

EXTRACTION OIL & GAS

WELD COUNTY

Sec 36-T7N-R67W

MAVERICK 2W-20-01

OWB

PROPOSAL 1

Anticollision Report

29 March, 2024

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	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	3/29/2024		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	20,540.60	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	9,780.90	9,860.34	259.44	131.97	2.035	CC
SIMONSEN 11-421 - Wellbore #1 - Wellbore #1	9,800.00	9,850.18	260.23	128.10	1.970	ES
SIMONSEN 11-421 - Wellbore #1 - Wellbore #1	9,900.00	9,790.00	287.15	136.00	1.900	SF
SIMONSEN 1L-241 - Wellbore #1 - Wellbore #1	9,257.96	9,980.05	790.80	646.47	5.479	CC
SIMONSEN 1L-241 - Wellbore #1 - Wellbore #1	9,300.00	9,958.82	791.60	645.23	5.408	ES
SIMONSEN 1L-241 - Wellbore #1 - Wellbore #1	9,500.00	9,819.94	812.57	657.75	5.248	SF
SIMONSEN 1L-421 - Wellbore #1 - Wellbore #1	8,869.53	10,115.66	1,512.34	1,374.81	10.997	CC
SIMONSEN 1L-421 - Wellbore #1 - Wellbore #1	8,900.00	10,101.73	1,512.56	1,374.12	10.926	ES
SIMONSEN 1L-421 - Wellbore #1 - Wellbore #1	9,300.00	9,858.08	1,550.40	1,401.90	10.441	SF
SIMONSEN 1Q-241 - Wellbore #1 - Wellbore #1	8,243.14	10,350.09	2,054.88	1,918.56	15.074	CC
SIMONSEN 1Q-241 - Wellbore #1 - Wellbore #1	8,300.00	10,332.00	2,055.48	1,917.89	14.940	ES
SIMONSEN 1Q-241 - Wellbore #1 - Wellbore #1	8,800.00	10,053.31	2,108.04	1,961.03	14.340	SF
Sec 36-T7N-R67W						
ABND VERT LIND 36-32 - Wellbore #1 - Design #1	3,318.02	2,881.78	1,873.32	1,836.73	51.192	CC
ABND VERT LIND 36-32 - Wellbore #1 - Design #1	3,400.00	2,935.85	1,874.34	1,836.42	49.439	ES
ABND VERT LIND 36-32 - Wellbore #1 - Design #1	4,700.00	3,793.25	2,142.06	2,087.67	39.384	SF
ABND VERT LIND 36-33 - Wellbore #1 - Design #1	5,240.26	4,123.58	1,038.72	970.62	15.253	CC, ES
ABND VERT LIND 36-33 - Wellbore #1 - Design #1	5,500.00	4,294.89	1,056.91	985.39	14.777	SF
EXIST HZ BALDRIDGE 17-1 - Wellbore #1 - Wellbore #1	3,696.67	2,575.70	1,726.78	1,688.10	44.637	CC
EXIST HZ BALDRIDGE 17-1 - Wellbore #1 - Wellbore #1	3,800.00	2,655.40	1,728.01	1,687.26	42.412	ES
EXIST HZ BALDRIDGE 17-1 - Wellbore #1 - Wellbore #1	5,500.00	3,968.84	2,090.95	2,017.16	28.340	SF
EXIST HZ BALDRIDGE 2-1 - Wellbore #1 - Wellbore #1	4,192.14	3,242.71	1,346.92	1,296.51	26.717	CC
EXIST HZ BALDRIDGE 2-1 - Wellbore #1 - Wellbore #1	4,300.00	3,323.63	1,348.79	1,296.21	25.652	ES
EXIST HZ BALDRIDGE 2-1 - Wellbore #1 - Wellbore #1	5,400.00	4,193.45	1,554.59	1,484.14	22.069	SF
EXIST HZ BALDRIDGE 7-1 - Wellbore #1 - Wellbore #1	4,175.58	2,882.17	1,782.45	1,734.83	37.430	CC
EXIST HZ BALDRIDGE 7-1 - Wellbore #1 - Wellbore #1	4,400.00	3,081.51	1,786.16	1,733.28	33.778	ES
EXIST HZ BALDRIDGE 7-1 - Wellbore #1 - Wellbore #1	7,500.00	5,974.18	2,411.63	2,288.59	19.602	SF
EXIST HZ BALDRIDGE 8-1 - Wellbore #1 - Wellbore #1	3,333.03	2,101.95	1,905.30	1,874.43	61.713	CC
EXIST HZ BALDRIDGE 8-1 - Wellbore #1 - Wellbore #1	3,400.00	2,143.00	1,906.07	1,874.09	59.595	ES
EXIST HZ BALDRIDGE 8-1 - Wellbore #1 - Wellbore #1	9,200.00	6,998.76	4,381.64	4,243.79	31.786	SF
EXIST HZ SCHNEIDER 16-36 - Wellbore #1 - Wellbore #	3,259.95	2,575.87	1,376.92	1,341.49	38.868	CC
EXIST HZ SCHNEIDER 16-36 - Wellbore #1 - Wellbore #	3,300.00	2,589.97	1,377.41	1,341.40	38.242	ES
EXIST HZ SCHNEIDER 16-36 - Wellbore #1 - Wellbore #	3,900.00	2,855.33	1,495.58	1,452.21	34.483	SF
EXIST HZ SCHNEIDER 20-36 - Wellbore #1 - Wellbore #	3,140.80	2,759.64	1,094.61	1,056.80	28.950	CC, ES
EXIST HZ SCHNEIDER 20-36 - Wellbore #1 - Wellbore #	3,500.00	2,905.66	1,143.46	1,101.14	27.017	SF
EXIST HZ SCHNEIDER 33-36 - Wellbore #1 - Wellbore #	2,849.00	2,737.33	703.31	669.97	21.096	CC, ES

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	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 33-36 - Wellbore #1 - Wellbore #	3,000.00	2,806.35	716.16	680.87	20.291	SF
EXIST HZ SCHNEIDER 34-36 - Wellbore #1 - Wellbore #	2,876.11	2,539.19	979.73	948.32	31.194	CC
EXIST HZ SCHNEIDER 34-36 - Wellbore #1 - Wellbore #	2,900.00	2,545.04	979.95	948.20	30.872	ES
EXIST HZ SCHNEIDER 34-36 - Wellbore #1 - Wellbore #	3,100.00	2,600.00	1,002.87	968.75	29.387	SF
EXIST HZ SCHNEIDER 37-36 - Wellbore #1 - Wellbore #	3,520.04	2,755.49	1,420.68	1,381.92	36.651	CC, ES
EXIST HZ SCHNEIDER 37-36 - Wellbore #1 - Wellbore #	4,400.00	3,363.87	1,575.61	1,524.04	30.551	SF
ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 -	4,049.18	3,465.52	169.64	124.58	3.765	CC
ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 -	4,100.00	3,512.27	171.36	122.40	3.500	ES
ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 -	4,200.00	3,602.08	182.28	126.92	3.293	SF
ICE MAN 2W-15-2N - ORIGINAL WELLBORE - WB #1 -	4,257.46	3,637.76	188.47	141.34	3.999	CC
ICE MAN 2W-15-2N - ORIGINAL WELLBORE - WB #1 -	4,300.00	3,674.38	189.66	139.37	3.771	ES
ICE MAN 2W-15-2N - ORIGINAL WELLBORE - WB #1 -	4,500.00	3,856.72	216.06	152.83	3.417	SF
ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 -	4,549.79	3,892.19	197.83	141.85	3.534	CC
ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 -	4,600.00	3,936.03	199.15	139.48	3.337	ES
ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 -	4,800.00	4,118.35	224.91	153.29	3.140	SF
ICE MAN 2W-15-4N - ORIGINAL WELLBORE - WB #1 -	4,914.42	4,206.84	201.41	140.13	3.287	CC
ICE MAN 2W-15-4N - ORIGINAL WELLBORE - WB #1 -	5,000.00	4,286.71	204.07	135.67	2.983	ES
ICE MAN 2W-15-4N - ORIGINAL WELLBORE - WB #1 -	5,200.00	4,478.76	226.28	144.21	2.757	SF
ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 -	5,485.70	4,741.18	181.35	98.50	2.189	CC
ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 -	5,600.00	4,844.55	186.43	94.79	2.034	ES, SF
ICE MAN 2W-15-6N - ORIGINAL WELLBORE - WB #1 -	5,957.81	5,156.36	189.35	103.40	2.203	CC
ICE MAN 2W-15-6N - ORIGINAL WELLBORE - WB #1 -	6,100.00	5,285.87	198.87	101.44	2.041	ES
ICE MAN 2W-15-6N - ORIGINAL WELLBORE - WB #1 -	6,300.00	5,483.78	220.65	110.14	1.997	SF
ICE MAN 2W-15-7N - ORIGINAL WELLBORE - WB #1 -	6,666.29	5,826.72	143.54	33.51	1.305	Level 3, CC
ICE MAN 2W-15-7N - ORIGINAL WELLBORE - WB #1 -	6,800.00	5,953.38	148.28	25.36	1.206	Level 2, ES, SF
MAVERICK 2W-20-02 - OWB - PROPOSAL 1	731.87	733.12	17.10	12.06	3.395	CC
MAVERICK 2W-20-02 - OWB - PROPOSAL 1	20,540.60	20,683.43	529.53	-41.72	0.927	Level 1, ES, SF
MAVERICK 2W-20-03 - OWB - PROPOSAL 1	676.14	678.56	34.44	29.75	7.347	CC
MAVERICK 2W-20-03 - OWB - PROPOSAL 1	700.00	702.38	34.49	29.61	7.077	ES
MAVERICK 2W-20-03 - OWB - PROPOSAL 1	20,540.60	21,297.96	925.04	247.78	1.366	Level 3, SF
MAVERICK 2W-20-04 - OWB - PROPOSAL 1	635.20	637.84	51.82	47.33	11.546	CC, ES
MAVERICK 2W-20-04 - OWB - PROPOSAL 1	20,540.60	21,369.95	1,362.59	696.49	2.046	SF
Sec 3-T6N-R67W						
ABND VERT BOWER 1-3 - Wellbore #1 - Design #1	16,045.84	7,352.00	119.27	-247.26	0.325	Level 1, CC, SF
ABND VERT BOWER 1-3 - Wellbore #1 - Design #1	16,100.00	7,352.00	130.99	-254.83	0.340	Level 1, ES
ABND VERT MOSIER 1-2 - Wellbore #1 - Design #1	14,509.07	7,293.00	1,442.68	1,238.03	7.050	CC
ABND VERT MOSIER 1-2 - Wellbore #1 - Design #1	14,600.00	7,293.00	1,445.54	1,233.30	6.811	ES
ABND VERT MOSIER 1-2 - Wellbore #1 - Design #1	15,000.00	7,293.00	1,523.92	1,287.37	6.442	SF
ABND VERT OCHSNER 1-3 - Wellbore #1 - Design #1	18,396.62	7,330.00	48.13	-270.47	0.151	Level 1, CC
ABND VERT OCHSNER 1-3 - Wellbore #1 - Design #1	18,400.00	7,330.00	48.25	-272.62	0.150	Level 1, ES, SF
EXIST HZ BOWER 10-3 - Wellbore #1 - Wellbore #1	17,088.02	7,535.68	141.52	-141.56	0.500	Level 1, CC
EXIST HZ BOWER 10-3 - Wellbore #1 - Wellbore #1	17,100.00	7,535.46	142.02	-147.85	0.490	Level 1, ES, SF
EXIST HZ BOWER 15-3 - Wellbore #1 - Wellbore #1	17,150.71	7,752.97	1,398.23	1,112.26	4.889	CC
EXIST HZ BOWER 15-3 - Wellbore #1 - Wellbore #1	17,300.00	7,753.87	1,406.18	1,106.84	4.698	ES
EXIST HZ BOWER 15-3 - Wellbore #1 - Wellbore #1	17,500.00	7,746.51	1,441.25	1,128.84	4.613	SF

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Civitas Resources

Anticollision Report

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Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	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	17,870.79	17,393.48	1,158.01	609.20	2.110	CC, ES, SF
MICKEY 11 - ORIGINAL WELLBORE - WB # 1 - Patters	17,700.00	17,312.00	1,039.49	507.42	1.954	SF
MICKEY 11 - ORIGINAL WELLBORE - WB # 1 - Patters	17,800.00	17,312.00	1,033.55	504.71	1.954	ES
MICKEY 11 - ORIGINAL WELLBORE - WB # 1 - Patters	17,804.77	17,312.00	1,033.53	504.97	1.955	CC
MICKEY 12 - ORIGINAL WELLBORE - WB #1 - Patterso	17,800.00	17,365.00	704.19	186.27	1.360	Level 3, ES, SF
MICKEY 12 - ORIGINAL WELLBORE - WB #1 - Patterso	17,808.05	17,365.00	704.13	186.95	1.361	Level 3, CC
MICKEY 13 - ORIGINAL WELLBORE - WB #1 - Patterso	17,864.55	17,395.41	492.98	-55.89	0.898	Level 1, CC, ES, SF
VARRA 10 - Wellbore #1 - Wellbore #1	20,540.60	17,140.00	1,173.31	623.86	2.135	CC, ES, SF
VARRA 11 - Wellbore #1 - Wellbore #1	20,540.60	16,920.00	1,332.62	768.58	2.363	CC, ES, SF
VARRA 12 - Wellbore #1 - Wellbore #1	20,540.60	17,070.00	1,684.87	1,105.74	2.909	CC, ES, SF
VARRA 2 - Wellbore #1 - Wellbore #1	20,540.60	16,991.00	784.87	251.54	1.472	Level 3, CC, ES, SF
VARRA 3 - STK1 - STK1	20,540.60	16,815.00	617.51	275.42	1.805	CC, ES, SF
VARRA 3 - Wellbore #1 - Wellbore #1	20,540.60	15,135.00	2,119.68	1,915.09	10.360	CC, ES, SF
VARRA 4 - Wellbore #1 - Wellbore #1	20,540.60	17,130.00	397.08	47.39	1.136	Level 2, CC, ES, SF
VARRA 5 - Wellbore #1 - Wellbore #1	20,540.60	16,905.00	463.55	285.17	2.599	CC, ES, SF
VARRA 6 - Wellbore #1 - Wellbore #1	20,540.60	17,004.00	570.43	214.75	1.604	CC, ES, SF
VARRA 7 - Wellbore #1 - Wellbore #1	20,540.60	17,100.00	592.83	160.10	1.370	Level 3, CC, ES, SF
VARRA 8 - Wellbore #1 - Wellbore #1	20,540.60	16,848.00	787.22	301.35	1.620	CC, ES, SF
VARRA 9 - STK1 - STK1	20,540.60	16,811.00	1,104.32	572.39	2.076	CC, ES, SF
VARRA 9 - Wellbore #1 - Wellbore #1	20,540.60	15,770.00	1,713.65	1,428.09	6.001	CC, ES, SF

