,452.40	383.45	7.396		
16,100.00	7,001.00	17,476.00	7,264.97	232.75	281.41	99.52	-4,366.94	-11,132.11	2,757.93	2,366.18	391.75	7.040		
16,200.00	7,001.00	17,476.00	7,264.97	235.09	281.41	99.52	-4,366.94	-11,132.11	2,681.46	2,281.12	400.34	6.698		
16,300.00	7,001.00	17,476.00	7,264.97	237.45	281.41	99.52	-4,366.94	-11,132.11	2,606.59	2,197.38	409.21	6.370		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
16,400.00	7,001.00	17,476.00	7,264.97	239.81	281.41	99.52	-4,366.94	-11,132.11	2,533.46	2,115.10	418.36	6.056				
16,500.00	7,001.00	17,476.00	7,264.97	242.18	281.41	99.52	-4,366.94	-11,132.11	2,462.21	2,034.46	427.76	5.756				
16,600.00	7,001.00	17,476.00	7,264.97	244.56	281.41	99.52	-4,366.94	-11,132.11	2,393.03	1,955.65	437.38	5.471				
16,700.00	7,001.00	17,476.00	7,264.97	246.95	281.41	99.52	-4,366.94	-11,132.11	2,326.08	1,878.91	447.18	5.202				
16,800.00	7,001.00	17,476.00	7,264.97	249.35	281.41	99.52	-4,366.94	-11,132.11	2,261.58	1,804.48	457.10	4.948				
16,900.00	7,001.00	17,476.00	7,264.97	251.75	281.41	99.52	-4,366.94	-11,132.11	2,199.73	1,732.64	467.09	4.709				
17,000.00	7,001.00	17,476.00	7,264.97	254.17	281.41	99.52	-4,366.94	-11,132.11	2,140.77	1,663.71	477.07	4.487				
17,100.00	7,001.00	17,476.00	7,264.97	256.59	281.41	99.52	-4,366.94	-11,132.11	2,084.94	1,598.02	486.92	4.282				
17,200.00	7,001.00	17,476.00	7,264.97	259.01	281.41	99.52	-4,366.94	-11,132.11	2,032.50	1,535.96	496.54	4.093				
17,300.00	7,001.00	17,476.00	7,264.97	261.45	281.41	99.52	-4,366.94	-11,132.11	1,983.72	1,477.93	505.79	3.922				
17,400.00	7,001.00	17,476.00	7,264.97	263.89	281.41	99.52	-4,366.94	-11,132.11	1,938.87	1,424.35	514.53	3.768				
17,500.00	7,001.00	17,476.00	7,264.97	266.34	281.41	99.52	-4,366.94	-11,132.11	1,898.24	1,375.67	522.57	3.633				
17,600.00	7,001.00	17,476.00	7,264.97	268.79	281.41	99.52	-4,366.94	-11,132.11	1,862.09	1,332.34	529.75	3.515				
17,700.00	7,001.00	17,476.00	7,264.97	271.25	281.41	99.52	-4,366.94	-11,132.11	1,830.70	1,294.81	535.89	3.416				
17,800.00	7,001.00	17,476.00	7,264.97	273.72	281.41	99.52	-4,366.94	-11,132.11	1,804.32	1,263.51	540.81	3.336				
17,900.00	7,001.00	17,476.00	7,264.97	276.19	281.41	99.52	-4,366.94	-11,132.11	1,783.16	1,238.80	544.35	3.276				
18,000.00	7,001.00	17,476.00	7,264.97	278.67	281.41	99.52	-4,366.94	-11,132.11	1,767.41	1,221.03	546.38	3.235				
18,100.00	7,001.00	17,476.00	7,264.97	281.15	281.41	99.52	-4,366.94	-11,132.11	1,757.22	1,210.43	546.79	3.214				
18,200.00	7,001.00	17,441.02	7,264.71	283.64	280.46	99.52	-4,368.16	-11,167.06	1,752.36	1,206.21	546.14	3.209				
18,273.53	7,001.00	17,380.47	7,264.26	285.48	278.83	99.51	-4,370.16	-11,227.58	1,751.03	1,205.10	545.92	3.207	CC, ES, SF			
18,300.00	7,001.00	17,361.31	7,264.10	286.15	278.31	99.50	-4,370.63	-11,246.73	1,751.21	1,205.42	545.79	3.209				
18,400.00	7,001.00	17,272.97	7,263.50	288.68	275.92	99.48	-4,372.38	-11,335.05	1,754.58	1,209.01	545.58	3.216				
18,500.00	7,001.00	17,158.95	7,264.17	291.24	272.84	99.47	-4,375.05	-11,449.04	1,760.56	1,214.75	545.81	3.226				
18,600.00	7,001.00	17,063.40	7,265.07	293.80	270.25	99.47	-4,377.59	-11,544.55	1,766.53	1,220.84	545.69	3.237				
18,700.00	7,001.00	16,972.54	7,265.50	296.36	267.80	99.45	-4,379.48	-11,635.39	1,772.99	1,227.48	545.51	3.250				
18,800.00	7,001.00	16,874.41	7,264.81	298.93	265.14	99.39	-4,381.28	-11,733.50	1,779.50	1,234.01	545.50	3.262				
18,900.00	7,001.00	16,800.00	7,263.41	301.50	263.13	99.32	-4,381.79	-11,807.89	1,786.95	1,241.95	545.00	3.279				
19,000.00	7,001.00	16,728.43	7,262.34	304.07	261.19	99.25	-4,381.25	-11,879.46	1,795.89	1,251.57	544.32	3.299				
19,100.00	7,001.00	16,627.30	7,261.08	306.65	258.45	99.16	-4,379.51	-11,980.56	1,805.82	1,261.40	544.42	3.317				
19,200.00	7,001.00	16,469.51	7,252.02	309.23	254.18	98.80	-4,378.21	-12,138.06	1,814.38	1,268.27	546.10	3.322				
19,300.00	7,001.00	16,361.69	7,239.88	311.81	251.28	98.38	-4,379.49	-12,245.17	1,819.91	1,273.26	546.65	3.329				
19,400.00	7,001.00	16,286.76	7,231.19	314.39	249.27	98.09	-4,379.52	-12,319.60	1,826.66	1,280.22	546.44	3.343				
19,500.00	7,001.00	16,205.26	7,221.97	316.97	247.08	97.76	-4,378.52	-12,400.57	1,834.76	1,288.46	546.30	3.359				
19,600.00	7,001.00	16,094.76	7,210.78	319.56	244.10	97.37	-4,377.13	-12,510.49	1,843.17	1,296.31	546.86	3.370				
19,700.00	7,001.00	15,998.11	7,204.19	322.15	241.49	97.14	-4,377.13	-12,606.91	1,850.80	1,303.84	546.96	3.384				
19,800.00	7,001.00	15,900.57	7,200.73	324.74	238.85	97.00	-4,376.58	-12,704.39	1,859.39	1,312.40	547.00	3.399				
19,900.00	7,001.00	15,780.94	7,198.50	327.33	235.61	96.89	-4,377.49	-12,823.99	1,866.73	1,319.25	547.47	3.410				
20,000.00	7,001.00	15,676.06	7,195.92	329.92	232.78	96.78	-4,378.82	-12,928.82	1,870.96	1,323.34	547.62	3.417				
20,100.00	7,001.00	15,550.57	7,189.68	332.49	229.39	96.59	-4,381.51	-13,054.12	1,870.46	1,322.26	548.20	3.412				
20,200.00	7,001.00	15,476.00	7,186.33	335.04	227.38	96.50	-4,382.41	-13,128.61	1,868.36	1,320.54	547.82	3.411				
20,267.40	7,001.00	15,445.04	7,185.12	336.77	226.54	96.46	-4,382.30	-13,159.54	1,867.87	1,320.84	547.03	3.415				
20,300.00	7,001.00	15,423.64	7,184.39	337.60	225.96	96.44	-4,382.07	-13,180.94	1,867.97	1,321.21	546.76	3.416				
20,400.00	7,001.00	15,342.39	7,182.52	340.16	223.76	96.37	-4,380.39	-13,262.14	1,869.34	1,323.07	546.26	3.422				
20,500.00	7,001.00	15,237.15	7,181.58	342.72	220.91	96.34	-4,378.39	-13,367.36	1,870.76	1,324.34	546.42	3.424				
20,600.00	7,001.00	15,142.02	7,178.67	345.29	218.33	96.25	-4,376.40	-13,462.42	1,872.13	1,325.80	546.34	3.427				
20,700.00	7,001.00	15,004.00	7,173.42	347.86	214.60	96.08	-4,374.04	-13,600.32	1,873.20	1,325.76	547.44	3.422				
20,767.37	7,001.00	14,944.78	7,170.94	349.59	213.00	96.00	-4,373.77	-13,659.49	1,872.96	1,325.67	547.29	3.422				
20,800.00	7,001.00	14,918.32	7,169.61	350.43	212.28	95.96	-4,373.49	-13,685.91	1,873.02	1,325.86	547.16	3.423				
20,900.00	7,001.00	14,837.36	7,166.15	353.00	210.09	95.86	-4,372.15	-13,766.79	1,873.86	1,327.15	546.71	3.428				
21,000.00	7,001.00	14,697.08	7,162.29	355.58	206.30	95.73	-4,370.22	-13,906.99	1,874.75	1,326.95	547.80	3.422				
21,100.00	7,001.00	14,554.18	7,155.64	358.16	202.45	95.54	-4,372.68	-14,049.71	1,871.96	1,323.21	548.75	3.411				
21,121.77	7,001.00	14,532.71	7,154.56	358.72	201.87	95.51	-4,373.15	-14,071.15	1,871.29	1,322.52	548.77	3.410				

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
5,900.00	4,410.77	17,312.00	7,020.41	65.05	282.00	81.17	-4,529.22	-11,120.67	10,090.76	9,990.16	100.59	100.311		
6,000.00	4,472.54	17,312.00	7,020.41	66.51	282.00	81.17	-4,529.22	-11,120.67	10,032.91	9,932.36	100.55	99.784		
6,100.00	4,534.32	17,312.00	7,020.41	67.96	282.00	81.17	-4,529.22	-11,120.67	9,975.73	9,875.21	100.52	99.245		
6,200.00	4,596.09	17,312.00	7,020.41	69.42	282.00	81.17	-4,529.22	-11,120.67	9,919.23	9,818.72	100.50	98.695		
6,300.00	4,657.87	17,312.00	7,020.41	70.88	282.00	81.17	-4,529.22	-11,120.67	9,863.42	9,762.90	100.52	98.128		
6,400.00	4,719.64	17,312.00	7,020.41	72.33	282.00	81.17	-4,529.22	-11,120.67	9,808.31	9,707.75	100.56	97.542		
6,500.00	4,781.42	17,312.00	7,020.41	73.79	282.00	81.17	-4,529.22	-11,120.67	9,753.91	9,653.28	100.63	96.932		
6,600.00	4,843.20	17,312.00	7,020.41	75.25	282.00	81.17	-4,529.22	-11,120.67	9,700.24	9,599.51	100.74	96.294		
6,700.00	4,904.97	17,312.00	7,020.41	76.71	282.00	81.17	-4,529.22	-11,120.67	9,647.31	9,546.42	100.89	95.622		
6,800.00	4,966.75	17,312.00	7,020.41	78.16	282.00	81.17	-4,529.22	-11,120.67	9,595.13	9,494.03	101.10	94.911		
6,900.00	5,028.52	17,312.00	7,020.41	79.62	282.00	81.17	-4,529.22	-11,120.67	9,543.71	9,442.34	101.36	94.153		
7,000.00	5,090.30	17,312.00	7,020.41	81.08	282.00	81.17	-4,529.22	-11,120.67	9,493.07	9,391.36	101.70	93.340		
7,100.00	5,152.08	17,312.00	7,020.41	82.54	282.00	81.17	-4,529.22	-11,120.67	9,443.21	9,341.08	102.13	92.465		
7,200.00	5,213.85	17,312.00	7,020.41	83.99	282.00	81.17	-4,529.22	-11,120.67	9,394.15	9,291.50	102.65	91.517		
7,300.00	5,275.63	17,312.00	7,020.41	85.45	282.00	81.17	-4,529.22	-11,120.67	9,345.91	9,242.63	103.28	90.489		
7,400.00	5,337.40	17,312.00	7,020.41	86.91	282.00	81.17	-4,529.22	-11,120.67	9,298.49	9,194.45	104.04	89.371		
7,500.00	5,399.18	17,312.00	7,020.41	88.37	282.00	81.17	-4,529.22	-11,120.67	9,251.91	9,146.96	104.95	88.156		
7,600.00	5,460.95	17,312.00	7,020.41	89.83	282.00	81.17	-4,529.22	-11,120.67	9,206.18	9,100.16	106.02	86.837		
7,700.00	5,522.73	17,312.00	7,020.41	91.29	282.00	81.17	-4,529.22	-11,120.67	9,161.31	9,054.05	107.26	85.411		
7,800.00	5,584.51	17,312.00	7,020.41	92.75	282.00	81.17	-4,529.22	-11,120.67	9,117.32	9,008.62	108.70	83.877		
7,900.00	5,646.28	17,312.00	7,020.41	94.20	282.00	81.17	-4,529.22	-11,120.67	9,074.22	8,963.88	110.34	82.241		
8,000.00	5,708.06	17,312.00	7,020.41	95.66	282.00	81.17	-4,529.22	-11,120.67	9,032.01	8,919.83	112.18	80.511		
8,100.00	5,769.83	17,312.00	7,020.41	97.12	282.00	81.17	-4,529.22	-11,120.67	8,990.73	8,876.49	114.24	78.701		
8,200.00	5,831.61	17,312.00	7,020.41	98.58	282.00	81.17	-4,529.22	-11,120.67	8,950.37	8,833.87	116.50	76.826		
8,300.00	5,893.39	17,312.00	7,020.41	100.04	282.00	81.17	-4,529.22	-11,120.67	8,910.95	8,791.98	118.96	74.905		
8,400.00	5,955.16	17,312.00	7,020.41	101.50	282.00	81.17	-4,529.22	-11,120.67	8,872.48	8,750.87	121.61	72.956		
8,500.00	6,016.94	17,312.00	7,020.41	102.96	282.00	81.17	-4,529.22	-11,120.67	8,834.97	8,710.54	124.44	70.999		
8,600.00	6,078.71	17,312.00	7,020.41	104.42	282.00	81.17	-4,529.22	-11,120.67	8,798.45	8,671.03	127.42	69.050		
8,700.00	6,140.49	17,312.00	7,020.41	105.88	282.00	81.17	-4,529.22	-11,120.67	8,762.91	8,632.36	130.55	67.123		
8,800.00	6,202.26	17,312.00	7,020.41	107.34	282.00	81.17	-4,529.22	-11,120.67	8,728.37	8,594.56	133.81	65.230		
8,900.00	6,264.04	17,312.00	7,020.41	108.80	282.00	81.17	-4,529.22	-11,120.67	8,694.85	8,557.66	137.18	63.381		
9,000.00	6,325.82	17,312.00	7,020.41	110.26	282.00	81.17	-4,529.22	-11,120.67	8,662.35	8,521.69	140.66	61.583		
9,100.00	6,387.59	17,312.00	7,020.41	111.72	282.00	81.17	-4,529.22	-11,120.67	8,630.88	8,486.66	144.23	59.842		
9,200.00	6,449.37	17,312.00	7,020.41	113.18	282.00	81.17	-4,529.22	-11,120.67	8,600.47	8,452.59	147.88	58.159		
9,300.00	6,511.14	17,312.00	7,020.41	114.64	282.00	81.17	-4,529.22	-11,120.67	8,571.11	8,419.52	151.60	56.539		
9,400.00	6,572.92	17,312.00	7,020.41	116.10	282.00	81.17	-4,529.22	-11,120.67	8,542.83	8,387.45	155.38	54.981		
9,500.00	6,634.70	17,312.00	7,020.41	117.56	282.00	81.17	-4,529.22	-11,120.67	8,515.62	8,356.41	159.21	53.486		
9,600.00	6,696.47	17,312.00	7,020.41	119.02	282.00	81.17	-4,529.22	-11,120.67	8,489.50	8,326.41	163.09	52.053		
9,700.00	6,758.22	17,312.00	7,020.41	120.48	282.00	80.38	-4,529.22	-11,120.67	8,464.39	8,297.37	167.02	50.680		
9,800.00	6,817.23	17,312.00	7,020.41	122.00	282.00	74.02	-4,529.22	-11,120.67	8,430.40	8,259.47	170.93	49.322		
9,900.00	6,870.40	17,312.00	7,020.41	123.58	282.00	69.22	-4,529.22	-11,120.67	8,381.70	8,206.99	174.71	47.976		
10,000.00	6,916.13	17,312.00	7,020.41	125.16	282.00	66.15	-4,529.22	-11,120.67	8,319.53	8,141.30	178.23	46.679		
10,100.00	6,953.01	17,312.00	7,020.41	126.69	282.00	65.05	-4,529.22	-11,120.67	8,245.49	8,064.11	181.38	45.461		
10,200.00	6,979.94	17,312.00	7,020.41	128.11	282.00	66.64	-4,529.22	-11,120.67	8,161.54	7,977.50	184.04	44.347		
10,300.00	6,996.09	17,312.00	7,020.41	129.37	282.00	73.19	-4,529.22	-11,120.67	8,069.97	7,883.86	186.12	43.360		
10,400.00	7,001.00	17,312.00	7,020.41	130.45	282.00	91.66	-4,529.22	-11,120.67	7,973.36	7,785.83	187.53	42.518		
10,500.00	7,001.00	17,312.00	7,020.41	131.44	282.00	91.66	-4,529.22	-11,120.67	7,875.34	7,686.68	188.65	41.745		
10,600.00	7,001.00	17,312.00	7,020.41	132.48	282.00	91.66	-4,529.22	-11,120.67	7,777.36	7,587.56	189.80	40.976		
10,700.00	7,001.00	17,312.00	7,020.41	133.54	282.00	91.66	-4,529.22	-11,120.67	7,679.44	7,488.45	190.98	40.210		
10,800.00	7,001.00	17,312.00	7,020.41	134.64	282.00	91.66	-4,529.22	-11,120.67	7,581.57	7,389.37	192.20	39.447		
10,900.00	7,001.00	17,312.00	7,020.41	135.77	282.00	91.66	-4,529.22	-11,120.67	7,483.75	7,290.31	193.44	38.687		
11,000.00	7,001.00	17,312.00	7,020.41	136.94	282.00	91.66	-4,529.22	-11,120.67	7,386.00	7,191.27	194.73	37.930		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
11,100.00	7,001.00	17,312.00	7,020.41	138.14	282.00	91.66	-4,529.22	-11,120.67	7,288.31	7,092.26	196.04	37.177		
11,200.00	7,001.00	17,312.00	7,020.41	139.38	282.00	91.66	-4,529.22	-11,120.67	7,190.68	6,993.28	197.40	36.428		
11,300.00	7,001.00	17,312.00	7,020.41	140.65	282.00	91.66	-4,529.22	-11,120.67	7,093.11	6,894.32	198.79	35.682		
11,400.00	7,001.00	17,312.00	7,020.41	141.95	282.00	91.66	-4,529.22	-11,120.67	6,995.62	6,795.40	200.22	34.939		
11,500.00	7,001.00	17,312.00	7,020.41	143.29	282.00	91.66	-4,529.22	-11,120.67	6,898.19	6,696.50	201.70	34.201		
11,600.00	7,001.00	17,312.00	7,020.41	144.66	282.00	91.66	-4,529.22	-11,120.67	6,800.84	6,597.63	203.21	33.467		
11,700.00	7,001.00	17,312.00	7,020.41	146.06	282.00	91.66	-4,529.22	-11,120.67	6,703.57	6,498.80	204.78	32.736		
11,800.00	7,001.00	17,312.00	7,020.41	147.50	282.00	91.66	-4,529.22	-11,120.67	6,606.38	6,400.00	206.39	32.010		
11,900.00	7,001.00	17,312.00	7,020.41	148.97	282.00	91.66	-4,529.22	-11,120.67	6,509.28	6,301.23	208.04	31.288		
12,000.00	7,001.00	17,312.00	7,020.41	150.47	282.00	91.66	-4,529.22	-11,120.67	6,412.26	6,202.51	209.75	30.570		
12,100.00	7,001.00	17,312.00	7,020.41	152.00	282.00	91.66	-4,529.22	-11,120.67	6,315.34	6,103.82	211.52	29.857		
12,200.00	7,001.00	17,312.00	7,020.41	153.57	282.00	91.66	-4,529.22	-11,120.67	6,218.52	6,005.18	213.34	29.149		
12,300.00	7,001.00	17,312.00	7,020.41	155.16	282.00	91.66	-4,529.22	-11,120.67	6,121.79	5,906.58	215.22	28.445		
12,400.00	7,001.00	17,312.00	7,020.41	156.79	282.00	91.66	-4,529.22	-11,120.67	6,025.18	5,808.03	217.15	27.746		
12,500.00	7,001.00	17,312.00	7,020.41	158.44	282.00	91.66	-4,529.22	-11,120.67	5,928.68	5,709.52	219.16	27.052		
12,600.00	7,001.00	17,312.00	7,020.41	160.13	282.00	91.66	-4,529.22	-11,120.67	5,832.29	5,611.07	221.22	26.364		
12,700.00	7,001.00	17,312.00	7,020.41	161.84	282.00	91.66	-4,529.22	-11,120.67	5,736.03	5,512.67	223.36	25.680		
12,800.00	7,001.00	17,312.00	7,020.41	163.58	282.00	91.66	-4,529.22	-11,120.67	5,639.90	5,414.32	225.57	25.002		
12,900.00	7,001.00	17,312.00	7,020.41	165.35	282.00	91.66	-4,529.22	-11,120.67	5,543.90	5,316.04	227.86	24.330		
13,000.00	7,001.00	17,312.00	7,020.41	167.14	282.00	91.66	-4,529.22	-11,120.67	5,448.05	5,217.82	230.23	23.663		
13,100.00	7,001.00	17,312.00	7,020.41	168.97	282.00	91.66	-4,529.22	-11,120.67	5,352.35	5,119.67	232.68	23.003		
13,200.00	7,001.00	17,312.00	7,020.41	170.81	282.00	91.66	-4,529.22	-11,120.67	5,256.81	5,021.59	235.22	22.348		
13,300.00	7,001.00	17,312.00	7,020.41	172.68	282.00	91.66	-4,529.22	-11,120.67	5,161.44	4,923.59	237.86	21.700		
13,400.00	7,001.00	17,312.00	7,020.41	174.58	282.00	91.66	-4,529.22	-11,120.67	5,066.25	4,825.67	240.59	21.058		
13,500.00	7,001.00	17,312.00	7,020.41	176.50	282.00	91.66	-4,529.22	-11,120.67	4,971.25	4,727.83	243.42	20.423		
13,600.00	7,001.00	17,312.00	7,020.41	178.44	282.00	91.66	-4,529.22	-11,120.67	4,876.45	4,630.09	246.36	19.794		
13,700.00	7,001.00	17,312.00	7,020.41	180.41	282.00	91.66	-4,529.22	-11,120.67	4,781.86	4,532.45	249.41	19.173		
13,800.00	7,001.00	17,312.00	7,020.41	182.39	282.00	91.66	-4,529.22	-11,120.67	4,687.49	4,434.91	252.58	18.558		
13,900.00	7,001.00	17,312.00	7,020.41	184.40	282.00	91.66	-4,529.22	-11,120.67	4,593.36	4,337.49	255.88	17.951		
14,000.00	7,001.00	17,312.00	7,020.41	186.43	282.00	91.66	-4,529.22	-11,120.67	4,499.49	4,240.18	259.31	17.352		
14,100.00	7,001.00	17,312.00	7,020.41	188.48	282.00	91.66	-4,529.22	-11,120.67	4,405.88	4,143.01	262.87	16.760		
14,200.00	7,001.00	17,312.00	7,020.41	190.54	282.00	91.66	-4,529.22	-11,120.67	4,312.57	4,045.98	266.59	16.177		
14,300.00	7,001.00	17,312.00	7,020.41	192.63	282.00	91.66	-4,529.22	-11,120.67	4,219.56	3,949.10	270.46	15.602		
14,400.00	7,001.00	17,312.00	7,020.41	194.73	282.00	91.66	-4,529.22	-11,120.67	4,126.87	3,852.38	274.49	15.035		
14,500.00	7,001.00	17,312.00	7,020.41	196.85	282.00	91.66	-4,529.22	-11,120.67	4,034.53	3,755.84	278.69	14.477		
14,600.00	7,001.00	17,312.00	7,020.41	198.99	282.00	91.66	-4,529.22	-11,120.67	3,942.57	3,659.50	283.08	13.928		
14,700.00	7,001.00	17,312.00	7,020.41	201.14	282.00	91.66	-4,529.22	-11,120.67	3,851.01	3,563.36	287.65	13.388		
14,800.00	7,001.00	17,312.00	7,020.41	203.31	282.00	91.66	-4,529.22	-11,120.67	3,759.88	3,467.45	292.43	12.857		
14,900.00	7,001.00	17,312.00	7,020.41	205.50	282.00	91.66	-4,529.22	-11,120.67	3,669.21	3,371.79	297.43	12.337		
15,000.00	7,001.00	17,312.00	7,020.41	207.70	282.00	91.66	-4,529.22	-11,120.67	3,579.04	3,276.40	302.64	11.826		
15,100.00	7,001.00	17,312.00	7,020.41	209.91	282.00	91.66	-4,529.22	-11,120.67	3,489.41	3,181.31	308.10	11.326		
15,200.00	7,001.00	17,312.00	7,020.41	212.14	282.00	91.66	-4,529.22	-11,120.67	3,400.35	3,086.54	313.80	10.836		
15,300.00	7,001.00	17,312.00	7,020.41	214.38	282.00	91.66	-4,529.22	-11,120.67	3,311.92	2,992.14	319.77	10.357		
15,400.00	7,001.00	17,312.00	7,020.41	216.64	282.00	91.66	-4,529.22	-11,120.67	3,224.16	2,898.14	326.02	9.890		
15,500.00	7,001.00	17,312.00	7,020.41	218.90	282.00	91.66	-4,529.22	-11,120.67	3,137.13	2,804.58	332.55	9.433		
15,600.00	7,001.00	17,312.00	7,020.41	221.18	282.00	91.66	-4,529.22	-11,120.67	3,050.91	2,711.51	339.40	8.989		
15,700.00	7,001.00	17,312.00	7,020.41	223.47	282.00	91.66	-4,529.22	-11,120.67	2,965.54	2,618.99	346.55	8.557		
15,800.00	7,001.00	17,312.00	7,020.41	225.78	282.00	91.66	-4,529.22	-11,120.67	2,881.12	2,527.07	354.05	8.138		
15,900.00	7,001.00	17,312.00	7,020.41	228.09	282.00	91.66	-4,529.22	-11,120.67	2,797.73	2,435.85	361.88	7.731		
16,000.00	7,001.00	17,312.00	7,020.41	230.41	282.00	91.66	-4,529.22	-11,120.67	2,715.45	2,345.38	370.07	7.338		
16,100.00	7,001.00	17,312.00	7,020.41	232.75	282.00	91.66	-4,529.22	-11,120.67	2,634.41	2,255.79	378.62	6.958		
16,200.00	7,001.00	17,312.00	7,020.41	235.09	282.00	91.66	-4,529.22	-11,120.67	2,554.70	2,167.16	387.54	6.592		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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												
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	Warning					
16,300.00	7,001.00	17,312.00	7,020.41	237.45	282.00	91.66	-4,529.22	-11,120.67	2,476.47	2,079.65	396.83	6.241						
16,400.00	7,001.00	17,312.00	7,020.41	239.81	282.00	91.66	-4,529.22	-11,120.67	2,399.86	1,993.38	406.48	5.904						
16,500.00	7,001.00	17,312.00	7,020.41	242.18	282.00	91.66	-4,529.22	-11,120.67	2,325.03	1,908.54	416.49	5.582						
16,600.00	7,001.00	17,312.00	7,020.41	244.56	282.00	91.66	-4,529.22	-11,120.67	2,252.15	1,825.32	426.83	5.276						
16,700.00	7,001.00	17,312.00	7,020.41	246.95	282.00	91.66	-4,529.22	-11,120.67	2,181.42	1,743.94	437.47	4.986						
16,800.00	7,001.00	17,312.00	7,020.41	249.35	282.00	91.66	-4,529.22	-11,120.67	2,113.05	1,664.68	448.37	4.713						
16,900.00	7,001.00	17,312.00	7,020.41	251.75	282.00	91.66	-4,529.22	-11,120.67	2,047.29	1,587.83	459.46	4.456						
17,000.00	7,001.00	17,312.00	7,020.41	254.17	282.00	91.66	-4,529.22	-11,120.67	1,984.39	1,513.74	470.65	4.216						
17,100.00	7,001.00	17,312.00	7,020.41	256.59	282.00	91.66	-4,529.22	-11,120.67	1,924.64	1,442.79	481.84	3.994						
17,200.00	7,001.00	17,312.00	7,020.41	259.01	282.00	91.66	-4,529.22	-11,120.67	1,868.33	1,375.43	492.90	3.790						
17,300.00	7,001.00	17,312.00	7,020.41	261.45	282.00	91.66	-4,529.22	-11,120.67	1,815.78	1,312.12	503.66	3.605						
17,400.00	7,001.00	17,312.00	7,020.41	263.89	282.00	91.66	-4,529.22	-11,120.67	1,767.34	1,253.41	513.93	3.439						
17,500.00	7,001.00	17,312.00	7,020.41	266.34	282.00	91.66	-4,529.22	-11,120.67	1,723.34	1,199.85	523.49	3.292						
17,600.00	7,001.00	17,312.00	7,020.41	268.79	282.00	91.66	-4,529.22	-11,120.67	1,684.13	1,152.02	532.11	3.165						
17,700.00	7,001.00	17,312.00	7,020.41	271.25	282.00	91.66	-4,529.22	-11,120.67	1,650.07	1,110.53	539.53	3.058						
17,800.00	7,001.00	17,312.00	7,020.41	273.72	282.00	91.66	-4,529.22	-11,120.67	1,621.46	1,075.95	545.51	2.972						
17,900.00	7,001.00	17,312.00	7,020.41	276.19	282.00	91.66	-4,529.22	-11,120.67	1,598.61	1,048.81	549.79	2.908						
18,000.00	7,001.00	17,312.00	7,020.41	278.67	282.00	91.66	-4,529.22	-11,120.67	1,581.76	1,029.56	552.19	2.864						
18,100.00	7,001.00	17,312.00	7,020.41	281.15	282.00	91.66	-4,529.22	-11,120.67	1,571.11	1,018.55	552.55	2.843	SF					
18,200.00	7,001.00	17,312.00	7,020.41	283.64	282.00	91.66	-4,529.22	-11,120.67	1,566.80	1,016.02	550.78	2.845	ES					
18,207.36	7,001.00	17,312.00	7,020.41	283.82	282.00	91.66	-4,529.22	-11,120.67	1,566.77	1,016.21	550.57	2.846	CC					
18,300.00	7,001.00	17,231.15	7,020.09	286.15	279.81	91.65	-4,528.87	-11,201.52	1,569.09	1,018.92	550.17	2.852						
18,400.00	7,001.00	17,119.63	7,018.57	288.68	276.79	91.59	-4,529.30	-11,313.03	1,574.14	1,023.66	550.49	2.860						
18,500.00	7,001.00	17,008.87	7,017.47	291.24	273.79	91.54	-4,530.05	-11,423.78	1,581.77	1,031.01	550.76	2.872						
18,600.00	7,001.00	16,908.55	7,018.56	293.80	271.07	91.57	-4,531.45	-11,524.08	1,588.94	1,038.22	550.73	2.885						
18,700.00	7,001.00	16,785.89	7,019.81	296.36	267.75	91.61	-4,533.77	-11,646.71	1,595.65	1,044.42	551.24	2.895						
18,800.00	7,001.00	16,666.63	7,018.85	298.93	264.53	91.57	-4,537.86	-11,765.89	1,600.73	1,049.15	551.59	2.902						
18,900.00	7,001.00	16,571.31	7,016.83	301.50	261.96	91.49	-4,541.55	-11,861.12	1,605.36	1,053.89	551.47	2.911						
19,000.00	7,001.00	16,514.00	7,014.44	304.07	260.41	91.41	-4,543.38	-11,918.35	1,611.04	1,060.58	550.46	2.927						
19,100.00	7,001.00	16,441.35	7,010.89	306.65	258.45	91.28	-4,544.11	-11,990.90	1,618.72	1,069.11	549.61	2.945						
19,200.00	7,001.00	16,379.29	7,008.29	309.23	256.77	91.18	-4,542.82	-12,052.89	1,629.19	1,080.98	548.21	2.972						
19,300.00	7,001.00	16,302.94	7,006.24	311.81	254.69	91.10	-4,539.72	-12,129.15	1,641.66	1,094.45	547.21	3.000						
19,400.00	7,001.00	16,171.55	7,003.82	314.39	251.13	91.00	-4,534.90	-12,260.43	1,653.89	1,105.42	548.46	3.015						
19,500.00	7,001.00	16,026.83	7,001.94	316.97	247.20	90.93	-4,533.41	-12,405.12	1,663.40	1,113.49	549.91	3.025						
19,600.00	7,001.00	15,926.76	6,999.02	319.56	244.49	90.83	-4,534.09	-12,505.14	1,671.22	1,121.34	549.88	3.039						
19,700.00	7,001.00	15,854.00	6,997.20	322.15	242.52	90.76	-4,533.22	-12,577.87	1,680.74	1,131.74	549.01	3.061						
19,800.00	7,001.00	15,760.87	6,995.78	324.74	240.00	90.71	-4,531.20	-12,670.97	1,691.39	1,142.64	548.75	3.082						
19,900.00	7,001.00	15,658.45	6,994.64	327.33	237.22	90.66	-4,529.53	-12,773.37	1,701.40	1,152.59	548.81	3.100						
20,000.00	7,001.00	15,548.31	6,993.17	329.92	234.24	90.61	-4,528.18	-12,883.49	1,708.44	1,159.33	549.11	3.111						
20,100.00	7,001.00	15,421.70	6,992.02	332.49	230.81	90.57	-4,527.68	-13,010.09	1,711.23	1,161.38	549.86	3.112						
20,200.00	7,001.00	15,305.61	6,993.28	335.04	227.67	90.61	-4,529.30	-13,126.16	1,709.57	1,159.32	550.25	3.107						
20,300.00	7,001.00	15,201.80	6,993.38	337.60	224.86	90.62	-4,531.09	-13,229.95	1,707.47	1,157.14	550.33	3.103						
20,400.00	7,001.00	15,099.00	6,992.87	340.16	222.09	90.60	-4,533.61	-13,332.72	1,704.62	1,154.24	550.39	3.097						
20,500.00	7,001.00	15,023.58	6,991.16	342.72	220.05	90.54	-4,534.97	-13,408.11	1,702.57	1,152.81	549.77	3.097						
20,600.00	7,001.00	14,933.33	6,987.87	345.29	217.61	90.43	-4,534.91	-13,498.30	1,702.20	1,152.73	549.47	3.098						
20,700.00	7,001.00	14,832.31	6,984.70	347.86	214.88	90.33	-4,534.89	-13,599.27	1,701.84	1,152.36	549.47	3.097						
20,800.00	7,001.00	14,718.89	6,981.56	350.43	211.81	90.22	-4,535.27	-13,712.64	1,701.12	1,151.30	549.82	3.094						
20,900.00	7,001.00	14,625.00	6,979.41	353.00	209.27	90.15	-4,536.15	-13,806.50	1,699.82	1,150.19	549.64	3.093						
20,976.58	7,001.00	14,562.19	6,978.38	354.98	207.57	90.11	-4,536.38	-13,869.30	1,699.31	1,150.08	549.23	3.094						
21,000.00	7,001.00	14,545.41	6,978.25	355.58	207.12	90.11	-4,536.28	-13,886.09	1,699.35	1,150.32	549.03	3.095						
21,100.00	7,001.00	14,401.39	6,977.49	358.16	203.23	90.08	-4,537.33	-14,030.09	1,698.16	1,147.96	550.21	3.086						
21,121.77	7,001.00	14,382.58	6,977.29	358.72	202.72	90.08	-4,537.66	-14,048.89	1,697.70	1,147.57	550.13	3.086						

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
6,000.00	4,472.54	17,365.00	7,068.05	66.51	281.92	79.92	-4,862.21	-11,122.17	10,093.86	9,985.70	108.16	93.325		
6,100.00	4,534.32	17,365.00	7,068.05	67.96	281.92	79.92	-4,862.21	-11,122.17	10,034.43	9,926.37	108.06	92.861		
6,200.00	4,596.09	17,365.00	7,068.05	69.42	281.92	79.92	-4,862.21	-11,122.17	9,975.64	9,867.68	107.96	92.397		
6,300.00	4,657.87	17,365.00	7,068.05	70.88	281.92	79.92	-4,862.21	-11,122.17	9,917.52	9,809.64	107.88	91.933		
6,400.00	4,719.64	17,365.00	7,068.05	72.33	281.92	79.92	-4,862.21	-11,122.17	9,860.06	9,752.26	107.80	91.466		
6,500.00	4,781.42	17,365.00	7,068.05	73.79	281.92	79.92	-4,862.21	-11,122.17	9,803.29	9,695.56	107.73	90.996		
6,600.00	4,843.20	17,365.00	7,068.05	75.25	281.92	79.92	-4,862.21	-11,122.17	9,747.22	9,639.54	107.68	90.520		
6,700.00	4,904.97	17,365.00	7,068.05	76.71	281.92	79.92	-4,862.21	-11,122.17	9,691.85	9,584.21	107.64	90.037		
6,800.00	4,966.75	17,365.00	7,068.05	78.16	281.92	79.92	-4,862.21	-11,122.17	9,637.20	9,529.57	107.63	89.544		
6,900.00	5,028.52	17,365.00	7,068.05	79.62	281.92	79.92	-4,862.21	-11,122.17	9,583.28	9,475.65	107.63	89.037		
7,000.00	5,090.30	17,365.00	7,068.05	81.08	281.92	79.92	-4,862.21	-11,122.17	9,530.11	9,422.44	107.67	88.515		
7,100.00	5,152.08	17,365.00	7,068.05	82.54	281.92	79.92	-4,862.21	-11,122.17	9,477.70	9,369.96	107.74	87.972		
7,200.00	5,213.85	17,365.00	7,068.05	83.99	281.92	79.92	-4,862.21	-11,122.17	9,426.05	9,318.21	107.84	87.404		
7,300.00	5,275.63	17,365.00	7,068.05	85.45	281.92	79.92	-4,862.21	-11,122.17	9,375.19	9,267.18	108.00	86.805		
7,400.00	5,337.40	17,365.00	7,068.05	86.91	281.92	79.92	-4,862.21	-11,122.17	9,325.12	9,216.90	108.22	86.170		
7,500.00	5,399.18	17,365.00	7,068.05	88.37	281.92	79.92	-4,862.21	-11,122.17	9,275.86	9,167.36	108.50	85.492		
7,600.00	5,460.95	17,365.00	7,068.05	89.83	281.92	79.92	-4,862.21	-11,122.17	9,227.42	9,118.55	108.86	84.763		
7,700.00	5,522.73	17,365.00	7,068.05	91.29	281.92	79.92	-4,862.21	-11,122.17	9,179.81	9,070.49	109.32	83.973		
7,800.00	5,584.51	17,365.00	7,068.05	92.75	281.92	79.92	-4,862.21	-11,122.17	9,133.05	9,023.17	109.88	83.115		
7,900.00	5,646.28	17,365.00	7,068.05	94.20	281.92	79.92	-4,862.21	-11,122.17	9,087.15	8,976.57	110.58	82.179		
8,000.00	5,708.06	17,365.00	7,068.05	95.66	281.92	79.92	-4,862.21	-11,122.17	9,042.12	8,930.71	111.42	81.156		
8,100.00	5,769.83	17,365.00	7,068.05	97.12	281.92	79.92	-4,862.21	-11,122.17	8,997.98	8,885.56	112.42	80.038		
8,200.00	5,831.61	17,365.00	7,068.05	98.58	281.92	79.92	-4,862.21	-11,122.17	8,954.74	8,841.13	113.61	78.820		
8,300.00	5,893.39	17,365.00	7,068.05	100.04	281.92	79.92	-4,862.21	-11,122.17	8,912.41	8,797.41	115.00	77.500		
8,400.00	5,955.16	17,365.00	7,068.05	101.50	281.92	79.92	-4,862.21	-11,122.17	8,871.01	8,754.41	116.60	76.080		
8,500.00	6,016.94	17,365.00	7,068.05	102.96	281.92	79.92	-4,862.21	-11,122.17	8,830.54	8,712.12	118.43	74.566		
8,600.00	6,078.71	17,365.00	7,068.05	104.42	281.92	79.92	-4,862.21	-11,122.17	8,791.03	8,670.55	120.48	72.969		
8,700.00	6,140.49	17,365.00	7,068.05	105.88	281.92	79.92	-4,862.21	-11,122.17	8,752.48	8,629.73	122.75	71.304		
8,800.00	6,202.26	17,365.00	7,068.05	107.34	281.92	79.92	-4,862.21	-11,122.17	8,714.91	8,589.67	125.24	69.588		
8,900.00	6,264.04	17,365.00	7,068.05	108.80	281.92	79.92	-4,862.21	-11,122.17	8,678.32	8,550.40	127.92	67.840		
9,000.00	6,325.82	17,365.00	7,068.05	110.26	281.92	79.92	-4,862.21	-11,122.17	8,642.74	8,511.95	130.80	66.078		
9,100.00	6,387.59	17,365.00	7,068.05	111.72	281.92	79.92	-4,862.21	-11,122.17	8,608.18	8,474.34	133.84	64.318		
9,200.00	6,449.37	17,365.00	7,068.05	113.18	281.92	79.92	-4,862.21	-11,122.17	8,574.64	8,437.60	137.03	62.574		
9,300.00	6,511.14	17,365.00	7,068.05	114.64	281.92	79.92	-4,862.21	-11,122.17	8,542.14	8,401.78	140.36	60.859		
9,400.00	6,572.92	17,365.00	7,068.05	116.10	281.92	79.92	-4,862.21	-11,122.17	8,510.69	8,366.88	143.81	59.182		
9,500.00	6,634.70	17,365.00	7,068.05	117.56	281.92	79.92	-4,862.21	-11,122.17	8,480.30	8,332.94	147.35	57.550		
9,600.00	6,696.47	17,365.00	7,068.05	119.02	281.92	79.92	-4,862.21	-11,122.17	8,450.99	8,299.99	151.00	55.969		
9,700.00	6,758.22	17,365.00	7,068.05	120.48	281.92	79.13	-4,862.21	-11,122.17	8,422.66	8,267.94	154.71	54.440		
9,800.00	6,817.23	17,365.00	7,068.05	122.00	281.92	72.74	-4,862.21	-11,122.17	8,385.53	8,227.09	158.44	52.926		
9,900.00	6,870.40	17,365.00	7,068.05	123.58	281.92	67.87	-4,862.21	-11,122.17	8,333.87	8,171.84	162.03	51.434		
10,000.00	6,916.13	17,365.00	7,068.05	125.16	281.92	64.69	-4,862.21	-11,122.17	8,268.99	8,103.63	165.36	50.006		
10,100.00	6,953.01	17,365.00	7,068.05	126.69	281.92	63.44	-4,862.21	-11,122.17	8,192.59	8,024.28	168.31	48.677		
10,200.00	6,979.94	17,365.00	7,068.05	128.11	281.92	64.86	-4,862.21	-11,122.17	8,106.68	7,935.92	170.76	47.475		
10,300.00	6,996.09	17,365.00	7,068.05	129.37	281.92	71.63	-4,862.21	-11,122.17	8,013.62	7,841.01	172.61	46.426		
10,400.00	7,001.00	17,365.00	7,068.05	130.45	281.92	93.90	-4,862.21	-11,122.17	7,916.05	7,742.26	173.79	45.550		
10,500.00	7,001.00	17,365.00	7,068.05	131.44	281.92	93.90	-4,862.21	-11,122.17	7,817.29	7,642.62	174.67	44.754		
10,600.00	7,001.00	17,365.00	7,068.05	132.48	281.92	93.90	-4,862.21	-11,122.17	7,718.56	7,542.99	175.58	43.961		
10,700.00	7,001.00	17,365.00	7,068.05	133.54	281.92	93.90	-4,862.21	-11,122.17	7,619.87	7,443.36	176.51	43.170		
10,800.00	7,001.00	17,365.00	7,068.05	134.64	281.92	93.90	-4,862.21	-11,122.17	7,521.21	7,343.74	177.47	42.381		
10,900.00	7,001.00	17,365.00	7,068.05	135.77	281.92	93.90	-4,862.21	-11,122.17	7,422.59	7,244.14	178.45	41.594		
11,000.00	7,001.00	17,365.00	7,068.05	136.94	281.92	93.90	-4,862.21	-11,122.17	7,324.01	7,144.54	179.47	40.810		
11,100.00	7,001.00	17,365.00	7,068.05	138.14	281.92	93.90	-4,862.21	-11,122.17	7,225.46	7,044.95	180.51	40.028		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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						
11,200.00	7,001.00	17,365.00	7,068.05	139.38	281.92	93.90	-4,862.21	-11,122.17	7,126.95	6,945.37	181.58	39.249						
11,300.00	7,001.00	17,365.00	7,068.05	140.65	281.92	93.90	-4,862.21	-11,122.17	7,028.49	6,845.80	182.69	38.472						
11,400.00	7,001.00	17,365.00	7,068.05	141.95	281.92	93.90	-4,862.21	-11,122.17	6,930.07	6,746.24	183.83	37.699						
11,500.00	7,001.00	17,365.00	7,068.05	143.29	281.92	93.90	-4,862.21	-11,122.17	6,831.70	6,646.70	185.00	36.928						
11,600.00	7,001.00	17,365.00	7,068.05	144.66	281.92	93.90	-4,862.21	-11,122.17	6,733.37	6,547.16	186.21	36.160						
11,700.00	7,001.00	17,365.00	7,068.05	146.06	281.92	93.90	-4,862.21	-11,122.17	6,635.10	6,447.64	187.46	35.395						
11,800.00	7,001.00	17,365.00	7,068.05	147.50	281.92	93.90	-4,862.21	-11,122.17	6,536.87	6,348.13	188.74	34.634						
11,900.00	7,001.00	17,365.00	7,068.05	148.97	281.92	93.90	-4,862.21	-11,122.17	6,438.70	6,248.63	190.07	33.875						
12,000.00	7,001.00	17,365.00	7,068.05	150.47	281.92	93.90	-4,862.21	-11,122.17	6,340.59	6,149.15	191.44	33.121						
12,100.00	7,001.00	17,365.00	7,068.05	152.00	281.92	93.90	-4,862.21	-11,122.17	6,242.54	6,049.68	192.85	32.369						
12,200.00	7,001.00	17,365.00	7,068.05	153.57	281.92	93.90	-4,862.21	-11,122.17	6,144.55	5,950.23	194.32	31.621						
12,300.00	7,001.00	17,365.00	7,068.05	155.16	281.92	93.90	-4,862.21	-11,122.17	6,046.63	5,850.80	195.83	30.877						
12,400.00	7,001.00	17,365.00	7,068.05	156.79	281.92	93.90	-4,862.21	-11,122.17	5,948.77	5,751.38	197.39	30.137						
12,500.00	7,001.00	17,365.00	7,068.05	158.44	281.92	93.90	-4,862.21	-11,122.17	5,850.99	5,651.99	199.01	29.401						
12,600.00	7,001.00	17,365.00	7,068.05	160.13	281.92	93.90	-4,862.21	-11,122.17	5,753.29	5,552.61	200.68	28.669						
12,700.00	7,001.00	17,365.00	7,068.05	161.84	281.92	93.90	-4,862.21	-11,122.17	5,655.66	5,453.25	202.41	27.941						
12,800.00	7,001.00	17,365.00	7,068.05	163.58	281.92	93.90	-4,862.21	-11,122.17	5,558.12	5,353.92	204.21	27.218						
12,900.00	7,001.00	17,365.00	7,068.05	165.35	281.92	93.90	-4,862.21	-11,122.17	5,460.67	5,254.60	206.07	26.499						
13,000.00	7,001.00	17,365.00	7,068.05	167.14	281.92	93.90	-4,862.21	-11,122.17	5,363.31	5,155.32	208.00	25.785						
13,100.00	7,001.00	17,365.00	7,068.05	168.97	281.92	93.90	-4,862.21	-11,122.17	5,266.06	5,056.05	210.00	25.076						
13,200.00	7,001.00	17,365.00	7,068.05	170.81	281.92	93.90	-4,862.21	-11,122.17	5,168.90	4,956.82	212.08	24.372						
13,300.00	7,001.00	17,365.00	7,068.05	172.68	281.92	93.90	-4,862.21	-11,122.17	5,071.86	4,857.62	214.24	23.674						
13,400.00	7,001.00	17,365.00	7,068.05	174.58	281.92	93.90	-4,862.21	-11,122.17	4,974.93	4,758.45	216.48	22.981						
13,500.00	7,001.00	17,365.00	7,068.05	176.50	281.92	93.90	-4,862.21	-11,122.17	4,878.13	4,659.31	218.82	22.293						
13,600.00	7,001.00	17,365.00	7,068.05	178.44	281.92	93.90	-4,862.21	-11,122.17	4,781.46	4,560.21	221.25	21.611						
13,700.00	7,001.00	17,365.00	7,068.05	180.41	281.92	93.90	-4,862.21	-11,122.17	4,684.93	4,461.15	223.78	20.935						
13,800.00	7,001.00	17,365.00	7,068.05	182.39	281.92	93.90	-4,862.21	-11,122.17	4,588.55	4,362.13	226.42	20.266						
13,900.00	7,001.00	17,365.00	7,068.05	184.40	281.92	93.90	-4,862.21	-11,122.17	4,492.32	4,263.16	229.16	19.603						
14,000.00	7,001.00	17,365.00	7,068.05	186.43	281.92	93.90	-4,862.21	-11,122.17	4,396.27	4,164.24	232.03	18.947						
14,100.00	7,001.00	17,365.00	7,068.05	188.48	281.92	93.90	-4,862.21	-11,122.17	4,300.39	4,065.37	235.03	18.297						
14,200.00	7,001.00	17,365.00	7,068.05	190.54	281.92	93.90	-4,862.21	-11,122.17	4,204.71	3,966.55	238.16	17.655						
14,300.00	7,001.00	17,365.00	7,068.05	192.63	281.92	93.90	-4,862.21	-11,122.17	4,109.23	3,867.80	241.43	17.021						
14,400.00	7,001.00	17,365.00	7,068.05	194.73	281.92	93.90	-4,862.21	-11,122.17	4,013.98	3,769.12	244.85	16.393						
14,500.00	7,001.00	17,365.00	7,068.05	196.85	281.92	93.90	-4,862.21	-11,122.17	3,918.95	3,670.52	248.44	15.774						
14,600.00	7,001.00	17,365.00	7,068.05	198.99	281.92	93.90	-4,862.21	-11,122.17	3,824.19	3,571.99	252.19	15.164						
14,700.00	7,001.00	17,365.00	7,068.05	201.14	281.92	93.90	-4,862.21	-11,122.17	3,729.69	3,473.56	256.13	14.561						
14,800.00	7,001.00	17,365.00	7,068.05	203.31	281.92	93.90	-4,862.21	-11,122.17	3,635.49	3,375.22	260.27	13.968						
14,900.00	7,001.00	17,365.00	7,068.05	205.50	281.92	93.90	-4,862.21	-11,122.17	3,541.61	3,277.00	264.62	13.384						
15,000.00	7,001.00	17,365.00	7,068.05	207.70	281.92	93.90	-4,862.21	-11,122.17	3,448.08	3,178.89	269.19	12.809						
15,100.00	7,001.00	17,365.00	7,068.05	209.91	281.92	93.90	-4,862.21	-11,122.17	3,354.91	3,080.92	273.99	12.245						
15,200.00	7,001.00	17,365.00	7,068.05	212.14	281.92	93.90	-4,862.21	-11,122.17	3,262.15	2,983.10	279.05	11.690						
15,300.00	7,001.00	17,365.00	7,068.05	214.38	281.92	93.90	-4,862.21	-11,122.17	3,169.83	2,885.44	284.39	11.146						
15,400.00	7,001.00	17,365.00	7,068.05	216.64	281.92	93.90	-4,862.21	-11,122.17	3,077.99	2,787.98	290.02	10.613						
15,500.00	7,001.00	17,365.00	7,068.05	218.90	281.92	93.90	-4,862.21	-11,122.17	2,986.68	2,690.72	295.96	10.092						
15,600.00	7,001.00	17,365.00	7,068.05	221.18	281.92	93.90	-4,862.21	-11,122.17	2,895.94	2,593.71	302.23	9.582						
15,700.00	7,001.00	17,365.00	7,068.05	223.47	281.92	93.90	-4,862.21	-11,122.17	2,805.83	2,496.96	308.86	9.084						
15,800.00	7,001.00	17,365.00	7,068.05	225.78	281.92	93.90	-4,862.21	-11,122.17	2,716.41	2,400.53	315.88	8.600						
15,900.00	7,001.00	17,365.00	7,068.05	228.09	281.92	93.90	-4,862.21	-11,122.17	2,627.75	2,304.45	323.30	8.128						
16,000.00	7,001.00	17,365.00	7,068.05	230.41	281.92	93.90	-4,862.21	-11,122.17	2,539.94	2,208.78	331.16	7.670						
16,100.00	7,001.00	17,365.00	7,068.05	232.75	281.92	93.90	-4,862.21	-11,122.17	2,453.05	2,113.58	339.48	7.226						
16,200.00	7,001.00	17,365.00	7,068.05	235.09	281.92	93.90	-4,862.21	-11,122.17	2,367.21	2,018.92	348.29	6.797						
16,300.00	7,001.00	17,365.00	7,068.05	237.45	281.92	93.90	-4,862.21	-11,122.17	2,282.52	1,924.91	357.61	6.383						

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
16,400.00	7,001.00	17,365.00	7,068.05	239.81	281.92	93.90	-4,862.21	-11,122.17	2,199.11	1,831.64	367.47	5.984		
16,500.00	7,001.00	17,365.00	7,068.05	242.18	281.92	93.90	-4,862.21	-11,122.17	2,117.14	1,739.25	377.90	5.602		
16,600.00	7,001.00	17,365.00	7,068.05	244.56	281.92	93.90	-4,862.21	-11,122.17	2,036.79	1,647.89	388.89	5.237		
16,700.00	7,001.00	17,365.00	7,068.05	246.95	281.92	93.90	-4,862.21	-11,122.17	1,958.24	1,557.77	400.47	4.890		
16,800.00	7,001.00	17,365.00	7,068.05	249.35	281.92	93.90	-4,862.21	-11,122.17	1,881.73	1,469.11	412.62	4.560		
16,900.00	7,001.00	17,365.00	7,068.05	251.75	281.92	93.90	-4,862.21	-11,122.17	1,807.51	1,382.21	425.31	4.250		
17,000.00	7,001.00	17,365.00	7,068.05	254.17	281.92	93.90	-4,862.21	-11,122.17	1,735.89	1,297.40	438.49	3.959		
17,100.00	7,001.00	17,365.00	7,068.05	256.59	281.92	93.90	-4,862.21	-11,122.17	1,667.19	1,215.11	452.08	3.688		
17,200.00	7,001.00	17,365.00	7,068.05	259.01	281.92	93.90	-4,862.21	-11,122.17	1,601.79	1,135.84	465.94	3.438		
17,300.00	7,001.00	17,365.00	7,068.05	261.45	281.92	93.90	-4,862.21	-11,122.17	1,540.11	1,060.20	479.90	3.209		
17,400.00	7,001.00	17,365.00	7,068.05	263.89	281.92	93.90	-4,862.21	-11,122.17	1,482.61	988.89	493.72	3.003		
17,500.00	7,001.00	17,365.00	7,068.05	266.34	281.92	93.90	-4,862.21	-11,122.17	1,429.80	922.73	507.07	2.820		
17,600.00	7,001.00	17,365.00	7,068.05	268.79	281.92	93.90	-4,862.21	-11,122.17	1,382.22	862.64	519.58	2.660		
17,700.00	7,001.00	17,365.00	7,068.05	271.25	281.92	93.90	-4,862.21	-11,122.17	1,340.43	809.64	530.79	2.525		
17,800.00	7,001.00	17,365.00	7,068.05	273.72	281.92	93.90	-4,862.21	-11,122.17	1,304.97	764.78	540.19	2.416		
17,900.00	7,001.00	17,365.00	7,068.05	276.19	281.92	93.90	-4,862.21	-11,122.17	1,276.38	729.09	547.30	2.332		
18,000.00	7,001.00	17,365.00	7,068.05	278.67	281.92	93.90	-4,862.21	-11,122.17	1,255.13	703.52	551.62	2.275		
18,100.00	7,001.00	17,365.00	7,068.05	281.15	281.92	93.90	-4,862.21	-11,122.17	1,241.60	688.82	552.77	2.246		
18,200.00	7,001.00	17,365.00	7,068.05	283.64	281.92	93.90	-4,862.21	-11,122.17	1,236.05	685.51	550.54	2.245 ES, SF		
18,209.66	7,001.00	17,365.00	7,068.05	283.88	281.92	93.90	-4,862.21	-11,122.17	1,236.00	685.86	550.14	2.247 CC		
18,300.00	7,001.00	17,284.94	7,067.29	286.15	279.75	93.86	-4,861.99	-11,202.23	1,238.13	688.46	549.66	2.253		
18,400.00	7,001.00	17,174.66	7,065.38	288.68	276.76	93.76	-4,862.19	-11,312.49	1,243.32	693.20	550.12	2.260		
18,500.00	7,001.00	17,080.85	7,062.29	291.24	274.22	93.60	-4,862.38	-11,406.25	1,251.20	701.33	549.87	2.275		
18,600.00	7,001.00	16,991.31	7,058.56	293.80	271.79	93.41	-4,861.95	-11,495.71	1,259.96	710.54	549.42	2.293		
18,700.00	7,001.00	16,907.00	7,057.03	296.36	269.50	93.32	-4,860.80	-11,579.99	1,269.73	721.09	548.65	2.314		
18,800.00	7,001.00	16,814.62	7,056.74	298.93	266.99	93.28	-4,858.83	-11,672.35	1,280.37	732.13	548.24	2.335		
18,900.00	7,001.00	16,707.96	7,055.46	301.50	264.10	93.19	-4,856.53	-11,778.98	1,290.98	742.39	548.59	2.353		
19,000.00	7,001.00	16,612.09	7,053.47	304.07	261.49	93.08	-4,854.50	-11,874.81	1,301.50	753.12	548.39	2.373		
19,100.00	7,001.00	16,506.58	7,050.63	306.65	258.63	92.93	-4,852.08	-11,980.25	1,312.19	763.51	548.68	2.392		
19,200.00	7,001.00	16,383.21	7,050.91	309.23	255.29	92.91	-4,851.69	-12,103.61	1,320.95	771.24	549.72	2.403		
19,300.00	7,001.00	16,254.31	7,051.19	311.81	251.80	92.90	-4,852.78	-12,232.50	1,328.78	778.02	550.76	2.413		
19,400.00	7,001.00	16,161.32	7,051.30	314.39	249.28	92.90	-4,854.94	-12,325.46	1,335.01	784.51	550.50	2.425		
19,500.00	7,001.00	16,038.25	7,051.46	316.97	245.96	92.89	-4,858.44	-12,448.48	1,340.69	789.50	551.18	2.432		
19,600.00	7,001.00	15,940.39	7,051.76	319.56	243.32	92.89	-4,861.95	-12,546.27	1,345.67	794.57	551.10	2.442		
19,700.00	7,001.00	15,846.27	7,051.46	322.15	240.78	92.87	-4,864.83	-12,640.35	1,351.12	800.22	550.91	2.453		
19,800.00	7,001.00	15,743.25	7,051.00	324.74	238.00	92.84	-4,868.16	-12,743.31	1,356.41	805.44	550.98	2.462		
19,900.00	7,001.00	15,647.63	7,050.49	327.33	235.42	92.80	-4,870.96	-12,838.89	1,361.86	811.03	550.83	2.472		
20,000.00	7,001.00	15,546.92	7,051.96	329.92	232.70	92.85	-4,874.11	-12,939.54	1,364.64	813.82	550.82	2.477		
20,100.00	7,001.00	15,450.34	7,052.28	332.49	230.09	92.87	-4,876.80	-13,036.08	1,364.20	813.50	550.70	2.477		
20,200.00	7,001.00	15,361.31	7,052.13	335.04	227.69	92.87	-4,879.09	-13,125.09	1,361.41	811.07	550.34	2.474		
20,300.00	7,001.00	15,284.21	7,052.98	337.60	225.60	92.91	-4,879.91	-13,202.17	1,360.02	810.54	549.48	2.475		
20,350.03	7,001.00	15,242.24	7,053.70	338.88	224.47	92.94	-4,879.92	-13,244.13	1,359.87	810.73	549.14	2.476		
20,400.00	7,001.00	15,208.00	7,054.33	340.16	223.54	92.96	-4,879.75	-13,278.37	1,360.04	811.61	548.43	2.480		
20,500.00	7,001.00	15,138.80	7,055.58	342.72	221.67	93.01	-4,878.21	-13,347.53	1,362.09	815.25	546.84	2.491		
20,600.00	7,001.00	15,031.62	7,057.03	345.29	218.76	93.07	-4,873.86	-13,454.61	1,365.89	818.69	547.19	2.496		
20,700.00	7,001.00	14,925.51	7,057.09	347.86	215.89	93.06	-4,870.75	-13,560.68	1,368.44	820.94	547.50	2.499		
20,800.00	7,001.00	14,813.88	7,055.39	350.43	212.86	92.99	-4,867.97	-13,672.26	1,370.48	822.40	548.08	2.501		
20,900.00	7,001.00	14,695.42	7,052.41	353.00	209.65	92.86	-4,866.31	-13,790.67	1,371.38	822.45	548.93	2.498		
20,972.59	7,001.00	14,619.54	7,050.84	354.87	207.60	92.79	-4,866.02	-13,866.54	1,371.30	822.23	549.07	2.497		
21,000.00	7,001.00	14,597.54	7,050.68	355.58	207.00	92.79	-4,865.89	-13,888.53	1,371.36	822.52	548.84	2.499		
21,100.00	7,001.00	14,518.49	7,051.53	358.16	204.86	92.82	-4,864.75	-13,967.56	1,372.49	824.63	547.86	2.505		
21,121.77	7,001.00	14,501.75	7,051.75	358.72	204.41	92.83	-4,864.34	-13,984.30	1,372.94	825.34	547.61	2.507		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
6,200.00	4,596.09	17,484.00	7,343.44	69.42	282.45	80.71	-5,032.64	-11,098.31	10,052.53	9,939.29	113.24	88.774		
6,300.00	4,657.87	17,484.00	7,343.44	70.88	282.45	80.71	-5,032.64	-11,098.31	9,992.02	9,878.86	113.16	88.303		
6,400.00	4,719.64	17,484.00	7,343.44	72.33	282.45	80.71	-5,032.64	-11,098.31	9,932.14	9,819.06	113.08	87.833		
6,500.00	4,781.42	17,484.00	7,343.44	73.79	282.45	80.71	-5,032.64	-11,098.31	9,872.92	9,759.91	113.01	87.364		
6,600.00	4,843.20	17,484.00	7,343.44	75.25	282.45	80.71	-5,032.64	-11,098.31	9,814.35	9,701.41	112.95	86.893		
6,700.00	4,904.97	17,484.00	7,343.44	76.71	282.45	80.71	-5,032.64	-11,098.31	9,756.46	9,643.57	112.89	86.421		
6,800.00	4,966.75	17,484.00	7,343.44	78.16	282.45	80.71	-5,032.64	-11,098.31	9,699.26	9,586.41	112.85	85.946		
6,900.00	5,028.52	17,484.00	7,343.44	79.62	282.45	80.71	-5,032.64	-11,098.31	9,642.76	9,529.93	112.83	85.466		
7,000.00	5,090.30	17,484.00	7,343.44	81.08	282.45	80.71	-5,032.64	-11,098.31	9,586.96	9,474.14	112.82	84.979		
7,100.00	5,152.08	17,484.00	7,343.44	82.54	282.45	80.71	-5,032.64	-11,098.31	9,531.89	9,419.06	112.83	84.483		
7,200.00	5,213.85	17,484.00	7,343.44	83.99	282.45	80.71	-5,032.64	-11,098.31	9,477.55	9,364.69	112.86	83.975		
7,300.00	5,275.63	17,484.00	7,343.44	85.45	282.45	80.71	-5,032.64	-11,098.31	9,423.96	9,311.03	112.93	83.453		
7,400.00	5,337.40	17,484.00	7,343.44	86.91	282.45	80.71	-5,032.64	-11,098.31	9,371.13	9,258.10	113.02	82.913		
7,500.00	5,399.18	17,484.00	7,343.44	88.37	282.45	80.71	-5,032.64	-11,098.31	9,319.07	9,205.91	113.16	82.350		
7,600.00	5,460.95	17,484.00	7,343.44	89.83	282.45	80.71	-5,032.64	-11,098.31	9,267.80	9,154.45	113.35	81.761		
7,700.00	5,522.73	17,484.00	7,343.44	91.29	282.45	80.71	-5,032.64	-11,098.31	9,217.33	9,103.73	113.60	81.140		
7,800.00	5,584.51	17,484.00	7,343.44	92.75	282.45	80.71	-5,032.64	-11,098.31	9,167.67	9,053.76	113.91	80.481		
7,900.00	5,646.28	17,484.00	7,343.44	94.20	282.45	80.71	-5,032.64	-11,098.31	9,118.84	9,004.54	114.30	79.778		
8,000.00	5,708.06	17,484.00	7,343.44	95.66	282.45	80.71	-5,032.64	-11,098.31	9,070.85	8,956.06	114.79	79.023		
8,100.00	5,769.83	17,484.00	7,343.44	97.12	282.45	80.71	-5,032.64	-11,098.31	9,023.71	8,908.33	115.38	78.209		
8,200.00	5,831.61	17,484.00	7,343.44	98.58	282.45	80.71	-5,032.64	-11,098.31	8,977.44	8,861.35	116.10	77.328		
8,300.00	5,893.39	17,484.00	7,343.44	100.04	282.45	80.71	-5,032.64	-11,098.31	8,932.05	8,815.10	116.95	76.373		
8,400.00	5,955.16	17,484.00	7,343.44	101.50	282.45	80.71	-5,032.64	-11,098.31	8,887.55	8,769.58	117.97	75.338		
8,500.00	6,016.94	17,484.00	7,343.44	102.96	282.45	80.71	-5,032.64	-11,098.31	8,843.96	8,724.80	119.16	74.217		
8,600.00	6,078.71	17,484.00	7,343.44	104.42	282.45	80.71	-5,032.64	-11,098.31	8,801.29	8,680.74	120.55	73.010		
8,700.00	6,140.49	17,484.00	7,343.44	105.88	282.45	80.71	-5,032.64	-11,098.31	8,759.55	8,637.41	122.14	71.716		
8,800.00	6,202.26	17,484.00	7,343.44	107.34	282.45	80.71	-5,032.64	-11,098.31	8,718.76	8,594.81	123.95	70.342		
8,900.00	6,264.04	17,484.00	7,343.44	108.80	282.45	80.71	-5,032.64	-11,098.31	8,678.93	8,552.96	125.98	68.894		
9,000.00	6,325.82	17,484.00	7,343.44	110.26	282.45	80.71	-5,032.64	-11,098.31	8,640.08	8,511.86	128.22	67.385		
9,100.00	6,387.59	17,484.00	7,343.44	111.72	282.45	80.71	-5,032.64	-11,098.31	8,602.21	8,471.53	130.68	65.829		
9,200.00	6,449.37	17,484.00	7,343.44	113.18	282.45	80.71	-5,032.64	-11,098.31	8,565.34	8,432.01	133.33	64.241		
9,300.00	6,511.14	17,484.00	7,343.44	114.64	282.45	80.71	-5,032.64	-11,098.31	8,529.49	8,393.31	136.18	62.635		
9,400.00	6,572.92	17,484.00	7,343.44	116.10	282.45	80.71	-5,032.64	-11,098.31	8,494.66	8,355.46	139.19	61.028		
9,500.00	6,634.70	17,484.00	7,343.44	117.56	282.45	80.71	-5,032.64	-11,098.31	8,460.86	8,318.50	142.37	59.430		
9,600.00	6,696.47	17,484.00	7,343.44	119.02	282.45	80.71	-5,032.64	-11,098.31	8,428.12	8,282.45	145.68	57.854		
9,700.00	6,758.22	17,484.00	7,343.44	120.48	282.45	79.93	-5,032.64	-11,098.31	8,396.35	8,247.23	149.12	56.308		
9,800.00	6,819.97	17,484.00	7,343.44	122.00	282.45	73.64	-5,032.64	-11,098.31	8,355.90	8,203.30	152.59	54.759		
9,900.00	6,881.72	17,484.00	7,343.44	123.58	282.45	68.95	-5,032.64	-11,098.31	8,301.20	8,145.23	155.97	53.224		
10,000.00	6,943.47	17,484.00	7,343.44	125.16	282.45	66.05	-5,032.64	-11,098.31	8,233.66	8,074.56	159.10	51.750		
10,100.00	6,953.01	17,484.00	7,343.44	126.69	282.45	65.30	-5,032.64	-11,098.31	8,155.03	7,993.16	161.87	50.379		
10,200.00	6,979.94	17,484.00	7,343.44	128.11	282.45	67.77	-5,032.64	-11,098.31	8,067.43	7,903.26	164.16	49.143		
10,300.00	6,996.09	17,484.00	7,343.44	129.37	282.45	77.35	-5,032.64	-11,098.31	7,973.25	7,807.38	165.87	48.070		
10,400.00	7,001.00	17,484.00	7,343.44	130.45	282.45	108.69	-5,032.64	-11,098.31	7,875.19	7,708.28	166.91	47.183		
10,500.00	7,001.00	17,484.00	7,343.44	131.44	282.45	108.69	-5,032.64	-11,098.31	7,776.22	7,608.57	167.65	46.383		
10,600.00	7,001.00	17,484.00	7,343.44	132.48	282.45	108.69	-5,032.64	-11,098.31	7,677.28	7,508.86	168.42	45.584		
10,700.00	7,001.00	17,484.00	7,343.44	133.54	282.45	108.69	-5,032.64	-11,098.31	7,578.36	7,409.15	169.21	44.786		
10,800.00	7,001.00	17,484.00	7,343.44	134.64	282.45	108.69	-5,032.64	-11,098.31	7,479.48	7,309.46	170.02	43.990		
10,900.00	7,001.00	17,484.00	7,343.44	135.77	282.45	108.69	-5,032.64	-11,098.31	7,380.63	7,209.77	170.86	43.196		
11,000.00	7,001.00	17,484.00	7,343.44	136.94	282.45	108.69	-5,032.64	-11,098.31	7,281.81	7,110.08	171.72	42.404		
11,100.00	7,001.00	17,484.00	7,343.44	138.14	282.45	108.69	-5,032.64	-11,098.31	7,183.02	7,010.40	172.61	41.614		
11,200.00	7,001.00	17,484.00	7,343.44	139.38	282.45	108.69	-5,032.64	-11,098.31	7,084.26	6,910.73	173.53	40.825		
11,300.00	7,001.00	17,484.00	7,343.44	140.65	282.45	108.69	-5,032.64	-11,098.31	6,985.54	6,811.07	174.47	40.039		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
11,400.00	7,001.00	17,484.00	7,343.44	141.95	282.45	108.69	-5,032.64	-11,098.31	6,886.86	6,711.42	175.44	39.255		
11,500.00	7,001.00	17,484.00	7,343.44	143.29	282.45	108.69	-5,032.64	-11,098.31	6,788.21	6,611.77	176.44	38.473		
11,600.00	7,001.00	17,484.00	7,343.44	144.66	282.45	108.69	-5,032.64	-11,098.31	6,689.61	6,512.13	177.48	37.693		
11,700.00	7,001.00	17,484.00	7,343.44	146.06	282.45	108.69	-5,032.64	-11,098.31	6,591.04	6,412.50	178.54	36.916		
11,800.00	7,001.00	17,484.00	7,343.44	147.50	282.45	108.69	-5,032.64	-11,098.31	6,492.52	6,312.88	179.64	36.141		
11,900.00	7,001.00	17,484.00	7,343.44	148.97	282.45	108.69	-5,032.64	-11,098.31	6,394.05	6,213.27	180.78	35.369		
12,000.00	7,001.00	17,484.00	7,343.44	150.47	282.45	108.69	-5,032.64	-11,098.31	6,295.63	6,113.67	181.96	34.599		
12,100.00	7,001.00	17,484.00	7,343.44	152.00	282.45	108.69	-5,032.64	-11,098.31	6,197.25	6,014.08	183.18	33.832		
12,200.00	7,001.00	17,484.00	7,343.44	153.57	282.45	108.69	-5,032.64	-11,098.31	6,098.93	5,914.50	184.43	33.069		
12,300.00	7,001.00	17,484.00	7,343.44	155.16	282.45	108.69	-5,032.64	-11,098.31	6,000.67	5,814.93	185.73	32.308		
12,400.00	7,001.00	17,484.00	7,343.44	156.79	282.45	108.69	-5,032.64	-11,098.31	5,902.46	5,715.38	187.08	31.550		
12,500.00	7,001.00	17,484.00	7,343.44	158.44	282.45	108.69	-5,032.64	-11,098.31	5,804.31	5,615.84	188.48	30.796		
12,600.00	7,001.00	17,484.00	7,343.44	160.13	282.45	108.69	-5,032.64	-11,098.31	5,706.23	5,516.31	189.92	30.045		
12,700.00	7,001.00	17,484.00	7,343.44	161.84	282.45	108.69	-5,032.64	-11,098.31	5,608.22	5,416.80	191.42	29.298		
12,800.00	7,001.00	17,484.00	7,343.44	163.58	282.45	108.69	-5,032.64	-11,098.31	5,510.27	5,317.30	192.97	28.554		
12,900.00	7,001.00	17,484.00	7,343.44	165.35	282.45	108.69	-5,032.64	-11,098.31	5,412.41	5,217.82	194.59	27.815		
13,000.00	7,001.00	17,484.00	7,343.44	167.14	282.45	108.69	-5,032.64	-11,098.31	5,314.62	5,118.36	196.26	27.079		
13,100.00	7,001.00	17,484.00	7,343.44	168.97	282.45	108.69	-5,032.64	-11,098.31	5,216.91	5,018.91	198.00	26.348		
13,200.00	7,001.00	17,484.00	7,343.44	170.81	282.45	108.69	-5,032.64	-11,098.31	5,119.30	4,919.49	199.81	25.621		
13,300.00	7,001.00	17,484.00	7,343.44	172.68	282.45	108.69	-5,032.64	-11,098.31	5,021.78	4,820.08	201.69	24.898		
13,400.00	7,001.00	17,484.00	7,343.44	174.58	282.45	108.69	-5,032.64	-11,098.31	4,924.35	4,720.70	203.65	24.180		
13,500.00	7,001.00	17,484.00	7,343.44	176.50	282.45	108.69	-5,032.64	-11,098.31	4,827.04	4,621.34	205.69	23.467		
13,600.00	7,001.00	17,484.00	7,343.44	178.44	282.45	108.69	-5,032.64	-11,098.31	4,729.83	4,522.01	207.82	22.760		
13,700.00	7,001.00	17,484.00	7,343.44	180.41	282.45	108.69	-5,032.64	-11,098.31	4,632.74	4,422.71	210.03	22.057		
13,800.00	7,001.00	17,484.00	7,343.44	182.39	282.45	108.69	-5,032.64	-11,098.31	4,535.79	4,323.44	212.35	21.360		
13,900.00	7,001.00	17,484.00	7,343.44	184.40	282.45	108.69	-5,032.64	-11,098.31	4,438.96	4,224.20	214.76	20.669		
14,000.00	7,001.00	17,484.00	7,343.44	186.43	282.45	108.69	-5,032.64	-11,098.31	4,342.28	4,124.99	217.29	19.984		
14,100.00	7,001.00	17,484.00	7,343.44	188.48	282.45	108.69	-5,032.64	-11,098.31	4,245.75	4,025.83	219.93	19.305		
14,200.00	7,001.00	17,484.00	7,343.44	190.54	282.45	108.69	-5,032.64	-11,098.31	4,149.39	3,926.70	222.69	18.633		
14,300.00	7,001.00	17,484.00	7,343.44	192.63	282.45	108.69	-5,032.64	-11,098.31	4,053.20	3,827.62	225.59	17.967		
14,400.00	7,001.00	17,484.00	7,343.44	194.73	282.45	108.69	-5,032.64	-11,098.31	3,957.21	3,728.59	228.62	17.309		
14,500.00	7,001.00	17,484.00	7,343.44	196.85	282.45	108.69	-5,032.64	-11,098.31	3,861.41	3,629.61	231.81	16.658		
14,600.00	7,001.00	17,484.00	7,343.44	198.99	282.45	108.69	-5,032.64	-11,098.31	3,765.84	3,530.69	235.15	16.015		
14,700.00	7,001.00	17,484.00	7,343.44	201.14	282.45	108.69	-5,032.64	-11,098.31	3,670.50	3,431.83	238.66	15.379		
14,800.00	7,001.00	17,484.00	7,343.44	203.31	282.45	108.69	-5,032.64	-11,098.31	3,575.41	3,333.05	242.36	14.752		
14,900.00	7,001.00	17,484.00	7,343.44	205.50	282.45	108.69	-5,032.64	-11,098.31	3,480.61	3,234.35	246.26	14.134		
15,000.00	7,001.00	17,484.00	7,343.44	207.70	282.45	108.69	-5,032.64	-11,098.31	3,386.09	3,135.73	250.36	13.525		
15,100.00	7,001.00	17,484.00	7,343.44	209.91	282.45	108.69	-5,032.64	-11,098.31	3,291.91	3,037.21	254.69	12.925		
15,200.00	7,001.00	17,484.00	7,343.44	212.14	282.45	108.69	-5,032.64	-11,098.31	3,198.07	2,938.81	259.27	12.335		
15,300.00	7,001.00	17,484.00	7,343.44	214.38	282.45	108.69	-5,032.64	-11,098.31	3,104.63	2,840.52	264.10	11.755		
15,400.00	7,001.00	17,484.00	7,343.44	216.64	282.45	108.69	-5,032.64	-11,098.31	3,011.60	2,742.38	269.22	11.186		
15,500.00	7,001.00	17,484.00	7,343.44	218.90	282.45	108.69	-5,032.64	-11,098.31	2,919.03	2,644.40	274.64	10.629		
15,600.00	7,001.00	17,484.00	7,343.44	221.18	282.45	108.69	-5,032.64	-11,098.31	2,826.97	2,546.59	280.38	10.083		