Offset Design

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	40.14	40.14	0.27	0.06	-160.33	-7,833.56	-2,799.77	8,318.86	8,318.52	0.33	N/A		
200.00	200.00	12,310.00	7,272.34	0.63	95.75	-133.71	-2,875.44	-3,007.70	8,256.53	8,202.90	53.64	153.931		
300.00	300.00	12,310.00	7,272.34	0.99	95.75	-133.71	-2,875.44	-3,007.70	8,170.32	8,116.46	53.86	151.693		
400.00	400.00	12,310.00	7,272.34	1.34	95.75	-133.71	-2,875.44	-3,007.70	8,084.42	8,030.31	54.11	149.408		
500.00	499.98	12,310.00	7,272.34	1.69	95.75	16.66	-2,875.44	-3,007.70	7,997.99	7,943.60	54.39	147.041		
600.00	599.84	12,310.00	7,272.34	2.03	95.75	17.74	-2,875.44	-3,007.70	7,910.22	7,855.52	54.70	144.608		
700.00	699.45	12,310.00	7,272.34	2.38	95.75	18.97	-2,875.44	-3,007.70	7,821.18	7,766.16	55.02	142.162		
800.00	798.70	12,310.00	7,272.34	2.75	95.75	20.38	-2,875.44	-3,007.70	7,730.92	7,675.59	55.33	139.713		
900.00	897.47	12,310.00	7,272.34	3.15	95.75	22.01	-2,875.44	-3,007.70	7,639.52	7,583.87	55.65	137.266		
1,000.00	995.62	12,310.00	7,272.34	3.58	95.75	23.91	-2,875.44	-3,007.70	7,547.05	7,491.08	55.98	134.828		
1,100.00	1,093.06	12,310.00	7,272.34	4.04	95.75	26.13	-2,875.44	-3,007.70	7,453.59	7,397.30	56.30	132.401		
1,200.00	1,189.64	12,310.00	7,272.34	4.54	95.75	28.76	-2,875.44	-3,007.70	7,359.21	7,302.60	56.61	129.991		
1,300.00	1,285.27	12,310.00	7,272.34	5.08	95.75	31.91	-2,875.44	-3,007.70	7,264.00	7,207.07	56.93	127.599		
1,400.00	1,379.82	12,310.00	7,272.34	5.67	95.75	35.71	-2,875.44	-3,007.70	7,168.03	7,110.79	57.24	125.227		
1,500.00	1,473.17	12,310.00	7,272.34	6.30	95.75	40.33	-2,875.44	-3,007.70	7,071.41	7,013.86	57.55	122.879		
1,600.00	1,565.21	12,310.00	7,272.34	6.99	95.75	45.98	-2,875.44	-3,007.70	6,974.21	6,916.36	57.85	120.555		
1,700.00	1,655.84	12,310.00	7,272.34	7.73	95.75	52.89	-2,875.44	-3,007.70	6,876.54	6,818.39	58.15	118.257		
1,800.00	1,744.94	12,310.00	7,272.34	8.52	95.75	61.23	-2,875.44	-3,007.70	6,778.51	6,720.06	58.44	115.986		
1,900.00	1,832.39	12,310.00	7,272.34	9.37	95.75	71.02	-2,875.44	-3,007.70	6,680.20	6,621.47	58.73	113.743		
2,000.00	1,918.11	12,310.00	7,272.34	10.27	95.75	81.94	-2,875.44	-3,007.70	6,581.75	6,522.73	59.01	111.528		
2,100.00	2,001.97	12,310.00	7,272.34	11.22	95.75	93.31	-2,875.44	-3,007.70	6,483.25	6,423.96	59.29	109.341		
2,200.00	2,083.88	12,310.00	7,272.34	12.23	95.75	104.26	-2,875.44	-3,007.70	6,384.84	6,325.27	59.57	107.183		
2,300.00	2,163.74	12,310.00	7,272.34	13.29	95.75	114.09	-2,875.44	-3,007.70	6,286.63	6,226.79	59.84	105.052		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	2,241.45	12,310.00	7,272.34	14.40	95.75	122.47	-2,875.44	-3,007.70	6,188.77	6,128.65	60.12	102.948		
2,500.00	2,316.92	12,310.00	7,272.34	15.57	95.75	129.41	-2,875.44	-3,007.70	6,091.38	6,030.99	60.39	100.869		
2,600.00	2,390.05	12,310.00	7,272.34	16.78	95.75	135.09	-2,875.44	-3,007.70	5,994.62	5,933.96	60.67	98.814		
2,700.00	2,460.76	12,310.00	7,272.34	18.05	95.75	139.72	-2,875.44	-3,007.70	5,898.64	5,837.69	60.95	96.781		
2,800.00	2,528.95	12,310.00	7,272.34	19.37	95.75	143.52	-2,875.44	-3,007.70	5,803.59	5,742.35	61.24	94.769		
2,900.00	2,595.08	12,310.00	7,272.34	20.72	95.75	144.74	-2,875.44	-3,007.70	5,709.44	5,647.90	61.55	92.768		
3,000.00	2,661.04	12,310.00	7,272.34	22.08	95.75	144.74	-2,875.44	-3,007.70	5,615.56	5,553.68	61.88	90.743		
3,100.00	2,726.99	12,310.00	7,272.34	23.46	95.75	144.74	-2,875.44	-3,007.70	5,521.90	5,459.65	62.25	88.705		
3,200.00	2,792.94	12,310.00	7,272.34	24.84	95.75	144.74	-2,875.44	-3,007.70	5,428.46	5,365.82	62.64	86.659		
3,300.00	2,858.90	12,310.00	7,272.34	26.22	95.75	144.74	-2,875.44	-3,007.70	5,335.26	5,272.20	63.06	84.607		
3,400.00	2,924.85	12,310.00	7,272.34	27.61	95.75	144.74	-2,875.44	-3,007.70	5,242.31	5,178.81	63.50	82.554		
3,500.00	2,990.81	12,310.00	7,272.34	29.00	95.75	144.74	-2,875.44	-3,007.70	5,149.62	5,085.65	63.97	80.501		
3,600.00	3,056.76	12,310.00	7,272.34	30.40	95.75	144.74	-2,875.44	-3,007.70	5,057.22	4,992.75	64.46	78.452		
3,700.00	3,122.71	12,310.00	7,272.34	31.80	95.75	144.74	-2,875.44	-3,007.70	4,965.10	4,900.12	64.98	76.409		
3,800.00	3,188.67	12,310.00	7,272.34	33.20	95.75	144.74	-2,875.44	-3,007.70	4,873.30	4,807.78	65.52	74.375		
3,900.00	3,254.62	12,310.00	7,272.34	34.60	95.75	144.74	-2,875.44	-3,007.70	4,781.83	4,715.73	66.09	72.351		
4,000.00	3,320.58	12,310.00	7,272.34	36.01	95.75	144.74	-2,875.44	-3,007.70	4,690.70	4,624.01	66.69	70.340		
4,100.00	3,386.53	12,310.00	7,272.34	37.41	95.75	144.74	-2,875.44	-3,007.70	4,599.94	4,532.64	67.31	68.344		
4,200.00	3,452.48	12,310.00	7,272.34	38.82	95.75	144.74	-2,875.44	-3,007.70	4,509.58	4,441.62	67.95	66.364		
4,300.00	3,518.44	12,310.00	7,272.34	40.23	95.75	144.74	-2,875.44	-3,007.70	4,419.63	4,351.00	68.63	64.402		
4,400.00	3,584.39	12,310.00	7,272.34	41.64	95.75	144.74	-2,875.44	-3,007.70	4,330.12	4,260.79	69.33	62.461		
4,500.00	3,650.35	12,310.00	7,272.34	43.05	95.75	144.74	-2,875.44	-3,007.70	4,241.07	4,171.02	70.05	60.540		
4,600.00	3,716.30	12,310.00	7,272.34	44.46	95.75	144.74	-2,875.44	-3,007.70	4,152.53	4,081.72	70.81	58.642		
4,700.00	3,782.25	12,310.00	7,272.34	45.88	95.75	144.74	-2,875.44	-3,007.70	4,064.52	3,992.92	71.60	56.769		
4,800.00	3,848.21	12,310.00	7,272.34	47.29	95.75	144.74	-2,875.44	-3,007.70	3,977.08	3,904.66	72.41	54.921		
4,900.00	3,914.16	12,310.00	7,272.34	48.71	95.75	144.74	-2,875.44	-3,007.70	3,890.24	3,816.97	73.26	53.100		
5,000.00	3,980.12	12,310.00	7,272.34	50.12	95.75	144.74	-2,875.44	-3,007.70	3,804.04	3,729.90	74.14	51.307		
5,100.00	4,046.07	12,310.00	7,272.34	51.54	95.75	144.74	-2,875.44	-3,007.70	3,718.54	3,643.49	75.05	49.545		
5,200.00	4,112.02	12,310.00	7,272.34	52.95	95.75	144.74	-2,875.44	-3,007.70	3,633.78	3,557.78	76.00	47.813		
5,300.00	4,177.98	12,310.00	7,272.34	54.37	95.75	144.74	-2,875.44	-3,007.70	3,549.81	3,472.84	76.98	46.115		
5,400.00	4,243.93	12,310.00	7,272.34	55.79	95.75	144.74	-2,875.44	-3,007.70	3,466.70	3,388.71	77.99	44.450		
5,500.00	4,309.89	12,310.00	7,272.34	57.21	95.75	144.74	-2,875.44	-3,007.70	3,384.49	3,305.46	79.04	42.821		
5,600.00	4,375.84	12,310.00	7,272.34	58.63	95.75	144.74	-2,875.44	-3,007.70	3,303.27	3,223.15	80.12	41.229		
5,700.00	4,441.79	12,310.00	7,272.34	60.05	95.75	144.74	-2,875.44	-3,007.70	3,223.11	3,141.87	81.24	39.675		
5,800.00	4,507.75	12,310.00	7,272.34	61.47	95.75	144.74	-2,875.44	-3,007.70	3,144.08	3,061.69	82.39	38.161		
5,900.00	4,573.70	12,310.00	7,272.34	62.89	95.75	144.74	-2,875.44	-3,007.70	3,066.27	2,982.70	83.57	36.689		
6,000.00	4,639.66	12,310.00	7,272.34	64.31	95.75	144.74	-2,875.44	-3,007.70	2,989.79	2,905.00	84.79	35.260		
6,100.00	4,705.61	12,310.00	7,272.34	65.73	95.75	144.74	-2,875.44	-3,007.70	2,914.73	2,828.69	86.04	33.876		
6,200.00	4,771.56	12,267.99	7,273.07	67.15	95.04	144.81	-2,917.40	-3,009.54	2,840.90	2,754.46	86.44	32.866		
6,300.00	4,837.52	12,198.66	7,274.15	68.57	93.87	144.94	-2,986.66	-3,012.52	2,767.04	2,680.77	86.27	32.075		
6,400.00	4,903.47	12,133.04	7,275.23	69.99	92.76	145.06	-3,052.21	-3,015.20	2,693.19	2,607.02	86.17	31.256		
6,500.00	4,969.43	12,070.15	7,276.71	71.41	91.70	145.20	-3,115.04	-3,017.54	2,619.65	2,533.55	86.11	30.423		
6,600.00	5,035.38	12,016.00	7,278.13	72.83	90.79	145.33	-3,169.13	-3,019.64	2,546.33	2,460.08	86.25	29.521		
6,700.00	5,101.33	11,960.75	7,280.02	74.25	89.85	145.48	-3,224.32	-3,021.26	2,473.27	2,386.91	86.36	28.639		
6,800.00	5,167.29	11,914.00	7,282.06	75.67	89.06	145.63	-3,271.01	-3,022.43	2,400.68	2,314.01	86.67	27.699		
6,900.00	5,233.24	11,865.62	7,284.67	77.10	88.25	145.80	-3,319.31	-3,023.84	2,328.83	2,241.88	86.95	26.784		
7,000.00	5,299.20	11,817.00	7,287.29	78.52	87.44	146.00	-3,367.61	-3,025.26	2,257.13	2,169.82	87.24	25.872		
7,100.00	5,365.15	11,768.00	7,289.91	79.94	86.63	146.21	-3,415.90	-3,026.67	2,185.42	2,095.85	87.53	24.960		
7,200.00	5,431.10	11,719.00	7,292.53	81.36	85.82	146.42	-3,464.19	-3,028.08	2,111.71	2,021.88	87.82	24.048		
7,300.00	5,497.06	11,670.00	7,295.15	82.78	85.01	146.63	-3,512.48	-3,029.49	2,038.00	1,947.91	88.11	23.136		
7,400.00	5,563.01	11,621.00	7,297.77	84.20	84.20	146.84	-3,560.77	-3,030.90	1,964.29	1,873.92	88.40	22.224		
7,500.00	5,628.97	11,572.00	7,300.39	85.63	83.39	147.05	-3,609.06	-3,032.31	1,890.58	1,800.00	88.69	21.312		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	5,694.92	11,210.65	7,279.51	87.06	77.13	149.86	-3,973.04	-3,006.50	1,782.57	1,704.51	78.06	22.835		
7,700.00	5,760.87	11,147.72	7,278.74	88.48	76.07	150.51	-4,035.88	-3,003.39	1,705.08	1,627.62	77.46	22.012		
7,800.00	5,826.83	11,092.97	7,278.13	89.90	75.14	151.11	-4,090.58	-3,001.07	1,627.90	1,550.74	77.17	21.096		
7,900.00	5,892.78	11,044.55	7,277.76	91.33	74.33	151.67	-4,138.96	-2,999.20	1,551.16	1,474.03	77.13	20.111		
8,000.00	5,958.74	10,993.88	7,278.16	92.75	73.48	152.34	-4,189.58	-2,997.09	1,475.31	1,398.34	76.97	19.168		
8,100.00	6,024.69	10,942.02	7,278.50	94.17	72.61	153.04	-4,241.42	-2,995.37	1,399.81	1,323.05	76.76	18.237		
8,200.00	6,090.64	10,875.87	7,279.25	95.60	71.51	153.97	-4,307.56	-2,994.32	1,325.09	1,249.20	75.89	17.461		
8,300.00	6,156.60	10,790.06	7,278.96	97.02	70.09	155.26	-4,393.35	-2,993.63	1,249.82	1,175.83	73.99	16.892		
8,400.00	6,222.55	10,719.88	7,277.92	98.45	68.92	156.53	-4,463.51	-2,992.02	1,173.70	1,101.03	72.67	16.151		
8,500.00	6,288.51	10,670.55	7,277.43	99.87	68.11	157.50	-4,512.83	-2,991.25	1,098.28	1,025.85	72.43	15.163		
8,600.00	6,354.46	10,612.26	7,277.30	101.29	67.15	158.76	-4,571.12	-2,990.92	1,023.79	952.11	71.67	14.284		
8,700.00	6,420.41	10,549.05	7,277.05	102.72	66.12	160.23	-4,634.32	-2,991.46	949.77	879.17	70.60	13.452		
8,800.00	6,486.37	10,469.02	7,276.19	104.14	64.82	162.41	-4,714.35	-2,991.99	875.68	807.37	68.31	12.819		
8,900.00	6,552.32	10,401.55	7,275.13	105.57	63.72	164.88	-4,781.77	-2,989.56	801.15	734.63	66.52	12.044		
9,000.00	6,618.28	10,348.94	7,274.73	106.99	62.85	167.17	-4,834.32	-2,987.24	727.81	662.01	65.80	11.061		
9,100.00	6,684.23	10,292.51	7,274.86	108.42	61.94	169.94	-4,890.72	-2,985.54	656.32	591.32	65.00	10.098		
9,200.00	6,750.18	10,212.07	7,274.46	109.84	60.64	174.48	-4,971.15	-2,985.02	586.00	523.21	62.79	9.333		
9,300.00	6,816.14	10,134.13	7,271.28	111.26	59.39	-179.91	-5,049.02	-2,984.11	515.10	453.24	61.85	8.328		
9,400.00	6,882.09	10,053.22	7,265.62	112.69	58.09	-172.07	-5,129.66	-2,981.19	445.38	381.75	63.63	7.000		
9,500.00	6,948.05	9,994.41	7,259.31	114.11	57.14	-164.71	-5,188.04	-2,978.07	378.09	306.69	71.41	5.295		
9,600.00	7,014.00	9,940.81	7,253.50	115.54	56.29	-156.71	-5,241.26	-2,975.26	318.49	232.45	86.04	3.701		
9,700.00	7,079.88	9,897.17	7,249.72	116.97	55.59	-150.30	-5,284.66	-2,972.78	273.15	165.89	107.26	2.547		
9,780.90	7,130.70	9,860.34	7,248.53	118.19	55.00	-148.71	-5,321.39	-2,970.53	259.44	131.97	127.47	2.035 CC		
9,800.00	7,142.10	9,850.18	7,248.43	118.48	54.84	-148.11	-5,331.53	-2,969.93	260.23	128.10	132.12	1.970 ES		
9,900.00	7,197.32	9,790.00	7,248.07	120.08	53.90	-143.59	-5,391.69	-2,968.47	287.15	136.00	151.15	1.900 SF		
10,000.00	7,243.87	9,748.07	7,247.57	121.71	53.24	-141.63	-5,433.61	-2,967.48	347.73	190.31	157.42	2.209		