15,700.00	7,001.00	17,484.00	7,343.44	223.47	282.45	108.69	-5,032.64	-11,098.31	2,735.47	2,448.99	286.48	9.549		
15,800.00	7,001.00	17,484.00	7,343.44	225.78	282.45	108.69	-5,032.64	-11,098.31	2,644.58	2,351.63	292.95	9.027		
15,900.00	7,001.00	17,484.00	7,343.44	228.09	282.45	108.69	-5,032.64	-11,098.31	2,554.38	2,254.54	299.84	8.519		
16,000.00	7,001.00	17,484.00	7,343.44	230.41	282.45	108.69	-5,032.64	-11,098.31	2,464.93	2,157.77	307.16	8.025		
16,100.00	7,001.00	17,484.00	7,343.44	232.75	282.45	108.69	-5,032.64	-11,098.31	2,376.32	2,061.37	314.95	7.545		
16,200.00	7,001.00	17,484.00	7,343.44	235.09	282.45	108.69	-5,032.64	-11,098.31	2,288.65	1,965.40	323.25	7.080		
16,300.00	7,001.00	17,484.00	7,343.44	237.45	282.45	108.69	-5,032.64	-11,098.31	2,202.03	1,869.94	332.09	6.631		
16,400.00	7,001.00	17,484.00	7,343.44	239.81	282.45	108.69	-5,032.64	-11,098.31	2,116.59	1,775.09	341.50	6.198		
16,500.00	7,001.00	17,484.00	7,343.44	242.18	282.45	108.69	-5,032.64	-11,098.31	2,032.48	1,680.96	351.52	5.782		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
16,600.00	7,001.00	17,484.00	7,343.44	244.56	282.45	108.69	-5,032.64	-11,098.31	1,949.88	1,587.70	362.18	5.384		
16,700.00	7,001.00	17,484.00	7,343.44	246.95	282.45	108.69	-5,032.64	-11,098.31	1,868.97	1,495.48	373.49	5.004		
16,800.00	7,001.00	17,484.00	7,343.44	249.35	282.45	108.69	-5,032.64	-11,098.31	1,789.99	1,404.53	385.46	4.644		
16,900.00	7,001.00	17,484.00	7,343.44	251.75	282.45	108.69	-5,032.64	-11,098.31	1,713.21	1,315.11	398.10	4.304		
17,000.00	7,001.00	17,484.00	7,343.44	254.17	282.45	108.69	-5,032.64	-11,098.31	1,638.94	1,227.58	411.36	3.984		
17,100.00	7,001.00	17,484.00	7,343.44	256.59	282.45	108.69	-5,032.64	-11,098.31	1,567.52	1,142.35	425.18	3.687		
17,200.00	7,001.00	17,484.00	7,343.44	259.01	282.45	108.69	-5,032.64	-11,098.31	1,499.39	1,059.94	439.44	3.412		
17,300.00	7,001.00	17,484.00	7,343.44	261.45	282.45	108.69	-5,032.64	-11,098.31	1,434.98	981.01	453.98	3.161		
17,400.00	7,001.00	17,484.00	7,343.44	263.89	282.45	108.69	-5,032.64	-11,098.31	1,374.85	906.32	468.53	2.934		
17,500.00	7,001.00	17,484.00	7,343.44	266.34	282.45	108.69	-5,032.64	-11,098.31	1,319.56	836.82	482.74	2.733		
17,600.00	7,001.00	17,484.00	7,343.44	268.79	282.45	108.69	-5,032.64	-11,098.31	1,269.75	773.57	496.18	2.559		
17,700.00	7,001.00	17,484.00	7,343.44	271.25	282.45	108.69	-5,032.64	-11,098.31	1,226.08	717.79	508.29	2.412		
17,800.00	7,001.00	17,484.00	7,343.44	273.72	282.45	108.69	-5,032.64	-11,098.31	1,189.24	670.78	518.46	2.294		
17,900.00	7,001.00	17,484.00	7,343.44	276.19	282.45	108.69	-5,032.64	-11,098.31	1,159.88	633.84	526.04	2.205		
18,000.00	7,001.00	17,484.00	7,343.44	278.67	282.45	108.69	-5,032.64	-11,098.31	1,138.57	608.16	530.41	2.147		
18,100.00	7,001.00	17,484.00	7,343.44	281.15	282.45	108.69	-5,032.64	-11,098.31	1,125.78	594.68	531.10	2.120		
18,200.00	7,001.00	17,441.90	7,343.24	283.64	281.31	108.70	-5,033.98	-11,140.39	1,121.02	591.37	529.65	2.117		
18,268.65	7,001.00	17,380.34	7,342.95	285.36	279.64	108.69	-5,035.82	-11,201.92	1,119.94	590.58	529.36	2.116	CC, ES, SF	
18,300.00	7,001.00	17,353.19	7,342.81	286.15	278.91	108.68	-5,036.44	-11,229.06	1,120.16	590.95	529.21	2.117		
18,400.00	7,001.00	17,256.19	7,341.22	288.68	276.29	108.56	-5,037.66	-11,326.04	1,123.67	594.25	529.42	2.122		
18,500.00	7,001.00	17,132.63	7,335.04	291.24	272.95	108.15	-5,040.12	-11,449.41	1,127.97	596.78	531.19	2.123		
18,600.00	7,001.00	17,005.51	7,324.50	293.80	269.52	107.51	-5,042.90	-11,576.04	1,131.62	598.34	533.28	2.122		
18,700.00	7,001.00	16,912.66	7,312.88	296.36	267.04	106.87	-5,045.37	-11,668.13	1,133.52	598.94	534.58	2.120		
18,800.00	7,001.00	16,803.00	7,297.99	298.93	264.11	106.05	-5,047.70	-11,776.74	1,135.80	599.27	536.54	2.117		
18,900.00	7,001.00	16,714.30	7,284.57	301.50	261.74	105.32	-5,049.35	-11,864.40	1,138.09	600.29	537.79	2.116		
19,000.00	7,001.00	16,621.35	7,270.52	304.07	259.26	104.55	-5,050.41	-11,956.28	1,141.31	602.20	539.10	2.117		
19,100.00	7,001.00	16,536.37	7,258.39	306.65	256.99	103.88	-5,050.85	-12,040.39	1,145.55	605.68	539.87	2.122		
19,200.00	7,001.00	16,448.52	7,247.38	309.23	254.63	103.25	-5,050.67	-12,127.55	1,151.11	610.60	540.51	2.130		
19,300.00	7,001.00	16,368.73	7,239.38	311.81	252.48	102.78	-5,050.03	-12,206.92	1,157.99	617.56	540.42	2.143		
19,400.00	7,001.00	16,302.47	7,235.61	314.39	250.69	102.52	-5,048.75	-12,273.06	1,167.07	627.99	539.08	2.165		
19,500.00	7,001.00	16,236.00	7,234.32	316.97	248.89	102.37	-5,045.34	-12,339.42	1,179.73	642.54	537.19	2.196		
19,600.00	7,001.00	16,187.94	7,234.70	319.56	247.58	102.30	-5,041.43	-12,387.32	1,195.74	662.46	533.28	2.242		
19,700.00	7,001.00	16,082.11	7,236.69	322.15	244.72	102.19	-5,030.45	-12,492.55	1,214.66	680.64	534.03	2.275		
19,800.00	7,001.00	15,939.32	7,229.48	324.74	240.85	101.63	-5,019.61	-12,634.71	1,229.12	691.02	538.09	2.284		
19,900.00	7,001.00	15,853.06	7,223.51	327.33	238.51	101.21	-5,013.21	-12,720.52	1,243.24	705.52	537.72	2.312		
20,000.00	7,001.00	15,697.03	7,218.95	329.92	234.28	100.82	-5,005.48	-12,876.26	1,253.39	711.73	541.67	2.314		
20,100.00	7,001.00	15,559.72	7,213.65	332.49	230.56	100.54	-5,004.50	-13,013.45	1,255.55	711.80	543.75	2.309		
20,200.00	7,001.00	15,452.66	7,207.28	335.04	227.67	100.26	-5,004.50	-13,120.32	1,254.27	709.89	544.38	2.304		
20,300.00	7,001.00	15,340.11	7,198.07	337.60	224.64	99.86	-5,006.02	-13,232.48	1,251.07	705.74	545.33	2.294		
20,400.00	7,001.00	15,260.91	7,191.90	340.16	222.50	99.58	-5,006.55	-13,311.43	1,248.75	703.90	544.85	2.292		
20,457.75	7,001.00	15,218.66	7,189.42	341.64	221.36	99.47	-5,006.29	-13,353.61	1,248.33	704.04	544.29	2.293		
20,500.00	7,001.00	15,185.08	7,187.92	342.72	220.45	99.40	-5,005.81	-13,387.16	1,248.45	704.51	543.95	2.295		
20,600.00	7,001.00	15,094.55	7,186.24	345.29	218.00	99.32	-5,004.18	-13,477.65	1,249.55	706.01	543.54	2.299		
20,700.00	7,001.00	14,962.54	7,185.36	347.86	214.42	99.27	-5,003.12	-13,609.65	1,249.94	704.84	545.10	2.293		
20,800.00	7,001.00	14,840.17	7,181.33	350.43	211.12	99.11	-5,005.02	-13,731.93	1,247.45	701.31	546.14	2.284		
20,900.00	7,001.00	14,745.71	7,175.97	353.00	208.57	98.88	-5,006.55	-13,826.22	1,244.60	698.41	546.19	2.279		
21,000.00	7,001.00	14,618.57	7,167.20	355.58	205.14	98.50	-5,009.77	-13,953.02	1,240.60	693.13	547.47	2.266		
21,100.00	7,001.00	14,543.00	7,162.60	358.16	203.11	98.30	-5,011.36	-14,028.42	1,237.16	690.28	546.89	2.262		
21,121.77	7,001.00	14,543.00	7,162.60	358.72	203.11	98.30	-5,011.36	-14,028.42	1,236.76	690.74	546.02	2.265		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
11,200.00	7,001.00	17,140.00	7,404.68	139.38	269.49	-117.01	-6,928.12	-14,177.26	10,114.96	9,969.46	145.51	69.515		
11,300.00	7,001.00	17,140.00	7,404.68	140.65	269.49	-117.01	-6,928.12	-14,177.26	10,015.40	9,869.97	145.43	68.868		
11,400.00	7,001.00	17,140.00	7,404.68	141.95	269.49	-117.01	-6,928.12	-14,177.26	9,915.85	9,770.50	145.35	68.221		
11,500.00	7,001.00	17,140.00	7,404.68	143.29	269.49	-117.01	-6,928.12	-14,177.26	9,816.30	9,671.03	145.27	67.574		
11,600.00	7,001.00	17,140.00	7,404.68	144.66	269.49	-117.01	-6,928.12	-14,177.26	9,716.76	9,571.58	145.19	66.926		
11,700.00	7,001.00	17,140.00	7,404.68	146.06	269.49	-117.01	-6,928.12	-14,177.26	9,617.24	9,472.13	145.11	66.277		
11,800.00	7,001.00	17,140.00	7,404.68	147.50	269.49	-117.01	-6,928.12	-14,177.26	9,517.72	9,372.70	145.02	65.628		
11,900.00	7,001.00	17,140.00	7,404.68	148.97	269.49	-117.01	-6,928.12	-14,177.26	9,418.22	9,273.27	144.94	64.979		
12,000.00	7,001.00	17,140.00	7,404.68	150.47	269.49	-117.01	-6,928.12	-14,177.26	9,318.72	9,173.86	144.86	64.330		
12,100.00	7,001.00	17,140.00	7,404.68	152.00	269.49	-117.01	-6,928.12	-14,177.26	9,219.23	9,074.46	144.78	63.680		
12,200.00	7,001.00	17,140.00	7,404.68	153.57	269.49	-117.01	-6,928.12	-14,177.26	9,119.76	8,975.07	144.69	63.029		
12,300.00	7,001.00	17,140.00	7,404.68	155.16	269.49	-117.01	-6,928.12	-14,177.26	9,020.30	8,875.69	144.61	62.378		
12,400.00	7,001.00	17,140.00	7,404.68	156.79	269.49	-117.01	-6,928.12	-14,177.26	8,920.85	8,776.33	144.52	61.727		
12,500.00	7,001.00	17,140.00	7,404.68	158.44	269.49	-117.01	-6,928.12	-14,177.26	8,821.41	8,676.97	144.44	61.075		
12,600.00	7,001.00	17,140.00	7,404.68	160.13	269.49	-117.01	-6,928.12	-14,177.26	8,721.99	8,577.64	144.35	60.422		
12,700.00	7,001.00	17,140.00	7,404.68	161.84	269.49	-117.01	-6,928.12	-14,177.26	8,622.58	8,478.31	144.26	59.769		
12,800.00	7,001.00	17,140.00	7,404.68	163.58	269.49	-117.01	-6,928.12	-14,177.26	8,523.18	8,379.00	144.18	59.116		
12,900.00	7,001.00	17,140.00	7,404.68	165.35	269.49	-117.01	-6,928.12	-14,177.26	8,423.79	8,279.70	144.09	58.462		
13,000.00	7,001.00	17,140.00	7,404.68	167.14	269.49	-117.01	-6,928.12	-14,177.26	8,324.43	8,180.42	144.00	57.807		
13,100.00	7,001.00	17,140.00	7,404.68	168.97	269.49	-117.01	-6,928.12	-14,177.26	8,225.07	8,081.16	143.92	57.152		
13,200.00	7,001.00	17,140.00	7,404.68	170.81	269.49	-117.01	-6,928.12	-14,177.26	8,125.73	7,981.91	143.83	56.496		
13,300.00	7,001.00	17,140.00	7,404.68	172.68	269.49	-117.01	-6,928.12	-14,177.26	8,026.41	7,882.67	143.74	55.840		
13,400.00	7,001.00	17,140.00	7,404.68	174.58	269.49	-117.01	-6,928.12	-14,177.26	7,927.11	7,783.46	143.65	55.183		
13,500.00	7,001.00	17,140.00	7,404.68	176.50	269.49	-117.01	-6,928.12	-14,177.26	7,827.82	7,684.26	143.56	54.526		
13,600.00	7,001.00	17,140.00	7,404.68	178.44	269.49	-117.01	-6,928.12	-14,177.26	7,728.56	7,585.08	143.47	53.867		
13,700.00	7,001.00	17,140.00	7,404.68	180.41	269.49	-117.01	-6,928.12	-14,177.26	7,629.31	7,485.92	143.38	53.209		
13,800.00	7,001.00	17,140.00	7,404.68	182.39	269.49	-117.01	-6,928.12	-14,177.26	7,530.08	7,386.78	143.30	52.549		
13,900.00	7,001.00	17,140.00	7,404.68	184.40	269.49	-117.01	-6,928.12	-14,177.26	7,430.87	7,287.66	143.21	51.889		
14,000.00	7,001.00	17,140.00	7,404.68	186.43	269.49	-117.01	-6,928.12	-14,177.26	7,331.68	7,188.57	143.12	51.228		
14,100.00	7,001.00	17,140.00	7,404.68	188.48	269.49	-117.01	-6,928.12	-14,177.26	7,232.52	7,089.49	143.03	50.566		
14,200.00	7,001.00	17,140.00	7,404.68	190.54	269.49	-117.01	-6,928.12	-14,177.26	7,133.38	6,990.44	142.94	49.904		
14,300.00	7,001.00	17,140.00	7,404.68	192.63	269.49	-117.01	-6,928.12	-14,177.26	7,034.26	6,891.41	142.85	49.241		
14,400.00	7,001.00	17,140.00	7,404.68	194.73	269.49	-117.01	-6,928.12	-14,177.26	6,935.17	6,792.40	142.77	48.577		
14,500.00	7,001.00	17,140.00	7,404.68	196.85	269.49	-117.01	-6,928.12	-14,177.26	6,836.11	6,693.43	142.68	47.912		
14,600.00	7,001.00	17,140.00	7,404.68	198.99	269.49	-117.01	-6,928.12	-14,177.26	6,737.07	6,594.47	142.60	47.246		
14,700.00	7,001.00	17,140.00	7,404.68	201.14	269.49	-117.01	-6,928.12	-14,177.26	6,638.06	6,495.55	142.51	46.579		
14,800.00	7,001.00	17,140.00	7,404.68	203.31	269.49	-117.01	-6,928.12	-14,177.26	6,539.08	6,396.66	142.43	45.912		
14,900.00	7,001.00	17,140.00	7,404.68	205.50	269.49	-117.01	-6,928.12	-14,177.26	6,440.14	6,297.79	142.35	45.243		
15,000.00	7,001.00	17,140.00	7,404.68	207.70	269.49	-117.01	-6,928.12	-14,177.26	6,341.22	6,198.96	142.27	44.573		
15,100.00	7,001.00	17,140.00	7,404.68	209.91	269.49	-117.01	-6,928.12	-14,177.26	6,242.35	6,100.16	142.19	43.902		
15,200.00	7,001.00	17,140.00	7,404.68	212.14	269.49	-117.01	-6,928.12	-14,177.26	6,143.50	6,001.39	142.11	43.230		
15,300.00	7,001.00	17,140.00	7,404.68	214.38	269.49	-117.01	-6,928.12	-14,177.26	6,044.70	5,902.66	142.04	42.557		
15,400.00	7,001.00	17,140.00	7,404.68	216.64	269.49	-117.01	-6,928.12	-14,177.26	5,945.93	5,803.97	141.97	41.883		
15,500.00	7,001.00	17,140.00	7,404.68	218.90	269.49	-117.01	-6,928.12	-14,177.26	5,847.21	5,705.31	141.90	41.207		
15,600.00	7,001.00	17,140.00	7,404.68	221.18	269.49	-117.01	-6,928.12	-14,177.26	5,748.53	5,606.70	141.84	40.530		
15,700.00	7,001.00	17,140.00	7,404.68	223.47	269.49	-117.01	-6,928.12	-14,177.26	5,649.90	5,508.13	141.78	39.851		
15,800.00	7,001.00	17,140.00	7,404.68	225.78	269.49	-117.01	-6,928.12	-14,177.26	5,551.32	5,409.60	141.72	39.171		
15,900.00	7,001.00	17,140.00	7,404.68	228.09	269.49	-117.01	-6,928.12	-14,177.26	5,452.79	5,311.12	141.67	38.489		
16,000.00	7,001.00	17,140.00	7,404.68	230.41	269.49	-117.01	-6,928.12	-14,177.26	5,354.31	5,212.68	141.63	37.805		
16,100.00	7,001.00	17,140.00	7,404.68	232.75	269.49	-117.01	-6,928.12	-14,177.26	5,255.89	5,114.30	141.60	37.119		
16,200.00	7,001.00	17,140.00	7,404.68	235.09	269.49	-117.01	-6,928.12	-14,177.26	5,157.53	5,015.97	141.57	36.431		
16,300.00	7,001.00	17,140.00	7,404.68	237.45	269.49	-117.01	-6,928.12	-14,177.26	5,059.24	4,917.69	141.55	35.742		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
16,400.00	7,001.00	17,140.00	7,404.68	239.81	269.49	-117.01	-6,928.12	-14,177.26	4,961.01	4,819.47	141.54	35.049		
16,500.00	7,001.00	17,140.00	7,404.68	242.18	269.49	-117.01	-6,928.12	-14,177.26	4,862.86	4,721.31	141.55	34.355		
16,600.00	7,001.00	17,140.00	7,404.68	244.56	269.49	-117.01	-6,928.12	-14,177.26	4,764.78	4,623.22	141.57	33.658		
16,700.00	7,001.00	17,140.00	7,404.68	246.95	269.49	-117.01	-6,928.12	-14,177.26	4,666.79	4,525.19	141.60	32.957		
16,800.00	7,001.00	17,140.00	7,404.68	249.35	269.49	-117.01	-6,928.12	-14,177.26	4,568.88	4,427.23	141.65	32.254		
16,900.00	7,001.00	17,140.00	7,404.68	251.75	269.49	-117.01	-6,928.12	-14,177.26	4,471.07	4,329.34	141.73	31.547		
17,000.00	7,001.00	17,140.00	7,404.68	254.17	269.49	-117.01	-6,928.12	-14,177.26	4,373.35	4,231.53	141.82	30.837		
17,100.00	7,001.00	17,140.00	7,404.68	256.59	269.49	-117.01	-6,928.12	-14,177.26	4,275.74	4,133.79	141.95	30.122		
17,200.00	7,001.00	17,140.00	7,404.68	259.01	269.49	-117.01	-6,928.12	-14,177.26	4,178.24	4,036.14	142.10	29.403		
17,300.00	7,001.00	17,140.00	7,404.68	261.45	269.49	-117.01	-6,928.12	-14,177.26	4,080.86	3,938.57	142.29	28.680		
17,400.00	7,001.00	17,140.00	7,404.68	263.89	269.49	-117.01	-6,928.12	-14,177.26	3,983.62	3,841.09	142.52	27.950		
17,500.00	7,001.00	17,140.00	7,404.68	266.34	269.49	-117.01	-6,928.12	-14,177.26	3,886.51	3,743.70	142.80	27.216		
17,600.00	7,001.00	17,140.00	7,404.68	268.79	269.49	-117.01	-6,928.12	-14,177.26	3,789.55	3,646.41	143.14	26.474		
17,700.00	7,001.00	17,140.00	7,404.68	271.25	269.49	-117.01	-6,928.12	-14,177.26	3,692.76	3,549.21	143.54	25.726		
17,800.00	7,001.00	17,140.00	7,404.68	273.72	269.49	-117.01	-6,928.12	-14,177.26	3,596.14	3,452.12	144.02	24.969		
17,900.00	7,001.00	17,140.00	7,404.68	276.19	269.49	-117.01	-6,928.12	-14,177.26	3,499.71	3,355.12	144.59	24.204		
18,000.00	7,001.00	17,140.00	7,404.68	278.67	269.49	-117.01	-6,928.12	-14,177.26	3,403.49	3,258.22	145.26	23.429		
18,100.00	7,001.00	17,140.00	7,404.68	281.15	269.49	-117.01	-6,928.12	-14,177.26	3,307.49	3,161.42	146.06	22.644		
18,200.00	7,001.00	17,140.00	7,404.68	283.64	269.49	-117.37	-6,928.12	-14,177.26	3,211.72	3,064.72	147.01	21.847		
18,300.00	7,001.00	17,140.00	7,404.68	286.15	269.49	-120.72	-6,928.12	-14,177.26	3,115.68	2,967.66	148.02	21.048		
18,400.00	7,001.00	17,140.00	7,404.68	288.68	269.49	-124.77	-6,928.12	-14,177.26	3,019.07	2,870.03	149.04	20.257		
18,500.00	7,001.00	17,140.00	7,404.68	291.24	269.49	-126.48	-6,928.12	-14,177.26	2,922.08	2,772.03	150.05	19.474		
18,600.00	7,001.00	17,140.00	7,404.68	293.80	269.49	-126.48	-6,928.12	-14,177.26	2,825.25	2,674.05	151.20	18.685		
18,700.00	7,001.00	17,140.00	7,404.68	296.36	269.49	-126.48	-6,928.12	-14,177.26	2,728.65	2,576.11	152.54	17.888		
18,800.00	7,001.00	17,140.00	7,404.68	298.93	269.49	-126.48	-6,928.12	-14,177.26	2,632.30	2,478.20	154.10	17.082		
18,900.00	7,001.00	17,140.00	7,404.68	301.50	269.49	-126.48	-6,928.12	-14,177.26	2,536.23	2,380.32	155.91	16.267		
19,000.00	7,001.00	17,140.00	7,404.68	304.07	269.49	-126.48	-6,928.12	-14,177.26	2,440.48	2,282.45	158.03	15.443		
19,100.00	7,001.00	17,140.00	7,404.68	306.65	269.49	-126.48	-6,928.12	-14,177.26	2,345.09	2,184.57	160.52	14.609		
19,200.00	7,001.00	17,140.00	7,404.68	309.23	269.49	-126.48	-6,928.12	-14,177.26	2,250.10	2,086.66	163.44	13.767		
19,300.00	7,001.00	17,140.00	7,404.68	311.81	269.49	-126.48	-6,928.12	-14,177.26	2,155.55	1,988.67	166.88	12.917		
19,400.00	7,001.00	17,140.00	7,404.68	314.39	269.49	-126.48	-6,928.12	-14,177.26	2,061.53	1,890.59	170.93	12.060		
19,500.00	7,001.00	17,140.00	7,404.68	316.97	269.49	-126.48	-6,928.12	-14,177.26	1,968.09	1,792.38	175.71	11.201		
19,600.00	7,001.00	17,140.00	7,404.68	319.56	269.49	-126.48	-6,928.12	-14,177.26	1,875.33	1,693.98	181.35	10.341		
19,700.00	7,001.00	17,140.00	7,404.68	322.15	269.49	-126.48	-6,928.12	-14,177.26	1,783.35	1,595.38	187.98	9.487		
19,800.00	7,001.00	17,140.00	7,404.68	324.74	269.49	-126.48	-6,928.12	-14,177.26	1,692.29	1,496.52	195.77	8.644		
19,900.00	7,001.00	17,140.00	7,404.68	327.33	269.49	-125.82	-6,928.12	-14,177.26	1,602.34	1,397.40	204.94	7.819		
20,000.00	7,001.00	17,140.00	7,404.68	329.92	269.49	-123.74	-6,928.12	-14,177.26	1,514.67	1,298.29	216.38	7.000		
20,100.00	7,001.00	17,140.00	7,404.68	332.49	269.49	-122.02	-6,928.12	-14,177.26	1,430.19	1,199.44	230.75	6.198		
20,200.00	7,001.00	17,140.00	7,404.68	335.04	269.49	-121.60	-6,928.12	-14,177.26	1,349.12	1,100.94	248.18	5.436		
20,300.00	7,001.00	17,140.00	7,404.68	337.60	269.49	-121.60	-6,928.12	-14,177.26	1,270.82	1,002.66	268.16	4.739		
20,400.00	7,001.00	17,140.00	7,404.68	340.16	269.49	-121.60	-6,928.12	-14,177.26	1,195.77	905.00	290.77	4.112		
20,500.00	7,001.00	17,140.00	7,404.68	342.72	269.49	-121.60	-6,928.12	-14,177.26	1,124.60	808.55	316.06	3.558		
20,600.00	7,001.00	17,140.00	7,404.68	345.29	269.49	-121.60	-6,928.12	-14,177.26	1,058.11	714.19	343.92	3.077		
20,700.00	7,001.00	17,140.00	7,404.68	347.86	269.49	-121.60	-6,928.12	-14,177.26	997.23	623.20	374.03	2.666		
20,800.00	7,001.00	17,140.00	7,404.68	350.43	269.49	-121.60	-6,928.12	-14,177.26	943.05	537.32	405.73	2.324		
20,900.00	7,001.00	17,140.00	7,404.68	353.00	269.49	-121.60	-6,928.12	-14,177.26	896.78	458.86	437.92	2.048		
21,000.00	7,001.00	17,140.00	7,404.68	355.58	269.49	-121.60	-6,928.12	-14,177.26	859.70	390.68	469.02	1.833		
21,100.00	7,001.00	17,140.00	7,404.68	358.16	269.49	-121.60	-6,928.12	-14,177.26	833.03	335.98	497.06	1.676		
21,121.77	7,001.00	17,140.00	7,404.68	358.72	269.49	-121.60	-6,928.12	-14,177.26	828.72	326.17	502.55	1.649 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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
11,200.00	7,001.00	16,920.00	7,238.92	139.38	269.68	-104.51	-7,099.38	-14,171.61	10,119.10	9,970.85	148.25	68.256		
11,300.00	7,001.00	16,920.00	7,238.92	140.65	269.68	-104.51	-7,099.38	-14,171.61	10,019.64	9,871.46	148.18	67.618		
11,400.00	7,001.00	16,920.00	7,238.92	141.95	269.68	-104.51	-7,099.38	-14,171.61	9,920.18	9,772.08	148.11	66.980		
11,500.00	7,001.00	16,920.00	7,238.92	143.29	269.68	-104.51	-7,099.38	-14,171.61	9,820.74	9,672.71	148.03	66.341		
11,600.00	7,001.00	16,920.00	7,238.92	144.66	269.68	-104.51	-7,099.38	-14,171.61	9,721.31	9,573.35	147.96	65.703		
11,700.00	7,001.00	16,920.00	7,238.92	146.06	269.68	-104.51	-7,099.38	-14,171.61	9,621.89	9,474.01	147.89	65.063		
11,800.00	7,001.00	16,920.00	7,238.92	147.50	269.68	-104.51	-7,099.38	-14,171.61	9,522.49	9,374.67	147.81	64.423		
11,900.00	7,001.00	16,920.00	7,238.92	148.97	269.68	-104.51	-7,099.38	-14,171.61	9,423.09	9,275.35	147.74	63.783		
12,000.00	7,001.00	16,920.00	7,238.92	150.47	269.68	-104.51	-7,099.38	-14,171.61	9,323.71	9,176.05	147.66	63.142		
12,100.00	7,001.00	16,920.00	7,238.92	152.00	269.68	-104.51	-7,099.38	-14,171.61	9,224.34	9,076.76	147.59	62.500		
12,200.00	7,001.00	16,920.00	7,238.92	153.57	269.68	-104.51	-7,099.38	-14,171.61	9,124.99	8,977.48	147.51	61.858		
12,300.00	7,001.00	16,920.00	7,238.92	155.16	269.68	-104.51	-7,099.38	-14,171.61	9,025.65	8,878.21	147.44	61.216		
12,400.00	7,001.00	16,920.00	7,238.92	156.79	269.68	-104.51	-7,099.38	-14,171.61	8,926.33	8,778.96	147.37	60.573		
12,500.00	7,001.00	16,920.00	7,238.92	158.44	269.68	-104.51	-7,099.38	-14,171.61	8,827.02	8,679.73	147.29	59.929		
12,600.00	7,001.00	16,920.00	7,238.92	160.13	269.68	-104.51	-7,099.38	-14,171.61	8,727.72	8,580.51	147.22	59.285		
12,700.00	7,001.00	16,920.00	7,238.92	161.84	269.68	-104.51	-7,099.38	-14,171.61	8,628.45	8,481.30	147.14	58.640		
12,800.00	7,001.00	16,920.00	7,238.92	163.58	269.68	-104.51	-7,099.38	-14,171.61	8,529.19	8,382.12	147.07	57.994		
12,900.00	7,001.00	16,920.00	7,238.92	165.35	269.68	-104.51	-7,099.38	-14,171.61	8,429.94	8,282.95	147.00	57.348		
13,000.00	7,001.00	16,920.00	7,238.92	167.14	269.68	-104.51	-7,099.38	-14,171.61	8,330.72	8,183.80	146.92	56.701		
13,100.00	7,001.00	16,920.00	7,238.92	168.97	269.68	-104.51	-7,099.38	-14,171.61	8,231.51	8,084.66	146.85	56.054		
13,200.00	7,001.00	16,920.00	7,238.92	170.81	269.68	-104.51	-7,099.38	-14,171.61	8,132.33	7,985.55	146.78	55.406		
13,300.00	7,001.00	16,920.00	7,238.92	172.68	269.68	-104.51	-7,099.38	-14,171.61	8,033.16	7,886.46	146.71	54.757		
13,400.00	7,001.00	16,920.00	7,238.92	174.58	269.68	-104.51	-7,099.38	-14,171.61	7,934.02	7,787.38	146.63	54.108		
13,500.00	7,001.00	16,920.00	7,238.92	176.50	269.68	-104.51	-7,099.38	-14,171.61	7,834.89	7,688.33	146.56	53.457		
13,600.00	7,001.00	16,920.00	7,238.92	178.44	269.68	-104.51	-7,099.38	-14,171.61	7,735.79	7,589.30	146.49	52.806		
13,700.00	7,001.00	16,920.00	7,238.92	180.41	269.68	-104.51	-7,099.38	-14,171.61	7,636.71	7,490.29	146.43	52.154		
13,800.00	7,001.00	16,920.00	7,238.92	182.39	269.68	-104.51	-7,099.38	-14,171.61	7,537.66	7,391.30	146.36	51.502		
13,900.00	7,001.00	16,920.00	7,238.92	184.40	269.68	-104.51	-7,099.38	-14,171.61	7,438.63	7,292.34	146.29	50.848		
14,000.00	7,001.00	16,920.00	7,238.92	186.43	269.68	-104.51	-7,099.38	-14,171.61	7,339.63	7,193.40	146.23	50.193		
14,100.00	7,001.00	16,920.00	7,238.92	188.48	269.68	-104.51	-7,099.38	-14,171.61	7,240.66	7,094.49	146.16	49.538		
14,200.00	7,001.00	16,920.00	7,238.92	190.54	269.68	-104.51	-7,099.38	-14,171.61	7,141.71	6,995.61	146.10	48.882		
14,300.00	7,001.00	16,920.00	7,238.92	192.63	269.68	-104.51	-7,099.38	-14,171.61	7,042.79	6,896.75	146.04	48.224		
14,400.00	7,001.00	16,920.00	7,238.92	194.73	269.68	-104.51	-7,099.38	-14,171.61	6,943.91	6,797.92	145.99	47.566		
14,500.00	7,001.00	16,920.00	7,238.92	196.85	269.68	-104.51	-7,099.38	-14,171.61	6,845.06	6,699.13	145.93	46.906		
14,600.00	7,001.00	16,920.00	7,238.92	198.99	269.68	-104.51	-7,099.38	-14,171.61	6,746.24	6,600.36	145.88	46.245		
14,700.00	7,001.00	16,920.00	7,238.92	201.14	269.68	-104.51	-7,099.38	-14,171.61	6,647.46	6,501.63	145.83	45.583		
14,800.00	7,001.00	16,920.00	7,238.92	203.31	269.68	-104.51	-7,099.38	-14,171.61	6,548.71	6,402.92	145.79	44.920		
14,900.00	7,001.00	16,920.00	7,238.92	205.50	269.68	-104.51	-7,099.38	-14,171.61	6,450.00	6,304.26	145.74	44.256		
15,000.00	7,001.00	16,920.00	7,238.92	207.70	269.68	-104.51	-7,099.38	-14,171.61	6,351.34	6,205.63	145.71	43.590		
15,100.00	7,001.00	16,920.00	7,238.92	209.91	269.68	-104.51	-7,099.38	-14,171.61	6,252.71	6,107.04	145.68	42.922		
15,200.00	7,001.00	16,920.00	7,238.92	212.14	269.68	-104.51	-7,099.38	-14,171.61	6,154.13	6,008.48	145.65	42.253		
15,300.00	7,001.00	16,920.00	7,238.92	214.38	269.68	-104.51	-7,099.38	-14,171.61	6,055.60	5,909.97	145.63	41.583		
15,400.00	7,001.00	16,920.00	7,238.92	216.64	269.68	-104.51	-7,099.38	-14,171.61	5,957.11	5,811.50	145.61	40.910		
15,500.00	7,001.00	16,920.00	7,238.92	218.90	269.68	-104.51	-7,099.38	-14,171.61	5,858.68	5,713.07	145.61	40.236		
15,600.00	7,001.00	16,920.00	7,238.92	221.18	269.68	-104.51	-7,099.38	-14,171.61	5,760.30	5,614.69	145.61	39.560		
15,700.00	7,001.00	16,920.00	7,238.92	223.47	269.68	-104.51	-7,099.38	-14,171.61	5,661.98	5,516.35	145.62	38.882		
15,800.00	7,001.00	16,920.00	7,238.92	225.78	269.68	-104.51	-7,099.38	-14,171.61	5,563.71	5,418.07	145.64	38.201		
15,900.00	7,001.00	16,920.00	7,238.92	228.09	269.68	-104.51	-7,099.38	-14,171.61	5,465.51	5,319.84	145.68	37.518		
16,000.00	7,001.00	16,920.00	7,238.92	230.41	269.68	-104.51	-7,099.38	-14,171.61	5,367.38	5,221.66	145.72	36.833		
16,100.00	7,001.00	16,920.00	7,238.92	232.75	269.68	-104.51	-7,099.38	-14,171.61	5,269.31	5,123.53	145.78	36.145		
16,200.00	7,001.00	16,920.00	7,238.92	235.09	269.68	-104.51	-7,099.38	-14,171.61	5,171.33	5,025.46	145.86	35.453		
16,300.00	7,001.00	16,920.00	7,238.92	237.45	269.68	-104.51	-7,099.38	-14,171.61	5,073.41	4,927.46	145.96	34.759		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
16,400.00	7,001.00	16,920.00	7,238.92	239.81	269.68	-104.51	-7,099.38	-14,171.61	4,975.59	4,829.51	146.08	34.061		
16,500.00	7,001.00	16,920.00	7,238.92	242.18	269.68	-104.51	-7,099.38	-14,171.61	4,877.85	4,731.63	146.22	33.360		
16,600.00	7,001.00	16,920.00	7,238.92	244.56	269.68	-104.51	-7,099.38	-14,171.61	4,780.20	4,633.81	146.39	32.655		
16,700.00	7,001.00	16,920.00	7,238.92	246.95	269.68	-104.51	-7,099.38	-14,171.61	4,682.65	4,536.07	146.59	31.945		
16,800.00	7,001.00	16,920.00	7,238.92	249.35	269.68	-104.51	-7,099.38	-14,171.61	4,585.21	4,438.39	146.82	31.231		
16,900.00	7,001.00	16,920.00	7,238.92	251.75	269.68	-104.51	-7,099.38	-14,171.61	4,487.88	4,340.79	147.09	30.511		
17,000.00	7,001.00	16,920.00	7,238.92	254.17	269.68	-104.51	-7,099.38	-14,171.61	4,390.68	4,243.27	147.41	29.786		
17,100.00	7,001.00	16,920.00	7,238.92	256.59	269.68	-104.51	-7,099.38	-14,171.61	4,293.60	4,145.82	147.78	29.055		
17,200.00	7,001.00	16,920.00	7,238.92	259.01	269.68	-104.51	-7,099.38	-14,171.61	4,196.65	4,048.45	148.20	28.317		
17,300.00	7,001.00	16,920.00	7,238.92	261.45	269.68	-104.51	-7,099.38	-14,171.61	4,099.86	3,951.16	148.70	27.572		
17,400.00	7,001.00	16,920.00	7,238.92	263.89	269.68	-104.51	-7,099.38	-14,171.61	4,003.22	3,853.95	149.27	26.819		
17,500.00	7,001.00	16,920.00	7,238.92	266.34	269.68	-104.51	-7,099.38	-14,171.61	3,906.75	3,756.82	149.93	26.057		
17,600.00	7,001.00	16,920.00	7,238.92	268.79	269.68	-104.51	-7,099.38	-14,171.61	3,810.46	3,659.77	150.69	25.287		
17,700.00	7,001.00	16,920.00	7,238.92	271.25	269.68	-104.51	-7,099.38	-14,171.61	3,714.37	3,562.80	151.57	24.506		
17,800.00	7,001.00	16,920.00	7,238.92	273.72	269.68	-104.51	-7,099.38	-14,171.61	3,618.49	3,465.90	152.59	23.714		
17,900.00	7,001.00	16,920.00	7,238.92	276.19	269.68	-104.51	-7,099.38	-14,171.61	3,522.84	3,369.07	153.77	22.910		
18,000.00	7,001.00	16,920.00	7,238.92	278.67	269.68	-104.51	-7,099.38	-14,171.61	3,427.44	3,272.31	155.13	22.094		
18,100.00	7,001.00	16,920.00	7,238.92	281.15	269.68	-104.51	-7,099.38	-14,171.61	3,332.31	3,175.60	156.71	21.265		
18,200.00	7,001.00	16,920.00	7,238.92	283.64	269.68	-104.69	-7,099.38	-14,171.61	3,237.46	3,078.93	158.53	20.422		