10,100.00	7,280.34	9,726.00	7,247.46	123.32	52.90	-142.60	-5,455.66	-2,966.85	429.71	272.48	157.23	2.733		
10,200.00	7,305.62	9,713.16	7,247.36	124.84	52.70	-145.93	-5,468.48	-2,966.23	523.45	367.11	156.35	3.348		
10,300.00	7,318.93	9,710.50	7,247.34	126.22	52.66	-179.86	-5,471.14	-2,966.05	622.35	466.54	155.81	3.994		
10,400.00	7,321.00	9,712.32	7,247.36	127.44	52.68	72.91	-5,469.32	-2,966.18	722.18	566.13	156.05	4.628		
10,500.00	7,321.00	9,714.53	7,247.37	128.66	52.72	73.64	-5,467.13	-2,966.32	821.96	665.59	156.37	5.256		
10,600.00	7,321.00	9,726.00	7,247.46	129.91	52.90	76.65	-5,455.66	-2,966.85	921.94	765.91	156.03	5.909		
10,700.00	7,321.00	9,726.00	7,247.46	131.19	52.90	76.65	-5,455.66	-2,966.85	1,021.73	865.32	156.41	6.532		
10,800.00	7,321.00	9,726.00	7,247.46	132.51	52.90	76.65	-5,455.66	-2,966.85	1,121.56	964.83	156.72	7.156		
10,900.00	7,321.00	9,726.00	7,247.46	133.87	52.90	76.65	-5,455.66	-2,966.85	1,221.41	1,064.43	156.98	7.781		
11,000.00	7,321.00	9,726.00	7,247.46	135.26	52.90	76.65	-5,455.66	-2,966.85	1,321.29	1,164.09	157.20	8.405		
11,100.00	7,321.00	9,726.00	7,247.46	136.68	52.90	76.65	-5,455.66	-2,966.85	1,421.18	1,263.80	157.39	9.030		
11,200.00	7,321.00	9,726.00	7,247.46	138.14	52.90	76.65	-5,455.66	-2,966.85	1,521.09	1,363.54	157.55	9.655		
11,300.00	7,321.00	9,726.00	7,247.46	139.63	52.90	76.65	-5,455.66	-2,966.85	1,621.01	1,463.32	157.69	10.279		
11,400.00	7,321.00	9,726.00	7,247.46	141.15	52.90	76.65	-5,455.66	-2,966.85	1,720.94	1,563.12	157.82	10.904		
11,500.00	7,321.00	9,726.00	7,247.46	142.70	52.90	76.65	-5,455.66	-2,966.85	1,820.88	1,662.94	157.94	11.529		
11,600.00	7,321.00	9,726.00	7,247.46	144.29	52.90	76.65	-5,455.66	-2,966.85	1,920.82	1,762.78	158.04	12.154		
11,700.00	7,321.00	9,726.00	7,247.46	145.91	52.90	76.65	-5,455.66	-2,966.85	2,020.77	1,862.63	158.14	12.779		
11,800.00	7,321.00	9,726.00	7,247.46	147.55	52.90	76.65	-5,455.66	-2,966.85	2,120.72	1,962.50	158.22	13.403		
11,900.00	7,321.00	9,726.00	7,247.46	149.23	52.90	76.65	-5,455.66	-2,966.85	2,220.68	2,062.38	158.30	14.028		
12,000.00	7,321.00	9,726.00	7,247.46	150.93	52.90	76.65	-5,455.66	-2,966.85	2,320.64	2,162.26	158.38	14.653		
12,100.00	7,321.00	9,734.79	7,247.51	152.67	53.04	78.32	-5,446.88	-2,967.13	2,420.57	2,262.34	158.23	15.298		
12,200.00	7,321.00	9,736.16	7,247.52	154.43	53.06	78.54	-5,445.51	-2,967.17	2,520.53	2,362.26	158.27	15.926		
12,300.00	7,321.00	9,737.48	7,247.53	156.22	53.08	78.75	-5,444.19	-2,967.21	2,620.49	2,462.18	158.31	16.553		
12,400.00	7,321.00	9,738.75	7,247.53	158.04	53.10	78.94	-5,442.92	-2,967.24	2,720.45	2,562.11	158.34	17.181		
12,500.00	7,321.00	9,739.97	7,247.54	159.88	53.12	79.12	-5,441.70	-2,967.27	2,820.41	2,662.03	158.38	17.808		
12,600.00	7,321.00	9,741.14	7,247.54	161.75	53.14	79.29	-5,440.53	-2,967.31	2,920.38	2,761.96	158.42	18.435		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,321.00	9,742.27	7,247.55	163.64	53.15	79.44	-5,439.41	-2,967.33	3,020.34	2,861.89	158.45	19.062		
12,800.00	7,321.00	9,743.35	7,247.55	165.56	53.17	79.59	-5,438.32	-2,967.36	3,120.31	2,961.82	158.49	19.688		
12,900.00	7,321.00	9,744.40	7,247.56	167.49	53.19	79.73	-5,437.27	-2,967.39	3,220.28	3,061.75	158.52	20.314		
13,000.00	7,321.00	9,745.41	7,247.56	169.46	53.20	79.86	-5,436.27	-2,967.41	3,320.24	3,161.69	158.56	20.941		
13,100.00	7,321.00	9,746.38	7,247.56	171.44	53.22	79.98	-5,435.29	-2,967.44	3,420.21	3,261.63	158.59	21.567		
13,200.00	7,321.00	9,747.32	7,247.57	173.45	53.23	80.09	-5,434.35	-2,967.46	3,520.19	3,361.56	158.62	22.192		
13,300.00	7,321.00	9,758.00	7,247.60	175.47	53.40	81.22	-5,423.68	-2,967.69	3,620.19	3,461.71	158.48	22.843		
13,400.00	7,321.00	9,758.00	7,247.60	177.52	53.40	81.22	-5,423.68	-2,967.69	3,720.16	3,561.63	158.53	23.467		
13,500.00	7,321.00	9,758.00	7,247.60	179.58	53.40	81.22	-5,423.68	-2,967.69	3,820.13	3,661.55	158.58	24.090		
13,600.00	7,321.00	9,758.00	7,247.60	181.67	53.40	81.22	-5,423.68	-2,967.69	3,920.10	3,761.47	158.63	24.712		
13,700.00	7,321.00	9,758.00	7,247.60	183.77	53.40	81.22	-5,423.68	-2,967.69	4,020.07	3,861.39	158.68	25.335		
13,800.00	7,321.00	9,758.00	7,247.60	185.89	53.40	81.22	-5,423.68	-2,967.69	4,120.04	3,961.32	158.72	25.958		
13,900.00	7,321.00	9,758.00	7,247.60	188.02	53.40	81.22	-5,423.68	-2,967.69	4,220.02	4,061.25	158.77	26.580		
14,000.00	7,321.00	9,768.73	7,247.76	190.18	53.57	82.20	-5,412.95	-2,967.95	4,319.98	4,161.34	158.64	27.231		
14,100.00	7,321.00	9,771.13	7,247.79	192.35	53.60	82.39	-5,410.55	-2,968.01	4,419.95	4,261.30	158.65	27.860		
14,200.00	7,321.00	9,916.53	7,251.14	194.53	55.90	87.53	-5,265.38	-2,973.90	4,519.82	4,363.29	156.53	28.876		
14,300.00	7,321.00	9,923.97	7,251.82	196.73	56.02	87.75	-5,257.99	-2,974.31	4,619.66	4,463.16	156.50	29.518		
14,400.00	7,321.00	9,931.51	7,252.55	198.95	56.14	87.97	-5,250.50	-2,974.74	4,719.50	4,563.02	156.48	30.160		
14,500.00	7,321.00	9,939.15	7,253.33	201.17	56.26	88.19	-5,242.91	-2,975.17	4,819.34	4,662.88	156.46	30.803		
14,600.00	7,321.00	9,946.90	7,254.15	203.42	56.38	88.40	-5,235.21	-2,975.61	4,919.18	4,762.74	156.44	31.445		
14,700.00	7,321.00	9,948.00	7,254.27	205.67	56.40	88.44	-5,234.12	-2,975.67	5,019.02	4,862.51	156.50	32.070		
14,800.00	7,321.00	9,948.00	7,254.27	207.94	56.40	88.44	-5,234.12	-2,975.67	5,118.86	4,962.28	156.58	32.691		
14,900.00	7,321.00	9,948.00	7,254.27	210.22	56.40	88.44	-5,234.12	-2,975.67	5,218.71	5,062.05	156.66	33.313		
15,000.00	7,321.00	9,948.00	7,254.27	212.51	56.40	88.44	-5,234.12	-2,975.67	5,318.57	5,161.83	156.73	33.934		
15,100.00	7,321.00	9,959.18	7,255.50	214.81	56.58	88.73	-5,223.02	-2,976.29	5,418.40	5,261.73	156.67	34.585		
15,200.00	7,321.00	9,961.33	7,255.73	217.12	56.62	88.79	-5,220.88	-2,976.41	5,518.25	5,361.54	156.72	35.212		
15,300.00	7,321.00	9,963.44	7,255.96	219.45	56.65	88.84	-5,218.79	-2,976.52	5,618.11	5,461.35	156.76	35.838		
15,400.00	7,321.00	9,965.51	7,256.19	221.78	56.68	88.89	-5,216.74	-2,976.63	5,717.97	5,561.16	156.81	36.465		
15,500.00	7,321.00	9,967.53	7,256.41	224.13	56.71	88.94	-5,214.74	-2,976.73	5,817.83	5,660.98	156.86	37.090		
15,600.00	7,321.00	9,969.51	7,256.62	226.48	56.75	88.99	-5,212.77	-2,976.84	5,917.70	5,760.80	156.90	37.716		
15,700.00	7,321.00	9,980.00	7,257.76	228.85	56.91	89.23	-5,202.35	-2,977.36	6,017.59	5,860.73	156.85	38.365		
15,800.00	7,321.00	9,980.00	7,257.76	231.22	56.91	89.23	-5,202.35	-2,977.36	6,117.45	5,960.53	156.92	38.985		
15,900.00	7,321.00	9,980.00	7,257.76	233.60	56.91	89.23	-5,202.35	-2,977.36	6,217.32	6,060.34	156.99	39.604		
16,000.00	7,321.00	9,980.00	7,257.76	235.99	56.91	89.23	-5,202.35	-2,977.36	6,317.19	6,160.14	157.05	40.224		
16,100.00	7,321.00	9,980.00	7,257.76	238.39	56.91	89.23	-5,202.35	-2,977.36	6,417.07	6,259.96	157.11	40.843		
16,200.00	7,321.00	9,985.35	7,258.33	240.79	57.00	89.34	-5,197.05	-2,977.62	6,516.95	6,359.83	157.12	41.477		
16,300.00	7,321.00	10,002.60	7,260.20	243.21	57.28	89.69	-5,179.91	-2,978.48	6,616.83	6,459.82	157.01	42.143		
16,400.00	7,321.00	10,002.85	7,260.23	245.63	57.28	89.70	-5,179.66	-2,978.51	6,716.69	6,559.62	157.07	42.762		
16,500.00	7,321.00	10,044.38	7,264.71	248.06	57.95	90.41	-5,138.44	-2,980.71	6,816.55	6,659.82	156.72	43.494		
16,600.00	7,321.00	10,036.84	7,263.90	250.49	57.83	90.29	-5,145.93	-2,980.30	6,916.39	6,759.53	156.86	44.092		
16,700.00	7,321.00	10,054.38	7,265.74	252.93	58.11	90.55	-5,128.51	-2,981.26	7,016.24	6,859.48	156.76	44.758		
16,800.00	7,321.00	10,059.91	7,266.28	255.38	58.20	90.62	-5,123.01	-2,981.57	7,116.09	6,959.31	156.77	45.390		
16,900.00	7,321.00	10,065.45	7,266.79	257.84	58.29	90.69	-5,117.51	-2,981.87	7,215.93	7,059.14	156.79	46.023		
17,000.00	7,321.00	10,070.99	7,267.29	260.30	58.38	90.75	-5,111.99	-2,982.18	7,315.78	7,158.97	156.80	46.656		
17,100.00	7,321.00	10,075.00	7,267.63	262.76	58.44	90.79	-5,108.00	-2,982.40	7,415.63	7,258.79	156.83	47.284		
17,200.00	7,321.00	10,075.00	7,267.63	265.24	58.44	90.79	-5,108.00	-2,982.40	7,515.48	7,358.58	156.90	47.900		
17,300.00	7,321.00	10,075.00	7,267.63	267.72	58.44	90.79	-5,108.00	-2,982.40	7,615.33	7,458.37	156.96	48.517		
17,400.00	7,321.00	10,075.00	7,267.63	270.20	58.44	90.79	-5,108.00	-2,982.40	7,715.19	7,558.16	157.03	49.133		
17,500.00	7,321.00	10,075.00	7,267.63	272.69	58.44	90.79	-5,108.00	-2,982.40	7,815.05	7,657.96	157.09	49.749		
17,600.00	7,321.00	10,075.00	7,267.63	275.18	58.44	90.79	-5,108.00	-2,982.40	7,914.91	7,757.76	157.15	50.365		
17,700.00	7,321.00	10,075.00	7,267.63	277.68	58.44	90.79	-5,108.00	-2,982.40	8,014.78	7,857.57	157.21	50.981		
17,800.00	7,321.00	10,075.00	7,267.63	280.19	58.44	90.89	-5,108.00	-2,982.40	8,114.65	7,957.38	157.27	51.596		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 12-T6N-R67W - SIMONSEN 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						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	7,321.00	10,075.00	7,267.63	282.71	58.44	94.11	-5,108.00	-2,982.40	8,214.61	8,057.29	157.32	52.216	
18,000.00	7,321.00	10,075.00	7,267.63	285.26	58.44	-91.53	-5,108.00	-2,982.40	8,314.60	8,157.26	157.34	52.844	
18,100.00	7,321.00	10,075.00	7,267.63	287.83	58.44	-90.64	-5,108.00	-2,982.40	8,414.51	8,257.16	157.35	53.477	
18,200.00	7,321.00	10,075.00	7,267.63	290.41	58.44	-90.40	-5,108.00	-2,982.40	8,514.21	8,356.87	157.34	54.115	
18,300.00	7,321.00	10,075.00	7,267.63	293.00	58.44	-90.31	-5,108.00	-2,982.40	8,613.61	8,456.30	157.30	54.757	
18,400.00	7,321.00	10,075.00	7,267.63	295.59	58.44	-90.31	-5,108.00	-2,982.40	8,712.90	8,555.63	157.27	55.401	
18,500.00	7,321.00	10,073.28	7,267.48	298.19	58.41	-90.30	-5,109.71	-2,982.31	8,812.21	8,654.96	157.25	56.039	
18,600.00	7,321.00	10,061.60	7,266.44	300.78	58.22	-90.24	-5,121.33	-2,981.66	8,911.52	8,754.21	157.31	56.649	
18,700.00	7,321.00	10,049.94	7,265.29	303.38	58.04	-90.18	-5,132.92	-2,981.01	9,010.84	8,853.47	157.37	57.259	
18,800.00	7,321.00	9,980.00	7,257.76	305.98	56.91	-89.78	-5,202.35	-2,977.36	9,110.12	8,952.22	157.89	57.698	
18,900.00	7,321.00	9,980.00	7,257.76	308.58	56.91	-89.78	-5,202.35	-2,977.36	9,209.36	9,051.50	157.86	58.338	
19,000.00	7,321.00	9,980.00	7,257.76	311.18	56.91	-89.78	-5,202.35	-2,977.36	9,308.63	9,150.80	157.83	58.979	
19,100.00	7,321.00	9,968.22	7,256.48	313.78	56.73	-89.72	-5,214.05	-2,976.77	9,407.88	9,249.98	157.89	59.584	
19,200.00	7,321.00	9,964.87	7,256.12	316.39	56.67	-89.70	-5,217.38	-2,976.60	9,507.16	9,349.26	157.89	60.213	
19,300.00	7,321.00	9,726.00	7,247.46	318.99	52.90	-89.39	-5,455.66	-2,966.85	9,606.23	9,446.30	159.93	60.065	
19,400.00	7,321.00	9,726.00	7,247.46	321.60	52.90	-89.39	-5,455.66	-2,966.85	9,705.22	9,545.32	159.89	60.698	
19,500.00	7,321.00	9,726.00	7,247.46	324.21	52.90	-89.38	-5,455.66	-2,966.85	9,804.22	9,644.37	159.86	61.331	
19,600.00	7,321.00	9,726.00	7,247.46	326.81	52.90	-89.16	-5,455.66	-2,966.85	9,903.52	9,743.68	159.83	61.962	
19,700.00	7,321.00	9,726.00	7,247.46	329.42	52.90	-88.71	-5,455.66	-2,966.85	10,003.17	9,843.35	159.83	62.588	
19,800.00	7,321.00	9,726.00	7,247.46	332.01	52.90	-87.19	-5,455.66	-2,966.85	10,103.06	9,943.22	159.83	63.209	

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	-142.20	-2,882.30	-2,236.05	8,041.09					
100.00	100.00	12,126.00	7,107.01	0.27	94.24	-142.20	-2,882.30	-2,236.05	7,952.11	7,902.91	49.19	161.655		
200.00	200.00	12,126.00	7,107.01	0.63	94.24	-142.20	-2,882.30	-2,236.05	7,863.38	7,814.09	49.29	159.534		
300.00	300.00	12,126.00	7,107.01	0.99	94.24	-142.20	-2,882.30	-2,236.05	7,774.93	7,725.52	49.41	157.360		
400.00	400.00	12,126.00	7,107.01	1.34	94.24	-142.20	-2,882.30	-2,236.05	7,686.77	7,637.22	49.55	155.137		
500.00	499.98	12,126.00	7,107.01	1.69	94.24	7.71	-2,882.30	-2,236.05	7,598.08	7,548.36	49.72	152.820		
600.00	599.84	12,126.00	7,107.01	2.03	94.24	8.29	-2,882.30	-2,236.05	7,508.11	7,458.19	49.91	150.421		
700.00	699.45	12,126.00	7,107.01	2.38	94.24	8.95	-2,882.30	-2,236.05	7,416.91	7,366.79	50.11	148.000		
800.00	798.70	12,126.00	7,107.01	2.75	94.24	9.74	-2,882.30	-2,236.05	7,324.55	7,274.24	50.32	145.567		
900.00	897.47	12,126.00	7,107.01	3.15	94.24	10.66	-2,882.30	-2,236.05	7,231.11	7,180.59	50.52	143.129		
1,000.00	995.62	12,126.00	7,107.01	3.58	94.24	11.78	-2,882.30	-2,236.05	7,136.66	7,085.94	50.73	140.692		
1,100.00	1,093.06	12,126.00	7,107.01	4.04	94.24	13.16	-2,882.30	-2,236.05	7,041.28	6,990.35	50.93	138.262		
1,200.00	1,189.64	12,126.00	7,107.01	4.54	94.24	14.87	-2,882.30	-2,236.05	6,945.04	6,893.91	51.13	135.842		
1,300.00	1,285.27	12,126.00	7,107.01	5.08	94.24	17.08	-2,882.30	-2,236.05	6,848.02	6,796.70	51.32	133.438		
1,400.00	1,379.82	12,126.00	7,107.01	5.67	94.24	19.99	-2,882.30	-2,236.05	6,750.32	6,698.82	51.51	131.053		
1,500.00	1,473.17	12,126.00	7,107.01	6.30	94.24	23.99	-2,882.30	-2,236.05	6,652.03	6,600.34	51.69	128.690		
1,600.00	1,565.21	12,126.00	7,107.01	6.99	94.24	29.74	-2,882.30	-2,236.05	6,553.25	6,501.38	51.87	126.351		
1,700.00	1,655.84	12,126.00	7,107.01	7.73	94.24	38.46	-2,882.30	-2,236.05	6,454.06	6,402.03	52.03	124.041		
1,800.00	1,744.94	12,126.00	7,107.01	8.52	94.24	52.28	-2,882.30	-2,236.05	6,354.59	6,302.40	52.19	121.760		
1,900.00	1,832.39	12,126.00	7,107.01	9.37	94.24	73.58	-2,882.30	-2,236.05	6,254.93	6,202.60	52.34	119.510		
2,000.00	1,918.11	12,126.00	7,107.01	10.27	94.24	100.03	-2,882.30	-2,236.05	6,155.21	6,102.74	52.48	117.294		
2,100.00	2,001.97	12,126.00	7,107.01	11.22	94.24	122.64	-2,882.30	-2,236.05	6,055.55	6,002.94	52.61	115.112		
2,200.00	2,083.88	12,126.00	7,107.01	12.23	94.24	137.61	-2,882.30	-2,236.05	5,956.07	5,903.34	52.72	112.965		
2,300.00	2,163.74	12,126.00	7,107.01	13.29	94.24	147.04	-2,882.30	-2,236.05	5,856.90	5,804.06	52.84	110.852		
2,400.00	2,241.45	12,126.00	7,107.01	14.40	94.24	153.19	-2,882.30	-2,236.05	5,758.19	5,705.25	52.94	108.772		
2,500.00	2,316.92	12,126.00	7,107.01	15.57	94.24	157.43	-2,882.30	-2,236.05	5,660.09	5,607.05	53.04	106.723		
2,600.00	2,390.05	12,126.00	7,107.01	16.78	94.24	160.49	-2,882.30	-2,236.05	5,562.74	5,509.61	53.13	104.702		
2,700.00	2,460.76	12,126.00	7,107.01	18.05	94.24	162.78	-2,882.30	-2,236.05	5,466.31	5,413.09	53.22	102.704		
2,800.00	2,528.95	12,126.00	7,107.01	19.37	94.24	164.56	-2,882.30	-2,236.05	5,370.98	5,317.66	53.32	100.726		
2,900.00	2,595.08	12,126.00	7,107.01	20.72	94.24	165.12	-2,882.30	-2,236.05	5,276.68	5,223.25	53.43	98.750		
3,000.00	2,661.04	12,126.00	7,107.01	22.08	94.24	165.12	-2,882.30	-2,236.05	5,182.68	5,129.10	53.58	96.730		
3,100.00	2,726.99	12,126.00	7,107.01	23.46	94.24	165.12	-2,882.30	-2,236.05	5,088.90	5,035.16	53.75	94.685		
3,200.00	2,792.94	12,126.00	7,107.01	24.84	94.24	165.12	-2,882.30	-2,236.05	4,995.37	4,941.43	53.93	92.619		
3,300.00	2,858.90	12,126.00	7,107.01	26.22	94.24	165.12	-2,882.30	-2,236.05	4,902.09	4,847.94	54.15	90.534		
3,400.00	2,924.85	12,126.00	7,107.01	27.61	94.24	165.12	-2,882.30	-2,236.05	4,809.08	4,754.70	54.38	88.433		
3,500.00	2,990.81	12,126.00	7,107.01	29.00	94.24	165.12	-2,882.30	-2,236.05	4,716.35	4,661.72	54.64	86.321		
3,600.00	3,056.76	12,126.00	7,107.01	30.40	94.24	165.12	-2,882.30	-2,236.05	4,623.93	4,569.02	54.92	84.199		
3,700.00	3,122.71	12,126.00	7,107.01	31.80	94.24	165.12	-2,882.30	-2,236.05	4,531.83	4,476.61	55.22	82.071		
3,800.00	3,188.67	12,126.00	7,107.01	33.20	94.24	165.12	-2,882.30	-2,236.05	4,440.08	4,384.53	55.54	79.941		
3,900.00	3,254.62	12,126.00	7,107.01	34.60	94.24	165.12	-2,882.30	-2,236.05	4,348.68	4,292.79	55.89	77.811		
4,000.00	3,320.58	12,126.00	7,107.01	36.01	94.24	165.12	-2,882.30	-2,236.05	4,257.68	4,201.42	56.26	75.684		
4,100.00	3,386.53	12,126.00	7,107.01	37.41	94.24	165.12	-2,882.30	-2,236.05	4,167.08	4,110.43	56.65	73.563		
4,200.00	3,452.48	12,126.00	7,107.01	38.82	94.24	165.12	-2,882.30	-2,236.05	4,076.93	4,019.87	57.06	71.451		
4,300.00	3,518.44	12,126.00	7,107.01	40.23	94.24	165.12	-2,882.30	-2,236.05	3,987.24	3,929.75	57.50	69.349		
4,400.00	3,584.39	12,126.00	7,107.01	41.64	94.24	165.12	-2,882.30	-2,236.05	3,898.06	3,840.10	57.95	67.261		
4,500.00	3,650.35	12,126.00	7,107.01	43.05	94.24	165.12	-2,882.30	-2,236.05	3,809.41	3,750.97	58.44	65.188		
4,600.00	3,716.30	12,126.00	7,107.01	44.46	94.24	165.12	-2,882.30	-2,236.05	3,721.34	3,662.40	58.94	63.133		
4,700.00	3,782.25	12,126.00	7,107.01	45.88	94.24	165.12	-2,882.30	-2,236.05	3,633.89	3,574.41	59.48	61.099		
4,800.00	3,848.21	12,126.00	7,107.01	47.29	94.24	165.12	-2,882.30	-2,236.05	3,547.10	3,487.07	60.03	59.087		
4,900.00	3,914.16	12,126.00	7,107.01	48.71	94.24	165.12	-2,882.30	-2,236.05	3,461.02	3,400.41	60.61	57.099		
5,000.00	3,980.12	12,126.00	7,107.01	50.12	94.24	165.12	-2,882.30	-2,236.05	3,375.71	3,314.49	61.22	55.138		
5,100.00	4,046.07	12,126.00	7,107.01	51.54	94.24	165.12	-2,882.30	-2,236.05	3,291.23	3,229.37	61.86	53.205		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	4,112.02	12,126.00	7,107.01	52.95	94.24	165.12	-2,882.30	-2,236.05	3,207.64	3,145.12	62.52	51.304		
5,300.00	4,177.98	12,126.00	7,107.01	54.37	94.24	165.12	-2,882.30	-2,236.05	3,125.02	3,061.80	63.21	49.436		
5,400.00	4,243.93	12,126.00	7,107.01	55.79	94.24	165.12	-2,882.30	-2,236.05	3,043.43	2,979.50	63.93	47.604		
5,500.00	4,309.89	12,126.00	7,107.01	57.21	94.24	165.12	-2,882.30	-2,236.05	2,962.98	2,898.30	64.68	45.809		
5,600.00	4,375.84	12,126.00	7,107.01	58.63	94.24	165.12	-2,882.30	-2,236.05	2,883.75	2,818.29	65.46	44.055		
5,700.00	4,441.79	12,126.00	7,107.01	60.05	94.24	165.12	-2,882.30	-2,236.05	2,805.85	2,739.58	66.26	42.343		
5,800.00	4,507.75	12,126.00	7,107.01	61.47	94.24	165.12	-2,882.30	-2,236.05	2,729.38	2,662.29	67.10	40.677		
5,900.00	4,573.70	12,126.00	7,107.01	62.89	94.24	165.12	-2,882.30	-2,236.05	2,654.49	2,586.53	67.96	39.059		
6,000.00	4,639.66	12,126.00	7,107.01	64.31	94.24	165.12	-2,882.30	-2,236.05	2,581.29	2,512.44	68.85	37.493		
6,100.00	4,705.61	12,106.19	7,107.42	65.73	93.90	165.34	-2,902.10	-2,235.95	2,509.87	2,440.54	69.33	36.203		
6,200.00	4,771.56	12,044.00	7,108.75	67.15	92.83	166.08	-2,964.28	-2,235.68	2,439.15	2,370.25	68.89	35.404		
6,300.00	4,837.52	11,940.94	7,110.41	68.57	91.07	167.37	-3,067.32	-2,235.35	2,368.44	2,300.90	67.54	35.065		
6,400.00	4,903.47	11,898.52	7,110.90	69.99	90.34	167.93	-3,109.74	-2,235.25	2,297.66	2,230.10	67.56	34.010		
6,500.00	4,969.43	11,769.56	7,111.19	71.41	88.15	169.76	-3,238.69	-2,234.55	2,226.60	2,161.01	65.59	33.948		
6,600.00	5,035.38	11,705.65	7,110.31	72.83	87.06	170.74	-3,302.59	-2,234.27	2,154.87	2,089.75	65.13	33.087		
6,700.00	5,101.33	11,664.00	7,109.99	74.25	86.35	171.40	-3,344.24	-2,234.23	2,083.96	2,018.74	65.22	31.953		
6,800.00	5,167.29	11,576.86	7,109.46	75.67	84.87	172.86	-3,431.38	-2,234.30	2,013.63	1,949.36	64.27	31.329		
6,900.00	5,233.24	11,507.60	7,108.30	77.10	83.70	174.09	-3,500.63	-2,234.76	1,943.07	1,879.27	63.80	30.456		
7,000.00	5,299.20	11,474.00	7,107.94	78.52	83.13	174.71	-3,534.22	-2,235.03	1,873.46	1,809.23	64.22	29.171		
7,100.00	5,365.15	11,364.71	7,107.32	79.94	81.29	176.89	-3,643.50	-2,235.31	1,804.98	1,742.03	62.95	28.672		
7,200.00	5,431.10	11,315.00	7,106.20	81.36	80.45	177.96	-3,693.20	-2,235.49	1,735.78	1,672.61	63.18	27.476		
7,300.00	5,497.06	11,268.94	7,105.72	82.79	79.67	179.00	-3,739.25	-2,235.43	1,668.01	1,604.41	63.60	26.228		
7,400.00	5,563.01	11,220.00	7,105.49	84.21	78.85	-179.83	-3,788.19	-2,235.37	1,601.50	1,537.40	64.10	24.986		
7,500.00	5,628.97	11,153.57	7,105.85	85.63	77.73	-178.15	-3,854.62	-2,234.80	1,536.56	1,472.14	64.42	23.854		
7,600.00	5,694.92	11,093.00	7,105.88	87.06	76.72	-176.53	-3,915.19	-2,234.49	1,472.36	1,407.26	65.10	22.618		
7,700.00	5,760.87	11,043.76	7,106.57	88.48	75.89	-175.13	-3,964.41	-2,233.78	1,410.23	1,343.96	66.27	21.279		
7,800.00	5,826.83	10,960.21	7,106.95	89.90	74.49	-172.57	-4,047.95	-2,231.88	1,349.00	1,281.72	67.28	20.051		
7,900.00	5,892.78	10,914.61	7,107.26	91.33	73.73	-171.10	-4,093.53	-2,231.07	1,289.60	1,220.35	69.25	18.623		
8,000.00	5,958.74	10,827.11	7,108.08	92.75	72.27	-168.11	-4,181.02	-2,229.66	1,232.28	1,161.03	71.26	17.294		
8,100.00	6,024.69	10,743.33	7,107.07	94.17	70.87	-165.01	-4,264.79	-2,228.40	1,175.67	1,101.63	74.04	15.878		
8,200.00	6,090.64	10,690.96	7,106.05	95.60	70.01	-162.95	-4,317.14	-2,227.47	1,121.18	1,043.53	77.65	14.439		
8,300.00	6,156.60	10,630.83	7,105.97	97.02	69.01	-160.53	-4,377.26	-2,227.54	1,070.23	988.44	81.80	13.084		
8,400.00	6,222.55	10,559.77	7,105.64	98.45	67.84	-157.54	-4,448.32	-2,228.08	1,022.08	935.41	86.66	11.794		
8,500.00	6,288.51	10,480.64	7,104.63	99.87	66.55	-154.01	-4,527.43	-2,228.99	976.94	884.56	92.38	10.575		
8,600.00	6,354.46	10,415.33	7,103.99	101.29	65.48	-151.02	-4,592.70	-2,231.25	935.32	836.77	98.55	9.491		
8,700.00	6,420.41	10,348.62	7,103.70	102.72	64.40	-147.86	-4,659.34	-2,234.28	898.06	792.80	105.26	8.532		
8,800.00	6,486.37	10,274.74	7,103.51	104.14	63.21	-144.25	-4,733.11	-2,238.34	865.42	752.92	112.49	7.693		
8,900.00	6,552.32	10,197.41	7,102.31	105.57	61.97	-140.31	-4,810.29	-2,242.81	837.39	717.22	120.17	6.968		
9,000.00	6,618.28	10,126.99	7,100.59	106.99	60.85	-136.58	-4,880.56	-2,247.16	814.81	687.00	127.81	6.375		
9,100.00	6,684.23	10,079.00	7,099.59	108.42	60.09	-134.00	-4,928.46	-2,249.91	799.22	664.67	134.55	5.940		
9,200.00	6,750.18	10,020.63	7,099.88	109.84	59.16	-130.87	-4,986.76	-2,252.77	791.87	651.02	140.85	5.622		
9,257.96	6,788.41	9,980.05	7,100.20	110.67	58.52	-128.69	-5,027.29	-2,254.82	790.80	646.47	144.33	5.479 CC		
9,300.00	6,816.14	9,958.82	7,100.40	111.26	58.18	-127.55	-5,048.49	-2,255.82	791.60	645.23	146.37	5.408 ES		
9,400.00	6,882.09	9,892.93	7,101.57	112.69	57.14	-124.04	-5,114.32	-2,258.57	798.92	647.93	151.00	5.291		
9,500.00	6,948.05	9,819.94	7,102.19	114.11	55.99	-120.17	-5,187.23	-2,261.84	812.57	657.75	154.82	5.248 SF		
9,600.00	7,014.00	9,759.54	7,101.89	115.54	55.05	-116.99	-5,247.57	-2,264.25	832.79	675.72	157.07	5.302		
9,700.00	7,079.88	9,689.99	7,100.54	116.97	53.96	-114.79	-5,317.06	-2,267.05	859.30	700.65	158.65	5.416		
9,800.00	7,142.10	9,643.01	7,099.99	118.48	53.24	-119.51	-5,364.01	-2,268.57	902.50	743.97	158.53	5.693		
9,900.00	7,197.32	9,587.06	7,100.74	120.08	52.37	-121.75	-5,419.93	-2,270.08	964.75	806.22	158.53	6.086		
10,000.00	7,243.87	9,552.38	7,101.29	121.71	51.84	-122.73	-5,454.60	-2,270.68	1,042.18	884.37	157.81	6.604		
10,100.00	7,280.34	9,521.04	7,101.85	123.32	51.35	-120.37	-5,485.94	-2,270.92	1,130.67	973.27	157.40	7.183		
10,200.00	7,305.62	9,496.20	7,102.19	124.84	50.97	-110.09	-5,510.78	-2,271.06	1,226.11	1,068.80	157.31	7.794		