18,300.00	7,001.00	16,920.00	7,238.92	286.15	269.68	-106.35	-7,099.38	-14,171.61	3,142.27	2,981.78	160.49	19.579		
18,400.00	7,001.00	16,920.00	7,238.92	288.68	269.68	-108.37	-7,099.38	-14,171.61	3,046.38	2,883.90	162.48	18.750		
18,500.00	7,001.00	16,920.00	7,238.92	291.24	269.68	-109.23	-7,099.38	-14,171.61	2,949.99	2,785.48	164.51	17.932		
18,600.00	7,001.00	16,920.00	7,238.92	293.80	269.68	-109.23	-7,099.38	-14,171.61	2,853.79	2,686.99	166.80	17.109		
18,700.00	7,001.00	16,920.00	7,238.92	296.36	269.68	-109.23	-7,099.38	-14,171.61	2,757.86	2,588.45	169.42	16.278		
18,800.00	7,001.00	16,920.00	7,238.92	298.93	269.68	-109.23	-7,099.38	-14,171.61	2,662.24	2,489.83	172.40	15.442		
18,900.00	7,001.00	16,920.00	7,238.92	301.50	269.68	-109.23	-7,099.38	-14,171.61	2,566.94	2,391.13	175.81	14.600		
19,000.00	7,001.00	16,920.00	7,238.92	304.07	269.68	-109.23	-7,099.38	-14,171.61	2,472.02	2,292.30	179.71	13.755		
19,100.00	7,001.00	16,920.00	7,238.92	306.65	269.68	-109.23	-7,099.38	-14,171.61	2,377.51	2,193.33	184.17	12.909		
19,200.00	7,001.00	16,920.00	7,238.92	309.23	269.68	-109.23	-7,099.38	-14,171.61	2,283.47	2,094.19	189.27	12.064		
19,300.00	7,001.00	16,920.00	7,238.92	311.81	269.68	-109.23	-7,099.38	-14,171.61	2,189.96	1,994.85	195.11	11.224		
19,400.00	7,001.00	16,920.00	7,238.92	314.39	269.68	-109.23	-7,099.38	-14,171.61	2,097.04	1,895.28	201.76	10.394		
19,500.00	7,001.00	16,920.00	7,238.92	316.97	269.68	-109.23	-7,099.38	-14,171.61	2,004.81	1,795.45	209.36	9.576		
19,600.00	7,001.00	16,920.00	7,238.92	319.56	269.68	-109.23	-7,099.38	-14,171.61	1,913.36	1,695.35	218.01	8.776		
19,700.00	7,001.00	16,920.00	7,238.92	322.15	269.68	-109.23	-7,099.38	-14,171.61	1,822.81	1,594.96	227.85	8.000		
19,800.00	7,001.00	16,920.00	7,238.92	324.74	269.68	-109.23	-7,099.38	-14,171.61	1,733.30	1,494.28	239.02	7.252		
19,900.00	7,001.00	16,920.00	7,238.92	327.33	269.68	-108.89	-7,099.38	-14,171.61	1,645.06	1,393.35	251.71	6.536		
20,000.00	7,001.00	16,920.00	7,238.92	329.92	269.68	-107.85	-7,099.38	-14,171.61	1,559.52	1,292.73	266.78	5.846		
20,100.00	7,001.00	16,920.00	7,238.92	332.49	269.68	-107.00	-7,099.38	-14,171.61	1,477.71	1,192.94	284.77	5.189		
20,200.00	7,001.00	16,920.00	7,238.92	335.04	269.68	-106.79	-7,099.38	-14,171.61	1,399.83	1,094.20	305.63	4.580		
20,300.00	7,001.00	16,920.00	7,238.92	337.60	269.68	-106.79	-7,099.38	-14,171.61	1,325.01	996.23	328.78	4.030		
20,400.00	7,001.00	16,920.00	7,238.92	340.16	269.68	-106.79	-7,099.38	-14,171.61	1,253.71	899.50	354.21	3.539		
20,500.00	7,001.00	16,920.00	7,238.92	342.72	269.68	-106.79	-7,099.38	-14,171.61	1,186.55	804.71	381.84	3.107		
20,600.00	7,001.00	16,920.00	7,238.92	345.29	269.68	-106.79	-7,099.38	-14,171.61	1,124.29	712.86	411.43	2.733		
20,700.00	7,001.00	16,920.00	7,238.92	347.86	269.68	-106.79	-7,099.38	-14,171.61	1,067.78	625.28	442.50	2.413		
20,800.00	7,001.00	16,920.00	7,238.92	350.43	269.68	-106.79	-7,099.38	-14,171.61	1,017.98	543.70	474.27	2.146		
20,900.00	7,001.00	16,920.00	7,238.92	353.00	269.68	-106.79	-7,099.38	-14,171.61	975.91	470.28	505.63	1.930		
21,000.00	7,001.00	16,920.00	7,238.92	355.58	269.68	-106.79	-7,099.38	-14,171.61	942.62	407.50	535.12	1.762		
21,100.00	7,001.00	16,920.00	7,238.92	358.16	269.68	-106.79	-7,099.38	-14,171.61	919.05	357.99	561.06	1.638		
21,121.77	7,001.00	16,920.00	7,238.92	358.72	269.68	-106.79	-7,099.38	-14,171.61	915.29	349.21	566.08	1.617	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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
11,200.00	7,001.00	17,070.00	7,159.63	139.38	269.63	-97.55	-7,461.68	-14,148.26	10,136.24	9,979.41	156.83	64.630		
11,300.00	7,001.00	17,070.00	7,159.63	140.65	269.63	-97.55	-7,461.68	-14,148.26	10,037.19	9,880.43	156.76	64.029		
11,400.00	7,001.00	17,070.00	7,159.63	141.95	269.63	-97.55	-7,461.68	-14,148.26	9,938.15	9,781.46	156.69	63.428		
11,500.00	7,001.00	17,070.00	7,159.63	143.29	269.63	-97.55	-7,461.68	-14,148.26	9,839.13	9,682.52	156.61	62.825		
11,600.00	7,001.00	17,070.00	7,159.63	144.66	269.63	-97.55	-7,461.68	-14,148.26	9,740.13	9,583.60	156.54	62.223		
11,700.00	7,001.00	17,070.00	7,159.63	146.06	269.63	-97.55	-7,461.68	-14,148.26	9,641.16	9,484.69	156.46	61.620		
11,800.00	7,001.00	17,070.00	7,159.63	147.50	269.63	-97.55	-7,461.68	-14,148.26	9,542.20	9,385.81	156.39	61.016		
11,900.00	7,001.00	17,070.00	7,159.63	148.97	269.63	-97.55	-7,461.68	-14,148.26	9,443.27	9,286.95	156.32	60.412		
12,000.00	7,001.00	17,070.00	7,159.63	150.47	269.63	-97.55	-7,461.68	-14,148.26	9,344.36	9,188.11	156.24	59.807		
12,100.00	7,001.00	17,070.00	7,159.63	152.00	269.63	-97.55	-7,461.68	-14,148.26	9,245.47	9,089.30	156.17	59.201		
12,200.00	7,001.00	17,070.00	7,159.63	153.57	269.63	-97.55	-7,461.68	-14,148.26	9,146.60	8,990.51	156.10	58.595		
12,300.00	7,001.00	17,070.00	7,159.63	155.16	269.63	-97.55	-7,461.68	-14,148.26	9,047.77	8,891.74	156.03	57.988		
12,400.00	7,001.00	17,070.00	7,159.63	156.79	269.63	-97.55	-7,461.68	-14,148.26	8,948.95	8,793.00	155.96	57.380		
12,500.00	7,001.00	17,070.00	7,159.63	158.44	269.63	-97.55	-7,461.68	-14,148.26	8,850.17	8,694.28	155.89	56.772		
12,600.00	7,001.00	17,070.00	7,159.63	160.13	269.63	-97.55	-7,461.68	-14,148.26	8,751.41	8,595.59	155.82	56.163		
12,700.00	7,001.00	17,070.00	7,159.63	161.84	269.63	-97.55	-7,461.68	-14,148.26	8,652.68	8,496.92	155.75	55.553		
12,800.00	7,001.00	17,070.00	7,159.63	163.58	269.63	-97.55	-7,461.68	-14,148.26	8,553.98	8,398.29	155.69	54.943		
12,900.00	7,001.00	17,070.00	7,159.63	165.35	269.63	-97.55	-7,461.68	-14,148.26	8,455.31	8,299.68	155.63	54.331		
13,000.00	7,001.00	17,070.00	7,159.63	167.14	269.63	-97.55	-7,461.68	-14,148.26	8,356.67	8,201.11	155.56	53.719		
13,100.00	7,001.00	17,070.00	7,159.63	168.97	269.63	-97.55	-7,461.68	-14,148.26	8,258.07	8,102.56	155.50	53.106		
13,200.00	7,001.00	17,070.00	7,159.63	170.81	269.63	-97.55	-7,461.68	-14,148.26	8,159.49	8,004.05	155.44	52.492		
13,300.00	7,001.00	17,070.00	7,159.63	172.68	269.63	-97.55	-7,461.68	-14,148.26	8,060.96	7,905.57	155.39	51.876		
13,400.00	7,001.00	17,070.00	7,159.63	174.58	269.63	-97.55	-7,461.68	-14,148.26	7,962.46	7,807.13	155.33	51.260		
13,500.00	7,001.00	17,070.00	7,159.63	176.50	269.63	-97.55	-7,461.68	-14,148.26	7,864.00	7,708.71	155.28	50.643		
13,600.00	7,001.00	17,070.00	7,159.63	178.44	269.63	-97.55	-7,461.68	-14,148.26	7,765.57	7,610.34	155.23	50.025		
13,700.00	7,001.00	17,070.00	7,159.63	180.41	269.63	-97.55	-7,461.68	-14,148.26	7,667.19	7,512.00	155.19	49.405		
13,800.00	7,001.00	17,070.00	7,159.63	182.39	269.63	-97.55	-7,461.68	-14,148.26	7,568.85	7,413.71	155.15	48.785		
13,900.00	7,001.00	17,070.00	7,159.63	184.40	269.63	-97.55	-7,461.68	-14,148.26	7,470.56	7,315.45	155.11	48.163		
14,000.00	7,001.00	17,070.00	7,159.63	186.43	269.63	-97.55	-7,461.68	-14,148.26	7,372.31	7,217.23	155.08	47.540		
14,100.00	7,001.00	17,070.00	7,159.63	188.48	269.63	-97.55	-7,461.68	-14,148.26	7,274.11	7,119.06	155.05	46.915		
14,200.00	7,001.00	17,070.00	7,159.63	190.54	269.63	-97.55	-7,461.68	-14,148.26	7,175.96	7,020.93	155.03	46.289		
14,300.00	7,001.00	17,070.00	7,159.63	192.63	269.63	-97.55	-7,461.68	-14,148.26	7,077.86	6,922.85	155.01	45.661		
14,400.00	7,001.00	17,070.00	7,159.63	194.73	269.63	-97.55	-7,461.68	-14,148.26	6,979.81	6,824.81	155.00	45.031		
14,500.00	7,001.00	17,070.00	7,159.63	196.85	269.63	-97.55	-7,461.68	-14,148.26	6,881.82	6,726.82	155.00	44.400		
14,600.00	7,001.00	17,070.00	7,159.63	198.99	269.63	-97.55	-7,461.68	-14,148.26	6,783.89	6,628.89	155.00	43.767		
14,700.00	7,001.00	17,070.00	7,159.63	201.14	269.63	-97.55	-7,461.68	-14,148.26	6,686.02	6,531.00	155.01	43.132		
14,800.00	7,001.00	17,070.00	7,159.63	203.31	269.63	-97.55	-7,461.68	-14,148.26	6,588.21	6,433.18	155.04	42.495		
14,900.00	7,001.00	17,070.00	7,159.63	205.50	269.63	-97.55	-7,461.68	-14,148.26	6,490.47	6,335.40	155.07	41.855		
15,000.00	7,001.00	17,070.00	7,159.63	207.70	269.63	-97.55	-7,461.68	-14,148.26	6,392.80	6,237.69	155.11	41.213		
15,100.00	7,001.00	17,070.00	7,159.63	209.91	269.63	-97.55	-7,461.68	-14,148.26	6,295.21	6,140.03	155.17	40.569		
15,200.00	7,001.00	17,070.00	7,159.63	212.14	269.63	-97.55	-7,461.68	-14,148.26	6,197.69	6,042.44	155.25	39.922		
15,300.00	7,001.00	17,070.00	7,159.63	214.38	269.63	-97.55	-7,461.68	-14,148.26	6,100.25	5,944.91	155.33	39.272		
15,400.00	7,001.00	17,070.00	7,159.63	216.64	269.63	-97.55	-7,461.68	-14,148.26	6,002.89	5,847.45	155.44	38.618		
15,500.00	7,001.00	17,070.00	7,159.63	218.90	269.63	-97.55	-7,461.68	-14,148.26	5,905.63	5,750.06	155.57	37.962		
15,600.00	7,001.00	17,070.00	7,159.63	221.18	269.63	-97.55	-7,461.68	-14,148.26	5,808.45	5,652.74	155.72	37.302		
15,700.00	7,001.00	17,070.00	7,159.63	223.47	269.63	-97.55	-7,461.68	-14,148.26	5,711.38	5,555.49	155.89	36.637		
15,800.00	7,001.00	17,070.00	7,159.63	225.78	269.63	-97.55	-7,461.68	-14,148.26	5,614.40	5,458.31	156.09	35.969		
15,900.00	7,001.00	17,070.00	7,159.63	228.09	269.63	-97.55	-7,461.68	-14,148.26	5,517.54	5,361.21	156.32	35.296		
16,000.00	7,001.00	17,070.00	7,159.63	230.41	269.63	-97.55	-7,461.68	-14,148.26	5,420.79	5,264.20	156.59	34.618		
16,100.00	7,001.00	17,070.00	7,159.63	232.75	269.63	-97.55	-7,461.68	-14,148.26	5,324.15	5,167.26	156.89	33.935		
16,200.00	7,001.00	17,070.00	7,159.63	235.09	269.63	-97.55	-7,461.68	-14,148.26	5,227.65	5,070.41	157.24	33.246		
16,300.00	7,001.00	17,070.00	7,159.63	237.45	269.63	-97.55	-7,461.68	-14,148.26	5,131.28	4,973.64	157.64	32.552		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
16,400.00	7,001.00	17,070.00	7,159.63	239.81	269.63	-97.55	-7,461.68	-14,148.26	5,035.05	4,876.96	158.09	31.850		
16,500.00	7,001.00	17,070.00	7,159.63	242.18	269.63	-97.55	-7,461.68	-14,148.26	4,938.97	4,780.37	158.60	31.142		
16,600.00	7,001.00	17,070.00	7,159.63	244.56	269.63	-97.55	-7,461.68	-14,148.26	4,843.05	4,683.87	159.18	30.425		
16,700.00	7,001.00	17,070.00	7,159.63	246.95	269.63	-97.55	-7,461.68	-14,148.26	4,747.29	4,587.46	159.84	29.701		
16,800.00	7,001.00	17,070.00	7,159.63	249.35	269.63	-97.55	-7,461.68	-14,148.26	4,651.72	4,491.14	160.58	28.968		
16,900.00	7,001.00	17,070.00	7,159.63	251.75	269.63	-97.55	-7,461.68	-14,148.26	4,556.34	4,394.91	161.43	28.225		
17,000.00	7,001.00	17,070.00	7,159.63	254.17	269.63	-97.55	-7,461.68	-14,148.26	4,461.15	4,298.77	162.38	27.473		
17,100.00	7,001.00	17,070.00	7,159.63	256.59	269.63	-97.55	-7,461.68	-14,148.26	4,366.19	4,202.72	163.47	26.710		
17,200.00	7,001.00	17,070.00	7,159.63	259.01	269.63	-97.55	-7,461.68	-14,148.26	4,271.45	4,106.76	164.70	25.936		
17,300.00	7,001.00	17,070.00	7,159.63	261.45	269.63	-97.55	-7,461.68	-14,148.26	4,176.96	4,010.88	166.08	25.150		
17,400.00	7,001.00	17,070.00	7,159.63	263.89	269.63	-97.55	-7,461.68	-14,148.26	4,082.73	3,915.08	167.65	24.352		
17,500.00	7,001.00	17,070.00	7,159.63	266.34	269.63	-97.55	-7,461.68	-14,148.26	3,988.78	3,819.35	169.43	23.543		
17,600.00	7,001.00	17,070.00	7,159.63	268.79	269.63	-97.55	-7,461.68	-14,148.26	3,895.14	3,723.70	171.43	22.721		
17,700.00	7,001.00	17,070.00	7,159.63	271.25	269.63	-97.55	-7,461.68	-14,148.26	3,801.81	3,628.11	173.70	21.887		
17,800.00	7,001.00	17,070.00	7,159.63	273.72	269.63	-97.55	-7,461.68	-14,148.26	3,708.84	3,532.59	176.25	21.043		
17,900.00	7,001.00	17,070.00	7,159.63	276.19	269.63	-97.55	-7,461.68	-14,148.26	3,616.24	3,437.11	179.13	20.188		
18,000.00	7,001.00	17,070.00	7,159.63	278.67	269.63	-97.55	-7,461.68	-14,148.26	3,524.04	3,341.68	182.36	19.325		
18,100.00	7,001.00	17,070.00	7,159.63	281.15	269.63	-97.55	-7,461.68	-14,148.26	3,432.28	3,246.30	185.99	18.454		
18,200.00	7,001.00	17,070.00	7,159.63	283.64	269.63	-97.62	-7,461.68	-14,148.26	3,340.99	3,150.95	190.04	17.580		
18,300.00	7,001.00	17,070.00	7,159.63	286.15	269.63	-98.25	-7,461.68	-14,148.26	3,249.33	3,054.98	194.35	16.719		
18,400.00	7,001.00	17,070.00	7,159.63	288.68	269.63	-98.98	-7,461.68	-14,148.26	3,156.79	2,958.07	198.73	15.885		
18,500.00	7,001.00	17,070.00	7,159.63	291.24	269.63	-99.28	-7,461.68	-14,148.26	3,063.66	2,860.44	203.23	15.075		
18,600.00	7,001.00	17,070.00	7,159.63	293.80	269.63	-99.28	-7,461.68	-14,148.26	2,970.89	2,762.73	208.16	14.272		
18,700.00	7,001.00	17,070.00	7,159.63	296.36	269.63	-99.28	-7,461.68	-14,148.26	2,878.60	2,665.01	213.59	13.477		
18,800.00	7,001.00	17,070.00	7,159.63	298.93	269.63	-99.28	-7,461.68	-14,148.26	2,786.84	2,567.27	219.56	12.693		
18,900.00	7,001.00	17,070.00	7,159.63	301.50	269.63	-99.28	-7,461.68	-14,148.26	2,695.66	2,469.53	226.13	11.921		
19,000.00	7,001.00	17,070.00	7,159.63	304.07	269.63	-99.28	-7,461.68	-14,148.26	2,605.14	2,371.80	233.34	11.165		
19,100.00	7,001.00	17,070.00	7,159.63	306.65	269.63	-99.28	-7,461.68	-14,148.26	2,515.33	2,274.10	241.23	10.427		
19,200.00	7,001.00	17,070.00	7,159.63	309.23	269.63	-99.28	-7,461.68	-14,148.26	2,426.32	2,176.44	249.88	9.710		
19,300.00	7,001.00	17,070.00	7,159.63	311.81	269.63	-99.28	-7,461.68	-14,148.26	2,338.20	2,078.87	259.33	9.016		
19,400.00	7,001.00	17,070.00	7,159.63	314.39	269.63	-99.28	-7,461.68	-14,148.26	2,251.07	1,981.43	269.65	8.348		
19,500.00	7,001.00	17,070.00	7,159.63	316.97	269.63	-99.28	-7,461.68	-14,148.26	2,165.06	1,884.16	280.89	7.708		
19,600.00	7,001.00	17,070.00	7,159.63	319.56	269.63	-99.28	-7,461.68	-14,148.26	2,080.29	1,787.16	293.13	7.097		
19,700.00	7,001.00	17,070.00	7,159.63	322.15	269.63	-99.28	-7,461.68	-14,148.26	1,996.94	1,690.50	306.44	6.517		
19,800.00	7,001.00	17,070.00	7,159.63	324.74	269.63	-99.28	-7,461.68	-14,148.26	1,915.18	1,594.31	320.87	5.969		
19,900.00	7,001.00	17,070.00	7,159.63	327.33	269.63	-99.17	-7,461.68	-14,148.26	1,835.31	1,498.79	336.52	5.454		
20,000.00	7,001.00	17,070.00	7,159.63	329.92	269.63	-98.80	-7,461.68	-14,148.26	1,759.17	1,405.21	353.96	4.970		
20,100.00	7,001.00	17,070.00	7,159.63	332.49	269.63	-98.50	-7,461.68	-14,148.26	1,687.95	1,314.56	373.39	4.521		
20,200.00	7,001.00	17,070.00	7,159.63	335.04	269.63	-98.42	-7,461.68	-14,148.26	1,621.70	1,227.17	394.54	4.110		
20,300.00	7,001.00	17,070.00	7,159.63	337.60	269.63	-98.42	-7,461.68	-14,148.26	1,559.16	1,142.38	416.78	3.741		
20,400.00	7,001.00	17,070.00	7,159.63	340.16	269.63	-98.42	-7,461.68	-14,148.26	1,500.68	1,060.77	439.91	3.411		
20,500.00	7,001.00	17,070.00	7,159.63	342.72	269.63	-98.42	-7,461.68	-14,148.26	1,446.76	983.09	463.67	3.120		
20,600.00	7,001.00	17,070.00	7,159.63	345.29	269.63	-98.42	-7,461.68	-14,148.26	1,397.92	910.23	487.69	2.866		
20,700.00	7,001.00	17,070.00	7,159.63	347.86	269.63	-98.42	-7,461.68	-14,148.26	1,354.71	843.21	511.50	2.648		
20,800.00	7,001.00	17,070.00	7,159.63	350.43	269.63	-98.42	-7,461.68	-14,148.26	1,317.69	783.15	534.54	2.465		
20,900.00	7,001.00	17,070.00	7,159.63	353.00	269.63	-98.42	-7,461.68	-14,148.26	1,287.39	731.23	556.16	2.315		
21,000.00	7,001.00	17,070.00	7,159.63	355.58	269.63	-98.42	-7,461.68	-14,148.26	1,264.29	688.61	575.68	2.196		
21,100.00	7,001.00	17,070.00	7,159.63	358.16	269.63	-98.42	-7,461.68	-14,148.26	1,248.80	656.35	592.45	2.108		
21,121.77	7,001.00	17,070.00	7,159.63	358.72	269.63	-98.42	-7,461.68	-14,148.26	1,246.46	650.79	595.68	2.093 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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
11,200.00	7,001.00	16,991.00	6,977.50	139.38	270.92	89.97	-5,191.76	-14,181.51	10,117.91	9,957.61	160.29	63.121		
11,300.00	7,001.00	16,991.00	6,977.50	140.65	270.92	89.97	-5,191.76	-14,181.51	10,018.31	9,857.60	160.71	62.340		
11,400.00	7,001.00	16,991.00	6,977.50	141.95	270.92	89.97	-5,191.76	-14,181.51	9,918.72	9,757.59	161.12	61.559		
11,500.00	7,001.00	16,991.00	6,977.50	143.29	270.92	89.97	-5,191.76	-14,181.51	9,819.13	9,657.58	161.55	60.779		
11,600.00	7,001.00	16,991.00	6,977.50	144.66	270.92	89.97	-5,191.76	-14,181.51	9,719.56	9,557.56	161.99	60.000		
11,700.00	7,001.00	16,991.00	6,977.50	146.06	270.92	89.97	-5,191.76	-14,181.51	9,619.99	9,457.55	162.44	59.221		
11,800.00	7,001.00	16,991.00	6,977.50	147.50	270.92	89.97	-5,191.76	-14,181.51	9,520.43	9,357.53	162.90	58.443		
11,900.00	7,001.00	16,991.00	6,977.50	148.97	270.92	89.97	-5,191.76	-14,181.51	9,420.88	9,257.51	163.37	57.665		
12,000.00	7,001.00	16,991.00	6,977.50	150.47	270.92	89.97	-5,191.76	-14,181.51	9,321.35	9,157.49	163.85	56.888		
12,100.00	7,001.00	16,991.00	6,977.50	152.00	270.92	89.97	-5,191.76	-14,181.51	9,221.82	9,057.47	164.35	56.112		
12,200.00	7,001.00	16,991.00	6,977.50	153.57	270.92	89.97	-5,191.76	-14,181.51	9,122.30	8,957.45	164.85	55.337		
12,300.00	7,001.00	16,991.00	6,977.50	155.16	270.92	89.97	-5,191.76	-14,181.51	9,022.79	8,857.42	165.37	54.562		
12,400.00	7,001.00	16,991.00	6,977.50	156.79	270.92	89.97	-5,191.76	-14,181.51	8,923.29	8,757.40	165.90	53.788		
12,500.00	7,001.00	16,991.00	6,977.50	158.44	270.92	89.97	-5,191.76	-14,181.51	8,823.81	8,657.37	166.44	53.015		
12,600.00	7,001.00	16,991.00	6,977.50	160.13	270.92	89.97	-5,191.76	-14,181.51	8,724.34	8,557.34	167.00	52.242		
12,700.00	7,001.00	16,991.00	6,977.50	161.84	270.92	89.97	-5,191.76	-14,181.51	8,624.88	8,457.31	167.57	51.471		
12,800.00	7,001.00	16,991.00	6,977.50	163.58	270.92	89.97	-5,191.76	-14,181.51	8,525.43	8,357.27	168.15	50.700		
12,900.00	7,001.00	16,991.00	6,977.50	165.35	270.92	89.97	-5,191.76	-14,181.51	8,425.99	8,257.24	168.75	49.931		
13,000.00	7,001.00	16,991.00	6,977.50	167.14	270.92	89.97	-5,191.76	-14,181.51	8,326.57	8,157.20	169.37	49.162		
13,100.00	7,001.00	16,991.00	6,977.50	168.97	270.92	89.97	-5,191.76	-14,181.51	8,227.16	8,057.16	170.00	48.394		
13,200.00	7,001.00	16,991.00	6,977.50	170.81	270.92	89.97	-5,191.76	-14,181.51	8,127.77	7,957.12	170.65	47.628		
13,300.00	7,001.00	16,991.00	6,977.50	172.68	270.92	89.97	-5,191.76	-14,181.51	8,028.39	7,857.07	171.32	46.862		
13,400.00	7,001.00	16,991.00	6,977.50	174.58	270.92	89.97	-5,191.76	-14,181.51	7,929.03	7,757.02	172.00	46.098		
13,500.00	7,001.00	16,991.00	6,977.50	176.50	270.92	89.97	-5,191.76	-14,181.51	7,829.68	7,656.97	172.71	45.335		
13,600.00	7,001.00	16,991.00	6,977.50	178.44	270.92	89.97	-5,191.76	-14,181.51	7,730.35	7,556.92	173.43	44.573		
13,700.00	7,001.00	16,991.00	6,977.50	180.41	270.92	89.97	-5,191.76	-14,181.51	7,631.04	7,456.86	174.18	43.812		
13,800.00	7,001.00	16,991.00	6,977.50	182.39	270.92	89.97	-5,191.76	-14,181.51	7,531.74	7,356.80	174.94	43.053		
13,900.00	7,001.00	16,991.00	6,977.50	184.40	270.92	89.97	-5,191.76	-14,181.51	7,432.47	7,256.74	175.73	42.295		
14,000.00	7,001.00	16,991.00	6,977.50	186.43	270.92	89.97	-5,191.76	-14,181.51	7,333.21	7,156.67	176.54	41.538		
14,100.00	7,001.00	16,991.00	6,977.50	188.48	270.92	89.97	-5,191.76	-14,181.51	7,233.98	7,056.60	177.38	40.783		
14,200.00	7,001.00	16,991.00	6,977.50	190.54	270.92	89.97	-5,191.76	-14,181.51	7,134.77	6,956.53	178.24	40.030		
14,300.00	7,001.00	16,991.00	6,977.50	192.63	270.92	89.97	-5,191.76	-14,181.51	7,035.57	6,856.45	179.12	39.278		
14,400.00	7,001.00	16,991.00	6,977.50	194.73	270.92	89.97	-5,191.76	-14,181.51	6,936.41	6,756.37	180.04	38.528		
14,500.00	7,001.00	16,991.00	6,977.50	196.85	270.92	89.97	-5,191.76	-14,181.51	6,837.26	6,656.29	180.98	37.780		
14,600.00	7,001.00	16,991.00	6,977.50	198.99	270.92	89.97	-5,191.76	-14,181.51	6,738.14	6,556.19	181.95	37.033		
14,700.00	7,001.00	16,991.00	6,977.50	201.14	270.92	89.97	-5,191.76	-14,181.51	6,639.05	6,456.10	182.95	36.288		
14,800.00	7,001.00	16,991.00	6,977.50	203.31	270.92	89.97	-5,191.76	-14,181.51	6,539.99	6,356.00	183.99	35.546		
14,900.00	7,001.00	16,991.00	6,977.50	205.50	270.92	89.97	-5,191.76	-14,181.51	6,440.95	6,255.89	185.06	34.805		
15,000.00	7,001.00	16,991.00	6,977.50	207.70	270.92	89.97	-5,191.76	-14,181.51	6,341.95	6,155.78	186.16	34.067		
15,100.00	7,001.00	16,991.00	6,977.50	209.91	270.92	89.97	-5,191.76	-14,181.51	6,242.97	6,055.67	187.31	33.330		
15,200.00	7,001.00	16,991.00	6,977.50	212.14	270.92	89.97	-5,191.76	-14,181.51	6,144.03	5,955.54	188.49	32.596		
15,300.00	7,001.00	16,991.00	6,977.50	214.38	270.92	89.97	-5,191.76	-14,181.51	6,045.13	5,855.42	189.71	31.865		
15,400.00	7,001.00	16,991.00	6,977.50	216.64	270.92	89.97	-5,191.76	-14,181.51	5,946.26	5,755.28	190.98	31.136		
15,500.00	7,001.00	16,991.00	6,977.50	218.90	270.92	89.97	-5,191.76	-14,181.51	5,847.43	5,655.14	192.29	30.409		
15,600.00	7,001.00	16,991.00	6,977.50	221.18	270.92	89.97	-5,191.76	-14,181.51	5,748.64	5,554.99	193.65	29.685		
15,700.00	7,001.00	16,991.00	6,977.50	223.47	270.92	89.97	-5,191.76	-14,181.51	5,649.89	5,454.83	195.06	28.964		
15,800.00	7,001.00	16,991.00	6,977.50	225.78	270.92	89.97	-5,191.76	-14,181.51	5,551.19	5,354.66	196.53	28.247		
15,900.00	7,001.00	16,991.00	6,977.50	228.09	270.92	89.97	-5,191.76	-14,181.51	5,452.53	5,254.49	198.05	27.532		
16,000.00	7,001.00	16,991.00	6,977.50	230.41	270.92	89.97	-5,191.76	-14,181.51	5,353.93	5,154.30	199.62	26.820		
16,100.00	7,001.00	16,991.00	6,977.50	232.75	270.92	89.97	-5,191.76	-14,181.51	5,255.38	5,054.11	201.27	26.112		
16,200.00	7,001.00	16,991.00	6,977.50	235.09	270.92	89.97	-5,191.76	-14,181.51	5,156.88	4,953.91	202.97	25.407		
16,300.00	7,001.00	16,991.00	6,977.50	237.45	270.92	89.97	-5,191.76	-14,181.51	5,058.44	4,853.69	204.75	24.706		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
16,400.00	7,001.00	16,991.00	6,977.50	239.81	270.92	89.97	-5,191.76	-14,181.51	4,960.07	4,753.47	206.60	24.008		
16,500.00	7,001.00	16,991.00	6,977.50	242.18	270.92	89.97	-5,191.76	-14,181.51	4,861.76	4,653.23	208.53	23.315		
16,600.00	7,001.00	16,991.00	6,977.50	244.56	270.92	89.97	-5,191.76	-14,181.51	4,763.52	4,552.98	210.54	22.625		
16,700.00	7,001.00	16,991.00	6,977.50	246.95	270.92	89.97	-5,191.76	-14,181.51	4,665.36	4,452.72	212.64	21.940		
16,800.00	7,001.00	16,991.00	6,977.50	249.35	270.92	89.97	-5,191.76	-14,181.51	4,567.27	4,352.44	214.83	21.260		
16,900.00	7,001.00	16,991.00	6,977.50	251.75	270.92	89.97	-5,191.76	-14,181.51	4,469.27	4,252.15	217.12	20.584		
17,000.00	7,001.00	16,991.00	6,977.50	254.17	270.92	89.97	-5,191.76	-14,181.51	4,371.37	4,151.84	219.52	19.913		
17,100.00	7,001.00	16,991.00	6,977.50	256.59	270.92	89.97	-5,191.76	-14,181.51	4,273.55	4,051.52	222.03	19.247		
17,200.00	7,001.00	16,991.00	6,977.50	259.01	270.92	89.97	-5,191.76	-14,181.51	4,175.85	3,951.18	224.67	18.587		
17,300.00	7,001.00	16,991.00	6,977.50	261.45	270.92	89.97	-5,191.76	-14,181.51	4,078.25	3,850.82	227.43	17.932		
17,400.00	7,001.00	16,991.00	6,977.50	263.89	270.92	89.97	-5,191.76	-14,181.51	3,980.77	3,750.44	230.33	17.283		
17,500.00	7,001.00	16,991.00	6,977.50	266.34	270.92	89.97	-5,191.76	-14,181.51	3,883.42	3,650.05	233.38	16.640		
17,600.00	7,001.00	16,991.00	6,977.50	268.79	270.92	89.97	-5,191.76	-14,181.51	3,786.21	3,549.63	236.58	16.004		
17,700.00	7,001.00	16,991.00	6,977.50	271.25	270.92	89.97	-5,191.76	-14,181.51	3,689.15	3,449.19	239.96	15.374		
17,800.00	7,001.00	16,991.00	6,977.50	273.72	270.92	89.97	-5,191.76	-14,181.51	3,592.25	3,348.73	243.52	14.751		
17,900.00	7,001.00	16,991.00	6,977.50	276.19	270.92	89.97	-5,191.76	-14,181.51	3,495.52	3,248.24	247.28	14.136		
18,000.00	7,001.00	16,991.00	6,977.50	278.67	270.92	89.97	-5,191.76	-14,181.51	3,398.99	3,147.73	251.26	13.528		
18,100.00	7,001.00	16,991.00	6,977.50	281.15	270.92	89.97	-5,191.76	-14,181.51	3,302.66	3,047.19	255.46	12.928		
18,200.00	7,001.00	16,991.00	6,977.50	283.64	270.92	89.97	-5,191.76	-14,181.51	3,206.56	2,946.63	259.92	12.337		
18,300.00	7,001.00	16,991.00	6,977.50	286.15	270.92	89.97	-5,191.76	-14,181.51	3,111.35	2,846.35	265.00	11.741		
18,400.00	7,001.00	16,991.00	6,977.50	288.68	270.92	89.97	-5,191.76	-14,181.51	3,017.63	2,746.68	270.95	11.137		
18,500.00	7,001.00	16,991.00	6,977.50	291.24	270.92	89.97	-5,191.76	-14,181.51	2,925.38	2,647.64	277.74	10.533		
18,600.00	7,001.00	16,991.00	6,977.50	293.80	270.92	89.97	-5,191.76	-14,181.51	2,833.75	2,548.77	284.99	9.943		
18,700.00	7,001.00	16,991.00	6,977.50	296.36	270.92	89.97	-5,191.76	-14,181.51	2,742.71	2,450.02	292.69	9.371		
18,800.00	7,001.00	16,991.00	6,977.50	298.93	270.92	89.97	-5,191.76	-14,181.51	2,652.32	2,351.43	300.89	8.815		
18,900.00	7,001.00	16,991.00	6,977.50	301.50	270.92	89.97	-5,191.76	-14,181.51	2,562.64	2,253.02	309.62	8.277		
19,000.00	7,001.00	16,991.00	6,977.50	304.07	270.92	89.97	-5,191.76	-14,181.51	2,473.74	2,154.82	318.92	7.757		
19,100.00	7,001.00	16,991.00	6,977.50	306.65	270.92	89.97	-5,191.76	-14,181.51	2,385.73	2,056.90	328.84	7.255		
19,200.00	7,001.00	16,991.00	6,977.50	309.23	270.92	89.97	-5,191.76	-14,181.51	2,298.70	1,959.29	339.41	6.773		
19,300.00	7,001.00	16,991.00	6,977.50	311.81	270.92	89.97	-5,191.76	-14,181.51	2,212.77	1,862.08	350.69	6.310		
19,400.00	7,001.00	16,991.00	6,977.50	314.39	270.92	89.97	-5,191.76	-14,181.51	2,128.06	1,765.34	362.73	5.867		
19,500.00	7,001.00	16,991.00	6,977.50	316.97	270.92	89.97	-5,191.76	-14,181.51	2,044.74	1,669.18	375.56	5.444		
19,600.00	7,001.00	16,991.00	6,977.50	319.56	270.92	89.97	-5,191.76	-14,181.51	1,962.98	1,573.74	389.23	5.043		
19,700.00	7,001.00	16,991.00	6,977.50	322.15	270.92	89.97	-5,191.76	-14,181.51	1,882.97	1,479.20	403.78	4.663		
19,800.00	7,001.00	16,991.00	6,977.50	324.74	270.92	89.97	-5,191.76	-14,181.51	1,804.97	1,385.75	419.22	4.306		
19,900.00	7,001.00	16,991.00	6,977.50	327.33	270.92	89.97	-5,191.76	-14,181.51	1,729.13	1,293.61	435.52	3.970		
20,000.00	7,001.00	16,991.00	6,977.50	329.92	270.92	89.97	-5,191.76	-14,181.51	1,654.10	1,201.88	452.22	3.658		
20,100.00	7,001.00	16,991.00	6,977.50	332.49	270.92	89.97	-5,191.76	-14,181.51	1,579.40	1,110.28	469.12	3.367		
20,200.00	7,001.00	16,991.00	6,977.50	335.04	270.92	89.97	-5,191.76	-14,181.51	1,505.83	1,019.46	486.37	3.096		
20,300.00	7,001.00	16,991.00	6,977.50	337.60	270.92	89.97	-5,191.76	-14,181.51	1,435.36	931.04	504.32	2.846		
20,400.00	7,001.00	16,991.00	6,977.50	340.16	270.92	89.97	-5,191.76	-14,181.51	1,368.57	845.77	522.80	2.618		
20,500.00	7,001.00	16,991.00	6,977.50	342.72	270.92	89.97	-5,191.76	-14,181.51	1,306.03	764.52	541.51	2.412		
20,600.00	7,001.00	16,991.00	6,977.50	345.29	270.92	89.97	-5,191.76	-14,181.51	1,248.37	688.37	560.00	2.229		
20,700.00	7,001.00	16,991.00	6,977.50	347.86	270.92	89.97	-5,191.76	-14,181.51	1,196.31	618.62	577.69	2.071		
20,800.00	7,001.00	16,991.00	6,977.50	350.43	270.92	89.97	-5,191.76	-14,181.51	1,150.61	556.78	593.82	1.938		
20,900.00	7,001.00	16,991.00	6,977.50	353.00	270.92	89.97	-5,191.76	-14,181.51	1,112.04	504.53	607.50	1.831		
21,000.00	7,001.00	16,991.00	6,977.50	355.58	270.92	89.97	-5,191.76	-14,181.51	1,081.37	463.59	617.77	1.750		
21,100.00	7,001.00	16,991.00	6,977.50	358.16	270.92	89.97	-5,191.76	-14,181.51	1,059.28	435.58	623.71	1.698		