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

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 12-T6N-R67W - SIMONSEN 1L-241 - Wellbore #1 - Wellbore #1													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	7,318.93	9,482.10	7,102.30	126.22	50.75	-58.43	-5,524.87	-2,271.15	1,325.01	1,167.63	157.39	8.419		
10,400.00	7,321.00	9,479.29	7,102.32	127.44	50.71	-3.91	-5,527.68	-2,271.17	1,424.47	1,266.92	157.54	9.042		
10,500.00	7,321.00	9,479.13	7,102.32	128.66	50.71	-3.97	-5,527.84	-2,271.17	1,523.88	1,366.20	157.67	9.665		
10,600.00	7,321.00	9,478.24	7,102.32	129.91	50.69	-4.29	-5,528.73	-2,271.18	1,623.36	1,465.56	157.80	10.287		
10,700.00	7,321.00	9,477.31	7,102.32	131.19	50.68	-4.62	-5,529.66	-2,271.18	1,722.90	1,564.98	157.91	10.910		
10,800.00	7,321.00	9,476.34	7,102.33	132.51	50.67	-4.97	-5,530.63	-2,271.19	1,822.49	1,664.47	158.01	11.534		
10,900.00	7,321.00	9,475.32	7,102.33	133.87	50.65	-5.33	-5,531.65	-2,271.20	1,922.12	1,764.02	158.10	12.157		
11,000.00	7,321.00	9,474.26	7,102.33	135.26	50.63	-5.71	-5,532.71	-2,271.21	2,021.79	1,863.61	158.18	12.781		
11,100.00	7,321.00	9,473.14	7,102.34	136.68	50.62	-6.10	-5,533.83	-2,271.21	2,121.49	1,963.23	158.26	13.405		
11,200.00	7,321.00	9,471.97	7,102.34	138.14	50.60	-6.52	-5,535.00	-2,271.22	2,221.21	2,062.89	158.32	14.029		
11,300.00	7,321.00	9,470.74	7,102.34	139.63	50.58	-6.95	-5,536.23	-2,271.23	2,320.96	2,162.57	158.39	14.654		
11,400.00	7,321.00	9,469.44	7,102.35	141.15	50.56	-7.41	-5,537.53	-2,271.24	2,420.73	2,262.28	158.45	15.278		
11,500.00	7,321.00	9,468.07	7,102.35	142.70	50.54	-7.90	-5,538.90	-2,271.26	2,520.52	2,362.01	158.51	15.902		
11,600.00	7,321.00	9,466.62	7,102.35	144.29	50.52	-8.41	-5,540.35	-2,271.27	2,620.32	2,461.76	158.56	16.525		
11,700.00	7,321.00	9,465.09	7,102.35	145.91	50.49	-8.94	-5,541.88	-2,271.28	2,720.14	2,561.52	158.62	17.149		
11,800.00	7,321.00	9,463.47	7,102.35	147.55	50.47	-9.51	-5,543.50	-2,271.30	2,819.97	2,661.30	158.67	17.772		
11,900.00	7,321.00	9,461.75	7,102.35	149.23	50.44	-10.11	-5,545.22	-2,271.31	2,919.81	2,761.09	158.72	18.396		
12,000.00	7,321.00	9,459.93	7,102.35	150.93	50.42	-10.74	-5,547.04	-2,271.33	3,019.66	2,860.88	158.77	19.019		
12,100.00	7,321.00	9,457.98	7,102.35	152.67	50.39	-11.41	-5,548.99	-2,271.35	3,119.52	2,960.69	158.83	19.641		
12,200.00	7,321.00	9,455.90	7,102.34	154.43	50.35	-12.13	-5,551.07	-2,271.37	3,219.39	3,060.51	158.88	20.263		
12,300.00	7,321.00	9,453.68	7,102.34	156.22	50.32	-12.89	-5,553.29	-2,271.39	3,319.26	3,160.33	158.93	20.885		
12,400.00	7,321.00	9,451.30	7,102.33	158.04	50.28	-13.70	-5,555.67	-2,271.42	3,419.14	3,260.16	158.98	21.506		
12,500.00	7,321.00	9,448.74	7,102.32	159.88	50.24	-14.56	-5,558.23	-2,271.45	3,519.03	3,359.99	159.04	22.127		
12,600.00	7,321.00	9,445.98	7,102.31	161.75	50.20	-15.48	-5,560.99	-2,271.48	3,618.92	3,459.83	159.09	22.747		
12,700.00	7,321.00	9,445.00	7,102.30	163.64	50.19	-15.81	-5,561.97	-2,271.50	3,718.82	3,559.70	159.12	23.371		
12,800.00	7,321.00	9,443.04	7,102.29	165.56	50.16	-16.46	-5,563.93	-2,271.52	3,818.72	3,659.56	159.16	23.992		
12,900.00	7,321.00	9,441.86	7,102.28	167.49	50.14	-16.84	-5,565.11	-2,271.53	3,918.63	3,759.44	159.19	24.615		
13,000.00	7,321.00	9,440.68	7,102.28	169.46	50.12	-17.23	-5,566.29	-2,271.55	4,018.54	3,859.32	159.22	25.238		
13,100.00	7,321.00	9,439.50	7,102.27	171.44	50.10	-17.61	-5,567.47	-2,271.56	4,118.46	3,959.20	159.25	25.861		
13,200.00	7,321.00	9,438.32	7,102.26	173.45	50.09	-18.00	-5,568.65	-2,271.58	4,218.38	4,059.09	159.28	26.484		
13,300.00	7,321.00	9,437.14	7,102.25	175.47	50.07	-18.38	-5,569.83	-2,271.59	4,318.30	4,158.99	159.31	27.106		
13,400.00	7,321.00	9,435.96	7,102.24	177.52	50.05	-18.76	-5,571.01	-2,271.61	4,418.22	4,258.89	159.34	27.729		
13,500.00	7,321.00	9,434.78	7,102.23	179.58	50.03	-19.13	-5,572.19	-2,271.62	4,518.15	4,358.79	159.37	28.351		
13,600.00	7,321.00	9,433.60	7,102.21	181.67	50.01	-19.51	-5,573.37	-2,271.64	4,618.08	4,458.69	159.39	28.973		
13,700.00	7,321.00	9,432.42	7,102.20	183.77	50.00	-19.88	-5,574.55	-2,271.65	4,718.02	4,558.59	159.42	29.594		
13,800.00	7,321.00	9,431.24	7,102.19	185.89	49.98	-20.25	-5,575.73	-2,271.66	4,817.95	4,658.50	159.45	30.216		
13,900.00	7,321.00	9,430.06	7,102.17	188.02	49.96	-20.62	-5,576.91	-2,271.68	4,917.89	4,758.41	159.48	30.837		
14,000.00	7,321.00	9,428.88	7,102.16	190.18	49.94	-20.99	-5,578.09	-2,271.69	5,017.83	4,858.33	159.51	31.459		
14,100.00	7,321.00	9,427.70	7,102.15	192.35	49.92	-21.36	-5,579.27	-2,271.71	5,117.78	4,958.24	159.53	32.080		
14,200.00	7,321.00	9,426.52	7,102.13	194.53	49.91	-21.72	-5,580.45	-2,271.72	5,217.72	5,058.16	159.56	32.700		
14,300.00	7,321.00	9,425.34	7,102.11	196.73	49.89	-22.08	-5,581.62	-2,271.74	5,317.67	5,158.08	159.59	33.321		
14,400.00	7,321.00	9,424.16	7,102.10	198.95	49.87	-22.44	-5,582.80	-2,271.75	5,417.61	5,258.00	159.62	33.941		
14,500.00	7,321.00	9,422.98	7,102.08	201.17	49.85	-22.80	-5,583.98	-2,271.77	5,517.56	5,357.92	159.65	34.561		
14,600.00	7,321.00	9,421.80	7,102.06	203.42	49.83	-23.16	-5,585.16	-2,271.78	5,617.52	5,457.84	159.67	35.181		
14,700.00	7,321.00	9,420.62	7,102.04	205.67	49.82	-23.51	-5,586.34	-2,271.80	5,717.47	5,557.77	159.70	35.801		
14,800.00	7,321.00	9,419.44	7,102.03	207.94	49.80	-23.86	-5,587.52	-2,271.81	5,817.42	5,657.69	159.73	36.421		
14,900.00	7,321.00	9,418.27	7,102.01	210.22	49.78	-24.21	-5,588.70	-2,271.82	5,917.38	5,757.62	159.76	37.040		
15,000.00	7,321.00	9,417.09	7,101.99	212.51	49.76	-24.56	-5,589.88	-2,271.84	6,017.33	5,857.55	159.79	37.659		
15,100.00	7,321.00	9,415.91	7,101.96	214.81	49.74	-24.90	-5,591.06	-2,271.85	6,117.29	5,957.48	159.81	38.278		
15,200.00	7,321.00	9,414.73	7,101.94	217.12	49.73	-25.25	-5,592.24	-2,271.87	6,217.25	6,057.41	159.84	38.896		
15,300.00	7,321.00	9,413.00	7,101.91	219.45	49.70	-25.75	-5,593.96	-2,271.89	6,317.21	6,157.33	159.88	39.513		
15,400.00	7,321.00	9,413.00	7,101.91	221.78	49.70	-25.75	-5,593.96	-2,271.89	6,417.17	6,257.28	159.89	40.134		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,321.00	9,413.00	7,101.91	224.13	49.70	-25.75	-5,593.96	-2,271.89	6,517.13	6,357.23	159.91	40.755	
15,600.00	7,321.00	9,413.00	7,101.91	226.48	49.70	-25.75	-5,593.96	-2,271.89	6,617.10	6,457.17	159.93	41.376	
15,700.00	7,321.00	9,413.00	7,101.91	228.85	49.70	-25.75	-5,593.96	-2,271.89	6,717.06	6,557.12	159.94	41.997	
15,800.00	7,321.00	9,413.00	7,101.91	231.22	49.70	-25.75	-5,593.96	-2,271.89	6,817.03	6,657.07	159.96	42.617	
15,900.00	7,321.00	9,413.00	7,101.91	233.60	49.70	-25.75	-5,593.96	-2,271.89	6,916.99	6,757.02	159.98	43.237	
16,000.00	7,321.00	9,413.00	7,101.91	235.99	49.70	-25.75	-5,593.96	-2,271.89	7,016.96	6,856.97	160.00	43.857	
16,100.00	7,321.00	9,413.00	7,101.91	238.39	49.70	-25.75	-5,593.96	-2,271.89	7,116.93	6,956.92	160.01	44.477	
16,200.00	7,321.00	9,413.00	7,101.91	240.79	49.70	-25.75	-5,593.96	-2,271.89	7,216.90	7,056.87	160.03	45.097	
16,300.00	7,321.00	9,413.00	7,101.91	243.21	49.70	-25.75	-5,593.96	-2,271.89	7,316.87	7,156.82	160.05	45.716	
16,400.00	7,321.00	9,413.00	7,101.91	245.63	49.70	-25.75	-5,593.96	-2,271.89	7,416.84	7,256.77	160.07	46.335	
16,500.00	7,321.00	9,405.19	7,101.75	248.06	49.58	-27.95	-5,601.77	-2,271.98	7,516.80	7,356.64	160.17	46.931	
16,600.00	7,321.00	9,404.56	7,101.74	250.49	49.57	-28.12	-5,602.40	-2,271.99	7,616.78	7,456.58	160.19	47.548	
16,700.00	7,321.00	9,403.94	7,101.73	252.93	49.56	-28.29	-5,603.02	-2,272.00	7,716.75	7,556.53	160.22	48.164	
16,800.00	7,321.00	9,403.33	7,101.71	255.38	49.55	-28.46	-5,603.63	-2,272.00	7,816.72	7,656.48	160.24	48.780	
16,900.00	7,321.00	9,402.72	7,101.70	257.84	49.54	-28.62	-5,604.24	-2,272.01	7,916.69	7,756.42	160.27	49.396	
17,000.00	7,321.00	9,402.12	7,101.69	260.30	49.54	-28.79	-5,604.84	-2,272.02	8,016.67	7,856.37	160.30	50.012	
17,100.00	7,321.00	9,401.53	7,101.67	262.76	49.53	-28.95	-5,605.43	-2,272.02	8,116.64	7,956.32	160.32	50.627	
17,200.00	7,321.00	9,400.94	7,101.66	265.24	49.52	-29.10	-5,606.02	-2,272.03	8,216.62	8,056.27	160.35	51.242	
17,300.00	7,321.00	9,400.36	7,101.65	267.72	49.51	-29.26	-5,606.60	-2,272.04	8,316.59	8,156.22	160.37	51.857	
17,400.00	7,321.00	9,399.79	7,101.63	270.20	49.50	-29.41	-5,607.17	-2,272.04	8,416.57	8,256.17	160.40	52.472	
17,500.00	7,321.00	9,399.22	7,101.62	272.69	49.49	-29.57	-5,607.74	-2,272.05	8,516.54	8,356.12	160.43	53.086	
17,600.00	7,321.00	9,398.66	7,101.61	275.18	49.48	-29.71	-5,608.30	-2,272.06	8,616.52	8,456.06	160.46	53.700	
17,700.00	7,321.00	9,398.11	7,101.59	277.68	49.47	-29.86	-5,608.85	-2,272.06	8,716.50	8,556.01	160.48	54.314	
17,800.00	7,321.00	9,397.54	7,101.58	280.19	49.47	-41.62	-5,609.42	-2,272.07	8,816.47	8,655.96	160.51	54.928	
17,900.00	7,321.00	9,395.85	7,101.54	282.71	49.44	-70.51	-5,611.11	-2,272.08	8,916.40	8,755.86	160.54	55.540	
18,000.00	7,321.00	9,392.46	7,101.46	285.26	49.39	-78.21	-5,614.50	-2,272.12	9,016.14	8,855.57	160.57	56.151	
18,100.00	7,321.00	9,381.00	7,101.16	287.83	49.21	-81.64	-5,625.95	-2,272.23	9,115.60	8,954.94	160.66	56.737	
18,200.00	7,321.00	9,380.42	7,101.14	290.41	49.21	-83.50	-5,626.54	-2,272.23	9,214.64	9,054.00	160.65	57.360	
18,300.00	7,321.00	9,363.98	7,100.65	293.00	48.96	-84.51	-5,642.96	-2,272.38	9,313.17	9,152.41	160.76	57.931	
18,400.00	7,321.00	9,349.00	7,100.15	295.59	48.73	-84.54	-5,657.94	-2,272.51	9,411.52	9,250.66	160.86	58.507	
18,500.00	7,321.00	9,349.00	7,100.15	298.19	48.73	-84.54	-5,657.94	-2,272.51	9,509.90	9,349.07	160.83	59.132	
18,600.00	7,321.00	9,349.00	7,100.15	300.78	48.73	-84.54	-5,657.94	-2,272.51	9,608.30	9,447.51	160.79	59.756	
18,700.00	7,321.00	9,349.00	7,100.15	303.38	48.73	-84.54	-5,657.94	-2,272.51	9,706.74	9,545.98	160.76	60.381	
18,800.00	7,321.00	9,349.00	7,100.15	305.98	48.73	-84.54	-5,657.94	-2,272.51	9,805.21	9,644.49	160.73	61.006	
18,900.00	7,321.00	9,333.61	7,099.60	308.58	48.50	-84.57	-5,673.31	-2,272.59	9,903.64	9,742.81	160.83	61.577	
19,000.00	7,321.00	9,318.00	7,099.02	311.18	48.26	-84.60	-5,688.91	-2,272.54	10,002.19	9,841.25	160.94	62.147	
19,100.00	7,321.00	9,318.00	7,099.02	313.78	48.26	-84.60	-5,688.91	-2,272.54	10,100.70	9,939.78	160.91	62.771	

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	-152.17	-2,858.64	-1,508.79	7,914.45	7,870.13	44.32	178.580	
200.00	200.00	11,954.00	7,297.28	0.63	92.31	-152.17	-2,858.64	-1,508.79	7,823.27	7,778.89	44.39	176.244	
300.00	300.00	11,954.00	7,297.28	0.99	92.31	-152.17	-2,858.64	-1,508.79	7,732.32	7,687.84	44.48	173.854	
400.00	400.00	11,954.00	7,297.28	1.34	92.31	-152.17	-2,858.64	-1,508.79	7,641.59	7,597.01	44.58	171.410	
500.00	499.98	11,954.00	7,297.28	1.69	92.31	-2.99	-2,858.64	-1,508.79	7,550.37	7,505.66	44.71	168.868	
600.00	599.84	11,954.00	7,297.28	2.03	92.31	-3.25	-2,858.64	-1,508.79	7,457.97	7,413.11	44.86	166.245	
700.00	699.45	11,954.00	7,297.28	2.38	92.31	-3.56	-2,858.64	-1,508.79	7,364.48	7,319.46	45.01	163.610	
800.00	798.70	11,954.00	7,297.28	2.75	92.31	-3.94	-2,858.64	-1,508.79	7,269.95	7,224.79	45.16	160.974	
900.00	897.47	11,954.00	7,297.28	3.15	92.31	-4.41	-2,858.64	-1,508.79	7,174.47	7,129.16	45.31	158.345	
1,000.00	995.62	11,954.00	7,297.28	3.58	92.31	-5.00	-2,858.64	-1,508.79	7,078.12	7,032.67	45.45	155.730	
1,100.00	1,093.06	11,954.00	7,297.28	4.04	92.31	-5.77	-2,858.64	-1,508.79	6,980.99	6,935.40	45.59	153.135	
1,200.00	1,189.64	11,954.00	7,297.28	4.54	92.31	-6.81	-2,858.64	-1,508.79	6,883.15	6,837.43	45.72	150.565	
1,300.00	1,285.27	11,954.00	7,297.28	5.08	92.31	-8.28	-2,858.64	-1,508.79	6,784.70	6,738.87	45.83	148.026	
1,400.00	1,379.82	11,954.00	7,297.28	5.67	92.31	-10.53	-2,858.64	-1,508.79	6,685.74	6,639.80	45.94	145.521	
1,500.00	1,473.17	11,954.00	7,297.28	6.30	92.31	-14.38	-2,858.64	-1,508.79	6,586.37	6,540.33	46.04	143.053	
1,600.00	1,565.21	11,954.00	7,297.28	6.99	92.31	-22.27	-2,858.64	-1,508.79	6,486.69	6,440.56	46.13	140.627	
1,700.00	1,655.84	11,954.00	7,297.28	7.73	92.31	-44.91	-2,858.64	-1,508.79	6,386.81	6,340.61	46.20	138.245	
1,800.00	1,744.94	11,954.00	7,297.28	8.52	92.31	-112.55	-2,858.64	-1,508.79	6,286.85	6,240.59	46.26	135.909	
1,900.00	1,832.39	11,954.00	7,297.28	9.37	92.31	-151.09	-2,858.64	-1,508.79	6,186.92	6,140.62	46.30	133.619	
2,000.00	1,918.11	11,954.00	7,297.28	10.27	92.31	-162.55	-2,858.64	-1,508.79	6,087.16	6,040.83	46.33	131.377	
2,100.00	2,001.97	11,954.00	7,297.28	11.22	92.31	-167.54	-2,858.64	-1,508.79	5,987.70	5,941.35	46.35	129.183	
2,200.00	2,083.88	11,954.00	7,297.28	12.23	92.31	-170.29	-2,858.64	-1,508.79	5,888.67	5,842.32	46.36	127.034	
2,300.00	2,163.74	11,954.00	7,297.28	13.29	92.31	-172.02	-2,858.64	-1,508.79	5,790.23	5,743.88	46.35	124.928	
2,400.00	2,241.45	11,954.00	7,297.28	14.40	92.31	-173.20	-2,858.64	-1,508.79	5,692.52	5,646.19	46.33	122.859	
2,500.00	2,316.92	11,954.00	7,297.28	15.57	92.31	-174.06	-2,858.64	-1,508.79	5,595.71	5,549.39	46.31	120.822	
2,600.00	2,390.05	11,954.00	7,297.28	16.78	92.31	-174.71	-2,858.64	-1,508.79	5,499.96	5,453.67	46.29	118.809	
2,700.00	2,460.76	11,954.00	7,297.28	18.05	92.31	-175.22	-2,858.64	-1,508.79	5,405.45	5,359.17	46.28	116.807	
2,800.00	2,528.95	11,954.00	7,297.28	19.37	92.31	-175.62	-2,858.64	-1,508.79	5,312.37	5,266.10	46.27	114.807	
2,900.00	2,595.08	11,954.00	7,297.28	20.72	92.31	-175.75	-2,858.64	-1,508.79	5,220.62	5,174.33	46.29	112.782	
3,000.00	2,661.04	11,954.00	7,297.28	22.08	92.31	-175.75	-2,858.64	-1,508.79	5,129.27	5,082.93	46.35	110.671	
3,100.00	2,726.99	11,954.00	7,297.28	23.46	92.31	-175.75	-2,858.64	-1,508.79	5,038.26	4,991.83	46.43	108.512	
3,200.00	2,792.94	11,954.00	7,297.28	24.84	92.31	-175.75	-2,858.64	-1,508.79	4,947.59	4,901.05	46.54	106.308	
3,300.00	2,858.90	11,954.00	7,297.28	26.22	92.31	-175.75	-2,858.64	-1,508.79	4,857.28	4,810.61	46.68	104.064	
3,400.00	2,924.85	11,954.00	7,297.28	27.61	92.31	-175.75	-2,858.64	-1,508.79	4,767.37	4,720.53	46.84	101.787	
3,500.00	2,990.81	11,954.00	7,297.28	29.00	92.31	-175.75	-2,858.64	-1,508.79	4,677.86	4,630.84	47.02	99.480	
3,600.00	3,056.76	11,954.00	7,297.28	30.40	92.31	-175.75	-2,858.64	-1,508.79	4,588.79	4,541.55	47.23	97.150	
3,700.00	3,122.71	11,954.00	7,297.28	31.80	92.31	-175.75	-2,858.64	-1,508.79	4,500.17	4,452.70	47.47	94.801	
3,800.00	3,188.67	11,954.00	7,297.28	33.20	92.31	-175.75	-2,858.64	-1,508.79	4,412.04	4,364.31	47.73	92.436	
3,900.00	3,254.62	11,954.00	7,297.28	34.60	92.31	-175.75	-2,858.64	-1,508.79	4,324.43	4,276.42	48.02	90.061	
4,000.00	3,320.58	11,954.00	7,297.28	36.01	92.31	-175.75	-2,858.64	-1,508.79	4,237.37	4,189.04	48.33	87.679	
4,100.00	3,386.53	11,954.00	7,297.28	37.41	92.31	-175.75	-2,858.64	-1,508.79	4,150.89	4,102.22	48.67	85.293	
4,200.00	3,452.48	11,954.00	7,297.28	38.82	92.31	-175.75	-2,858.64	-1,508.79	4,065.03	4,016.00	49.03	82.907	
4,300.00	3,518.44	11,954.00	7,297.28	40.23	92.31	-175.75	-2,858.64	-1,508.79	3,979.83	3,930.41	49.42	80.523	
4,400.00	3,584.39	11,954.00	7,297.28	41.64	92.31	-175.75	-2,858.64	-1,508.79	3,895.33	3,845.49	49.85	78.145	
4,500.00	3,650.35	11,954.00	7,297.28	43.05	92.31	-175.75	-2,858.64	-1,508.79	3,811.59	3,761.29	50.30	75.774	
4,600.00	3,716.30	11,954.00	7,297.28	44.46	92.31	-175.75	-2,858.64	-1,508.79	3,728.65	3,677.86	50.79	73.415	
4,700.00	3,782.25	11,954.00	7,297.28	45.88	92.31	-175.75	-2,858.64	-1,508.79	3,646.56	3,595.25	51.31	71.068	
4,800.00	3,848.21	11,954.00	7,297.28	47.29	92.31	-175.75	-2,858.64	-1,508.79	3,565.39	3,513.52	51.87	68.738	
4,900.00	3,914.16	11,954.00	7,297.28	48.71	92.31	-175.75	-2,858.64	-1,508.79	3,485.19	3,432.72	52.47	66.426	
5,000.00	3,980.12	11,954.00	7,297.28	50.12	92.31	-175.75	-2,858.64	-1,508.79	3,406.04	3,352.94	53.11	64.135	
5,100.00	4,046.07	11,954.00	7,297.28	51.54	92.31	-175.75	-2,858.64	-1,508.79	3,328.02	3,274.23	53.79	61.867	
5,200.00	4,112.02	11,954.00	7,297.28	52.95	92.31	-175.75	-2,858.64	-1,508.79	3,251.20	3,196.67	54.53	59.626	