21,121.77	7,001.00	16,991.00	6,977.50	358.72	270.92	89.97	-5,191.76	-14,181.51	1,055.67	431.32	624.35	1.691 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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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						
11,200.00	7,001.00	16,815.00	6,894.39	139.38	217.73	81.57	-5,527.12	-14,195.07	10,107.06	9,952.74	154.32	65.494						
11,300.00	7,001.00	16,815.00	6,894.39	140.65	217.73	81.57	-5,527.12	-14,195.07	10,007.22	9,852.69	154.53	64.757						
11,400.00	7,001.00	16,815.00	6,894.39	141.95	217.73	81.57	-5,527.12	-14,195.07	9,907.38	9,752.63	154.75	64.021						
11,500.00	7,001.00	16,815.00	6,894.39	143.29	217.73	81.57	-5,527.12	-14,195.07	9,807.55	9,652.58	154.98	63.284						
11,600.00	7,001.00	16,815.00	6,894.39	144.66	217.73	81.57	-5,527.12	-14,195.07	9,707.72	9,552.52	155.20	62.548						
11,700.00	7,001.00	16,815.00	6,894.39	146.06	217.73	81.57	-5,527.12	-14,195.07	9,607.90	9,452.46	155.44	61.812						
11,800.00	7,001.00	16,815.00	6,894.39	147.50	217.73	81.57	-5,527.12	-14,195.07	9,508.07	9,352.40	155.68	61.076						
11,900.00	7,001.00	16,815.00	6,894.39	148.97	217.73	81.57	-5,527.12	-14,195.07	9,408.26	9,252.33	155.92	60.340						
12,000.00	7,001.00	16,815.00	6,894.39	150.47	217.73	81.57	-5,527.12	-14,195.07	9,308.44	9,152.27	156.17	59.604						
12,100.00	7,001.00	16,815.00	6,894.39	152.00	217.73	81.57	-5,527.12	-14,195.07	9,208.63	9,052.20	156.43	58.868						
12,200.00	7,001.00	16,815.00	6,894.39	153.57	217.73	81.57	-5,527.12	-14,195.07	9,108.83	8,952.13	156.69	58.132						
12,300.00	7,001.00	16,815.00	6,894.39	155.16	217.73	81.57	-5,527.12	-14,195.07	9,009.02	8,852.06	156.96	57.397						
12,400.00	7,001.00	16,815.00	6,894.39	156.79	217.73	81.57	-5,527.12	-14,195.07	8,909.23	8,751.99	157.23	56.662						
12,500.00	7,001.00	16,815.00	6,894.39	158.44	217.73	81.57	-5,527.12	-14,195.07	8,809.43	8,651.92	157.52	55.927						
12,600.00	7,001.00	16,815.00	6,894.39	160.13	217.73	81.57	-5,527.12	-14,195.07	8,709.65	8,551.84	157.81	55.192						
12,700.00	7,001.00	16,815.00	6,894.39	161.84	217.73	81.57	-5,527.12	-14,195.07	8,609.86	8,451.76	158.10	54.458						
12,800.00	7,001.00	16,815.00	6,894.39	163.58	217.73	81.57	-5,527.12	-14,195.07	8,510.08	8,351.68	158.41	53.723						
12,900.00	7,001.00	16,815.00	6,894.39	165.35	217.73	81.57	-5,527.12	-14,195.07	8,410.31	8,251.59	158.72	52.989						
13,000.00	7,001.00	16,815.00	6,894.39	167.14	217.73	81.57	-5,527.12	-14,195.07	8,310.54	8,151.51	159.04	52.255						
13,100.00	7,001.00	16,815.00	6,894.39	168.97	217.73	81.57	-5,527.12	-14,195.07	8,210.78	8,051.42	159.37	51.522						
13,200.00	7,001.00	16,815.00	6,894.39	170.81	217.73	81.57	-5,527.12	-14,195.07	8,111.03	7,951.32	159.70	50.788						
13,300.00	7,001.00	16,815.00	6,894.39	172.68	217.73	81.57	-5,527.12	-14,195.07	8,011.28	7,851.23	160.05	50.055						
13,400.00	7,001.00	16,815.00	6,894.39	174.58	217.73	81.57	-5,527.12	-14,195.07	7,911.53	7,751.13	160.40	49.322						
13,500.00	7,001.00	16,815.00	6,894.39	176.50	217.73	81.57	-5,527.12	-14,195.07	7,811.80	7,651.03	160.77	48.590						
13,600.00	7,001.00	16,815.00	6,894.39	178.44	217.73	81.57	-5,527.12	-14,195.07	7,712.07	7,550.92	161.15	47.858						
13,700.00	7,001.00	16,815.00	6,894.39	180.41	217.73	81.57	-5,527.12	-14,195.07	7,612.35	7,450.81	161.53	47.126						
13,800.00	7,001.00	16,815.00	6,894.39	182.39	217.73	81.57	-5,527.12	-14,195.07	7,512.63	7,350.70	161.93	46.395						
13,900.00	7,001.00	16,815.00	6,894.39	184.40	217.73	81.57	-5,527.12	-14,195.07	7,412.92	7,250.58	162.34	45.664						
14,000.00	7,001.00	16,815.00	6,894.39	186.43	217.73	81.57	-5,527.12	-14,195.07	7,313.22	7,150.46	162.76	44.933						
14,100.00	7,001.00	16,815.00	6,894.39	188.48	217.73	81.57	-5,527.12	-14,195.07	7,213.53	7,050.34	163.19	44.203						
14,200.00	7,001.00	16,815.00	6,894.39	190.54	217.73	81.57	-5,527.12	-14,195.07	7,113.85	6,950.21	163.64	43.473						
14,300.00	7,001.00	16,815.00	6,894.39	192.63	217.73	81.57	-5,527.12	-14,195.07	7,014.17	6,850.07	164.10	42.743						
14,400.00	7,001.00	16,815.00	6,894.39	194.73	217.73	81.57	-5,527.12	-14,195.07	6,914.51	6,749.94	164.57	42.014						
14,500.00	7,001.00	16,815.00	6,894.39	196.85	217.73	81.57	-5,527.12	-14,195.07	6,814.85	6,649.79	165.06	41.286						
14,600.00	7,001.00	16,815.00	6,894.39	198.99	217.73	81.57	-5,527.12	-14,195.07	6,715.21	6,549.64	165.57	40.558						
14,700.00	7,001.00	16,815.00	6,894.39	201.14	217.73	81.57	-5,527.12	-14,195.07	6,615.58	6,449.49	166.09	39.831						
14,800.00	7,001.00	16,815.00	6,894.39	203.31	217.73	81.57	-5,527.12	-14,195.07	6,515.95	6,349.32	166.63	39.104						
14,900.00	7,001.00	16,815.00	6,894.39	205.50	217.73	81.57	-5,527.12	-14,195.07	6,416.34	6,249.16	167.19	38.378						
15,000.00	7,001.00	16,815.00	6,894.39	207.70	217.73	81.57	-5,527.12	-14,195.07	6,316.75	6,148.98	167.77	37.652						
15,100.00	7,001.00	16,815.00	6,894.39	209.91	217.73	81.57	-5,527.12	-14,195.07	6,217.16	6,048.80	168.36	36.927						
15,200.00	7,001.00	16,815.00	6,894.39	212.14	217.73	81.57	-5,527.12	-14,195.07	6,117.59	5,948.61	168.98	36.203						
15,300.00	7,001.00	16,815.00	6,894.39	214.38	217.73	81.57	-5,527.12	-14,195.07	6,018.03	5,848.41	169.62	35.480						
15,400.00	7,001.00	16,815.00	6,894.39	216.64	217.73	81.57	-5,527.12	-14,195.07	5,918.49	5,748.21	170.28	34.757						
15,500.00	7,001.00	16,815.00	6,894.39	218.90	217.73	81.57	-5,527.12	-14,195.07	5,818.96	5,647.99	170.97	34.035						
15,600.00	7,001.00	16,815.00	6,894.39	221.18	217.73	81.57	-5,527.12	-14,195.07	5,719.45	5,547.77	171.68	33.314						
15,700.00	7,001.00	16,815.00	6,894.39	223.47	217.73	81.57	-5,527.12	-14,195.07	5,619.96	5,447.53	172.42	32.594						
15,800.00	7,001.00	16,815.00	6,894.39	225.78	217.73	81.57	-5,527.12	-14,195.07	5,520.48	5,347.29	173.19	31.875						
15,900.00	7,001.00	16,815.00	6,894.39	228.09	217.73	81.57	-5,527.12	-14,195.07	5,421.03	5,247.03	173.99	31.157						
16,000.00	7,001.00	16,815.00	6,894.39	230.41	217.73	81.57	-5,527.12	-14,195.07	5,321.59	5,146.77	174.82	30.440						
16,100.00	7,001.00	16,815.00	6,894.39	232.75	217.73	81.57	-5,527.12	-14,195.07	5,222.18	5,046.49	175.69	29.724						
16,200.00	7,001.00	16,815.00	6,894.39	235.09	217.73	81.57	-5,527.12	-14,195.07	5,122.79	4,946.19	176.59	29.009						
16,300.00	7,001.00	16,815.00	6,894.39	237.45	217.73	81.57	-5,527.12	-14,195.07	5,023.42	4,845.89	177.54	28.295						

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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				
16,400.00	7,001.00	16,815.00	6,894.39	239.81	217.73	81.57	-5,527.12	-14,195.07	4,924.08	4,745.56	178.52	27.583				
16,500.00	7,001.00	16,815.00	6,894.39	242.18	217.73	81.57	-5,527.12	-14,195.07	4,824.77	4,645.22	179.54	26.872				
16,600.00	7,001.00	16,815.00	6,894.39	244.56	217.73	81.57	-5,527.12	-14,195.07	4,725.48	4,544.87	180.62	26.163				
16,700.00	7,001.00	16,815.00	6,894.39	246.95	217.73	81.57	-5,527.12	-14,195.07	4,626.23	4,444.49	181.74	25.455				
16,800.00	7,001.00	16,815.00	6,894.39	249.35	217.73	81.57	-5,527.12	-14,195.07	4,527.01	4,344.09	182.91	24.749				
16,900.00	7,001.00	16,815.00	6,894.39	251.75	217.73	81.57	-5,527.12	-14,195.07	4,427.82	4,243.68	184.15	24.045				
17,000.00	7,001.00	16,815.00	6,894.39	254.17	217.73	81.57	-5,527.12	-14,195.07	4,328.67	4,143.23	185.44	23.343				
17,100.00	7,001.00	16,815.00	6,894.39	256.59	217.73	81.57	-5,527.12	-14,195.07	4,229.56	4,042.77	186.80	22.643				
17,200.00	7,001.00	16,815.00	6,894.39	259.01	217.73	81.57	-5,527.12	-14,195.07	4,130.50	3,942.28	188.22	21.945				
17,300.00	7,001.00	16,815.00	6,894.39	261.45	217.73	81.57	-5,527.12	-14,195.07	4,031.48	3,841.75	189.72	21.249				
17,400.00	7,001.00	16,815.00	6,894.39	263.89	217.73	81.57	-5,527.12	-14,195.07	3,932.51	3,741.20	191.31	20.556				
17,500.00	7,001.00	16,815.00	6,894.39	266.34	217.73	81.57	-5,527.12	-14,195.07	3,833.59	3,640.61	192.98	19.865				
17,600.00	7,001.00	16,815.00	6,894.39	268.79	217.73	81.57	-5,527.12	-14,195.07	3,734.73	3,539.99	194.74	19.178				
17,700.00	7,001.00	16,815.00	6,894.39	271.25	217.73	81.57	-5,527.12	-14,195.07	3,635.94	3,439.33	196.61	18.493				
17,800.00	7,001.00	16,815.00	6,894.39	273.72	217.73	81.57	-5,527.12	-14,195.07	3,537.21	3,338.62	198.59	17.812				
17,900.00	7,001.00	16,815.00	6,894.39	276.19	217.73	81.57	-5,527.12	-14,195.07	3,438.55	3,237.87	200.69	17.134				
18,000.00	7,001.00	16,815.00	6,894.39	278.67	217.73	81.57	-5,527.12	-14,195.07	3,339.98	3,137.06	202.92	16.460				
18,100.00	7,001.00	16,815.00	6,894.39	281.15	217.73	81.57	-5,527.12	-14,195.07	3,241.49	3,036.20	205.29	15.790				
18,200.00	7,001.00	16,815.00	6,894.39	283.64	217.73	81.75	-5,527.12	-14,195.07	3,143.10	2,935.28	207.82	15.124				
18,300.00	7,001.00	16,815.00	6,894.39	286.15	217.73	83.02	-5,527.12	-14,195.07	3,045.25	2,834.41	210.84	14.443				
18,400.00	7,001.00	16,815.00	6,894.39	288.68	217.73	83.91	-5,527.12	-14,195.07	2,948.34	2,733.74	214.60	13.739				
18,500.00	7,001.00	16,815.00	6,894.39	291.24	217.73	84.18	-5,527.12	-14,195.07	2,852.40	2,633.34	219.06	13.021				
18,600.00	7,001.00	16,815.00	6,894.39	293.80	217.73	84.18	-5,527.12	-14,195.07	2,756.82	2,532.94	223.88	12.314				
18,700.00	7,001.00	16,815.00	6,894.39	296.36	217.73	84.18	-5,527.12	-14,195.07	2,661.57	2,432.50	229.07	11.619				
18,800.00	7,001.00	16,815.00	6,894.39	298.93	217.73	84.18	-5,527.12	-14,195.07	2,566.68	2,332.02	234.66	10.938				
18,900.00	7,001.00	16,815.00	6,894.39	301.50	217.73	84.18	-5,527.12	-14,195.07	2,472.19	2,231.50	240.69	10.271				
19,000.00	7,001.00	16,815.00	6,894.39	304.07	217.73	84.18	-5,527.12	-14,195.07	2,378.15	2,130.95	247.20	9.620				
19,100.00	7,001.00	16,815.00	6,894.39	306.65	217.73	84.18	-5,527.12	-14,195.07	2,284.62	2,030.36	254.25	8.986				
19,200.00	7,001.00	16,815.00	6,894.39	309.23	217.73	84.18	-5,527.12	-14,195.07	2,191.65	1,929.76	261.89	8.368				
19,300.00	7,001.00	16,815.00	6,894.39	311.81	217.73	84.18	-5,527.12	-14,195.07	2,099.34	1,829.15	270.19	7.770				
19,400.00	7,001.00	16,815.00	6,894.39	314.39	217.73	84.18	-5,527.12	-14,195.07	2,007.76	1,728.54	279.22	7.191				
19,500.00	7,001.00	16,815.00	6,894.39	316.97	217.73	84.18	-5,527.12	-14,195.07	1,917.02	1,627.96	289.06	6.632				
19,600.00	7,001.00	16,815.00	6,894.39	319.56	217.73	84.18	-5,527.12	-14,195.07	1,827.25	1,527.45	299.80	6.095				
19,700.00	7,001.00	16,815.00	6,894.39	322.15	217.73	84.18	-5,527.12	-14,195.07	1,738.60	1,427.06	311.54	5.581				
19,800.00	7,001.00	16,815.00	6,894.39	324.74	217.73	84.18	-5,527.12	-14,195.07	1,651.25	1,326.87	324.37	5.091				
19,900.00	7,001.00	16,815.00	6,894.39	327.33	217.73	84.09	-5,527.12	-14,195.07	1,565.33	1,226.95	338.38	4.626				
20,000.00	7,001.00	16,815.00	6,894.39	329.92	217.73	83.74	-5,527.12	-14,195.07	1,479.79	1,126.73	353.07	4.191				
20,100.00	7,001.00	16,815.00	6,894.39	332.49	217.73	83.36	-5,527.12	-14,195.07	1,394.27	1,025.99	368.28	3.786				
20,200.00	7,001.00	16,815.00	6,894.39	335.04	217.73	83.26	-5,527.12	-14,195.07	1,309.37	925.04	384.32	3.407				
20,300.00	7,001.00	16,815.00	6,894.39	337.60	217.73	83.26	-5,527.12	-14,195.07	1,226.66	824.74	401.92	3.052				
20,400.00	7,001.00	16,815.00	6,894.39	340.16	217.73	83.26	-5,527.12	-14,195.07	1,146.72	725.54	421.18	2.723				
20,500.00	7,001.00	16,815.00	6,894.39	342.72	217.73	83.26	-5,527.12	-14,195.07	1,070.16	628.09	442.07	2.421				
20,600.00	7,001.00	16,815.00	6,894.39	345.29	217.73	83.26	-5,527.12	-14,195.07	997.75	533.34	464.41	2.148				
20,700.00	7,001.00	16,815.00	6,894.39	347.86	217.73	83.26	-5,527.12	-14,195.07	930.46	442.73	487.74	1.908				
20,800.00	7,001.00	16,815.00	6,894.39	350.43	217.73	83.26	-5,527.12	-14,195.07	869.50	358.31	511.19	1.701				
20,900.00	7,001.00	16,815.00	6,894.39	353.00	217.73	83.26	-5,527.12	-14,195.07	816.27	282.94	533.33	1.531				
21,000.00	7,001.00	16,815.00	6,894.39	355.58	217.73	83.26	-5,527.12	-14,195.07	772.37	220.28	552.10	1.399 Level 3				
21,100.00	7,001.00	16,815.00	6,894.39	358.16	217.73	83.26	-5,527.12	-14,195.07	739.48	174.55	564.93	1.309 Level 3				
21,121.77	7,001.00	16,815.00	6,894.39	358.72	217.73	83.26	-5,527.12	-14,195.07	733.93	167.25	566.67	1.295 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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
12,900.00	7,001.00	15,135.00	6,838.83	165.35	225.16	76.60	-5,504.61	-15,872.06	10,085.87	9,935.53	150.34	67.087		
13,000.00	7,001.00	15,135.00	6,838.83	167.14	225.16	76.60	-5,504.61	-15,872.06	9,986.05	9,835.45	150.60	66.308		
13,100.00	7,001.00	15,135.00	6,838.83	168.97	225.16	76.60	-5,504.61	-15,872.06	9,886.23	9,735.37	150.87	65.529		
13,200.00	7,001.00	15,135.00	6,838.83	170.81	225.16	76.60	-5,504.61	-15,872.06	9,786.42	9,635.28	151.14	64.751		
13,300.00	7,001.00	15,135.00	6,838.83	172.68	225.16	76.60	-5,504.61	-15,872.06	9,686.61	9,535.19	151.42	63.973		
13,400.00	7,001.00	15,135.00	6,838.83	174.58	225.16	76.60	-5,504.61	-15,872.06	9,586.80	9,435.10	151.70	63.195		
13,500.00	7,001.00	15,135.00	6,838.83	176.50	225.16	76.60	-5,504.61	-15,872.06	9,487.00	9,335.01	151.99	62.417		
13,600.00	7,001.00	15,135.00	6,838.83	178.44	225.16	76.60	-5,504.61	-15,872.06	9,387.21	9,234.91	152.29	61.639		
13,700.00	7,001.00	15,135.00	6,838.83	180.41	225.16	76.60	-5,504.61	-15,872.06	9,287.41	9,134.81	152.60	60.862		
13,800.00	7,001.00	15,135.00	6,838.83	182.39	225.16	76.60	-5,504.61	-15,872.06	9,187.62	9,034.71	152.91	60.085		
13,900.00	7,001.00	15,135.00	6,838.83	184.40	225.16	76.60	-5,504.61	-15,872.06	9,087.84	8,934.61	153.23	59.308		
14,000.00	7,001.00	15,135.00	6,838.83	186.43	225.16	76.60	-5,504.61	-15,872.06	8,988.06	8,834.50	153.56	58.532		
14,100.00	7,001.00	15,135.00	6,838.83	188.48	225.16	76.60	-5,504.61	-15,872.06	8,888.29	8,734.39	153.89	57.756		
14,200.00	7,001.00	15,135.00	6,838.83	190.54	225.16	76.60	-5,504.61	-15,872.06	8,788.52	8,634.28	154.24	56.981		
14,300.00	7,001.00	15,135.00	6,838.83	192.63	225.16	76.60	-5,504.61	-15,872.06	8,688.75	8,534.17	154.59	56.206		
14,400.00	7,001.00	15,135.00	6,838.83	194.73	225.16	76.60	-5,504.61	-15,872.06	8,589.00	8,434.05	154.95	55.431		
14,500.00	7,001.00	15,135.00	6,838.83	196.85	225.16	76.60	-5,504.61	-15,872.06	8,489.24	8,333.92	155.32	54.657		
14,600.00	7,001.00	15,135.00	6,838.83	198.99	225.16	76.60	-5,504.61	-15,872.06	8,389.50	8,233.80	155.70	53.883		
14,700.00	7,001.00	15,135.00	6,838.83	201.14	225.16	76.60	-5,504.61	-15,872.06	8,289.76	8,133.67	156.09	53.109		
14,800.00	7,001.00	15,135.00	6,838.83	203.31	225.16	76.60	-5,504.61	-15,872.06	8,190.02	8,033.53	156.49	52.336		
14,900.00	7,001.00	15,135.00	6,838.83	205.50	225.16	76.60	-5,504.61	-15,872.06	8,090.30	7,933.40	156.90	51.564		
15,000.00	7,001.00	15,135.00	6,838.83	207.70	225.16	76.60	-5,504.61	-15,872.06	7,990.57	7,833.25	157.32	50.792		
15,100.00	7,001.00	15,135.00	6,838.83	209.91	225.16	76.60	-5,504.61	-15,872.06	7,890.86	7,733.11	157.75	50.020		
15,200.00	7,001.00	15,135.00	6,838.83	212.14	225.16	76.60	-5,504.61	-15,872.06	7,791.15	7,632.96	158.20	49.249		
15,300.00	7,001.00	15,135.00	6,838.83	214.38	225.16	76.60	-5,504.61	-15,872.06	7,691.46	7,532.80	158.66	48.479		
15,400.00	7,001.00	15,135.00	6,838.83	216.64	225.16	76.60	-5,504.61	-15,872.06	7,591.76	7,432.64	159.13	47.709		
15,500.00	7,001.00	15,135.00	6,838.83	218.90	225.16	76.60	-5,504.61	-15,872.06	7,492.08	7,332.47	159.61	46.940		
15,600.00	7,001.00	15,135.00	6,838.83	221.18	225.16	76.60	-5,504.61	-15,872.06	7,392.41	7,232.30	160.11	46.172		
15,700.00	7,001.00	15,135.00	6,838.83	223.47	225.16	76.60	-5,504.61	-15,872.06	7,292.74	7,132.12	160.62	45.404		
15,800.00	7,001.00	15,135.00	6,838.83	225.78	225.16	76.60	-5,504.61	-15,872.06	7,193.09	7,031.94	161.15	44.637		
15,900.00	7,001.00	15,135.00	6,838.83	228.09	225.16	76.60	-5,504.61	-15,872.06	7,093.44	6,931.75	161.69	43.870		
16,000.00	7,001.00	15,135.00	6,838.83	230.41	225.16	76.60	-5,504.61	-15,872.06	6,993.81	6,831.55	162.25	43.105		
16,100.00	7,001.00	15,135.00	6,838.83	232.75	225.16	76.60	-5,504.61	-15,872.06	6,894.18	6,731.35	162.83	42.340		
16,200.00	7,001.00	15,135.00	6,838.83	235.09	225.16	76.60	-5,504.61	-15,872.06	6,794.57	6,631.14	163.43	41.576		
16,300.00	7,001.00	15,135.00	6,838.83	237.45	225.16	76.60	-5,504.61	-15,872.06	6,694.96	6,530.92	164.04	40.813		
16,400.00	7,001.00	15,135.00	6,838.83	239.81	225.16	76.60	-5,504.61	-15,872.06	6,595.37	6,430.70	164.68	40.051		
16,500.00	7,001.00	15,135.00	6,838.83	242.18	225.16	76.60	-5,504.61	-15,872.06	6,495.79	6,330.46	165.33	39.290		
16,600.00	7,001.00	15,135.00	6,838.83	244.56	225.16	76.60	-5,504.61	-15,872.06	6,396.23	6,230.22	166.01	38.529		
16,700.00	7,001.00	15,135.00	6,838.83	246.95	225.16	76.60	-5,504.61	-15,872.06	6,296.68	6,129.97	166.71	37.770		
16,800.00	7,001.00	15,135.00	6,838.83	249.35	225.16	76.60	-5,504.61	-15,872.06	6,197.14	6,029.71	167.44	37.012		
16,900.00	7,001.00	15,135.00	6,838.83	251.75	225.16	76.60	-5,504.61	-15,872.06	6,097.62	5,929.43	168.19	36.255		
17,000.00	7,001.00	15,135.00	6,838.83	254.17	225.16	76.60	-5,504.61	-15,872.06	5,998.11	5,829.15	168.96	35.500		
17,100.00	7,001.00	15,135.00	6,838.83	256.59	225.16	76.60	-5,504.61	-15,872.06	5,898.62	5,728.86	169.77	34.745		
17,200.00	7,001.00	15,135.00	6,838.83	259.01	225.16	76.60	-5,504.61	-15,872.06	5,799.15	5,628.55	170.60	33.992		
17,300.00	7,001.00	15,135.00	6,838.83	261.45	225.16	76.60	-5,504.61	-15,872.06	5,699.70	5,528.23	171.47	33.240		
17,400.00	7,001.00	15,135.00	6,838.83	263.89	225.16	76.60	-5,504.61	-15,872.06	5,600.27	5,427.90	172.37	32.490		
17,500.00	7,001.00	15,135.00	6,838.83	266.34	225.16	76.60	-5,504.61	-15,872.06	5,500.85	5,327.55	173.30	31.741		
17,600.00	7,001.00	15,135.00	6,838.83	268.79	225.16	76.60	-5,504.61	-15,872.06	5,401.46	5,227.19	174.27	30.994		
17,700.00	7,001.00	15,135.00	6,838.83	271.25	225.16	76.60	-5,504.61	-15,872.06	5,302.09	5,126.81	175.28	30.249		
17,800.00	7,001.00	15,135.00	6,838.83	273.72	225.16	76.60	-5,504.61	-15,872.06	5,202.75	5,026.42	176.33	29.505		
17,900.00	7,001.00	15,135.00	6,838.83	276.19	225.16	76.60	-5,504.61	-15,872.06	5,103.43	4,926.00	177.43	28.764		
18,000.00	7,001.00	15,135.00	6,838.83	278.67	225.16	76.60	-5,504.61	-15,872.06	5,004.14	4,825.57	178.57	28.024		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
18,100.00	7,001.00	15,135.00	6,838.83	281.15	225.16	76.60	-5,504.61	-15,872.06	4,904.88	4,725.12	179.76	27.286		
18,200.00	7,001.00	15,135.00	6,838.83	283.64	225.16	77.03	-5,504.61	-15,872.06	4,805.65	4,624.65	181.00	26.550		
18,300.00	7,001.00	15,135.00	6,838.83	286.15	225.16	79.73	-5,504.61	-15,872.06	4,706.74	4,524.22	182.52	25.787		
18,400.00	7,001.00	15,135.00	6,838.83	288.68	225.16	81.47	-5,504.61	-15,872.06	4,608.47	4,423.99	184.48	24.980		
18,500.00	7,001.00	15,135.00	6,838.83	291.24	225.16	81.97	-5,504.61	-15,872.06	4,510.83	4,323.99	186.84	24.143		
18,600.00	7,001.00	15,135.00	6,838.83	293.80	225.16	81.97	-5,504.61	-15,872.06	4,413.36	4,224.02	189.34	23.309		
18,700.00	7,001.00	15,135.00	6,838.83	296.36	225.16	81.97	-5,504.61	-15,872.06	4,316.00	4,124.03	191.96	22.483		
18,800.00	7,001.00	15,135.00	6,838.83	298.93	225.16	81.97	-5,504.61	-15,872.06	4,218.76	4,024.04	194.72	21.666		
18,900.00	7,001.00	15,135.00	6,838.83	301.50	225.16	81.97	-5,504.61	-15,872.06	4,121.65	3,924.03	197.62	20.856		
19,000.00	7,001.00	15,135.00	6,838.83	304.07	225.16	81.97	-5,504.61	-15,872.06	4,024.69	3,824.01	200.67	20.056		
19,100.00	7,001.00	15,135.00	6,838.83	306.65	225.16	81.97	-5,504.61	-15,872.06	3,927.87	3,723.99	203.89	19.265		
19,200.00	7,001.00	15,135.00	6,838.83	309.23	225.16	81.97	-5,504.61	-15,872.06	3,831.22	3,623.95	207.27	18.484		
19,300.00	7,001.00	15,135.00	6,838.83	311.81	225.16	81.97	-5,504.61	-15,872.06	3,734.75	3,523.90	210.85	17.713		
19,400.00	7,001.00	15,135.00	6,838.83	314.39	225.16	81.97	-5,504.61	-15,872.06	3,638.47	3,423.84	214.63	16.953		
19,500.00	7,001.00	15,135.00	6,838.83	316.97	225.16	81.97	-5,504.61	-15,872.06	3,542.39	3,323.78	218.62	16.204		
19,600.00	7,001.00	15,135.00	6,838.83	319.56	225.16	81.97	-5,504.61	-15,872.06	3,446.54	3,223.70	222.84	15.466		
19,700.00	7,001.00	15,135.00	6,838.83	322.15	225.16	81.97	-5,504.61	-15,872.06	3,350.93	3,123.62	227.32	14.741		
19,800.00	7,001.00	15,135.00	6,838.83	324.74	225.16	81.97	-5,504.61	-15,872.06	3,255.59	3,023.52	232.06	14.029		
19,900.00	7,001.00	15,135.00	6,838.83	327.33	225.16	81.72	-5,504.61	-15,872.06	3,160.48	2,923.41	237.08	13.331		
20,000.00	7,001.00	15,135.00	6,838.83	329.92	225.16	80.73	-5,504.61	-15,872.06	3,064.90	2,822.92	241.99	12.666		
20,100.00	7,001.00	15,135.00	6,838.83	332.49	225.16	79.50	-5,504.61	-15,872.06	2,968.61	2,721.98	246.63	12.037		
20,200.00	7,001.00	15,135.00	6,838.83	335.04	225.16	79.11	-5,504.61	-15,872.06	2,871.88	2,620.76	251.12	11.436		
20,300.00	7,001.00	15,135.00	6,838.83	337.60	225.16	79.11	-5,504.61	-15,872.06	2,775.35	2,519.44	255.90	10.845		
20,400.00	7,001.00	15,135.00	6,838.83	340.16	225.16	79.11	-5,504.61	-15,872.06	2,679.07	2,418.04	261.03	10.264		
20,500.00	7,001.00	15,135.00	6,838.83	342.72	225.16	79.11	-5,504.61	-15,872.06	2,583.07	2,316.55	266.52	9.692		
20,600.00	7,001.00	15,135.00	6,838.83	345.29	225.16	79.11	-5,504.61	-15,872.06	2,487.39	2,214.96	272.43	9.130		
20,700.00	7,001.00	15,135.00	6,838.83	347.86	225.16	79.11	-5,504.61	-15,872.06	2,392.06	2,113.27	278.80	8.580		
20,800.00	7,001.00	15,135.00	6,838.83	350.43	225.16	79.11	-5,504.61	-15,872.06	2,297.13	2,011.46	285.67	8.041		
20,900.00	7,001.00	15,135.00	6,838.83	353.00	225.16	79.11	-5,504.61	-15,872.06	2,202.65	1,909.55	293.10	7.515		
21,000.00	7,001.00	15,135.00	6,838.83	355.58	225.16	79.11	-5,504.61	-15,872.06	2,108.68	1,807.51	301.17	7.002		
21,100.00	7,001.00	15,135.00	6,838.83	358.16	225.16	79.11	-5,504.61	-15,872.06	2,015.29	1,705.36	309.93	6.502		
21,121.77	7,001.00	15,135.00	6,838.83	358.72	225.16	79.11	-5,504.61	-15,872.06	1,995.04	1,683.10	311.94	6.396	CC, ES, SF	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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: 1757-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		
11,200.00	7,001.00	17,130.00	7,210.02	139.38	271.45	117.76	-5,650.28	-14,176.95	10,084.98	9,937.69	147.29	68.471		
11,300.00	7,001.00	17,130.00	7,210.02	140.65	271.45	117.76	-5,650.28	-14,176.95	9,985.10	9,837.64	147.47	67.712		
11,400.00	7,001.00	17,130.00	7,210.02	141.95	271.45	117.76	-5,650.28	-14,176.95	9,885.23	9,737.58	147.65	66.952		
11,500.00	7,001.00	17,130.00	7,210.02	143.29	271.45	117.76	-5,650.28	-14,176.95	9,785.36	9,637.52	147.83	66.192		
11,600.00	7,001.00	17,130.00	7,210.02	144.66	271.45	117.76	-5,650.28	-14,176.95	9,685.49	9,537.46	148.02	65.432		
11,700.00	7,001.00	17,130.00	7,210.02	146.06	271.45	117.76	-5,650.28	-14,176.95	9,585.62	9,437.40	148.22	64.672		
11,800.00	7,001.00	17,130.00	7,210.02	147.50	271.45	117.76	-5,650.28	-14,176.95	9,485.76	9,337.34	148.42	63.912		
11,900.00	7,001.00	17,130.00	7,210.02	148.97	271.45	117.76	-5,650.28	-14,176.95	9,385.90	9,237.28	148.62	63.153		
12,000.00	7,001.00	17,130.00	7,210.02	150.47	271.45	117.76	-5,650.28	-14,176.95	9,286.04	9,137.21	148.83	62.393		
12,100.00	7,001.00	17,130.00	7,210.02	152.00	271.45	117.76	-5,650.28	-14,176.95	9,186.19	9,037.14	149.05	61.633		
12,200.00	7,001.00	17,130.00	7,210.02	153.57	271.45	117.76	-5,650.28	-14,176.95	9,086.33	8,937.07	149.27	60.874		
12,300.00	7,001.00	17,130.00	7,210.02	155.16	271.45	117.76	-5,650.28	-14,176.95	8,986.49	8,837.00	149.49	60.114		
12,400.00	7,001.00	17,130.00	7,210.02	156.79	271.45	117.76	-5,650.28	-14,176.95	8,886.64	8,736.92	149.72	59.355		
12,500.00	7,001.00	17,130.00	7,210.02	158.44	271.45	117.76	-5,650.28	-14,176.95	8,786.80	8,636.84	149.96	58.595		
12,600.00	7,001.00	17,130.00	7,210.02	160.13	271.45	117.76	-5,650.28	-14,176.95	8,686.96	8,536.76	150.20	57.836		
12,700.00	7,001.00	17,130.00	7,210.02	161.84	271.45	117.76	-5,650.28	-14,176.95	8,587.13	8,436.68	150.45	57.077		
12,800.00	7,001.00	17,130.00	7,210.02	163.58	271.45	117.76	-5,650.28	-14,176.95	8,487.30	8,336.60	150.70	56.317		
12,900.00	7,001.00	17,130.00	7,210.02	165.35	271.45	117.76	-5,650.28	-14,176.95	8,387.47	8,236.51	150.97	55.558		
13,000.00	7,001.00	17,130.00	7,210.02	167.14	271.45	117.76	-5,650.28	-14,176.95	8,287.65	8,136.42	151.24	54.799		
13,100.00	7,001.00	17,130.00	7,210.02	168.97	271.45	117.76	-5,650.28	-14,176.95	8,187.84	8,036.32	151.51	54.040		
13,200.00	7,001.00	17,130.00	7,210.02	170.81	271.45	117.76	-5,650.28	-14,176.95	8,088.02	7,936.23	151.80	53.282		
13,300.00	7,001.00	17,130.00	7,210.02	172.68	271.45	117.76	-5,650.28	-14,176.95	7,988.22	7,836.13	152.09	52.523		
13,400.00	7,001.00	17,130.00	7,210.02	174.58	271.45	117.76	-5,650.28	-14,176.95	7,888.41	7,736.02	152.39	51.765		
13,500.00	7,001.00	17,130.00	7,210.02	176.50	271.45	117.76	-5,650.28	-14,176.95	7,788.62	7,635.92	152.70	51.006		
13,600.00	7,001.00	17,130.00	7,210.02	178.44	271.45	117.76	-5,650.28	-14,176.95	7,688.82	7,535.81	153.02	50.248		
13,700.00	7,001.00	17,130.00	7,210.02	180.41	271.45	117.76	-5,650.28	-14,176.95	7,589.04	7,435.69	153.34	49.490		
13,800.00	7,001.00	17,130.00	7,210.02	182.39	271.45	117.76	-5,650.28	-14,176.95	7,489.25	7,335.57	153.68	48.733		
13,900.00	7,001.00	17,130.00	7,210.02	184.40	271.45	117.76	-5,650.28	-14,176.95	7,389.48	7,235.45	154.03	47.975		
14,000.00	7,001.00	17,130.00	7,210.02	186.43	271.45	117.76	-5,650.28	-14,176.95	7,289.71	7,135.32	154.39	47.218		
14,100.00	7,001.00	17,130.00	7,210.02	188.48	271.45	117.76	-5,650.28	-14,176.95	7,189.95	7,035.19	154.75	46.461		
14,200.00	7,001.00	17,130.00	7,210.02	190.54	271.45	117.76	-5,650.28	-14,176.95	7,090.19	6,935.06	155.13	45.704		
14,300.00	7,001.00	17,130.00	7,210.02	192.63	271.45	117.76	-5,650.28	-14,176.95	6,990.44	6,834.92	155.53	44.947		
14,400.00	7,001.00	17,130.00	7,210.02	194.73	271.45	117.76	-5,650.28	-14,176.95	6,890.70	6,734.77	155.93	44.191		
14,500.00	7,001.00	17,130.00	7,210.02	196.85	271.45	117.76	-5,650.28	-14,176.95	6,790.96	6,634.62	156.35	43.435		
14,600.00	7,001.00	17,130.00	7,210.02	198.99	271.45	117.76	-5,650.28	-14,176.95	6,691.24	6,534.46	156.78	42.679		
14,700.00	7,001.00	17,130.00	7,210.02	201.14	271.45	117.76	-5,650.28	-14,176.95	6,591.52	6,434.29	157.22	41.924		
14,800.00	7,001.00	17,130.00	7,210.02	203.31	271.45	117.76	-5,650.28	-14,176.95	6,491.81	6,334.12	157.69	41.169		
14,900.00	7,001.00	17,130.00	7,210.02	205.50	271.45	117.76	-5,650.28	-14,176.95	6,392.11	6,233.95	158.16	40.415		
15,000.00	7,001.00	17,130.00	7,210.02	207.70	271.45	117.76	-5,650.28	-14,176.95	6,292.42	6,133.76	158.66	39.661		
15,100.00	7,001.00	17,130.00	7,210.02	209.91	271.45	117.76	-5,650.28	-14,176.95	6,192.74	6,033.57	159.17	38.907		
15,200.00	7,001.00	17,130.00	7,210.02	212.14	271.45	117.76	-5,650.28	-14,176.95	6,093.07	5,933.37	159.70	38.154		