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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 12-T6N-R67W - SIMONSEN 1L-421 - Wellbore #1 - Wellbore #1													Offset Site Error:	0.00 usft
Survey Program: 125-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	4,177.98	11,954.00	7,297.28	54.37	92.31	-175.75	-2,858.64	-1,508.79	3,175.67	3,120.36	55.31	57.414		
5,400.00	4,243.93	11,954.00	7,297.28	55.79	92.31	-175.75	-2,858.64	-1,508.79	3,101.53	3,045.38	56.15	55.234		
5,500.00	4,309.89	11,954.00	7,297.28	57.21	92.31	-175.75	-2,858.64	-1,508.79	3,028.87	2,971.82	57.05	53.090		
5,600.00	4,375.84	11,954.00	7,297.28	58.63	92.31	-175.75	-2,858.64	-1,508.79	2,957.81	2,899.80	58.01	50.985		
5,700.00	4,441.79	11,954.00	7,297.28	60.05	92.31	-175.75	-2,858.64	-1,508.79	2,888.47	2,829.42	59.04	48.922		
5,800.00	4,507.75	11,954.00	7,297.28	61.47	92.31	-175.75	-2,858.64	-1,508.79	2,820.96	2,760.82	60.14	46.906		
5,900.00	4,573.70	11,954.00	7,297.28	62.89	92.31	-175.75	-2,858.64	-1,508.79	2,755.43	2,694.12	61.31	44.940		
6,000.00	4,639.66	11,953.63	7,297.28	64.31	92.30	-175.75	-2,859.01	-1,508.79	2,692.02	2,629.46	62.56	43.031		
6,100.00	4,705.61	11,891.65	7,297.94	65.73	91.24	-174.81	-2,920.99	-1,509.01	2,630.07	2,566.87	63.20	41.618		
6,200.00	4,771.56	11,841.74	7,298.73	67.15	90.39	-174.04	-2,970.89	-1,509.18	2,569.18	2,505.11	64.07	40.100		
6,300.00	4,837.52	11,724.89	7,300.03	68.57	88.40	-172.17	-3,087.72	-1,510.37	2,508.83	2,444.50	64.33	38.997		
6,400.00	4,903.47	11,669.77	7,300.21	69.99	87.48	-171.28	-3,142.81	-1,512.21	2,448.47	2,383.10	65.37	37.456		
6,500.00	4,969.43	11,590.67	7,300.24	71.41	86.15	-169.98	-3,221.83	-1,515.78	2,388.56	2,322.30	66.26	36.048		
6,600.00	5,035.38	11,560.15	7,300.52	72.83	85.64	-169.46	-3,252.31	-1,517.20	2,330.16	2,262.36	67.80	34.368		
6,700.00	5,101.33	11,461.88	7,302.04	74.25	83.99	-167.76	-3,350.46	-1,521.93	2,273.15	2,204.38	68.77	33.052		
6,800.00	5,167.29	11,360.46	7,301.67	75.67	82.30	-165.89	-3,451.78	-1,526.51	2,215.82	2,145.90	69.92	31.690		
6,900.00	5,233.24	11,250.40	7,298.86	77.10	80.47	-163.74	-3,561.69	-1,531.48	2,158.04	2,086.83	71.21	30.303		
7,000.00	5,299.20	11,213.99	7,297.87	78.52	79.86	-163.00	-3,598.05	-1,533.05	2,101.53	2,028.18	73.35	28.652		
7,100.00	5,365.15	11,169.00	7,297.20	79.94	79.12	-162.07	-3,642.99	-1,534.93	2,047.08	1,971.50	75.58	27.086		
7,200.00	5,431.10	11,137.00	7,297.11	81.36	78.58	-161.39	-3,674.97	-1,536.04	1,994.90	1,916.83	78.08	25.550		
7,300.00	5,497.06	11,103.58	7,297.53	82.79	78.02	-160.67	-3,708.37	-1,536.79	1,945.41	1,864.67	80.74	24.095		
7,400.00	5,563.01	11,014.14	7,298.40	84.21	76.53	-158.65	-3,797.81	-1,537.72	1,897.84	1,814.54	83.31	22.782		
7,500.00	5,628.97	10,956.80	7,298.60	85.63	75.57	-157.31	-3,855.14	-1,538.19	1,851.75	1,765.49	86.26	21.468		
7,600.00	5,694.92	10,873.81	7,297.88	87.06	74.18	-155.29	-3,938.13	-1,538.18	1,807.12	1,717.76	89.37	20.221		
7,700.00	5,760.87	10,830.90	7,297.53	88.48	73.47	-154.21	-3,981.03	-1,537.74	1,765.10	1,672.30	92.79	19.022		
7,800.00	5,826.83	10,781.54	7,297.66	89.90	72.64	-152.95	-4,030.39	-1,537.12	1,726.16	1,629.81	96.35	17.915		
7,900.00	5,892.78	10,724.80	7,297.82	91.33	71.69	-151.47	-4,087.12	-1,535.89	1,690.14	1,590.07	100.07	16.890		
8,000.00	5,958.74	10,661.00	7,297.43	92.75	70.63	-149.75	-4,150.88	-1,533.72	1,656.86	1,552.88	103.97	15.935		
8,100.00	6,024.69	10,617.09	7,297.59	94.17	69.89	-148.55	-4,194.76	-1,532.06	1,627.23	1,519.34	107.89	15.082		
8,200.00	6,090.64	10,517.64	7,298.18	95.60	68.24	-145.82	-4,294.18	-1,529.85	1,600.21	1,488.16	112.05	14.282		
8,300.00	6,156.60	10,449.64	7,297.90	97.02	67.12	-143.92	-4,362.17	-1,528.94	1,575.66	1,459.52	116.13	13.568		
8,400.00	6,222.55	10,406.00	7,297.96	98.45	66.40	-142.68	-4,405.80	-1,528.00	1,555.14	1,435.06	120.08	12.951		
8,500.00	6,288.51	10,346.69	7,298.14	99.87	65.42	-140.98	-4,465.08	-1,526.32	1,538.60	1,414.56	124.04	12.404		
8,600.00	6,354.46	10,270.12	7,297.40	101.29	64.15	-138.75	-4,541.60	-1,523.60	1,525.61	1,397.52	128.08	11.911		
8,700.00	6,420.41	10,231.28	7,297.00	102.72	63.51	-137.60	-4,580.40	-1,522.00	1,516.79	1,385.17	131.62	11.524		
8,800.00	6,486.37	10,188.29	7,297.47	104.14	62.81	-136.35	-4,623.35	-1,520.08	1,512.87	1,377.96	134.90	11.214		
8,869.53	6,532.23	10,115.66	7,298.08	105.13	61.62	-134.22	-4,695.91	-1,516.98	1,512.34	1,374.81	137.52	10.997 CC		
8,900.00	6,552.32	10,101.73	7,298.07	105.57	61.39	-133.81	-4,709.83	-1,516.43	1,512.56	1,374.12	138.44	10.926 ES		
9,000.00	6,618.28	10,045.14	7,298.10	106.99	60.47	-132.15	-4,766.37	-1,513.99	1,516.12	1,374.76	141.37	10.725		
9,100.00	6,684.23	9,988.09	7,298.65	108.42	59.54	-130.49	-4,823.36	-1,511.40	1,523.99	1,380.02	143.98	10.585		
9,200.00	6,750.18	9,912.03	7,298.55	109.84	58.31	-128.27	-4,899.35	-1,508.50	1,534.96	1,388.42	146.54	10.475		
9,300.00	6,816.14	9,858.08	7,297.55	111.26	57.44	-126.68	-4,953.21	-1,505.56	1,550.40	1,401.90	148.50	10.441 SF		
9,400.00	6,882.09	9,798.82	7,296.74	112.69	56.48	-124.96	-5,012.39	-1,502.52	1,569.59	1,419.41	150.19	10.451		
9,500.00	6,948.05	9,728.95	7,297.17	114.11	55.36	-122.98	-5,082.19	-1,499.47	1,592.25	1,440.55	151.70	10.496		
9,600.00	7,014.00	9,671.22	7,297.66	115.54	54.45	-121.37	-5,139.86	-1,496.89	1,618.40	1,465.67	152.72	10.597		
9,700.00	7,079.88	9,598.28	7,297.74	116.97	53.29	-120.84	-5,212.73	-1,493.68	1,647.90	1,494.18	153.71	10.721		
9,800.00	7,142.10	9,532.24	7,297.43	118.48	52.26	-126.67	-5,278.71	-1,491.01	1,690.65	1,536.22	154.43	10.948		
9,900.00	7,197.32	9,481.90	7,297.66	120.08	51.47	-131.50	-5,329.01	-1,489.01	1,750.69	1,595.88	154.82	11.308		
10,000.00	7,243.87	9,437.39	7,298.07	121.71	50.78	-135.18	-5,373.49	-1,487.29	1,825.21	1,670.11	155.10	11.768		
10,100.00	7,280.34	9,408.35	7,298.12	123.32	50.33	-138.48	-5,402.51	-1,486.23	1,910.99	1,755.80	155.19	12.314		
10,200.00	7,305.62	9,387.31	7,298.05	124.84	50.00	-142.26	-5,423.53	-1,485.37	2,004.87	1,849.61	155.26	12.913		
10,300.00	7,318.93	9,380.57	7,298.03	126.22	49.90	-157.75	-5,430.26	-1,485.07	2,103.37	1,948.12	155.25	13.548		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,321.00	9,385.81	7,298.06	127.44	49.98	92.54	-5,425.02	-1,485.29	2,203.27	2,048.07	155.20	14.197		
10,500.00	7,321.00	9,397.64	7,298.10	128.66	50.16	92.27	-5,413.20	-1,485.80	2,303.17	2,148.09	155.08	14.851		
10,600.00	7,321.00	9,387.81	7,298.05	129.91	50.01	92.48	-5,423.02	-1,485.39	2,403.09	2,247.83	155.26	15.478		
10,700.00	7,321.00	9,391.71	7,298.08	131.19	50.07	92.40	-5,419.13	-1,485.54	2,503.01	2,347.76	155.25	16.122		
10,800.00	7,321.00	9,400.76	7,298.10	132.51	50.21	92.21	-5,410.09	-1,485.92	2,602.91	2,447.73	155.18	16.774		
10,900.00	7,321.00	9,403.11	7,298.11	133.87	50.25	92.16	-5,407.74	-1,486.02	2,702.83	2,547.64	155.19	17.416		
11,000.00	7,321.00	9,405.39	7,298.11	135.26	50.28	92.12	-5,405.46	-1,486.11	2,802.75	2,647.55	155.20	18.059		
11,100.00	7,321.00	9,407.61	7,298.11	136.68	50.32	92.08	-5,403.25	-1,486.20	2,902.67	2,747.46	155.21	18.701		
11,200.00	7,321.00	9,409.75	7,298.12	138.14	50.35	92.04	-5,401.10	-1,486.28	3,002.60	2,847.37	155.23	19.343		
11,300.00	7,321.00	9,411.84	7,298.12	139.63	50.38	92.01	-5,399.02	-1,486.36	3,102.52	2,947.28	155.24	19.985		
11,400.00	7,321.00	9,413.86	7,298.12	141.15	50.41	91.97	-5,397.00	-1,486.44	3,202.45	3,047.20	155.25	20.627		
11,500.00	7,321.00	9,415.82	7,298.12	142.70	50.44	91.94	-5,395.03	-1,486.51	3,302.39	3,147.12	155.27	21.269		
11,600.00	7,321.00	9,424.00	7,298.11	144.29	50.57	91.81	-5,386.86	-1,486.81	3,402.33	3,247.11	155.21	21.920		
11,700.00	7,321.00	9,424.00	7,298.11	145.91	50.57	91.81	-5,386.86	-1,486.81	3,502.26	3,347.01	155.25	22.559		
11,800.00	7,321.00	9,424.00	7,298.11	147.55	50.57	91.81	-5,386.86	-1,486.81	3,602.19	3,446.91	155.28	23.198		
11,900.00	7,321.00	9,424.00	7,298.11	149.23	50.57	91.81	-5,386.86	-1,486.81	3,702.13	3,546.82	155.31	23.837		
12,000.00	7,321.00	9,428.63	7,298.10	150.93	50.64	91.75	-5,382.24	-1,486.97	3,802.07	3,646.77	155.30	24.482		
12,100.00	7,321.00	9,438.42	7,298.06	152.67	50.79	91.61	-5,372.45	-1,487.32	3,902.00	3,746.77	155.24	25.136		
12,200.00	7,321.00	9,449.15	7,298.00	154.43	50.96	91.48	-5,361.74	-1,487.73	4,001.93	3,846.76	155.17	25.791		
12,300.00	7,321.00	9,460.94	7,297.89	156.22	51.14	91.34	-5,349.95	-1,488.20	4,101.85	3,946.76	155.09	26.448		
12,400.00	7,321.00	9,450.58	7,297.97	158.04	50.98	91.46	-5,360.30	-1,487.80	4,201.77	4,046.55	155.22	27.070		
12,500.00	7,321.00	9,462.52	7,297.88	159.88	51.17	91.32	-5,348.37	-1,488.26	4,301.70	4,146.55	155.14	27.727		
12,600.00	7,321.00	9,465.16	7,297.85	161.75	51.21	91.29	-5,345.73	-1,488.37	4,401.62	4,246.47	155.15	28.370		
12,700.00	7,321.00	9,467.77	7,297.83	163.64	51.25	91.26	-5,343.13	-1,488.47	4,501.55	4,346.38	155.16	29.012		
12,800.00	7,321.00	9,470.33	7,297.80	165.56	51.29	91.24	-5,340.57	-1,488.57	4,601.47	4,446.30	155.17	29.654		
12,900.00	7,321.00	9,472.86	7,297.77	167.49	51.33	91.21	-5,338.04	-1,488.66	4,701.40	4,546.22	155.18	30.296		
13,000.00	7,321.00	9,475.35	7,297.74	169.46	51.37	91.18	-5,335.55	-1,488.76	4,801.33	4,646.14	155.19	30.938		
13,100.00	7,321.00	9,477.81	7,297.71	171.44	51.41	91.16	-5,333.10	-1,488.85	4,901.26	4,746.06	155.20	31.580		
13,200.00	7,321.00	9,480.23	7,297.68	173.45	51.44	91.13	-5,330.68	-1,488.94	5,001.19	4,845.98	155.21	32.221		
13,300.00	7,321.00	9,488.00	7,297.58	175.47	51.56	91.06	-5,322.91	-1,489.23	5,101.13	4,945.94	155.18	32.872		
13,400.00	7,321.00	9,501.38	7,297.50	177.52	51.77	90.97	-5,309.54	-1,489.77	5,201.04	5,045.93	155.11	33.532		
13,500.00	7,321.00	9,505.36	7,297.47	179.58	51.84	90.94	-5,305.56	-1,489.93	5,300.96	5,145.85	155.11	34.176		
13,600.00	7,321.00	9,509.34	7,297.45	181.67	51.90	90.92	-5,301.59	-1,490.09	5,400.88	5,245.77	155.11	34.820		
13,700.00	7,321.00	9,513.32	7,297.42	183.77	51.96	90.90	-5,297.61	-1,490.25	5,500.80	5,345.69	155.11	35.464		
13,800.00	7,321.00	9,517.30	7,297.40	185.89	52.02	90.87	-5,293.64	-1,490.41	5,600.72	5,445.61	155.11	36.108		
13,900.00	7,321.00	9,519.00	7,297.39	188.02	52.05	90.86	-5,291.94	-1,490.47	5,700.64	5,545.51	155.13	36.747		
14,000.00	7,321.00	9,519.00	7,297.39	190.18	52.05	90.86	-5,291.94	-1,490.47	5,800.57	5,645.40	155.16	37.384		
14,100.00	7,321.00	9,519.00	7,297.39	192.35	52.05	90.86	-5,291.94	-1,490.47	5,900.49	5,745.30	155.19	38.020		
14,200.00	7,321.00	9,519.00	7,297.39	194.53	52.05	90.86	-5,291.94	-1,490.47	6,000.42	5,845.20	155.22	38.656		
14,300.00	7,321.00	9,519.00	7,297.39	196.73	52.05	90.86	-5,291.94	-1,490.47	6,100.35	5,945.10	155.26	39.292		
14,400.00	7,321.00	9,530.82	7,297.42	198.95	52.23	90.83	-5,280.13	-1,490.96	6,200.24	6,045.04	155.20	39.949		
14,500.00	7,321.00	9,531.83	7,297.42	201.17	52.25	90.83	-5,279.11	-1,491.00	6,300.17	6,144.94	155.23	40.587		
14,600.00	7,321.00	9,532.83	7,297.43	203.42	52.26	90.82	-5,278.12	-1,491.03	6,400.10	6,244.85	155.25	41.224		
14,700.00	7,321.00	9,533.80	7,297.43	205.67	52.28	90.82	-5,277.15	-1,491.07	6,500.03	6,344.76	155.28	41.861		
14,800.00	7,321.00	9,534.75	7,297.44	207.94	52.29	90.82	-5,276.20	-1,491.11	6,599.96	6,444.66	155.30	42.498		
14,900.00	7,321.00	9,535.68	7,297.44	210.22	52.31	90.82	-5,275.28	-1,491.14	6,699.90	6,544.57	155.33	43.135		
15,000.00	7,321.00	9,570.95	7,297.63	212.51	52.86	90.75	-5,240.03	-1,492.46	6,799.87	6,644.75	155.12	43.836		
15,100.00	7,321.00	9,575.01	7,297.65	214.81	52.93	90.75	-5,235.97	-1,492.63	6,899.78	6,744.66	155.13	44.479		
15,200.00	7,321.00	9,596.18	7,297.74	217.12	53.26	90.71	-5,214.82	-1,493.59	6,999.63	6,844.61	155.02	45.153		
15,300.00	7,321.00	9,596.92	7,297.74	219.45	53.27	90.71	-5,214.08	-1,493.62	7,099.54	6,944.49	155.05	45.789		
15,400.00	7,321.00	9,597.65	7,297.74	221.78	53.28	90.71	-5,213.36	-1,493.65	7,199.45	7,044.37	155.08	46.424		
15,500.00	7,321.00	9,598.36	7,297.74	224.13	53.29	90.71	-5,212.65	-1,493.68	7,299.36	7,144.25	155.11	47.060		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,321.00	9,599.05	7,297.74	226.48	53.30	90.70	-5,211.95	-1,493.71	7,399.28	7,244.14	155.14	47.695		
15,700.00	7,321.00	9,599.73	7,297.75	228.85	53.31	90.70	-5,211.28	-1,493.74	7,499.19	7,344.02	155.17	48.330		
15,800.00	7,321.00	9,600.39	7,297.75	231.22	53.33	90.70	-5,210.61	-1,493.76	7,599.11	7,443.91	155.20	48.964		
15,900.00	7,321.00	9,666.12	7,297.68	233.60	54.36	90.57	-5,144.95	-1,496.65	7,699.05	7,544.22	154.83	49.725		
16,000.00	7,321.00	9,678.00	7,297.64	235.99	54.55	90.54	-5,133.09	-1,497.21	7,798.96	7,644.16	154.80	50.381		
16,100.00	7,321.00	9,678.00	7,297.64	238.39	54.55	90.54	-5,133.09	-1,497.21	7,898.84	7,744.00	154.84	51.014		
16,200.00	7,321.00	9,678.00	7,297.64	240.79	54.55	90.54	-5,133.09	-1,497.21	7,998.72	7,843.85	154.87	51.647		
16,300.00	7,321.00	9,678.00	7,297.64	243.21	54.55	90.54	-5,133.09	-1,497.21	8,098.61	7,943.70	154.91	52.279		
16,400.00	7,321.00	9,678.00	7,297.64	245.63	54.55	90.54	-5,133.09	-1,497.21	8,198.50	8,043.55	154.95	52.911		
16,500.00	7,321.00	9,678.00	7,297.64	248.06	54.55	90.54	-5,133.09	-1,497.21	8,298.39	8,143.41	154.98	53.543		
16,600.00	7,321.00	9,678.00	7,297.64	250.49	54.55	90.54	-5,133.09	-1,497.21	8,398.29	8,243.26	155.02	54.175		
16,700.00	7,321.00	9,678.00	7,297.64	252.93	54.55	90.54	-5,133.09	-1,497.21	8,498.18	8,343.12	155.06	54.806		
16,800.00	7,321.00	9,681.70	7,297.62	255.38	54.61	90.54	-5,129.39	-1,497.37	8,598.08	8,443.01	155.07	55.445		
16,900.00	7,321.00	9,686.20	7,297.60	257.84	54.68	90.53	-5,124.89	-1,497.58	8,697.98	8,542.89	155.09	56.084		
17,000.00	7,321.00	9,690.71	7,297.57	260.30	54.76	90.52	-5,120.39	-1,497.78	8,797.88	8,642.78	155.10	56.724		
17,100.00	7,321.00	9,695.22	7,297.54	262.76	54.83	90.51	-5,115.89	-1,497.99	8,897.78	8,742.66	155.11	57.363		
17,200.00	7,321.00	9,699.72	7,297.51	265.24	54.90	90.50	-5,111.39	-1,498.19	8,997.68	8,842.55	155.13	58.002		
17,300.00	7,321.00	9,704.23	7,297.47	267.72	54.97	90.48	-5,106.88	-1,498.40	9,097.57	8,942.43	155.14	58.641		
17,400.00	7,321.00	9,708.73	7,297.42	270.20	55.04	90.47	-5,102.38	-1,498.60	9,197.47	9,042.32	155.15	59.280		
17,500.00	7,321.00	9,709.00	7,297.42	272.69	55.05	90.47	-5,102.12	-1,498.61	9,297.37	9,142.18	155.19	59.910		
17,600.00	7,321.00	9,709.00	7,297.42	275.18	55.05	90.47	-5,102.12	-1,498.61	9,397.27	9,242.05	155.23	60.539		
17,700.00	7,321.00	9,709.00	7,297.42	277.68	55.05	90.47	-5,102.12	-1,498.61	9,497.18	9,341.91	155.27	61.167		
17,800.00	7,321.00	9,709.00	7,297.42	280.19	55.05	90.54	-5,102.12	-1,498.61	9,597.09	9,441.78	155.30	61.796		
17,900.00	7,321.00	9,709.00	7,297.42	282.71	55.05	98.28	-5,102.12	-1,498.61	9,697.06	9,541.72	155.34	62.426		
18,000.00	7,321.00	9,709.00	7,297.42	285.26	55.05	-90.62	-5,102.12	-1,498.61	9,797.04	9,641.68	155.36	63.059		
18,100.00	7,321.00	9,709.00	7,297.42	287.83	55.05	-90.30	-5,102.12	-1,498.61	9,896.92	9,741.53	155.38	63.694		
18,200.00	7,321.00	9,709.00	7,297.42	290.41	55.05	-90.19	-5,102.12	-1,498.61	9,996.56	9,841.16	155.40	64.329		
18,300.00	7,321.00	9,702.87	7,297.48	293.00	54.95	-90.16	-5,108.24	-1,498.33	10,095.87	9,940.43	155.44	64.951		