15,300.00	7,001.00	17,130.00	7,210.02	214.38	271.45	117.76	-5,650.28	-14,176.95	5,993.41	5,833.16	160.25	37.401		
15,400.00	7,001.00	17,130.00	7,210.02	216.64	271.45	117.76	-5,650.28	-14,176.95	5,893.76	5,732.94	160.82	36.649		
15,500.00	7,001.00	17,130.00	7,210.02	218.90	271.45	117.76	-5,650.28	-14,176.95	5,794.12	5,632.71	161.41	35.897		
15,600.00	7,001.00	17,130.00	7,210.02	221.18	271.45	117.76	-5,650.28	-14,176.95	5,694.50	5,532.48	162.02	35.146		
15,700.00	7,001.00	17,130.00	7,210.02	223.47	271.45	117.76	-5,650.28	-14,176.95	5,594.89	5,432.23	162.66	34.396		
15,800.00	7,001.00	17,130.00	7,210.02	225.78	271.45	117.76	-5,650.28	-14,176.95	5,495.29	5,331.97	163.32	33.647		
15,900.00	7,001.00	17,130.00	7,210.02	228.09	271.45	117.76	-5,650.28	-14,176.95	5,395.71	5,231.70	164.02	32.898		
16,000.00	7,001.00	17,130.00	7,210.02	230.41	271.45	117.76	-5,650.28	-14,176.95	5,296.15	5,131.41	164.73	32.150		
16,100.00	7,001.00	17,130.00	7,210.02	232.75	271.45	117.76	-5,650.28	-14,176.95	5,196.60	5,031.11	165.48	31.402		
16,200.00	7,001.00	17,130.00	7,210.02	235.09	271.45	117.76	-5,650.28	-14,176.95	5,097.07	4,930.80	166.27	30.656		
16,300.00	7,001.00	17,130.00	7,210.02	237.45	271.45	117.76	-5,650.28	-14,176.95	4,997.56	4,830.47	167.08	29.911		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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: 1757-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		
16,400.00	7,001.00	17,130.00	7,210.02	239.81	271.45	117.76	-5,650.28	-14,176.95	4,898.06	4,730.13	167.93	29.166		
16,500.00	7,001.00	17,130.00	7,210.02	242.18	271.45	117.76	-5,650.28	-14,176.95	4,798.59	4,629.77	168.83	28.423		
16,600.00	7,001.00	17,130.00	7,210.02	244.56	271.45	117.76	-5,650.28	-14,176.95	4,699.15	4,529.39	169.76	27.681		
16,700.00	7,001.00	17,130.00	7,210.02	246.95	271.45	117.76	-5,650.28	-14,176.95	4,599.72	4,428.99	170.74	26.941		
16,800.00	7,001.00	17,130.00	7,210.02	249.35	271.45	117.76	-5,650.28	-14,176.95	4,500.32	4,328.56	171.76	26.201		
16,900.00	7,001.00	17,130.00	7,210.02	251.75	271.45	117.76	-5,650.28	-14,176.95	4,400.95	4,228.12	172.83	25.464		
17,000.00	7,001.00	17,130.00	7,210.02	254.17	271.45	117.76	-5,650.28	-14,176.95	4,301.61	4,127.65	173.96	24.727		
17,100.00	7,001.00	17,130.00	7,210.02	256.59	271.45	117.76	-5,650.28	-14,176.95	4,202.30	4,027.15	175.15	23.993		
17,200.00	7,001.00	17,130.00	7,210.02	259.01	271.45	117.76	-5,650.28	-14,176.95	4,103.02	3,926.62	176.40	23.260		
17,300.00	7,001.00	17,130.00	7,210.02	261.45	271.45	117.76	-5,650.28	-14,176.95	4,003.78	3,826.06	177.71	22.529		
17,400.00	7,001.00	17,130.00	7,210.02	263.89	271.45	117.76	-5,650.28	-14,176.95	3,904.57	3,725.47	179.10	21.801		
17,500.00	7,001.00	17,130.00	7,210.02	266.34	271.45	117.76	-5,650.28	-14,176.95	3,805.41	3,624.84	180.57	21.074		
17,600.00	7,001.00	17,130.00	7,210.02	268.79	271.45	117.76	-5,650.28	-14,176.95	3,706.30	3,524.17	182.12	20.351		
17,700.00	7,001.00	17,130.00	7,210.02	271.25	271.45	117.76	-5,650.28	-14,176.95	3,607.23	3,423.46	183.77	19.630		
17,800.00	7,001.00	17,130.00	7,210.02	273.72	271.45	117.76	-5,650.28	-14,176.95	3,508.21	3,322.70	185.51	18.911		
17,900.00	7,001.00	17,130.00	7,210.02	276.19	271.45	117.76	-5,650.28	-14,176.95	3,409.26	3,221.89	187.36	18.196		
18,000.00	7,001.00	17,130.00	7,210.02	278.67	271.45	117.76	-5,650.28	-14,176.95	3,310.36	3,121.03	189.33	17.484		
18,100.00	7,001.00	17,130.00	7,210.02	281.15	271.45	117.76	-5,650.28	-14,176.95	3,211.53	3,020.10	191.43	16.776		
18,200.00	7,001.00	17,130.00	7,210.02	283.64	271.45	117.09	-5,650.28	-14,176.95	3,112.79	2,919.11	193.68	16.072		
18,300.00	7,001.00	17,130.00	7,210.02	286.15	271.45	112.55	-5,650.28	-14,176.95	3,014.46	2,818.02	196.44	15.345		
18,400.00	7,001.00	17,130.00	7,210.02	288.68	271.45	109.38	-5,650.28	-14,176.95	2,916.92	2,716.91	200.02	14.584		
18,500.00	7,001.00	17,130.00	7,210.02	291.24	271.45	108.43	-5,650.28	-14,176.95	2,820.19	2,615.84	204.36	13.800		
18,600.00	7,001.00	17,130.00	7,210.02	293.80	271.45	108.43	-5,650.28	-14,176.95	2,723.76	2,514.69	209.07	13.028		
18,700.00	7,001.00	17,130.00	7,210.02	296.36	271.45	108.43	-5,650.28	-14,176.95	2,627.60	2,413.44	214.16	12.269		
18,800.00	7,001.00	17,130.00	7,210.02	298.93	271.45	108.43	-5,650.28	-14,176.95	2,531.73	2,312.08	219.65	11.526		
18,900.00	7,001.00	17,130.00	7,210.02	301.50	271.45	108.43	-5,650.28	-14,176.95	2,436.19	2,210.60	225.59	10.799		
19,000.00	7,001.00	17,130.00	7,210.02	304.07	271.45	108.43	-5,650.28	-14,176.95	2,341.03	2,109.00	232.03	10.089		
19,100.00	7,001.00	17,130.00	7,210.02	306.65	271.45	108.43	-5,650.28	-14,176.95	2,246.29	2,007.26	239.02	9.398		
19,200.00	7,001.00	17,130.00	7,210.02	309.23	271.45	108.43	-5,650.28	-14,176.95	2,152.02	1,905.38	246.64	8.725		
19,300.00	7,001.00	17,130.00	7,210.02	311.81	271.45	108.43	-5,650.28	-14,176.95	2,058.29	1,803.35	254.94	8.074		
19,400.00	7,001.00	17,130.00	7,210.02	314.39	271.45	108.43	-5,650.28	-14,176.95	1,965.19	1,701.16	264.03	7.443		
19,500.00	7,001.00	17,130.00	7,210.02	316.97	271.45	108.43	-5,650.28	-14,176.95	1,872.79	1,598.81	273.98	6.836		
19,600.00	7,001.00	17,130.00	7,210.02	319.56	271.45	108.43	-5,650.28	-14,176.95	1,781.22	1,496.31	284.91	6.252		
19,700.00	7,001.00	17,130.00	7,210.02	322.15	271.45	108.43	-5,650.28	-14,176.95	1,690.60	1,393.66	296.94	5.693		
19,800.00	7,001.00	17,130.00	7,210.02	324.74	271.45	108.43	-5,650.28	-14,176.95	1,601.09	1,290.89	310.21	5.161		
19,900.00	7,001.00	17,130.00	7,210.02	327.33	271.45	108.76	-5,650.28	-14,176.95	1,512.84	1,188.02	324.82	4.657		
20,000.00	7,001.00	17,130.00	7,210.02	329.92	271.45	109.99	-5,650.28	-14,176.95	1,424.92	1,084.75	340.18	4.189		
20,100.00	7,001.00	17,130.00	7,210.02	332.49	271.45	111.29	-5,650.28	-14,176.95	1,337.03	980.96	356.07	3.755		
20,200.00	7,001.00	17,130.00	7,210.02	335.04	271.45	111.66	-5,650.28	-14,176.95	1,249.72	876.82	372.89	3.351		
20,300.00	7,001.00	17,130.00	7,210.02	337.60	271.45	111.66	-5,650.28	-14,176.95	1,164.38	772.75	391.63	2.973		
20,400.00	7,001.00	17,130.00	7,210.02	340.16	271.45	111.66	-5,650.28	-14,176.95	1,081.55	669.05	412.51	2.622		
20,500.00	7,001.00	17,130.00	7,210.02	342.72	271.45	111.66	-5,650.28	-14,176.95	1,001.87	566.23	435.64	2.300		
20,600.00	7,001.00	17,130.00	7,210.02	345.29	271.45	111.66	-5,650.28	-14,176.95	926.13	465.14	460.99	2.009		
20,700.00	7,001.00	17,130.00	7,210.02	347.86	271.45	111.66	-5,650.28	-14,176.95	855.40	367.19	488.21	1.752		
20,800.00	7,001.00	17,130.00	7,210.02	350.43	271.45	111.66	-5,650.28	-14,176.95	791.00	274.57	516.43	1.532		
20,900.00	7,001.00	17,130.00	7,210.02	353.00	271.45	111.66	-5,650.28	-14,176.95	734.62	190.64	543.98	1.350	Level 3	
21,000.00	7,001.00	17,130.00	7,210.02	355.58	271.45	111.66	-5,650.28	-14,176.95	688.22	120.10	568.12	1.211	Level 2	
21,100.00	7,001.00	17,130.00	7,210.02	358.16	271.45	111.66	-5,650.28	-14,176.95	653.94	68.80	585.14	1.118	Level 2	
21,121.77	7,001.00	17,130.00	7,210.02	358.72	271.45	111.66	-5,650.28	-14,176.95	648.28	60.78	587.50	1.103	Level 2, CC, ES, SF	

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
11,200.00	7,001.00	16,905.00	6,998.53	139.38	271.34	94.65	-5,838.46	-14,178.90	10,077.55	9,934.69	142.86	70.542		
11,300.00	7,001.00	16,905.00	6,998.53	140.65	271.34	94.65	-5,838.46	-14,178.90	9,977.59	9,834.63	142.95	69.795		
11,400.00	7,001.00	16,905.00	6,998.53	141.95	271.34	94.65	-5,838.46	-14,178.90	9,877.62	9,734.57	143.05	69.049		
11,500.00	7,001.00	16,905.00	6,998.53	143.29	271.34	94.65	-5,838.46	-14,178.90	9,777.65	9,634.50	143.15	68.302		
11,600.00	7,001.00	16,905.00	6,998.53	144.66	271.34	94.65	-5,838.46	-14,178.90	9,677.69	9,534.43	143.25	67.556		
11,700.00	7,001.00	16,905.00	6,998.53	146.06	271.34	94.65	-5,838.46	-14,178.90	9,577.72	9,434.36	143.36	66.809		
11,800.00	7,001.00	16,905.00	6,998.53	147.50	271.34	94.65	-5,838.46	-14,178.90	9,477.76	9,334.29	143.47	66.063		
11,900.00	7,001.00	16,905.00	6,998.53	148.97	271.34	94.65	-5,838.46	-14,178.90	9,377.79	9,234.22	143.58	65.316		
12,000.00	7,001.00	16,905.00	6,998.53	150.47	271.34	94.65	-5,838.46	-14,178.90	9,277.83	9,134.14	143.69	64.569		
12,100.00	7,001.00	16,905.00	6,998.53	152.00	271.34	94.65	-5,838.46	-14,178.90	9,177.87	9,034.06	143.80	63.823		
12,200.00	7,001.00	16,905.00	6,998.53	153.57	271.34	94.65	-5,838.46	-14,178.90	9,077.91	8,933.99	143.92	63.076		
12,300.00	7,001.00	16,905.00	6,998.53	155.16	271.34	94.65	-5,838.46	-14,178.90	8,977.94	8,833.90	144.04	62.329		
12,400.00	7,001.00	16,905.00	6,998.53	156.79	271.34	94.65	-5,838.46	-14,178.90	8,877.98	8,733.82	144.16	61.583		
12,500.00	7,001.00	16,905.00	6,998.53	158.44	271.34	94.65	-5,838.46	-14,178.90	8,778.03	8,633.74	144.29	60.836		
12,600.00	7,001.00	16,905.00	6,998.53	160.13	271.34	94.65	-5,838.46	-14,178.90	8,678.07	8,533.65	144.42	60.089		
12,700.00	7,001.00	16,905.00	6,998.53	161.84	271.34	94.65	-5,838.46	-14,178.90	8,578.11	8,433.56	144.55	59.343		
12,800.00	7,001.00	16,905.00	6,998.53	163.58	271.34	94.65	-5,838.46	-14,178.90	8,478.16	8,333.47	144.69	58.596		
12,900.00	7,001.00	16,905.00	6,998.53	165.35	271.34	94.65	-5,838.46	-14,178.90	8,378.20	8,233.37	144.83	57.850		
13,000.00	7,001.00	16,905.00	6,998.53	167.14	271.34	94.65	-5,838.46	-14,178.90	8,278.25	8,133.28	144.97	57.103		
13,100.00	7,001.00	16,905.00	6,998.53	168.97	271.34	94.65	-5,838.46	-14,178.90	8,178.29	8,033.18	145.12	56.356		
13,200.00	7,001.00	16,905.00	6,998.53	170.81	271.34	94.65	-5,838.46	-14,178.90	8,078.34	7,933.07	145.27	55.610		
13,300.00	7,001.00	16,905.00	6,998.53	172.68	271.34	94.65	-5,838.46	-14,178.90	7,978.39	7,832.97	145.42	54.863		
13,400.00	7,001.00	16,905.00	6,998.53	174.58	271.34	94.65	-5,838.46	-14,178.90	7,878.44	7,732.86	145.58	54.117		
13,500.00	7,001.00	16,905.00	6,998.53	176.50	271.34	94.65	-5,838.46	-14,178.90	7,778.50	7,632.75	145.75	53.370		
13,600.00	7,001.00	16,905.00	6,998.53	178.44	271.34	94.65	-5,838.46	-14,178.90	7,678.55	7,532.64	145.91	52.624		
13,700.00	7,001.00	16,905.00	6,998.53	180.41	271.34	94.65	-5,838.46	-14,178.90	7,578.61	7,432.52	146.09	51.877		
13,800.00	7,001.00	16,905.00	6,998.53	182.39	271.34	94.65	-5,838.46	-14,178.90	7,478.66	7,332.40	146.26	51.131		
13,900.00	7,001.00	16,905.00	6,998.53	184.40	271.34	94.65	-5,838.46	-14,178.90	7,378.72	7,232.27	146.45	50.385		
14,000.00	7,001.00	16,905.00	6,998.53	186.43	271.34	94.65	-5,838.46	-14,178.90	7,278.78	7,132.14	146.64	49.638		
14,100.00	7,001.00	16,905.00	6,998.53	188.48	271.34	94.65	-5,838.46	-14,178.90	7,178.84	7,032.01	146.83	48.892		
14,200.00	7,001.00	16,905.00	6,998.53	190.54	271.34	94.65	-5,838.46	-14,178.90	7,078.90	6,931.87	147.03	48.146		
14,300.00	7,001.00	16,905.00	6,998.53	192.63	271.34	94.65	-5,838.46	-14,178.90	6,978.97	6,831.73	147.24	47.400		
14,400.00	7,001.00	16,905.00	6,998.53	194.73	271.34	94.65	-5,838.46	-14,178.90	6,879.04	6,731.59	147.45	46.654		
14,500.00	7,001.00	16,905.00	6,998.53	196.85	271.34	94.65	-5,838.46	-14,178.90	6,779.11	6,631.44	147.67	45.908		
14,600.00	7,001.00	16,905.00	6,998.53	198.99	271.34	94.65	-5,838.46	-14,178.90	6,679.18	6,531.28	147.90	45.162		
14,700.00	7,001.00	16,905.00	6,998.53	201.14	271.34	94.65	-5,838.46	-14,178.90	6,579.25	6,431.12	148.13	44.416		
14,800.00	7,001.00	16,905.00	6,998.53	203.31	271.34	94.65	-5,838.46	-14,178.90	6,479.32	6,330.95	148.37	43.670		
14,900.00	7,001.00	16,905.00	6,998.53	205.50	271.34	94.65	-5,838.46	-14,178.90	6,379.40	6,230.78	148.62	42.924		
15,000.00	7,001.00	16,905.00	6,998.53	207.70	271.34	94.65	-5,838.46	-14,178.90	6,279.48	6,130.60	148.88	42.179		
15,100.00	7,001.00	16,905.00	6,998.53	209.91	271.34	94.65	-5,838.46	-14,178.90	6,179.57	6,030.42	149.15	41.433		
15,200.00	7,001.00	16,905.00	6,998.53	212.14	271.34	94.65	-5,838.46	-14,178.90	6,079.65	5,930.23	149.42	40.687		
15,300.00	7,001.00	16,905.00	6,998.53	214.38	271.34	94.65	-5,838.46	-14,178.90	5,979.74	5,830.03	149.71	39.942		
15,400.00	7,001.00	16,905.00	6,998.53	216.64	271.34	94.65	-5,838.46	-14,178.90	5,879.83	5,729.82	150.01	39.197		
15,500.00	7,001.00	16,905.00	6,998.53	218.90	271.34	94.65	-5,838.46	-14,178.90	5,779.93	5,629.61	150.32	38.452		
15,600.00	7,001.00	16,905.00	6,998.53	221.18	271.34	94.65	-5,838.46	-14,178.90	5,680.02	5,529.39	150.64	37.707		
15,700.00	7,001.00	16,905.00	6,998.53	223.47	271.34	94.65	-5,838.46	-14,178.90	5,580.12	5,429.15	150.97	36.962		
15,800.00	7,001.00	16,905.00	6,998.53	225.78	271.34	94.65	-5,838.46	-14,178.90	5,480.23	5,328.91	151.32	36.217		
15,900.00	7,001.00	16,905.00	6,998.53	228.09	271.34	94.65	-5,838.46	-14,178.90	5,380.34	5,228.66	151.68	35.472		
16,000.00	7,001.00	16,905.00	6,998.53	230.41	271.34	94.65	-5,838.46	-14,178.90	5,280.45	5,128.40	152.05	34.728		
16,100.00	7,001.00	16,905.00	6,998.53	232.75	271.34	94.65	-5,838.46	-14,178.90	5,180.57	5,028.13	152.44	33.984		
16,200.00	7,001.00	16,905.00	6,998.53	235.09	271.34	94.65	-5,838.46	-14,178.90	5,080.69	4,927.84	152.85	33.240		
16,300.00	7,001.00	16,905.00	6,998.53	237.45	271.34	94.65	-5,838.46	-14,178.90	4,980.82	4,827.54	153.28	32.496		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
16,400.00	7,001.00	16,905.00	6,998.53	239.81	271.34	94.65	-5,838.46	-14,178.90	4,880.95	4,727.23	153.72	31.752		
16,500.00	7,001.00	16,905.00	6,998.53	242.18	271.34	94.65	-5,838.46	-14,178.90	4,781.09	4,626.90	154.19	31.009		
16,600.00	7,001.00	16,905.00	6,998.53	244.56	271.34	94.65	-5,838.46	-14,178.90	4,681.23	4,526.56	154.67	30.265		
16,700.00	7,001.00	16,905.00	6,998.53	246.95	271.34	94.65	-5,838.46	-14,178.90	4,581.38	4,426.20	155.18	29.522		
16,800.00	7,001.00	16,905.00	6,998.53	249.35	271.34	94.65	-5,838.46	-14,178.90	4,481.54	4,325.82	155.72	28.780		
16,900.00	7,001.00	16,905.00	6,998.53	251.75	271.34	94.65	-5,838.46	-14,178.90	4,381.70	4,225.42	156.28	28.037		
17,000.00	7,001.00	16,905.00	6,998.53	254.17	271.34	94.65	-5,838.46	-14,178.90	4,281.87	4,125.00	156.87	27.295		
17,100.00	7,001.00	16,905.00	6,998.53	256.59	271.34	94.65	-5,838.46	-14,178.90	4,182.05	4,024.56	157.49	26.554		
17,200.00	7,001.00	16,905.00	6,998.53	259.01	271.34	94.65	-5,838.46	-14,178.90	4,082.24	3,924.09	158.15	25.813		
17,300.00	7,001.00	16,905.00	6,998.53	261.45	271.34	94.65	-5,838.46	-14,178.90	3,982.44	3,823.60	158.84	25.072		
17,400.00	7,001.00	16,905.00	6,998.53	263.89	271.34	94.65	-5,838.46	-14,178.90	3,882.65	3,723.07	159.57	24.332		
17,500.00	7,001.00	16,905.00	6,998.53	266.34	271.34	94.65	-5,838.46	-14,178.90	3,782.87	3,622.52	160.35	23.592		
17,600.00	7,001.00	16,905.00	6,998.53	268.79	271.34	94.65	-5,838.46	-14,178.90	3,683.10	3,521.93	161.17	22.853		
17,700.00	7,001.00	16,905.00	6,998.53	271.25	271.34	94.65	-5,838.46	-14,178.90	3,583.34	3,421.30	162.04	22.114		
17,800.00	7,001.00	16,905.00	6,998.53	273.72	271.34	94.65	-5,838.46	-14,178.90	3,483.60	3,320.63	162.96	21.377		
17,900.00	7,001.00	16,905.00	6,998.53	276.19	271.34	94.65	-5,838.46	-14,178.90	3,383.87	3,219.92	163.95	20.640		
18,000.00	7,001.00	16,905.00	6,998.53	278.67	271.34	94.65	-5,838.46	-14,178.90	3,284.16	3,119.16	165.00	19.904		
18,100.00	7,001.00	16,905.00	6,998.53	281.15	271.34	94.65	-5,838.46	-14,178.90	3,184.47	3,018.34	166.13	19.169		
18,200.00	7,001.00	16,905.00	6,998.53	283.64	271.34	94.42	-5,838.46	-14,178.90	3,084.80	2,917.46	167.33	18.435		
18,300.00	7,001.00	16,905.00	6,998.53	286.15	271.34	93.17	-5,838.46	-14,178.90	2,985.36	2,816.39	168.97	17.668		
18,400.00	7,001.00	16,905.00	6,998.53	288.68	271.34	92.49	-5,838.46	-14,178.90	2,886.41	2,715.11	171.30	16.850		
18,500.00	7,001.00	16,905.00	6,998.53	291.24	271.34	92.31	-5,838.46	-14,178.90	2,787.99	2,613.69	174.30	15.996		
18,600.00	7,001.00	16,905.00	6,998.53	293.80	271.34	92.31	-5,838.46	-14,178.90	2,689.73	2,512.13	177.60	15.145		
18,700.00	7,001.00	16,905.00	6,998.53	296.36	271.34	92.31	-5,838.46	-14,178.90	2,591.61	2,410.41	181.20	14.303		
18,800.00	7,001.00	16,905.00	6,998.53	298.93	271.34	92.31	-5,838.46	-14,178.90	2,493.64	2,308.51	185.13	13.470		
18,900.00	7,001.00	16,905.00	6,998.53	301.50	271.34	92.31	-5,838.46	-14,178.90	2,395.83	2,206.41	189.42	12.648		
19,000.00	7,001.00	16,905.00	6,998.53	304.07	271.34	92.31	-5,838.46	-14,178.90	2,298.21	2,104.09	194.13	11.839		
19,100.00	7,001.00	16,905.00	6,998.53	306.65	271.34	92.31	-5,838.46	-14,178.90	2,200.81	2,001.52	199.29	11.043		
19,200.00	7,001.00	16,905.00	6,998.53	309.23	271.34	92.31	-5,838.46	-14,178.90	2,103.65	1,898.66	204.99	10.262		
19,300.00	7,001.00	16,905.00	6,998.53	311.81	271.34	92.31	-5,838.46	-14,178.90	2,006.77	1,795.50	211.27	9.498		
19,400.00	7,001.00	16,905.00	6,998.53	314.39	271.34	92.31	-5,838.46	-14,178.90	1,910.21	1,691.97	218.24	8.753		
19,500.00	7,001.00	16,905.00	6,998.53	316.97	271.34	92.31	-5,838.46	-14,178.90	1,814.02	1,588.04	225.98	8.027		
19,600.00	7,001.00	16,905.00	6,998.53	319.56	271.34	92.31	-5,838.46	-14,178.90	1,718.27	1,483.65	234.62	7.324		
19,700.00	7,001.00	16,905.00	6,998.53	322.15	271.34	92.31	-5,838.46	-14,178.90	1,623.04	1,378.73	244.30	6.644		
19,800.00	7,001.00	16,905.00	6,998.53	324.74	271.34	92.31	-5,838.46	-14,178.90	1,528.41	1,273.22	255.19	5.989		
19,900.00	7,001.00	16,905.00	6,998.53	327.33	271.34	92.37	-5,838.46	-14,178.90	1,434.46	1,167.01	267.44	5.364		
20,000.00	7,001.00	16,905.00	6,998.53	329.92	271.34	92.61	-5,838.46	-14,178.90	1,340.44	1,060.03	280.41	4.780		
20,100.00	7,001.00	16,905.00	6,998.53	332.49	271.34	92.89	-5,838.46	-14,178.90	1,246.10	952.24	293.86	4.240		
20,200.00	7,001.00	16,905.00	6,998.53	335.04	271.34	92.97	-5,838.46	-14,178.90	1,151.78	843.48	308.30	3.736		
20,300.00	7,001.00	16,905.00	6,998.53	337.60	271.34	92.97	-5,838.46	-14,178.90	1,058.46	733.41	325.04	3.256		
20,400.00	7,001.00	16,905.00	6,998.53	340.16	271.34	92.97	-5,838.46	-14,178.90	966.47	621.77	344.70	2.804		
20,500.00	7,001.00	16,905.00	6,998.53	342.72	271.34	92.97	-5,838.46	-14,178.90	876.24	508.32	367.91	2.382		
20,600.00	7,001.00	16,905.00	6,998.53	345.29	271.34	92.97	-5,838.46	-14,178.90	788.37	392.88	395.49	1.993		
20,700.00	7,001.00	16,905.00	6,998.53	347.86	271.34	92.97	-5,838.46	-14,178.90	703.75	275.48	428.27	1.643		
20,800.00	7,001.00	16,905.00	6,998.53	350.43	271.34	92.97	-5,838.46	-14,178.90	623.69	156.78	466.91	1.336 Level 3		
20,900.00	7,001.00	16,905.00	6,998.53	353.00	271.34	92.97	-5,838.46	-14,178.90	550.20	39.01	511.19	1.076 Level 2		
21,000.00	7,001.00	16,905.00	6,998.53	355.58	271.34	92.97	-5,838.46	-14,178.90	486.26	-72.26	558.53	0.871 Level 1		
21,100.00	7,001.00	16,905.00	6,998.53	358.16	271.34	92.97	-5,838.46	-14,178.90	436.10	-165.24	601.34	0.725 Level 1		
21,121.77	7,001.00	16,905.00	6,998.53	358.72	271.34	92.97	-5,838.46	-14,178.90	427.51	-181.27	608.78	0.702 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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
11,200.00	7,001.00	17,004.00	7,125.88	139.38	269.94	-146.68	-6,188.21	-14,220.30	10,116.84	9,977.50	139.34	72.603		
11,300.00	7,001.00	17,004.00	7,125.88	140.65	269.94	-146.68	-6,188.21	-14,220.30	10,016.86	9,877.53	139.33	71.895		
11,400.00	7,001.00	17,004.00	7,125.88	141.95	269.94	-146.68	-6,188.21	-14,220.30	9,916.87	9,777.57	139.31	71.187		
11,500.00	7,001.00	17,004.00	7,125.88	143.29	269.94	-146.68	-6,188.21	-14,220.30	9,816.89	9,677.60	139.29	70.479		
11,600.00	7,001.00	17,004.00	7,125.88	144.66	269.94	-146.68	-6,188.21	-14,220.30	9,716.91	9,577.64	139.27	69.770		
11,700.00	7,001.00	17,004.00	7,125.88	146.06	269.94	-146.68	-6,188.21	-14,220.30	9,616.92	9,477.67	139.25	69.062		
11,800.00	7,001.00	17,004.00	7,125.88	147.50	269.94	-146.68	-6,188.21	-14,220.30	9,516.94	9,377.71	139.23	68.354		
11,900.00	7,001.00	17,004.00	7,125.88	148.97	269.94	-146.68	-6,188.21	-14,220.30	9,416.96	9,277.75	139.21	67.645		
12,000.00	7,001.00	17,004.00	7,125.88	150.47	269.94	-146.68	-6,188.21	-14,220.30	9,316.98	9,177.79	139.19	66.937		
12,100.00	7,001.00	17,004.00	7,125.88	152.00	269.94	-146.68	-6,188.21	-14,220.30	9,216.99	9,077.83	139.17	66.229		
12,200.00	7,001.00	17,004.00	7,125.88	153.57	269.94	-146.68	-6,188.21	-14,220.30	9,117.01	8,977.87	139.15	65.520		
12,300.00	7,001.00	17,004.00	7,125.88	155.16	269.94	-146.68	-6,188.21	-14,220.30	9,017.03	8,877.91	139.13	64.812		
12,400.00	7,001.00	17,004.00	7,125.88	156.79	269.94	-146.68	-6,188.21	-14,220.30	8,917.05	8,777.95	139.10	64.104		
12,500.00	7,001.00	17,004.00	7,125.88	158.44	269.94	-146.68	-6,188.21	-14,220.30	8,817.07	8,677.99	139.08	63.395		
12,600.00	7,001.00	17,004.00	7,125.88	160.13	269.94	-146.68	-6,188.21	-14,220.30	8,717.09	8,578.03	139.06	62.687		
12,700.00	7,001.00	17,004.00	7,125.88	161.84	269.94	-146.68	-6,188.21	-14,220.30	8,617.11	8,478.08	139.03	61.979		
12,800.00	7,001.00	17,004.00	7,125.88	163.58	269.94	-146.68	-6,188.21	-14,220.30	8,517.13	8,378.12	139.01	61.270		
12,900.00	7,001.00	17,004.00	7,125.88	165.35	269.94	-146.68	-6,188.21	-14,220.30	8,417.16	8,278.17	138.98	60.562		
13,000.00	7,001.00	17,004.00	7,125.88	167.14	269.94	-146.68	-6,188.21	-14,220.30	8,317.18	8,178.22	138.96	59.854		
13,100.00	7,001.00	17,004.00	7,125.88	168.97	269.94	-146.68	-6,188.21	-14,220.30	8,217.20	8,078.27	138.93	59.145		
13,200.00	7,001.00	17,004.00	7,125.88	170.81	269.94	-146.68	-6,188.21	-14,220.30	8,117.22	7,978.32	138.91	58.437		
13,300.00	7,001.00	17,004.00	7,125.88	172.68	269.94	-146.68	-6,188.21	-14,220.30	8,017.25	7,878.37	138.88	57.729		
13,400.00	7,001.00	17,004.00	7,125.88	174.58	269.94	-146.68	-6,188.21	-14,220.30	7,917.27	7,778.42	138.85	57.020		
13,500.00	7,001.00	17,004.00	7,125.88	176.50	269.94	-146.68	-6,188.21	-14,220.30	7,817.30	7,678.48	138.82	56.312		
13,600.00	7,001.00	17,004.00	7,125.88	178.44	269.94	-146.68	-6,188.21	-14,220.30	7,717.32	7,578.53	138.79	55.604		
13,700.00	7,001.00	17,004.00	7,125.88	180.41	269.94	-146.68	-6,188.21	-14,220.30	7,617.35	7,478.59	138.76	54.896		
13,800.00	7,001.00	17,004.00	7,125.88	182.39	269.94	-146.68	-6,188.21	-14,220.30	7,517.38	7,378.65	138.73	54.188		
13,900.00	7,001.00	17,004.00	7,125.88	184.40	269.94	-146.68	-6,188.21	-14,220.30	7,417.41	7,278.71	138.70	53.480		
14,000.00	7,001.00	17,004.00	7,125.88	186.43	269.94	-146.68	-6,188.21	-14,220.30	7,317.44	7,178.77	138.66	52.772		
14,100.00	7,001.00	17,004.00	7,125.88	188.48	269.94	-146.68	-6,188.21	-14,220.30	7,217.47	7,078.84	138.63	52.064		
14,200.00	7,001.00	17,004.00	7,125.88	190.54	269.94	-146.68	-6,188.21	-14,220.30	7,117.50	6,978.90	138.59	51.356		
14,300.00	7,001.00	17,004.00	7,125.88	192.63	269.94	-146.68	-6,188.21	-14,220.30	7,017.53	6,878.97	138.56	50.648		
14,400.00	7,001.00	17,004.00	7,125.88	194.73	269.94	-146.68	-6,188.21	-14,220.30	6,917.56	6,779.04	138.52	49.940		
14,500.00	7,001.00	17,004.00	7,125.88	196.85	269.94	-146.68	-6,188.21	-14,220.30	6,817.59	6,679.11	138.48	49.232		
14,600.00	7,001.00	17,004.00	7,125.88	198.99	269.94	-146.68	-6,188.21	-14,220.30	6,717.63	6,579.19	138.44	48.524		
14,700.00	7,001.00	17,004.00	7,125.88	201.14	269.94	-146.68	-6,188.21	-14,220.30	6,617.66	6,479.26	138.40	47.816		
14,800.00	7,001.00	17,004.00	7,125.88	203.31	269.94	-146.68	-6,188.21	-14,220.30	6,517.70	6,379.34	138.36	47.109		
14,900.00	7,001.00	17,004.00	7,125.88	205.50	269.94	-146.68	-6,188.21	-14,220.30	6,417.74	6,279.42	138.31	46.401		
15,000.00	7,001.00	17,004.00	7,125.88	207.70	269.94	-146.68	-6,188.21	-14,220.30	6,317.77	6,179.51	138.27	45.693		
15,100.00	7,001.00	17,004.00	7,125.88	209.91	269.94	-146.68	-6,188.21	-14,220.30	6,217.81	6,079.60	138.22	44.986		
15,200.00	7,001.00	17,004.00	7,125.88	212.14	269.94	-146.68	-6,188.21	-14,220.30	6,117.86	5,979.69	138.17	44.278		
15,300.00	7,001.00	17,004.00	7,125.88	214.38	269.94	-146.68	-6,188.21	-14,220.30	6,017.90	5,879.78	138.12	43.571		
15,400.00	7,001.00	17,004.00	7,125.88	216.64	269.94	-146.68	-6,188.21	-14,220.30	5,917.94	5,779.88	138.07	42.863		
15,500.00	7,001.00	17,004.00	7,125.88	218.90	269.94	-146.68	-6,188.21	-14,220.30	5,817.99	5,679.98	138.01	42.156		
15,600.00	7,001.00	17,004.00	7,125.88	221.18	269.94	-146.68	-6,188.21	-14,220.30	5,718.03	5,580.08	137.96	41.448		
15,700.00	7,001.00	17,004.00	7,125.88	223.47	269.94	-146.68	-6,188.21	-14,220.30	5,618.08	5,480.19	137.90	40.741		
15,800.00	7,001.00	17,004.00	7,125.88	225.78	269.94	-146.68	-6,188.21	-14,220.30	5,518.13	5,380.30	137.84	40.034		
15,900.00	7,001.00	17,004.00	7,125.88	228.09	269.94	-146.68	-6,188.21	-14,220.30	5,418.19	5,280.41	137.77	39.327		
16,000.00	7,001.00	17,004.00	7,125.88	230.41	269.94	-146.68	-6,188.21	-14,220.30	5,318.24	5,180.53	137.71	38.620		
16,100.00	7,001.00	17,004.00	7,125.88	232.75	269.94	-146.68	-6,188.21	-14,220.30	5,218.30	5,080.66	137.64	37.912		
16,200.00	7,001.00	17,004.00	7,125.88	235.09	269.94	-146.68	-6,188.21	-14,220.30	5,118.36	4,980.79	137.57	37.205		
16,300.00	7,001.00	17,004.00	7,125.88	237.45	269.94	-146.68	-6,188.21	-14,220.30	5,018.42	4,880.92	137.50	36.498		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
16,400.00	7,001.00	17,004.00	7,125.88	239.81	269.94	-146.68	-6,188.21	-14,220.30	4,918.48	4,781.06	137.42	35.791		
16,500.00	7,001.00	17,004.00	7,125.88	242.18	269.94	-146.68	-6,188.21	-14,220.30	4,818.55	4,681.21	137.34	35.084		
16,600.00	7,001.00	17,004.00	7,125.88	244.56	269.94	-146.68	-6,188.21	-14,220.30	4,718.62	4,581.36	137.26	34.378		
16,700.00	7,001.00	17,004.00	7,125.88	246.95	269.94	-146.68	-6,188.21	-14,220.30	4,618.69	4,481.51	137.17	33.671		
16,800.00	7,001.00	17,004.00	7,125.88	249.35	269.94	-146.68	-6,188.21	-14,220.30	4,518.76	4,381.68	137.08	32.964		
16,900.00	7,001.00	17,004.00	7,125.88	251.75	269.94	-146.68	-6,188.21	-14,220.30	4,418.84	4,281.85	136.99	32.257		
17,000.00	7,001.00	17,004.00	7,125.88	254.17	269.94	-146.68	-6,188.21	-14,220.30	4,318.92	4,182.03	136.89	31.550		
17,100.00	7,001.00	17,004.00	7,125.88	256.59	269.94	-146.68	-6,188.21	-14,220.30	4,219.01	4,082.22	136.79	30.843		
17,200.00	7,001.00	17,004.00	7,125.88	259.01	269.94	-146.68	-6,188.21	-14,220.30	4,119.10	3,982.42	136.68	30.137		
17,300.00	7,001.00	17,004.00	7,125.88	261.45	269.94	-146.68	-6,188.21	-14,220.30	4,019.19	3,882.62	136.57	29.430		
17,400.00	7,001.00	17,004.00	7,125.88	263.89	269.94	-146.68	-6,188.21	-14,220.30	3,919.29	3,782.84	136.45	28.723		
17,500.00	7,001.00	17,004.00	7,125.88	266.34	269.94	-146.68	-6,188.21	-14,220.30	3,819.40	3,683.07	136.33	28.016		
17,600.00	7,001.00	17,004.00	7,125.88	268.79	269.94	-146.68	-6,188.21	-14,220.30	3,719.51	3,583.31	136.20	27.309		
17,700.00	7,001.00	17,004.00	7,125.88	271.25	269.94	-146.68	-6,188.21	-14,220.30	3,619.62	3,483.56	136.07	26.602		
17,800.00	7,001.00	17,004.00	7,125.88	273.72	269.94	-146.68	-6,188.21	-14,220.30	3,519.75	3,383.82	135.92	25.895		
17,900.00	7,001.00	17,004.00	7,125.88	276.19	269.94	-146.68	-6,188.21	-14,220.30	3,419.88	3,284.10	135.78	25.188		
18,000.00	7,001.00	17,004.00	7,125.88	278.67	269.94	-146.68	-6,188.21	-14,220.30	3,320.02	3,184.40	135.62	24.480		
18,100.00	7,001.00	17,004.00	7,125.88	281.15	269.94	-146.68	-6,188.21	-14,220.30	3,220.16	3,084.71	135.45	23.773		
18,200.00	7,001.00	17,004.00	7,125.88	283.64	269.94	-150.36	-6,188.21	-14,220.30	3,120.32	2,985.03	135.28	23.065		
18,300.00	7,001.00	17,004.00	7,125.88	286.15	269.94	171.20	-6,188.21	-14,220.30	3,020.44	2,885.23	135.22	22.338		
18,400.00	7,001.00	17,004.00	7,125.88	288.68	269.94	139.48	-6,188.21	-14,220.30	2,920.60	2,785.27	135.34	21.580		
18,500.00	7,001.00	17,004.00	7,125.88	291.24	269.94	132.07	-6,188.21	-14,220.30	2,820.89	2,685.25	135.64	20.797		
18,600.00	7,001.00	17,004.00	7,125.88	293.80	269.94	132.07	-6,188.21	-14,220.30	2,721.21	2,585.22	135.99	20.011		
18,700.00	7,001.00	17,004.00	7,125.88	296.36	269.94	132.07	-6,188.21	-14,220.30	2,621.55	2,485.17	136.38	19.223		
18,800.00	7,001.00	17,004.00	7,125.88	298.93	269.94	132.07	-6,188.21	-14,220.30	2,521.92	2,385.10	136.82	18.433		
18,900.00	7,001.00	17,004.00	7,125.88	301.50	269.94	132.07	-6,188.21	-14,220.30	2,422.32	2,285.00	137.31	17.641		
19,000.00	7,001.00	17,004.00	7,125.88	304.07	269.94	132.07	-6,188.21	-14,220.30	2,322.75	2,184.87	137.88	16.846		
19,100.00	7,001.00	17,004.00	7,125.88	306.65	269.94	132.07	-6,188.21	-14,220.30	2,223.22	2,084.70	138.52	16.049		
19,200.00	7,001.00	17,004.00	7,125.88	309.23	269.94	132.07	-6,188.21	-14,220.30	2,123.74	1,984.47	139.27	15.249		
19,300.00	7,001.00	17,004.00	7,125.88	311.81	269.94	132.07	-6,188.21	-14,220.30	2,024.31	1,884.17	140.14	14.445		
19,400.00	7,001.00	17,004.00	7,125.88	314.39	269.94	132.07	-6,188.21	-14,220.30	1,924.94	1,783.78	141.15	13.637		
19,500.00	7,001.00	17,004.00	7,125.88	316.97	269.94	132.07	-6,188.21	-14,220.30	1,825.63	1,683.28	142.35	12.825		
19,600.00	7,001.00	17,004.00	7,125.88	319.56	269.94	132.07	-6,188.21	-14,220.30	1,726.41	1,582.63	143.78	12.007		
19,700.00	7,001.00	17,004.00	7,125.88	322.15	269.94	132.07	-6,188.21	-14,220.30	1,627.28	1,481.78	145.50	11.184		
19,800.00	7,001.00	17,004.00	7,125.88	324.74	269.94	132.07	-6,188.21	-14,220.30	1,528.26	1,380.68	147.58	10.355		
19,900.00	7,001.00	17,004.00	7,125.88	327.33	269.94	134.62	-6,188.21	-14,220.30	1,429.37	1,279.27	150.09	9.523		
20,000.00	7,001.00	17,004.00	7,125.88	329.92	269.94	145.36	-6,188.21	-14,220.30	1,330.36	1,177.90	152.46	8.726		
20,100.00	7,001.00	17,004.00	7,125.88	332.49	269.94	158.64	-6,188.21	-14,220.30	1,231.23	1,076.96	154.27	7.981		
20,200.00	7,001.00	17,004.00	7,125.88	335.04	269.94	162.66	-6,188.21	-14,220.30	1,132.10	976.51	155.59	7.276		
20,300.00	7,001.00	17,004.00	7,125.88	337.60	269.94	162.66	-6,188.21	-14,220.30	1,033.13	875.97	157.17	6.574		
20,400.00	7,001.00	17,004.00	7,125.88	340.16	269.94	162.66	-6,188.21	-14,220.30	934.38	775.22	159.16	5.871		
20,500.00	7,001.00	17,004.00	7,125.88	342.72	269.94	162.66	-6,188.21	-14,220.30	835.93	674.19	161.74	5.168		
20,600.00	7,001.00	17,004.00	7,125.88	345.29	269.94	162.66	-6,188.21	-14,220.30	737.90	572.74	165.16	4.468		
20,700.00	7,001.00	17,004.00	7,125.88	347.86	269.94	162.66	-6,188.21	-14,220.30	640.47	470.64	169.83	3.771		
20,800.00	7,001.00	17,004.00	7,125.88	350.43	269.94	162.66	-6,188.21	-14,220.30	543.98	367.53	176.45	3.083		
20,900.00	7,001.00	17,004.00	7,125.88	353.00	269.94	162.66	-6,188.21	-14,220.30	449.02	262.81	186.21	2.411		
21,000.00	7,001.00	17,004.00	7,125.88	355.58	269.94	162.66	-6,188.21	-14,220.30	356.84	155.56	201.27	1.773		
21,100.00	7,001.00	17,004.00	7,125.88	358.16	269.94	162.66	-6,188.21	-14,220.30	270.26	45.00	225.27	1.200 Level 2		
21,121.77	7,001.00	17,004.00	7,125.88	358.72	269.94	162.66	-6,188.21	-14,220.30	252.73	20.64	232.09	1.089 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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
11,200.00	7,001.00	17,100.00	7,247.03	139.38	270.51	-144.37	-6,283.84	-14,183.49	10,083.78	9,944.75	139.03	72.530		
11,300.00	7,001.00	17,100.00	7,247.03	140.65	270.51	-144.37	-6,283.84	-14,183.49	9,983.84	9,844.85	138.99	71.832		
11,400.00	7,001.00	17,100.00	7,247.03	141.95	270.51	-144.37	-6,283.84	-14,183.49	9,883.89	9,744.94	138.95	71.134		
11,500.00	7,001.00	17,100.00	7,247.03	143.29	270.51	-144.37	-6,283.84	-14,183.49	9,783.95	9,645.04	138.91	70.436		
11,600.00	7,001.00	17,100.00	7,247.03	144.66	270.51	-144.37	-6,283.84	-14,183.49	9,684.01	9,545.14	138.86	69.738		
11,700.00	7,001.00	17,100.00	7,247.03	146.06	270.51	-144.37	-6,283.84	-14,183.49	9,584.06	9,445.25	138.82	69.040		
11,800.00	7,001.00	17,100.00	7,247.03	147.50	270.51	-144.37	-6,283.84	-14,183.49	9,484.12	9,345.35	138.77	68.342		
11,900.00	7,001.00	17,100.00	7,247.03	148.97	270.51	-144.37	-6,283.84	-14,183.49	9,384.19	9,245.46	138.73	67.644		
12,000.00	7,001.00	17,100.00	7,247.03	150.47	270.51	-144.37	-6,283.84	-14,183.49	9,284.25	9,145.57	138.68	66.945		
12,100.00	7,001.00	17,100.00	7,247.03	152.00	270.51	-144.37	-6,283.84	-14,183.49	9,184.31	9,045.68	138.64	66.247		
12,200.00	7,001.00	17,100.00	7,247.03	153.57	270.51	-144.37	-6,283.84	-14,183.49	9,084.38	8,945.79	138.59	65.549		
12,300.00	7,001.00	17,100.00	7,247.03	155.16	270.51	-144.37	-6,283.84	-14,183.49	8,984.45	8,845.90	138.54	64.850		
12,400.00	7,001.00	17,100.00	7,247.03	156.79	270.51	-144.37	-6,283.84	-14,183.49	8,884.51	8,746.02	138.49	64.152		
12,500.00	7,001.00	17,100.00	7,247.03	158.44	270.51	-144.37	-6,283.84	-14,183.49	8,784.59	8,646.14	138.44	63.453		
12,600.00	7,001.00	17,100.00	7,247.03	160.13	270.51	-144.37	-6,283.84	-14,183.49	8,684.66	8,546.27	138.39	62.755		
12,700.00	7,001.00	17,100.00	7,247.03	161.84	270.51	-144.37	-6,283.84	-14,183.49	8,584.73	8,446.39	138.34	62.056		
12,800.00	7,001.00	17,100.00	7,247.03	163.58	270.51	-144.37	-6,283.84	-14,183.49	8,484.81	8,346.52	138.29	61.357		
12,900.00	7,001.00	17,100.00	7,247.03	165.35	270.51	-144.37	-6,283.84	-14,183.49	8,384.88	8,246.65	138.23	60.658		
13,000.00	7,001.00	17,100.00	7,247.03	167.14	270.51	-144.37	-6,283.84	-14,183.49	8,284.96	8,146.79	138.18	59.960		
13,100.00	7,001.00	17,100.00	7,247.03	168.97	270.51	-144.37	-6,283.84	-14,183.49	8,185.04	8,046.92	138.12	59.261		
13,200.00	7,001.00	17,100.00	7,247.03	170.81	270.51	-144.37	-6,283.84	-14,183.49	8,085.13	7,947.06	138.06	58.562		
13,300.00	7,001.00	17,100.00	7,247.03	172.68	270.51	-144.37	-6,283.84	-14,183.49	7,985.21	7,847.21	138.00	57.863		
13,400.00	7,001.00	17,100.00	7,247.03	174.58	270.51	-144.37	-6,283.84	-14,183.49	7,885.30	7,747.36	137.94	57.164		
13,500.00	7,001.00	17,100.00	7,247.03	176.50	270.51	-144.37	-6,283.84	-14,183.49	7,785.39	7,647.51	137.88	56.465		
13,600.00	7,001.00	17,100.00	7,247.03	178.44	270.51	-144.37	-6,283.84	-14,183.49	7,685.48	7,547.66	137.82	55.766		
13,700.00	7,001.00	17,100.00	7,247.03	180.41	270.51	-144.37	-6,283.84	-14,183.49	7,585.57	7,447.82	137.75	55.067		
13,800.00	7,001.00	17,100.00	7,247.03	182.39	270.51	-144.37	-6,283.84	-14,183.49	7,485.67	7,347.98	137.69	54.368		
13,900.00	7,001.00	17,100.00	7,247.03	184.40	270.51	-144.37	-6,283.84	-14,183.49	7,385.77	7,248.15	137.62	53.668		
14,000.00	7,001.00	17,100.00	7,247.03	186.43	270.51	-144.37	-6,283.84	-14,183.49	7,285.87	7,148.32	137.55	52.969		
14,100.00	7,001.00	17,100.00	7,247.03	188.48	270.51	-144.37	-6,283.84	-14,183.49	7,185.97	7,048.49	137.48	52.270		
14,200.00	7,001.00	17,100.00	7,247.03	190.54	270.51	-144.37	-6,283.84	-14,183.49	7,086.08	6,948.67	137.41	51.570		
14,300.00	7,001.00	17,100.00	7,247.03	192.63	270.51	-144.37	-6,283.84	-14,183.49	6,986.19	6,848.86	137.33	50.871		
14,400.00	7,001.00	17,100.00	7,247.03	194.73	270.51	-144.37	-6,283.84	-14,183.49	6,886.31	6,749.05	137.26	50.171		
14,500.00	7,001.00	17,100.00	7,247.03	196.85	270.51	-144.37	-6,283.84	-14,183.49	6,786.42	6,649.24	137.18	49.471		
14,600.00	7,001.00	17,100.00	7,247.03	198.99	270.51	-144.37	-6,283.84	-14,183.49	6,686.54	6,549.45	137.10	48.772		
14,700.00	7,001.00	17,100.00	7,247.03	201.14	270.51	-144.37	-6,283.84	-14,183.49	6,586.67	6,449.65	137.02	48.072		
14,800.00	7,001.00	17,100.00	7,247.03	203.31	270.51	-144.37	-6,283.84	-14,183.49	6,486.80	6,349.86	136.93	47.372		
14,900.00	7,001.00	17,100.00	7,247.03	205.50	270.51	-144.37	-6,283.84	-14,183.49	6,386.93	6,250.08	136.85	46.672		
15,000.00	7,001.00	17,100.00	7,247.03	207.70	270.51	-144.37	-6,283.84	-14,183.49	6,287.07	6,150.31	136.76	45.972		
15,100.00	7,001.00	17,100.00	7,247.03	209.91	270.51	-144.37	-6,283.84	-14,183.49	6,187.21	6,050.54	136.67	45.272		
15,200.00	7,001.00	17,100.00	7,247.03	212.14	270.51	-144.37	-6,283.84	-14,183.49	6,087.35	5,950.78	136.57	44.572		
15,300.00	7,001.00	17,100.00	7,247.03	214.38	270.51	-144.37	-6,283.84	-14,183.49	5,987.50	5,851.02	136.48	43.871		
15,400.00	7,001.00	17,100.00	7,247.03	216.64	270.51	-144.37	-6,283.84	-14,183.49	5,887.66	5,751.28	136.38	43.171		
15,500.00	7,001.00	17,100.00	7,247.03	218.90	270.51	-144.37	-6,283.84	-14,183.49	5,787.82	5,651.54	136.28	42.470		
15,600.00	7,001.00	17,100.00	7,247.03	221.18	270.51	-144.37	-6,283.84	-14,183.49	5,687.99	5,551.81	136.18	41.769		
15,700.00	7,001.00	17,100.00	7,247.03	223.47	270.51	-144.37	-6,283.84	-14,183.49	5,588.16	5,452.09	136.07	41.069		
15,800.00	7,001.00	17,100.00	7,247.03	225.78	270.51	-144.37	-6,283.84	-14,183.49	5,488.34	5,352.38	135.96	40.367		
15,900.00	7,001.00	17,100.00	7,247.03	228.09	270.51	-144.37	-6,283.84	-14,183.49	5,388.52	5,252.68	135.85	39.666		
16,000.00	7,001.00	17,100.00	7,247.03	230.41	270.51	-144.37	-6,283.84	-14,183.49	5,288.71	5,152.98	135.73	38.965		
16,100.00	7,001.00	17,100.00	7,247.03	232.75	270.51	-144.37	-6,283.84	-14,183.49	5,188.91	5,053.30	135.61	38.263		
16,200.00	7,001.00	17,100.00	7,247.03	235.09	270.51	-144.37	-6,283.84	-14,183.49	5,089.12	4,953.63	135.49	37.562		
16,300.00	7,001.00	17,100.00	7,247.03	237.45	270.51	-144.37	-6,283.84	-14,183.49	4,989.34	4,853.98	135.36	36.859		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
16,400.00	7,001.00	17,100.00	7,247.03	239.81	270.51	-144.37	-6,283.84	-14,183.49	4,889.56	4,754.33	135.23	36.157		
16,500.00	7,001.00	17,100.00	7,247.03	242.18	270.51	-144.37	-6,283.84	-14,183.49	4,789.80	4,654.70	135.10	35.455		
16,600.00	7,001.00	17,100.00	7,247.03	244.56	270.51	-144.37	-6,283.84	-14,183.49	4,690.04	4,555.08	134.96	34.752		
16,700.00	7,001.00	17,100.00	7,247.03	246.95	270.51	-144.37	-6,283.84	-14,183.49	4,590.30	4,455.48	134.82	34.049		
16,800.00	7,001.00	17,100.00	7,247.03	249.35	270.51	-144.37	-6,283.84	-14,183.49	4,490.56	4,355.89	134.67	33.345		
16,900.00	7,001.00	17,100.00	7,247.03	251.75	270.51	-144.37	-6,283.84	-14,183.49	4,390.84	4,256.32	134.52	32.642		
17,000.00	7,001.00	17,100.00	7,247.03	254.17	270.51	-144.37	-6,283.84	-14,183.49	4,291.13	4,156.77	134.36	31.937		
17,100.00	7,001.00	17,100.00	7,247.03	256.59	270.51	-144.37	-6,283.84	-14,183.49	4,191.44	4,057.24	134.20	31.233		
17,200.00	7,001.00	17,100.00	7,247.03	259.01	270.51	-144.37	-6,283.84	-14,183.49	4,091.76	3,957.72	134.03	30.528		
17,300.00	7,001.00	17,100.00	7,247.03	261.45	270.51	-144.37	-6,283.84	-14,183.49	3,992.09	3,858.23	133.86	29.822		
17,400.00	7,001.00	17,100.00	7,247.03	263.89	270.51	-144.37	-6,283.84	-14,183.49	3,892.45	3,758.76	133.69	29.116		
17,500.00	7,001.00	17,100.00	7,247.03	266.34	270.51	-144.37	-6,283.84	-14,183.49	3,792.82	3,659.31	133.51	28.410		
17,600.00	7,001.00	17,100.00	7,247.03	268.79	270.51	-144.37	-6,283.84	-14,183.49	3,693.21	3,559.89	133.32	27.702		
17,700.00	7,001.00	17,100.00	7,247.03	271.25	270.51	-144.37	-6,283.84	-14,183.49	3,593.62	3,460.50	133.13	26.994		
17,800.00	7,001.00	17,100.00	7,247.03	273.72	270.51	-144.37	-6,283.84	-14,183.49	3,494.06	3,361.13	132.93	26.286		
17,900.00	7,001.00	17,100.00	7,247.03	276.19	270.51	-144.37	-6,283.84	-14,183.49	3,394.52	3,261.80	132.72	25.576		
18,000.00	7,001.00	17,100.00	7,247.03	278.67	270.51	-144.37	-6,283.84	-14,183.49	3,295.01	3,162.50	132.51	24.866		
18,100.00	7,001.00	17,100.00	7,247.03	281.15	270.51	-144.37	-6,283.84	-14,183.49	3,195.53	3,063.24	132.30	24.154		
18,200.00	7,001.00	17,100.00	7,247.03	283.64	270.51	-146.23	-6,283.84	-14,183.49	3,096.09	2,964.01	132.08	23.442		
18,300.00	7,001.00	17,100.00	7,247.03	286.15	270.51	-164.61	-6,283.84	-14,183.49	2,996.57	2,864.65	131.92	22.715		
18,400.00	7,001.00	17,100.00	7,247.03	288.68	270.51	173.98	-6,283.84	-14,183.49	2,897.00	2,765.12	131.87	21.968		
18,500.00	7,001.00	17,100.00	7,247.03	291.24	270.51	166.34	-6,283.84	-14,183.49	2,797.47	2,665.54	131.92	21.205		
18,600.00	7,001.00	17,100.00	7,247.03	293.80	270.51	166.34	-6,283.84	-14,183.49	2,697.97	2,565.99	131.99	20.441		
18,700.00	7,001.00	17,100.00	7,247.03	296.36	270.51	166.34	-6,283.84	-14,183.49	2,598.52	2,466.46	132.06	19.676		
18,800.00	7,001.00	17,100.00	7,247.03	298.93	270.51	166.34	-6,283.84	-14,183.49	2,499.12	2,366.97	132.15	18.911		
18,900.00	7,001.00	17,100.00	7,247.03	301.50	270.51	166.34	-6,283.84	-14,183.49	2,399.76	2,267.51	132.25	18.146		
19,000.00	7,001.00	17,100.00	7,247.03	304.07	270.51	166.34	-6,283.84	-14,183.49	2,300.45	2,168.09	132.36	17.380		
19,100.00	7,001.00	17,100.00	7,247.03	306.65	270.51	166.34	-6,283.84	-14,183.49	2,201.21	2,068.71	132.50	16.613		
19,200.00	7,001.00	17,100.00	7,247.03	309.23	270.51	166.34	-6,283.84	-14,183.49	2,102.04	1,969.39	132.66	15.846		
19,300.00	7,001.00	17,100.00	7,247.03	311.81	270.51	166.34	-6,283.84	-14,183.49	2,002.96	1,870.11	132.85	15.077		
19,400.00	7,001.00	17,100.00	7,247.03	314.39	270.51	166.34	-6,283.84	-14,183.49	1,903.97	1,770.89	133.08	14.307		
19,500.00	7,001.00	17,100.00	7,247.03	316.97	270.51	166.34	-6,283.84	-14,183.49	1,805.09	1,671.74	133.35	13.536		
19,600.00	7,001.00	17,100.00	7,247.03	319.56	270.51	166.34	-6,283.84	-14,183.49	1,706.34	1,572.65	133.69	12.763		
19,700.00	7,001.00	17,100.00	7,247.03	322.15	270.51	166.34	-6,283.84	-14,183.49	1,607.75	1,473.64	134.11	11.989		
19,800.00	7,001.00	17,100.00	7,247.03	324.74	270.51	166.34	-6,283.84	-14,183.49	1,509.34	1,374.71	134.63	11.211		
19,900.00	7,001.00	17,100.00	7,247.03	327.33	270.51	169.12	-6,283.84	-14,183.49	1,411.15	1,275.88	135.27	10.432		
20,000.00	7,001.00	17,100.00	7,247.03	329.92	270.51	178.91	-6,283.84	-14,183.49	1,313.15	1,177.40	135.75	9.673		
20,100.00	7,001.00	17,100.00	7,247.03	332.49	270.51	-171.96	-6,283.84	-14,183.49	1,215.46	1,079.58	135.88	8.945		
20,200.00	7,001.00	17,100.00	7,247.03	335.04	270.51	-169.61	-6,283.84	-14,183.49	1,118.25	982.53	135.72	8.239		
20,300.00	7,001.00	17,100.00	7,247.03	337.60	270.51	-169.61	-6,283.84	-14,183.49	1,021.58	885.95	135.63	7.532		
20,400.00	7,001.00	17,100.00	7,247.03	340.16	270.51	-169.61	-6,283.84	-14,183.49	925.61	789.93	135.69	6.822		
20,500.00	7,001.00	17,100.00	7,247.03	342.72	270.51	-169.61	-6,283.84	-14,183.49	830.61	694.61	135.99	6.108		
20,600.00	7,001.00	17,100.00	7,247.03	345.29	270.51	-169.61	-6,283.84	-14,183.49	736.92	600.21	136.71	5.390		
20,700.00	7,001.00	17,100.00	7,247.03	347.86	270.51	-169.61	-6,283.84	-14,183.49	645.13	506.97	138.16	4.670		
20,800.00	7,001.00	17,100.00	7,247.03	350.43	270.51	-169.61	-6,283.84	-14,183.49	556.18	415.26	140.93	3.947		
20,900.00	7,001.00	17,100.00	7,247.03	353.00	270.51	-169.61	-6,283.84	-14,183.49	471.68	325.43	146.25	3.225		
21,000.00	7,001.00	17,100.00	7,247.03	355.58	270.51	-169.61	-6,283.84	-14,183.49	394.50	237.88	156.62	2.519		
21,100.00	7,001.00	17,100.00	7,247.03	358.16	270.51	-169.61	-6,283.84	-14,183.49	329.80	153.75	176.05	1.873		
21,121.77	7,001.00	17,100.00	7,247.03	358.72	270.51	-169.61	-6,283.84	-14,183.49	318.15	136.35	181.80	1.750 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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
11,200.00	7,001.00	16,848.00	7,073.89	139.38	270.18	-103.77	-6,482.25	-14,176.06	10,078.70	9,938.81	139.89	72.047		
11,300.00	7,001.00	16,848.00	7,073.89	140.65	270.18	-103.77	-6,482.25	-14,176.06	9,978.78	9,838.94	139.84	71.358		
11,400.00	7,001.00	16,848.00	7,073.89	141.95	270.18	-103.77	-6,482.25	-14,176.06	9,878.86	9,739.07	139.79	70.670		
11,500.00	7,001.00	16,848.00	7,073.89	143.29	270.18	-103.77	-6,482.25	-14,176.06	9,778.95	9,639.21	139.74	69.981		
11,600.00	7,001.00	16,848.00	7,073.89	144.66	270.18	-103.77	-6,482.25	-14,176.06	9,679.03	9,539.35	139.68	69.293		
11,700.00	7,001.00	16,848.00	7,073.89	146.06	270.18	-103.77	-6,482.25	-14,176.06	9,579.12	9,439.49	139.63	68.604		
11,800.00	7,001.00	16,848.00	7,073.89	147.50	270.18	-103.77	-6,482.25	-14,176.06	9,479.21	9,339.63	139.58	67.915		
11,900.00	7,001.00	16,848.00	7,073.89	148.97	270.18	-103.77	-6,482.25	-14,176.06	9,379.30	9,239.78	139.52	67.225		
12,000.00	7,001.00	16,848.00	7,073.89	150.47	270.18	-103.77	-6,482.25	-14,176.06	9,279.39	9,139.93	139.46	66.536		
12,100.00	7,001.00	16,848.00	7,073.89	152.00	270.18	-103.77	-6,482.25	-14,176.06	9,179.49	9,040.08	139.41	65.846		
12,200.00	7,001.00	16,848.00	7,073.89	153.57	270.18	-103.77	-6,482.25	-14,176.06	9,079.59	8,940.23	139.35	65.156		
12,300.00	7,001.00	16,848.00	7,073.89	155.16	270.18	-103.77	-6,482.25	-14,176.06	8,979.69	8,840.39	139.29	64.466		
12,400.00	7,001.00	16,848.00	7,073.89	156.79	270.18	-103.77	-6,482.25	-14,176.06	8,879.79	8,740.55	139.23	63.776		
12,500.00	7,001.00	16,848.00	7,073.89	158.44	270.18	-103.77	-6,482.25	-14,176.06	8,779.89	8,640.72	139.18	63.085		
12,600.00	7,001.00	16,848.00	7,073.89	160.13	270.18	-103.77	-6,482.25	-14,176.06	8,680.00	8,540.88	139.12	62.394		
12,700.00	7,001.00	16,848.00	7,073.89	161.84	270.18	-103.77	-6,482.25	-14,176.06	8,580.11	8,441.05	139.05	61.703		
12,800.00	7,001.00	16,848.00	7,073.89	163.58	270.18	-103.77	-6,482.25	-14,176.06	8,480.22	8,341.23	138.99	61.012		
12,900.00	7,001.00	16,848.00	7,073.89	165.35	270.18	-103.77	-6,482.25	-14,176.06	8,380.33	8,241.40	138.93	60.321		
13,000.00	7,001.00	16,848.00	7,073.89	167.14	270.18	-103.77	-6,482.25	-14,176.06	8,280.45	8,141.58	138.87	59.629		
13,100.00	7,001.00	16,848.00	7,073.89	168.97	270.18	-103.77	-6,482.25	-14,176.06	8,180.57	8,041.77	138.80	58.937		
13,200.00	7,001.00	16,848.00	7,073.89	170.81	270.18	-103.77	-6,482.25	-14,176.06	8,080.69	7,941.96	138.74	58.245		
13,300.00	7,001.00	16,848.00	7,073.89	172.68	270.18	-103.77	-6,482.25	-14,176.06	7,980.82	7,842.15	138.67	57.552		
13,400.00	7,001.00	16,848.00	7,073.89	174.58	270.18	-103.77	-6,482.25	-14,176.06	7,880.95	7,742.34	138.60	56.860		
13,500.00	7,001.00	16,848.00	7,073.89	176.50	270.18	-103.77	-6,482.25	-14,176.06	7,781.08	7,642.54	138.54	56.167		
13,600.00	7,001.00	16,848.00	7,073.89	178.44	270.18	-103.77	-6,482.25	-14,176.06	7,681.22	7,542.75	138.47	55.473		
13,700.00	7,001.00	16,848.00	7,073.89	180.41	270.18	-103.77	-6,482.25	-14,176.06	7,581.35	7,442.96	138.40	54.780		
13,800.00	7,001.00	16,848.00	7,073.89	182.39	270.18	-103.77	-6,482.25	-14,176.06	7,481.50	7,343.17	138.33	54.086		
13,900.00	7,001.00	16,848.00	7,073.89	184.40	270.18	-103.77	-6,482.25	-14,176.06	7,381.64	7,243.39	138.25	53.392		
14,000.00	7,001.00	16,848.00	7,073.89	186.43	270.18	-103.77	-6,482.25	-14,176.06	7,281.80	7,143.61	138.18	52.698		
14,100.00	7,001.00	16,848.00	7,073.89	188.48	270.18	-103.77	-6,482.25	-14,176.06	7,181.95	7,043.84	138.11	52.003		
14,200.00	7,001.00	16,848.00	7,073.89	190.54	270.18	-103.77	-6,482.25	-14,176.06	7,082.11	6,944.08	138.03	51.308		
14,300.00	7,001.00	16,848.00	7,073.89	192.63	270.18	-103.77	-6,482.25	-14,176.06	6,982.27	6,844.32	137.96	50.612		
14,400.00	7,001.00	16,848.00	7,073.89	194.73	270.18	-103.77	-6,482.25	-14,176.06	6,882.44	6,744.56	137.88	49.917		
14,500.00	7,001.00	16,848.00	7,073.89	196.85	270.18	-103.77	-6,482.25	-14,176.06	6,782.62	6,644.82	137.80	49.221		
14,600.00	7,001.00	16,848.00	7,073.89	198.99	270.18	-103.77	-6,482.25	-14,176.06	6,682.80	6,545.08	137.72	48.524		
14,700.00	7,001.00	16,848.00	7,073.89	201.14	270.18	-103.77	-6,482.25	-14,176.06	6,582.98	6,445.34	137.64	47.827		
14,800.00	7,001.00	16,848.00	7,073.89	203.31	270.18	-103.77	-6,482.25	-14,176.06	6,483.17	6,345.61	137.56	47.130		
14,900.00	7,001.00	16,848.00	7,073.89	205.50	270.18	-103.77	-6,482.25	-14,176.06	6,383.37	6,245.89	137.48	46.432		
15,000.00	7,001.00	16,848.00	7,073.89	207.70	270.18	-103.77	-6,482.25	-14,176.06	6,283.57	6,146.18	137.39	45.734		
15,100.00	7,001.00	16,848.00	7,073.89	209.91	270.18	-103.77	-6,482.25	-14,176.06	6,183.78	6,046.47	137.31	45.035		
15,200.00	7,001.00	16,848.00	7,073.89	212.14	270.18	-103.77	-6,482.25	-14,176.06	6,083.99	5,946.77	137.22	44.336		
15,300.00	7,001.00	16,848.00	7,073.89	214.38	270.18	-103.77	-6,482.25	-14,176.06	5,984.22	5,847.08	137.14	43.637		
15,400.00	7,001.00	16,848.00	7,073.89	216.64	270.18	-103.77	-6,482.25	-14,176.06	5,884.45	5,747.40	137.05	42.937		
15,500.00	7,001.00	16,848.00	7,073.89	218.90	270.18	-103.77	-6,482.25	-14,176.06	5,784.69	5,647.73	136.96	42.236		
15,600.00	7,001.00	16,848.00	7,073.89	221.18	270.18	-103.77	-6,482.25	-14,176.06	5,684.93	5,548.06	136.87	41.535		
15,700.00	7,001.00	16,848.00	7,073.89	223.47	270.18	-103.77	-6,482.25	-14,176.06	5,585.19	5,448.41	136.78	40.833		
15,800.00	7,001.00	16,848.00	7,073.89	225.78	270.18	-103.77	-6,482.25	-14,176.06	5,485.45	5,348.77	136.69	40.131		
15,900.00	7,001.00	16,848.00	7,073.89	228.09	270.18	-103.77	-6,482.25	-14,176.06	5,385.73	5,249.13	136.60	39.428		
16,000.00	7,001.00	16,848.00	7,073.89	230.41	270.18	-103.77	-6,482.25	-14,176.06	5,286.02	5,149.51	136.50	38.724		
16,100.00	7,001.00	16,848.00	7,073.89	232.75	270.18	-103.77	-6,482.25	-14,176.06	5,186.31	5,049.90	136.41	38.020		
16,200.00	7,001.00	16,848.00	7,073.89	235.09	270.18	-103.77	-6,482.25	-14,176.06	5,086.62	4,950.30	136.32	37.315		
16,300.00	7,001.00	16,848.00	7,073.89	237.45	270.18	-103.77	-6,482.25	-14,176.06	4,986.94	4,850.72	136.22	36.609		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
16,400.00	7,001.00	16,848.00	7,073.89	239.81	270.18	-103.77	-6,482.25	-14,176.06	4,887.27	4,751.15	136.13	35.902		
16,500.00	7,001.00	16,848.00	7,073.89	242.18	270.18	-103.77	-6,482.25	-14,176.06	4,787.62	4,651.59	136.03	35.195		
16,600.00	7,001.00	16,848.00	7,073.89	244.56	270.18	-103.77	-6,482.25	-14,176.06	4,687.98	4,552.04	135.94	34.486		
16,700.00	7,001.00	16,848.00	7,073.89	246.95	270.18	-103.77	-6,482.25	-14,176.06	4,588.36	4,452.52	135.84	33.777		
16,800.00	7,001.00	16,848.00	7,073.89	249.35	270.18	-103.77	-6,482.25	-14,176.06	4,488.75	4,353.00	135.75	33.066		
16,900.00	7,001.00	16,848.00	7,073.89	251.75	270.18	-103.77	-6,482.25	-14,176.06	4,389.17	4,253.51	135.66	32.355		
17,000.00	7,001.00	16,848.00	7,073.89	254.17	270.18	-103.77	-6,482.25	-14,176.06	4,289.60	4,154.03	135.57	31.642		
17,100.00	7,001.00	16,848.00	7,073.89	256.59	270.18	-103.77	-6,482.25	-14,176.06	4,190.05	4,054.58	135.48	30.928		
17,200.00	7,001.00	16,848.00	7,073.89	259.01	270.18	-103.77	-6,482.25	-14,176.06	4,090.53	3,955.14	135.39	30.213		
17,300.00	7,001.00	16,848.00	7,073.89	261.45	270.18	-103.77	-6,482.25	-14,176.06	3,991.02	3,855.72	135.30	29.497		
17,400.00	7,001.00	16,848.00	7,073.89	263.89	270.18	-103.77	-6,482.25	-14,176.06	3,891.55	3,756.32	135.22	28.779		
17,500.00	7,001.00	16,848.00	7,073.89	266.34	270.18	-103.77	-6,482.25	-14,176.06	3,792.10	3,656.95	135.15	28.059		
17,600.00	7,001.00	16,848.00	7,073.89	268.79	270.18	-103.77	-6,482.25	-14,176.06	3,692.68	3,557.61	135.07	27.338		
17,700.00	7,001.00	16,848.00	7,073.89	271.25	270.18	-103.77	-6,482.25	-14,176.06	3,593.29	3,458.28	135.01	26.615		
17,800.00	7,001.00	16,848.00	7,073.89	273.72	270.18	-103.77	-6,482.25	-14,176.06	3,493.94	3,358.99	134.95	25.891		
17,900.00	7,001.00	16,848.00	7,073.89	276.19	270.18	-103.77	-6,482.25	-14,176.06	3,394.63	3,259.73	134.90	25.164		
18,000.00	7,001.00	16,848.00	7,073.89	278.67	270.18	-103.77	-6,482.25	-14,176.06	3,295.35	3,160.49	134.86	24.435		
18,100.00	7,001.00	16,848.00	7,073.89	281.15	270.18	-103.77	-6,482.25	-14,176.06	3,196.13	3,061.29	134.84	23.703		
18,200.00	7,001.00	16,848.00	7,073.89	283.64	270.18	-104.22	-6,482.25	-14,176.06	3,096.95	2,962.11	134.83	22.969		
18,300.00	7,001.00	16,848.00	7,073.89	286.15	270.18	-109.38	-6,482.25	-14,176.06	2,997.57	2,862.73	134.84	22.231		
18,400.00	7,001.00	16,848.00	7,073.89	288.68	270.18	-119.41	-6,482.25	-14,176.06	2,897.91	2,763.06	134.85	21.489		
18,500.00	7,001.00	16,848.00	7,073.89	291.24	270.18	-125.81	-6,482.25	-14,176.06	2,798.09	2,663.22	134.86	20.747		
18,600.00	7,001.00	16,848.00	7,073.89	293.80	270.18	-125.81	-6,482.25	-14,176.06	2,698.27	2,563.39	134.88	20.005		
18,700.00	7,001.00	16,848.00	7,073.89	296.36	270.18	-125.81	-6,482.25	-14,176.06	2,598.46	2,463.56	134.89	19.263		
18,800.00	7,001.00	16,848.00	7,073.89	298.93	270.18	-125.81	-6,482.25	-14,176.06	2,498.66	2,363.75	134.92	18.520		
18,900.00	7,001.00	16,848.00	7,073.89	301.50	270.18	-125.81	-6,482.25	-14,176.06	2,398.89	2,263.95	134.94	17.777		
19,000.00	7,001.00	16,848.00	7,073.89	304.07	270.18	-125.81	-6,482.25	-14,176.06	2,299.13	2,164.16	134.97	17.034		
19,100.00	7,001.00	16,848.00	7,073.89	306.65	270.18	-125.81	-6,482.25	-14,176.06	2,199.40	2,064.38	135.02	16.290		
19,200.00	7,001.00	16,848.00	7,073.89	309.23	270.18	-125.81	-6,482.25	-14,176.06	2,099.69	1,964.62	135.07	15.545		
19,300.00	7,001.00	16,848.00	7,073.89	311.81	270.18	-125.81	-6,482.25	-14,176.06	2,000.01	1,864.88	135.14	14.800		
19,400.00	7,001.00	16,848.00	7,073.89	314.39	270.18	-125.81	-6,482.25	-14,176.06	1,900.36	1,765.14	135.22	14.054		
19,500.00	7,001.00	16,848.00	7,073.89	316.97	270.18	-125.81	-6,482.25	-14,176.06	1,800.76	1,665.43	135.33	13.306		
19,600.00	7,001.00	16,848.00	7,073.89	319.56	270.18	-125.81	-6,482.25	-14,176.06	1,701.20	1,565.72	135.47	12.558		
19,700.00	7,001.00	16,848.00	7,073.89	322.15	270.18	-125.81	-6,482.25	-14,176.06	1,601.69	1,466.03	135.66	11.807		
19,800.00	7,001.00	16,848.00	7,073.89	324.74	270.18	-125.81	-6,482.25	-14,176.06	1,502.25	1,366.35	135.90	11.054		
19,900.00	7,001.00	16,848.00	7,073.89	327.33	270.18	-123.17	-6,482.25	-14,176.06	1,402.90	1,266.68	136.22	10.298		
20,000.00	7,001.00	16,848.00	7,073.89	329.92	270.18	-116.37	-6,482.25	-14,176.06	1,303.96	1,167.14	136.82	9.530		
20,100.00	7,001.00	16,848.00	7,073.89	332.49	270.18	-112.07	-6,482.25	-14,176.06	1,205.76	1,067.81	137.95	8.741		
20,200.00	7,001.00	16,848.00	7,073.89	335.04	270.18	-111.16	-6,482.25	-14,176.06	1,108.41	968.49	139.91	7.922		
20,300.00	7,001.00	16,848.00	7,073.89	337.60	270.18	-111.16	-6,482.25	-14,176.06	1,011.60	868.63	142.97	7.075		
20,400.00	7,001.00	16,848.00	7,073.89	340.16	270.18	-111.16	-6,482.25	-14,176.06	915.49	767.70	147.79	6.195		
20,500.00	7,001.00	16,848.00	7,073.89	342.72	270.18	-111.16	-6,482.25	-14,176.06	820.30	664.80	155.50	5.275		
20,600.00	7,001.00	16,848.00	7,073.89	345.29	270.18	-111.16	-6,482.25	-14,176.06	726.41	558.43	167.98	4.324		
20,700.00	7,001.00	16,848.00	7,073.89	347.86	270.18	-111.16	-6,482.25	-14,176.06	634.39	446.29	188.10	3.373		
20,800.00	7,001.00	16,848.00	7,073.89	350.43	270.18	-111.16	-6,482.25	-14,176.06	545.19	325.40	219.79	2.480		
20,900.00	7,001.00	16,848.00	7,073.89	353.00	270.18	-111.16	-6,482.25	-14,176.06	460.44	192.54	267.90	1.719		
21,000.00	7,001.00	16,848.00	7,073.89	355.58	270.18	-111.16	-6,482.25	-14,176.06	383.12	45.51	337.62	1.135 Level 2		
21,100.00	7,001.00	16,848.00	7,073.89	358.16	270.18	-111.16	-6,482.25	-14,176.06	318.69	-111.73	430.42	0.740 Level 1		
21,121.77	7,001.00	16,848.00	7,073.89	358.72	270.18	-111.16	-6,482.25	-14,176.06	307.19	-145.49	452.68	0.679 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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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 9 - STK1 - STK1		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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor						
11,200.00	7,001.00	16,811.00	7,075.38	139.38	264.78	-97.49	-6,832.17	-14,190.30	10,112.08	9,964.16	147.91	68.364						
11,300.00	7,001.00	16,811.00	7,075.38	140.65	264.78	-97.49	-6,832.17	-14,190.30	10,012.36	9,864.51	147.85	67.721						
11,400.00	7,001.00	16,811.00	7,075.38	141.95	264.78	-97.49	-6,832.17	-14,190.30	9,912.64	9,764.86	147.78	67.077						
11,500.00	7,001.00	16,811.00	7,075.38	143.29	264.78	-97.49	-6,832.17	-14,190.30	9,812.93	9,665.21	147.71	66.433						
11,600.00	7,001.00	16,811.00	7,075.38	144.66	264.78	-97.49	-6,832.17	-14,190.30	9,713.22	9,565.57	147.64	65.788						
11,700.00	7,001.00	16,811.00	7,075.38	146.06	264.78	-97.49	-6,832.17	-14,190.30	9,613.52	9,465.94	147.58	65.143						
11,800.00	7,001.00	16,811.00	7,075.38	147.50	264.78	-97.49	-6,832.17	-14,190.30	9,513.82	9,366.32	147.51	64.498						
11,900.00	7,001.00	16,811.00	7,075.38	148.97	264.78	-97.49	-6,832.17	-14,190.30	9,414.14	9,266.70	147.44	63.853						
12,000.00	7,001.00	16,811.00	7,075.38	150.47	264.78	-97.49	-6,832.17	-14,190.30	9,314.46	9,167.09	147.37	63.207						
12,100.00	7,001.00	16,811.00	7,075.38	152.00	264.78	-97.49	-6,832.17	-14,190.30	9,214.78	9,067.49	147.29	62.560						
12,200.00	7,001.00	16,811.00	7,075.38	153.57	264.78	-97.49	-6,832.17	-14,190.30	9,115.11	8,967.89	147.22	61.914						
12,300.00	7,001.00	16,811.00	7,075.38	155.16	264.78	-97.49	-6,832.17	-14,190.30	9,015.46	8,868.31	147.15	61.267						
12,400.00	7,001.00	16,811.00	7,075.38	156.79	264.78	-97.49	-6,832.17	-14,190.30	8,915.80	8,768.73	147.08	60.620						
12,500.00	7,001.00	16,811.00	7,075.38	158.44	264.78	-97.49	-6,832.17	-14,190.30	8,816.16	8,669.16	147.00	59.972						
12,600.00	7,001.00	16,811.00	7,075.38	160.13	264.78	-97.49	-6,832.17	-14,190.30	8,716.52	8,569.59	146.93	59.324						
12,700.00	7,001.00	16,811.00	7,075.38	161.84	264.78	-97.49	-6,832.17	-14,190.30	8,616.90	8,470.04	146.86	58.675						
12,800.00	7,001.00	16,811.00	7,075.38	163.58	264.78	-97.49	-6,832.17	-14,190.30	8,517.28	8,370.50	146.78	58.027						
12,900.00	7,001.00	16,811.00	7,075.38	165.35	264.78	-97.49	-6,832.17	-14,190.30	8,417.67	8,270.96	146.71	57.377						
13,000.00	7,001.00	16,811.00	7,075.38	167.14	264.78	-97.49	-6,832.17	-14,190.30	8,318.07	8,171.44	146.63	56.727						
13,100.00	7,001.00	16,811.00	7,075.38	168.97	264.78	-97.49	-6,832.17	-14,190.30	8,218.48	8,071.92	146.56	56.077						
13,200.00	7,001.00	16,811.00	7,075.38	170.81	264.78	-97.49	-6,832.17	-14,190.30	8,118.90	7,972.42	146.48	55.427						
13,300.00	7,001.00	16,811.00	7,075.38	172.68	264.78	-97.49	-6,832.17	-14,190.30	8,019.33	7,872.92	146.40	54.776						
13,400.00	7,001.00	16,811.00	7,075.38	174.58	264.78	-97.49	-6,832.17	-14,190.30	7,919.77	7,773.44	146.33	54.124						
13,500.00	7,001.00	16,811.00	7,075.38	176.50	264.78	-97.49	-6,832.17	-14,190.30	7,820.22	7,673.97	146.25	53.472						
13,600.00	7,001.00	16,811.00	7,075.38	178.44	264.78	-97.49	-6,832.17	-14,190.30	7,720.68	7,574.51	146.17	52.819						
13,700.00	7,001.00	16,811.00	7,075.38	180.41	264.78	-97.49	-6,832.17	-14,190.30	7,621.16	7,475.07	146.09	52.166						
13,800.00	7,001.00	16,811.00	7,075.38	182.39	264.78	-97.49	-6,832.17	-14,190.30	7,521.65	7,375.63	146.02	51.512						
13,900.00	7,001.00	16,811.00	7,075.38	184.40	264.78	-97.49	-6,832.17	-14,190.30	7,422.15	7,276.21	145.94	50.858						
14,000.00	7,001.00	16,811.00	7,075.38	186.43	264.78	-97.49	-6,832.17	-14,190.30	7,322.67	7,176.81	145.86	50.203						
14,100.00	7,001.00	16,811.00	7,075.38	188.48	264.78	-97.49	-6,832.17	-14,190.30	7,223.20	7,077.41	145.78	49.548						
14,200.00	7,001.00	16,811.00	7,075.38	190.54	264.78	-97.49	-6,832.17	-14,190.30	7,123.74	6,978.04	145.70	48.892						
14,300.00	7,001.00	16,811.00	7,075.38	192.63	264.78	-97.49	-6,832.17	-14,190.30	7,024.30	6,878.67	145.63	48.235						
14,400.00	7,001.00	16,811.00	7,075.38	194.73	264.78	-97.49	-6,832.17	-14,190.30	6,924.88	6,779.33	145.55	47.578						
14,500.00	7,001.00	16,811.00	7,075.38	196.85	264.78	-97.49	-6,832.17	-14,190.30	6,825.47	6,680.00	145.47	46.920						
14,600.00	7,001.00	16,811.00	7,075.38	198.99	264.78	-97.49	-6,832.17	-14,190.30	6,726.08	6,580.68	145.39	46.261						
14,700.00	7,001.00	16,811.00	7,075.38	201.14	264.78	-97.49	-6,832.17	-14,190.30	6,626.71	6,481.39	145.32	45.601						
14,800.00	7,001.00	16,811.00	7,075.38	203.31	264.78	-97.49	-6,832.17	-14,190.30	6,527.36	6,382.11	145.24	44.941						
14,900.00	7,001.00	16,811.00	7,075.38	205.50	264.78	-97.49	-6,832.17	-14,190.30	6,428.02	6,282.86	145.17	44.280						
15,000.00	7,001.00	16,811.00	7,075.38	207.70	264.78	-97.49	-6,832.17	-14,190.30	6,328.71	6,183.62	145.09	43.618						
15,100.00	7,001.00	16,811.00	7,075.38	209.91	264.78	-97.49	-6,832.17	-14,190.30	6,229.42	6,084.40	145.02	42.955						
15,200.00	7,001.00	16,811.00	7,075.38	212.14	264.78	-97.49	-6,832.17	-14,190.30	6,130.16	5,985.21	144.95	42.291						
15,300.00	7,001.00	16,811.00	7,075.38	214.38	264.78	-97.49	-6,832.17	-14,190.30	6,030.92	5,886.04	144.88	41.626						
15,400.00	7,001.00	16,811.00	7,075.38	216.64	264.78	-97.49	-6,832.17	-14,190.30	5,931.70	5,786.89	144.81	40.961						
15,500.00	7,001.00	16,811.00	7,075.38	218.90	264.78	-97.49	-6,832.17	-14,190.30	5,832.51	5,687.76	144.75	40.294						
15,600.00	7,001.00	16,811.00	7,075.38	221.18	264.78	-97.49	-6,832.17	-14,190.30	5,733.35	5,588.66	144.69	39.626						
15,700.00	7,001.00	16,811.00	7,075.38	223.47	264.78	-97.49	-6,832.17	-14,190.30	5,634.22	5,489.59	144.63	38.956						
15,800.00	7,001.00	16,811.00	7,075.38	225.78	264.78	-97.49	-6,832.17	-14,190.30	5,535.12	5,390.55	144.57	38.286						
15,900.00	7,001.00	16,811.00	7,075.38	228.09	264.78	-97.49	-6,832.17	-14,190.30	5,436.05	5,291.53	144.52	37.614						
16,000.00	7,001.00	16,811.00	7,075.38	230.41	264.78	-97.49	-6,832.17	-14,190.30	5,337.02	5,192.54	144.48	36.940						
16,100.00	7,001.00	16,811.00	7,075.38	232.75	264.78	-97.49	-6,832.17	-14,190.30	5,238.02	5,093.59	144.44	36.266						
16,200.00	7,001.00	16,811.00	7,075.38	235.09	264.78	-97.49	-6,832.17	-14,190.30	5,139.07	4,994.67	144.40	35.589						
16,300.00	7,001.00	16,811.00	7,075.38	237.45	264.78	-97.49	-6,832.17	-14,190.30	5,040.15	4,895.78	144.37	34.911						

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
16,400.00	7,001.00	16,811.00	7,075.38	239.81	264.78	-97.49	-6,832.17	-14,190.30	4,941.28	4,796.93	144.35	34.231		
16,500.00	7,001.00	16,811.00	7,075.38	242.18	264.78	-97.49	-6,832.17	-14,190.30	4,842.45	4,698.12	144.34	33.549		
16,600.00	7,001.00	16,811.00	7,075.38	244.56	264.78	-97.49	-6,832.17	-14,190.30	4,743.68	4,599.34	144.34	32.865		
16,700.00	7,001.00	16,811.00	7,075.38	246.95	264.78	-97.49	-6,832.17	-14,190.30	4,644.95	4,500.61	144.35	32.179		
16,800.00	7,001.00	16,811.00	7,075.38	249.35	264.78	-97.49	-6,832.17	-14,190.30	4,546.29	4,401.91	144.37	31.490		
16,900.00	7,001.00	16,811.00	7,075.38	251.75	264.78	-97.49	-6,832.17	-14,190.30	4,447.68	4,303.27	144.41	30.799		
17,000.00	7,001.00	16,811.00	7,075.38	254.17	264.78	-97.49	-6,832.17	-14,190.30	4,349.13	4,204.66	144.47	30.104		
17,100.00	7,001.00	16,811.00	7,075.38	256.59	264.78	-97.49	-6,832.17	-14,190.30	4,250.66	4,106.11	144.54	29.407		
17,200.00	7,001.00	16,811.00	7,075.38	259.01	264.78	-97.49	-6,832.17	-14,190.30	4,152.25	4,007.61	144.64	28.707		
17,300.00	7,001.00	16,811.00	7,075.38	261.45	264.78	-97.49	-6,832.17	-14,190.30	4,053.92	3,909.15	144.77	28.002		
17,400.00	7,001.00	16,811.00	7,075.38	263.89	264.78	-97.49	-6,832.17	-14,190.30	3,955.68	3,810.76	144.93	27.294		
17,500.00	7,001.00	16,811.00	7,075.38	266.34	264.78	-97.49	-6,832.17	-14,190.30	3,857.53	3,712.41	145.12	26.582		
17,600.00	7,001.00	16,811.00	7,075.38	268.79	264.78	-97.49	-6,832.17	-14,190.30	3,759.48	3,614.12	145.35	25.864		
17,700.00	7,001.00	16,811.00	7,075.38	271.25	264.78	-97.49	-6,832.17	-14,190.30	3,661.53	3,515.89	145.63	25.142		
17,800.00	7,001.00	16,811.00	7,075.38	273.72	264.78	-97.49	-6,832.17	-14,190.30	3,563.69	3,417.72	145.97	24.414		
17,900.00	7,001.00	16,811.00	7,075.38	276.19	264.78	-97.49	-6,832.17	-14,190.30	3,465.98	3,319.61	146.37	23.679		
18,000.00	7,001.00	16,811.00	7,075.38	278.67	264.78	-97.49	-6,832.17	-14,190.30	3,368.40	3,221.55	146.85	22.938		
18,100.00	7,001.00	16,811.00	7,075.38	281.15	264.78	-97.49	-6,832.17	-14,190.30	3,270.97	3,123.55	147.42	22.188		
18,200.00	7,001.00	16,811.00	7,075.38	283.64	264.78	-97.62	-6,832.17	-14,190.30	3,173.69	3,025.60	148.09	21.430		
18,300.00	7,001.00	16,811.00	7,075.38	286.15	264.78	-98.90	-6,832.17	-14,190.30	3,076.10	2,927.29	148.82	20.670		
18,400.00	7,001.00	16,811.00	7,075.38	288.68	264.78	-100.65	-6,832.17	-14,190.30	2,977.94	2,828.42	149.53	19.915		
18,500.00	7,001.00	16,811.00	7,075.38	291.24	264.78	-101.46	-6,832.17	-14,190.30	2,879.40	2,729.17	150.23	19.167		
18,600.00	7,001.00	16,811.00	7,075.38	293.80	264.78	-101.46	-6,832.17	-14,190.30	2,780.91	2,629.88	151.02	18.414		
18,700.00	7,001.00	16,811.00	7,075.38	296.36	264.78	-101.46	-6,832.17	-14,190.30	2,682.53	2,530.59	151.94	17.655		
18,800.00	7,001.00	16,811.00	7,075.38	298.93	264.78	-101.46	-6,832.17	-14,190.30	2,584.28	2,431.28	153.00	16.890		
18,900.00	7,001.00	16,811.00	7,075.38	301.50	264.78	-101.46	-6,832.17	-14,190.30	2,486.16	2,331.93	154.24	16.119		
19,000.00	7,001.00	16,811.00	7,075.38	304.07	264.78	-101.46	-6,832.17	-14,190.30	2,388.21	2,232.52	155.69	15.340		
19,100.00	7,001.00	16,811.00	7,075.38	306.65	264.78	-101.46	-6,832.17	-14,190.30	2,290.43	2,133.04	157.38	14.553		
19,200.00	7,001.00	16,811.00	7,075.38	309.23	264.78	-101.46	-6,832.17	-14,190.30	2,192.85	2,033.46	159.39	13.758		
19,300.00	7,001.00	16,811.00	7,075.38	311.81	264.78	-101.46	-6,832.17	-14,190.30	2,095.50	1,933.73	161.77	12.953		
19,400.00	7,001.00	16,811.00	7,075.38	314.39	264.78	-101.46	-6,832.17	-14,190.30	1,998.41	1,833.80	164.61	12.140		
19,500.00	7,001.00	16,811.00	7,075.38	316.97	264.78	-101.46	-6,832.17	-14,190.30	1,901.62	1,733.61	168.01	11.319		
19,600.00	7,001.00	16,811.00	7,075.38	319.56	264.78	-101.46	-6,832.17	-14,190.30	1,805.18	1,633.09	172.10	10.489		
19,700.00	7,001.00	16,811.00	7,075.38	322.15	264.78	-101.46	-6,832.17	-14,190.30	1,709.16	1,532.13	177.03	9.655		
19,800.00	7,001.00	16,811.00	7,075.38	324.74	264.78	-101.46	-6,832.17	-14,190.30	1,613.61	1,430.62	182.99	8.818		
19,900.00	7,001.00	16,811.00	7,075.38	327.33	264.78	-101.14	-6,832.17	-14,190.30	1,518.68	1,328.43	190.26	7.982		
20,000.00	7,001.00	16,811.00	7,075.38	329.92	264.78	-100.18	-6,832.17	-14,190.30	1,425.36	1,225.58	199.78	7.135		
20,100.00	7,001.00	16,811.00	7,075.38	332.49	264.78	-99.43	-6,832.17	-14,190.30	1,334.43	1,122.00	212.44	6.282		
20,200.00	7,001.00	16,811.00	7,075.38	335.04	264.78	-99.25	-6,832.17	-14,190.30	1,246.09	1,017.44	228.65	5.450		
20,300.00	7,001.00	16,811.00	7,075.38	337.60	264.78	-99.25	-6,832.17	-14,190.30	1,159.71	911.48	248.22	4.672		
20,400.00	7,001.00	16,811.00	7,075.38	340.16	264.78	-99.25	-6,832.17	-14,190.30	1,075.69	804.11	271.58	3.961		
20,500.00	7,001.00	16,811.00	7,075.38	342.72	264.78	-99.25	-6,832.17	-14,190.30	994.64	695.45	299.19	3.324		
20,600.00	7,001.00	16,811.00	7,075.38	345.29	264.78	-99.25	-6,832.17	-14,190.30	917.33	585.87	331.46	2.768		
20,700.00	7,001.00	16,811.00	7,075.38	347.86	264.78	-99.25	-6,832.17	-14,190.30	844.79	476.17	368.63	2.292		
20,800.00	7,001.00	16,811.00	7,075.38	350.43	264.78	-99.25	-6,832.17	-14,190.30	778.37	367.86	410.51	1.896		
20,900.00	7,001.00	16,811.00	7,075.38	353.00	264.78	-99.25	-6,832.17	-14,190.30	719.76	263.64	456.12	1.578		
21,000.00	7,001.00	16,811.00	7,075.38	355.58	264.78	-99.25	-6,832.17	-14,190.30	671.00	167.85	503.15	1.334 Level 3		
21,100.00	7,001.00	16,811.00	7,075.38	358.16	264.78	-99.25	-6,832.17	-14,190.30	634.37	86.73	547.64	1.158 Level 2		
21,121.77	7,001.00	16,811.00	7,075.38	358.72	264.78	-99.25	-6,832.17	-14,190.30	628.23	71.75	556.48	1.129 Level 2, CC, ES, SF		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
12,200.00	7,001.00	15,770.00	6,953.66	153.57	242.60	-88.05	-6,804.17	-15,181.31	10,100.79	9,960.05	140.74	71.770		
12,300.00	7,001.00	15,770.00	6,953.66	155.16	242.60	-88.05	-6,804.17	-15,181.31	10,001.04	9,860.39	140.66	71.103		
12,400.00	7,001.00	15,770.00	6,953.66	156.79	242.60	-88.05	-6,804.17	-15,181.31	9,901.30	9,760.73	140.57	70.436		
12,500.00	7,001.00	15,770.00	6,953.66	158.44	242.60	-88.05	-6,804.17	-15,181.31	9,801.56	9,661.08	140.49	69.769		
12,600.00	7,001.00	15,770.00	6,953.66	160.13	242.60	-88.05	-6,804.17	-15,181.31	9,701.83	9,561.43	140.40	69.102		
12,700.00	7,001.00	15,770.00	6,953.66	161.84	242.60	-88.05	-6,804.17	-15,181.31	9,602.11	9,461.79	140.31	68.434		
12,800.00	7,001.00	15,770.00	6,953.66	163.58	242.60	-88.05	-6,804.17	-15,181.31	9,502.39	9,362.16	140.22	67.766		
12,900.00	7,001.00	15,770.00	6,953.66	165.35	242.60	-88.05	-6,804.17	-15,181.31	9,402.67	9,262.54	140.14	67.097		
13,000.00	7,001.00	15,770.00	6,953.66	167.14	242.60	-88.05	-6,804.17	-15,181.31	9,302.97	9,162.92	140.05	66.428		
13,100.00	7,001.00	15,770.00	6,953.66	168.97	242.60	-88.05	-6,804.17	-15,181.31	9,203.27	9,063.31	139.96	65.759		
13,200.00	7,001.00	15,770.00	6,953.66	170.81	242.60	-88.05	-6,804.17	-15,181.31	9,103.57	8,963.71	139.86	65.089		
13,300.00	7,001.00	15,770.00	6,953.66	172.68	242.60	-88.05	-6,804.17	-15,181.31	9,003.88	8,864.11	139.77	64.419		
13,400.00	7,001.00	15,770.00	6,953.66	174.58	242.60	-88.05	-6,804.17	-15,181.31	8,904.20	8,764.52	139.68	63.748		
13,500.00	7,001.00	15,770.00	6,953.66	176.50	242.60	-88.05	-6,804.17	-15,181.31	8,804.53	8,664.95	139.58	63.077		
13,600.00	7,001.00	15,770.00	6,953.66	178.44	242.60	-88.05	-6,804.17	-15,181.31	8,704.86	8,565.37	139.49	62.406		
13,700.00	7,001.00	15,770.00	6,953.66	180.41	242.60	-88.05	-6,804.17	-15,181.31	8,605.20	8,465.81	139.39	61.734		
13,800.00	7,001.00	15,770.00	6,953.66	182.39	242.60	-88.05	-6,804.17	-15,181.31	8,505.55	8,366.26	139.29	61.062		
13,900.00	7,001.00	15,770.00	6,953.66	184.40	242.60	-88.05	-6,804.17	-15,181.31	8,405.91	8,266.72	139.20	60.389		
14,000.00	7,001.00	15,770.00	6,953.66	186.43	242.60	-88.05	-6,804.17	-15,181.31	8,306.28	8,167.18	139.10	59.715		
14,100.00	7,001.00	15,770.00	6,953.66	188.48	242.60	-88.05	-6,804.17	-15,181.31	8,206.65	8,067.66	139.00	59.042		
14,200.00	7,001.00	15,770.00	6,953.66	190.54	242.60	-88.05	-6,804.17	-15,181.31	8,107.04	7,968.14	138.90	58.367		
14,300.00	7,001.00	15,770.00	6,953.66	192.63	242.60	-88.05	-6,804.17	-15,181.31	8,007.43	7,868.64	138.80	57.692		
14,400.00	7,001.00	15,770.00	6,953.66	194.73	242.60	-88.05	-6,804.17	-15,181.31	7,907.84	7,769.15	138.69	57.017		
14,500.00	7,001.00	15,770.00	6,953.66	196.85	242.60	-88.05	-6,804.17	-15,181.31	7,808.25	7,669.66	138.59	56.341		
14,600.00	7,001.00	15,770.00	6,953.66	198.99	242.60	-88.05	-6,804.17	-15,181.31	7,708.68	7,570.19	138.49	55.664		
14,700.00	7,001.00	15,770.00	6,953.66	201.14	242.60	-88.05	-6,804.17	-15,181.31	7,609.11	7,470.73	138.38	54.987		
14,800.00	7,001.00	15,770.00	6,953.66	203.31	242.60	-88.05	-6,804.17	-15,181.31	7,509.56	7,371.29	138.27	54.309		
14,900.00	7,001.00	15,770.00	6,953.66	205.50	242.60	-88.05	-6,804.17	-15,181.31	7,410.02	7,271.86	138.17	53.631		
15,000.00	7,001.00	15,770.00	6,953.66	207.70	242.60	-88.05	-6,804.17	-15,181.31	7,310.50	7,172.44	138.06	52.952		
15,100.00	7,001.00	15,770.00	6,953.66	209.91	242.60	-88.05	-6,804.17	-15,181.31	7,210.98	7,073.03	137.95	52.272		
15,200.00	7,001.00	15,770.00	6,953.66	212.14	242.60	-88.05	-6,804.17	-15,181.31	7,111.48	6,973.64	137.84	51.591		
15,300.00	7,001.00	15,770.00	6,953.66	214.38	242.60	-88.05	-6,804.17	-15,181.31	7,012.00	6,874.26	137.73	50.910		
15,400.00	7,001.00	15,770.00	6,953.66	216.64	242.60	-88.05	-6,804.17	-15,181.31	6,912.52	6,774.90	137.62	50.227		
15,500.00	7,001.00	15,770.00	6,953.66	218.90	242.60	-88.05	-6,804.17	-15,181.31	6,813.07	6,675.55	137.51	49.544		
15,600.00	7,001.00	15,770.00	6,953.66	221.18	242.60	-88.05	-6,804.17	-15,181.31	6,713.63	6,576.22	137.40	48.860		
15,700.00	7,001.00	15,770.00	6,953.66	223.47	242.60	-88.05	-6,804.17	-15,181.31	6,614.21	6,476.91	137.29	48.175		
15,800.00	7,001.00	15,770.00	6,953.66	225.78	242.60	-88.05	-6,804.17	-15,181.31	6,514.80	6,377.62	137.18	47.490		
15,900.00	7,001.00	15,770.00	6,953.66	228.09	242.60	-88.05	-6,804.17	-15,181.31	6,415.41	6,278.34	137.07	46.803		
16,000.00	7,001.00	15,770.00	6,953.66	230.41	242.60	-88.05	-6,804.17	-15,181.31	6,316.05	6,179.08	136.96	46.115		
16,100.00	7,001.00	15,770.00	6,953.66	232.75	242.60	-88.05	-6,804.17	-15,181.31	6,216.70	6,079.85	136.85	45.426		
16,200.00	7,001.00	15,770.00	6,953.66	235.09	242.60	-88.05	-6,804.17	-15,181.31	6,117.37	5,980.63	136.75	44.735		
16,300.00	7,001.00	15,770.00	6,953.66	237.45	242.60	-88.05	-6,804.17	-15,181.31	6,018.07	5,881.43	136.64	44.044		
16,400.00	7,001.00	15,770.00	6,953.66	239.81	242.60	-88.05	-6,804.17	-15,181.31	5,918.79	5,782.26	136.53	43.351		
16,500.00	7,001.00	15,770.00	6,953.66	242.18	242.60	-88.05	-6,804.17	-15,181.31	5,819.53	5,683.11	136.43	42.657		
16,600.00	7,001.00	15,770.00	6,953.66	244.56	242.60	-88.05	-6,804.17	-15,181.31	5,720.31	5,583.98	136.32	41.961		
16,700.00	7,001.00	15,770.00	6,953.66	246.95	242.60	-88.05	-6,804.17	-15,181.31	5,621.10	5,484.88	136.22	41.264		
16,800.00	7,001.00	15,770.00	6,953.66	249.35	242.60	-88.05	-6,804.17	-15,181.31	5,521.93	5,385.81	136.12	40.565		
16,900.00	7,001.00	15,770.00	6,953.66	251.75	242.60	-88.05	-6,804.17	-15,181.31	5,422.79	5,286.76	136.03	39.865		
17,000.00	7,001.00	15,770.00	6,953.66	254.17	242.60	-88.05	-6,804.17	-15,181.31	5,323.68	5,187.74	135.94	39.162		
17,100.00	7,001.00	15,770.00	6,953.66	256.59	242.60	-88.05	-6,804.17	-15,181.31	5,224.60	5,088.75	135.85	38.458		
17,200.00	7,001.00	15,770.00	6,953.66	259.01	242.60	-88.05	-6,804.17	-15,181.31	5,125.56	4,989.79	135.77	37.751		
17,300.00	7,001.00	15,770.00	6,953.66	261.45	242.60	-88.05	-6,804.17	-15,181.31	5,026.55	4,890.86	135.70	37.043		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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		
17,400.00	7,001.00	15,770.00	6,953.66	263.89	242.60	-88.05	-6,804.17	-15,181.31	4,927.59	4,791.96	135.63	36.331		
17,500.00	7,001.00	15,770.00	6,953.66	266.34	242.60	-88.05	-6,804.17	-15,181.31	4,828.67	4,693.10	135.57	35.617		
17,600.00	7,001.00	15,770.00	6,953.66	268.79	242.60	-88.05	-6,804.17	-15,181.31	4,729.80	4,594.28	135.52	34.901		
17,700.00	7,001.00	15,770.00	6,953.66	271.25	242.60	-88.05	-6,804.17	-15,181.31	4,630.97	4,495.49	135.48	34.181		
17,800.00	7,001.00	15,770.00	6,953.66	273.72	242.60	-88.05	-6,804.17	-15,181.31	4,532.20	4,396.74	135.46	33.458		
17,900.00	7,001.00	15,770.00	6,953.66	276.19	242.60	-88.05	-6,804.17	-15,181.31	4,433.48	4,298.02	135.45	32.731		
18,000.00	7,001.00	15,770.00	6,953.66	278.67	242.60	-88.05	-6,804.17	-15,181.31	4,334.81	4,199.35	135.46	32.001		
18,100.00	7,001.00	15,770.00	6,953.66	281.15	242.60	-88.05	-6,804.17	-15,181.31	4,236.22	4,100.73	135.49	31.266		
18,200.00	7,001.00	15,770.00	6,953.66	283.64	242.60	-88.00	-6,804.17	-15,181.31	4,137.68	4,002.14	135.54	30.526		
18,300.00	7,001.00	15,770.00	6,953.66	286.15	242.60	-87.50	-6,804.17	-15,181.31	4,038.87	3,903.25	135.62	29.781		
18,400.00	7,001.00	15,770.00	6,953.66	288.68	242.60	-86.67	-6,804.17	-15,181.31	3,939.62	3,803.92	135.70	29.031		
18,500.00	7,001.00	15,770.00	6,953.66	291.24	242.60	-86.21	-6,804.17	-15,181.31	3,840.09	3,704.31	135.79	28.280		
18,600.00	7,001.00	15,770.00	6,953.66	293.80	242.60	-86.21	-6,804.17	-15,181.31	3,740.57	3,604.68	135.89	27.527		
18,700.00	7,001.00	15,770.00	6,953.66	296.36	242.60	-86.21	-6,804.17	-15,181.31	3,641.07	3,505.07	136.00	26.773		
18,800.00	7,001.00	15,770.00	6,953.66	298.93	242.60	-86.21	-6,804.17	-15,181.31	3,541.60	3,405.47	136.13	26.017		
18,900.00	7,001.00	15,770.00	6,953.66	301.50	242.60	-86.21	-6,804.17	-15,181.31	3,442.15	3,305.88	136.28	25.258		
19,000.00	7,001.00	15,770.00	6,953.66	304.07	242.60	-86.21	-6,804.17	-15,181.31	3,342.75	3,206.30	136.45	24.498		
19,100.00	7,001.00	15,770.00	6,953.66	306.65	242.60	-86.21	-6,804.17	-15,181.31	3,243.37	3,106.72	136.65	23.735		
19,200.00	7,001.00	15,770.00	6,953.66	309.23	242.60	-86.21	-6,804.17	-15,181.31	3,144.04	3,007.16	136.88	22.969		
19,300.00	7,001.00	15,770.00	6,953.66	311.81	242.60	-86.21	-6,804.17	-15,181.31	3,044.75	2,907.60	137.15	22.200		
19,400.00	7,001.00	15,770.00	6,953.66	314.39	242.60	-86.21	-6,804.17	-15,181.31	2,945.52	2,808.05	137.46	21.427		
19,500.00	7,001.00	15,770.00	6,953.66	316.97	242.60	-86.21	-6,804.17	-15,181.31	2,846.33	2,708.50	137.83	20.651		
19,600.00	7,001.00	15,770.00	6,953.66	319.56	242.60	-86.21	-6,804.17	-15,181.31	2,747.20	2,608.95	138.26	19.870		
19,700.00	7,001.00	15,770.00	6,953.66	322.15	242.60	-86.21	-6,804.17	-15,181.31	2,648.14	2,509.38	138.76	19.085		
19,800.00	7,001.00	15,770.00	6,953.66	324.74	242.60	-86.21	-6,804.17	-15,181.31	2,549.15	2,409.81	139.34	18.294		
19,900.00	7,001.00	15,770.00	6,953.66	327.33	242.60	-86.44	-6,804.17	-15,181.31	2,450.26	2,310.22	140.05	17.496		
20,000.00	7,001.00	15,770.00	6,953.66	329.92	242.60	-87.06	-6,804.17	-15,181.31	2,351.92	2,210.90	141.02	16.678		
20,100.00	7,001.00	15,770.00	6,953.66	332.49	242.60	-87.48	-6,804.17	-15,181.31	2,254.46	2,112.03	142.42	15.829		
20,200.00	7,001.00	15,770.00	6,953.66	335.04	242.60	-87.57	-6,804.17	-15,181.31	2,157.87	2,013.51	144.36	14.948		
20,300.00	7,001.00	15,770.00	6,953.66	337.60	242.60	-87.57	-6,804.17	-15,181.31	2,061.64	1,914.83	146.80	14.043		
20,400.00	7,001.00	15,770.00	6,953.66	340.16	242.60	-87.57	-6,804.17	-15,181.31	1,965.79	1,815.91	149.87	13.116		
20,500.00	7,001.00	15,770.00	6,953.66	342.72	242.60	-87.57	-6,804.17	-15,181.31	1,870.37	1,716.65	153.72	12.167		
20,600.00	7,001.00	15,770.00	6,953.66	345.29	242.60	-87.57	-6,804.17	-15,181.31	1,775.46	1,616.92	158.54	11.199		
20,700.00	7,001.00	15,770.00	6,953.66	347.86	242.60	-87.57	-6,804.17	-15,181.31	1,681.14	1,516.59	164.55	10.217		
20,800.00	7,001.00	15,770.00	6,953.66	350.43	242.60	-87.57	-6,804.17	-15,181.31	1,587.51	1,415.50	172.01	9.229		
20,900.00	7,001.00	15,770.00	6,953.66	353.00	242.60	-87.57	-6,804.17	-15,181.31	1,494.71	1,313.48	181.24	8.247		
21,000.00	7,001.00	15,770.00	6,953.66	355.58	242.60	-87.57	-6,804.17	-15,181.31	1,402.90	1,210.33	192.57	7.285		
21,100.00	7,001.00	15,770.00	6,953.66	358.16	242.60	-87.57	-6,804.17	-15,181.31	1,312.29	1,105.89	206.40	6.358		
21,121.77	7,001.00	15,770.00	6,953.66	358.72	242.60	-87.57	-6,804.17	-15,181.31	1,292.74	1,082.97	209.78	6.162	CC, ES, SF	

Civitas Resources

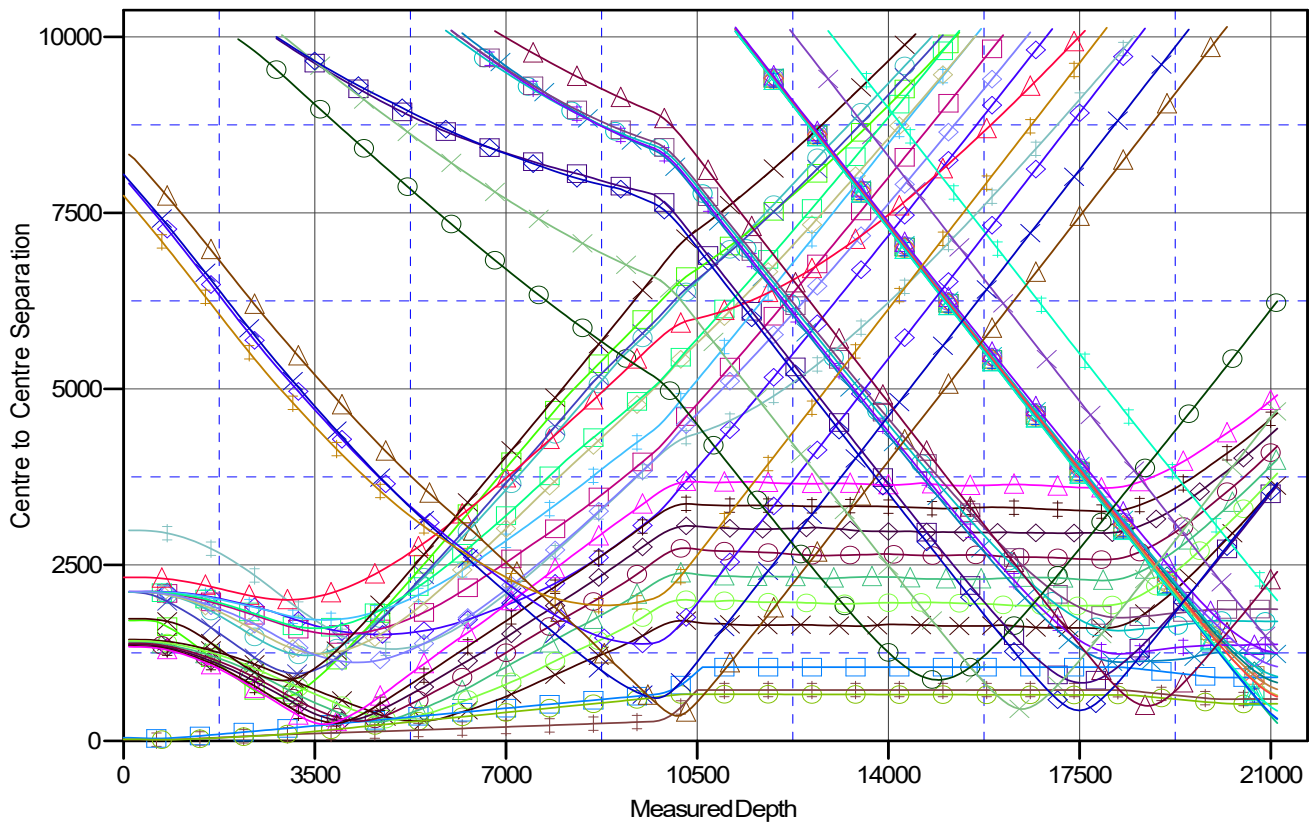
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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' @ 4922.00usft
Offset Depths are relative to Offset Datum
Central Meridian is 105.500000°W

Coordinates are relative to: MAVERICK 2W-20-02
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, STK1STK1V0
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	EXIST HZ SCHNBDR 34-36, Wellbore #1, Wellbore #1 V0	VARRA 12, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 17-1, Wellbore #1, Wellbore #1 V0	ICE MAN 2W45-1C, ORIGINAL WELBORE, WB #1 - PATT 93 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 34 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, STK1STK1V0	SIMONSEN 1421, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDR 1-1, Wellbore #1, Wellbore #1 V0	MICKEY 11, ORIGINAL WELBORE, WB #1 - Patterson 36 V0	SIMONSEN 1Q241, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-6N, ORIGINAL WELBORE, WB #1 - PATT 93 V0	VARRA 10, Wellbore #1, Wellbore #1 V0	EXIST HZ BOWER 15-3, Wellbore #1, Wellbore #1 V0
MAVERICK 2W20-03, OWB, PROPOSAL 1 V0	MICKEY 12, ORIGINAL WELBORE, WB #1 - Patterson 34 V0	ABND VERT BOWER 1-3, Wellbore #1, Design #1 V0
MAVERICK 2W20-04, 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

Civitas Resources

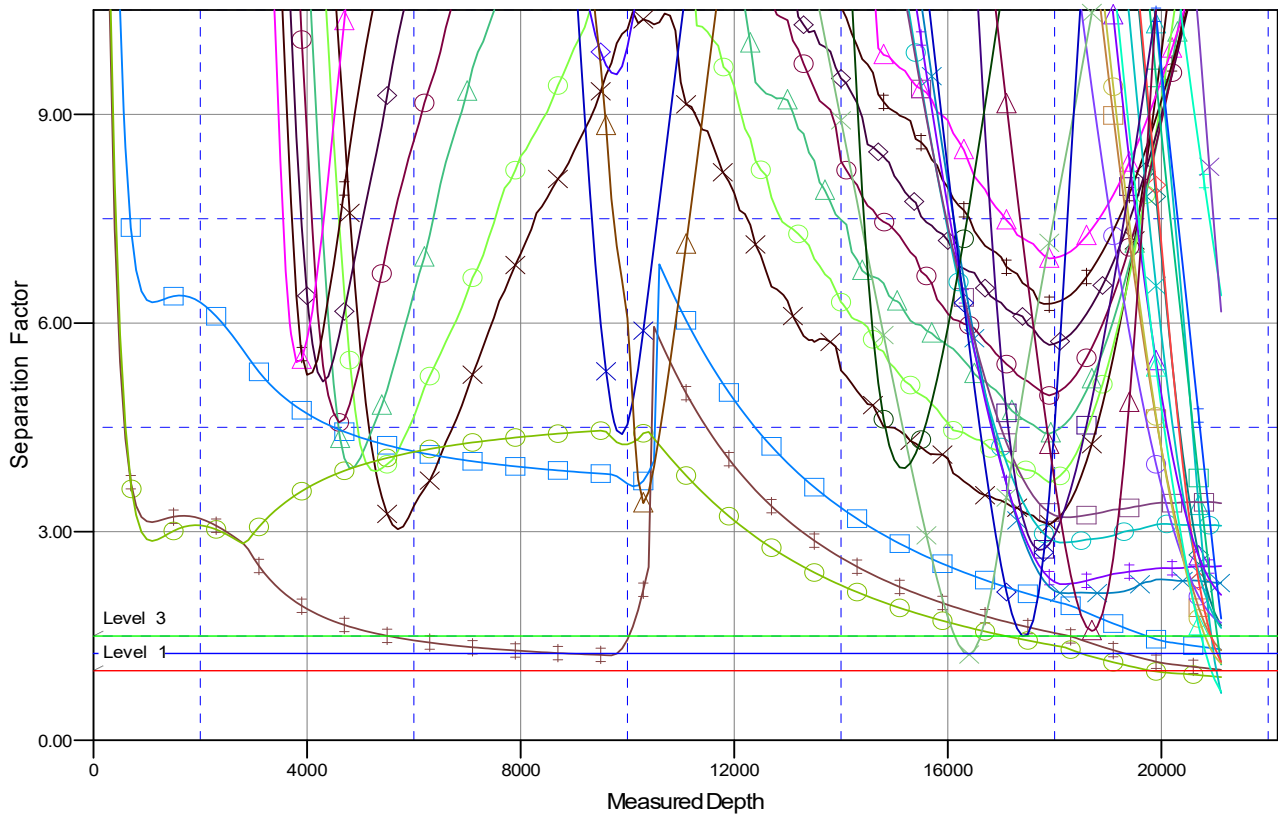
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	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' @ 4922.00usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 105.500000°W

Coordinates are relative to: MAVERICK 2W-20-02
 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	ICE MAN 2W45-4N, ORIGINAL WELLBORE, 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, STK1STK1 V0
EXIST HZ BALDRIDGE 7-1, Wellbore #1, Wellbore #1 V0	ICE MAN 2W45-2N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0	VARRA 9, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDR 20-36, Wellbore #1, Wellbore #1 V0	EXIST HZ SCHNBDR 34-36, Wellbore #1, Wellbore #1 V0	VARRA 12, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 17-1, Wellbore #1, Wellbore #1 V0	ICE MAN 2W45-1C, ORIGINAL WELLBORE, WB #1 - PATT 93 V0	VARRA 7, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-7N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0	MICKEY 13, ORIGINAL WELLBORE, WB #1 - Patterson 36 V0	VARRA 5, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-6C, ORIGINAL WELLBORE, 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	MICKEY 11, ORIGINAL WELLBORE, WB #1 - Patterson 36 V0	SIMONSEN 1421, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 1-1, Wellbore #1, Wellbore #1 V0	VARRA 10, Wellbore #1, Wellbore #1 V0	SIMONSEN 1Q241, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-6N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0	MICKEY 12, ORIGINAL WELLBORE, WB #1 - Patterson 36 V0	EXIST HZ BOWER 15-3, Wellbore #1, Wellbore #1 V0
MAVERICK 2W20-03, OWB, PROPOSAL 1 V0	VARRA 6, Wellbore #1, Wellbore #1 V0	ABND VERT BOWER 1-3, Wellbore #1, Design #1 V0
MAVERICK 2W20-04, OWB, PROPOSAL 1 V0	ICE MAN 2W45-3N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0	ABND VERT MOSER 1-2, Wellbore #1, Design #1 V0
ICE MAN 2W45-3N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0	MAVERICK 2W20-01, OWB, PROPOSAL 1 V0	EXIST HZ BOWER 10-3, Wellbore #1, Wellbore #1 V0
		ABND VERT OCHSNER 1-3, Wellbore #1, Design #1 V0