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	-165.42	-2,861.51	-744.27	7,743.06				
100.00	100.00	11,813.00	7,128.31	0.27	92.16	-165.42	-2,861.51	-744.27	7,650.73	7,608.88	41.85	182.833	
200.00	200.00	11,813.00	7,128.31	0.63	92.16	-165.42	-2,861.51	-744.27	7,558.60	7,516.76	41.84	180.645	
300.00	300.00	11,813.00	7,128.31	0.99	92.16	-165.42	-2,861.51	-744.27	7,466.67	7,424.82	41.85	178.404	
400.00	400.00	11,813.00	7,128.31	1.34	92.16	-165.42	-2,861.51	-744.27	7,374.95	7,333.07	41.88	176.111	
500.00	499.98	11,813.00	7,128.31	1.69	92.16	-17.37	-2,861.51	-744.27	7,282.79	7,240.86	41.92	173.711	
600.00	599.84	11,813.00	7,128.31	2.03	92.16	-18.98	-2,861.51	-744.27	7,189.57	7,147.58	41.99	171.215	
700.00	699.45	11,813.00	7,128.31	2.38	92.16	-20.90	-2,861.51	-744.27	7,095.37	7,053.30	42.06	168.691	
800.00	798.70	11,813.00	7,128.31	2.75	92.16	-23.21	-2,861.51	-744.27	7,000.26	6,958.13	42.13	166.147	
900.00	897.47	11,813.00	7,128.31	3.15	92.16	-26.04	-2,861.51	-744.27	6,904.33	6,862.13	42.20	163.592	
1,000.00	995.62	11,813.00	7,128.31	3.58	92.16	-29.56	-2,861.51	-744.27	6,807.67	6,765.39	42.28	161.032	
1,100.00	1,093.06	11,813.00	7,128.31	4.04	92.16	-34.02	-2,861.51	-744.27	6,710.35	6,668.00	42.34	158.472	
1,200.00	1,189.64	11,813.00	7,128.31	4.54	92.16	-39.75	-2,861.51	-744.27	6,612.47	6,570.06	42.41	155.916	
1,300.00	1,285.27	11,813.00	7,128.31	5.08	92.16	-47.19	-2,861.51	-744.27	6,514.14	6,471.66	42.47	153.366	
1,400.00	1,379.82	11,813.00	7,128.31	5.67	92.16	-56.85	-2,861.51	-744.27	6,415.44	6,372.90	42.54	150.826	
1,500.00	1,473.17	11,813.00	7,128.31	6.30	92.16	-69.02	-2,861.51	-744.27	6,316.49	6,273.90	42.59	148.296	
1,600.00	1,565.21	11,813.00	7,128.31	6.99	92.16	-83.29	-2,861.51	-744.27	6,217.40	6,174.75	42.65	145.777	
1,700.00	1,655.84	11,813.00	7,128.31	7.73	92.16	-98.20	-2,861.51	-744.27	6,118.28	6,075.58	42.70	143.269	
1,800.00	1,744.94	11,813.00	7,128.31	8.52	92.16	-111.86	-2,861.51	-744.27	6,019.26	5,976.50	42.76	140.771	
1,900.00	1,832.39	11,813.00	7,128.31	9.37	92.16	-123.17	-2,861.51	-744.27	5,920.47	5,877.65	42.82	138.279	
2,000.00	1,918.11	11,813.00	7,128.31	10.27	92.16	-132.02	-2,861.51	-744.27	5,822.04	5,779.16	42.88	135.790	
2,100.00	2,001.97	11,813.00	7,128.31	11.22	92.16	-138.82	-2,861.51	-744.27	5,724.10	5,681.16	42.94	133.299	
2,200.00	2,083.88	11,813.00	7,128.31	12.23	92.16	-144.06	-2,861.51	-744.27	5,626.82	5,583.81	43.02	130.800	
2,300.00	2,163.74	11,813.00	7,128.31	13.29	92.16	-148.15	-2,861.51	-744.27	5,530.35	5,487.24	43.11	128.286	
2,400.00	2,241.45	11,813.00	7,128.31	14.40	92.16	-151.40	-2,861.51	-744.27	5,434.85	5,391.63	43.22	125.748	
2,500.00	2,316.92	11,813.00	7,128.31	15.57	92.16	-154.01	-2,861.51	-744.27	5,340.49	5,297.13	43.36	123.179	
2,600.00	2,390.05	11,813.00	7,128.31	16.78	92.16	-156.15	-2,861.51	-744.27	5,247.45	5,203.93	43.52	120.571	
2,700.00	2,460.76	11,813.00	7,128.31	18.05	92.16	-157.93	-2,861.51	-744.27	5,155.92	5,112.19	43.73	117.917	
2,800.00	2,528.95	11,813.00	7,128.31	19.37	92.16	-159.42	-2,861.51	-744.27	5,066.09	5,022.12	43.97	115.211	
2,900.00	2,595.08	11,813.00	7,128.31	20.72	92.16	-159.90	-2,861.51	-744.27	4,977.86	4,933.59	44.27	112.445	
3,000.00	2,661.04	11,813.00	7,128.31	22.08	92.16	-159.90	-2,861.51	-744.27	4,890.19	4,845.57	44.62	109.598	
3,100.00	2,726.99	11,813.00	7,128.31	23.46	92.16	-159.90	-2,861.51	-744.27	4,803.00	4,757.99	45.01	106.712	
3,200.00	2,792.94	11,813.00	7,128.31	24.84	92.16	-159.90	-2,861.51	-744.27	4,716.32	4,670.88	45.44	103.796	
3,300.00	2,858.90	11,813.00	7,128.31	26.22	92.16	-159.90	-2,861.51	-744.27	4,630.18	4,584.27	45.91	100.860	
3,400.00	2,924.85	11,813.00	7,128.31	27.61	92.16	-159.90	-2,861.51	-744.27	4,544.60	4,498.19	46.42	97.912	
3,500.00	2,990.81	11,813.00	7,128.31	29.00	92.16	-159.90	-2,861.51	-744.27	4,459.63	4,412.66	46.96	94.959	
3,600.00	3,056.76	11,813.00	7,128.31	30.40	92.16	-159.90	-2,861.51	-744.27	4,375.28	4,327.73	47.55	92.009	
3,700.00	3,122.71	11,813.00	7,128.31	31.80	92.16	-159.90	-2,861.51	-744.27	4,291.62	4,243.43	48.18	89.066	
3,800.00	3,188.67	11,813.00	7,128.31	33.20	92.16	-159.90	-2,861.51	-744.27	4,208.66	4,159.80	48.86	86.138	
3,900.00	3,254.62	11,813.00	7,128.31	34.60	92.16	-159.90	-2,861.51	-744.27	4,126.46	4,076.88	49.58	83.228	
4,000.00	3,320.58	11,813.00	7,128.31	36.01	92.16	-159.90	-2,861.51	-744.27	4,045.06	3,994.72	50.35	80.342	
4,100.00	3,386.53	11,813.00	7,128.31	37.41	92.16	-159.90	-2,861.51	-744.27	3,964.52	3,913.35	51.16	77.485	
4,200.00	3,452.48	11,813.00	7,128.31	38.82	92.16	-159.90	-2,861.51	-744.27	3,884.88	3,832.84	52.03	74.662	
4,300.00	3,518.44	11,813.00	7,128.31	40.23	92.16	-159.90	-2,861.51	-744.27	3,806.20	3,753.24	52.96	71.875	
4,400.00	3,584.39	11,813.00	7,128.31	41.64	92.16	-159.90	-2,861.51	-744.27	3,728.54	3,674.60	53.93	69.131	
4,500.00	3,650.35	11,813.00	7,128.31	43.05	92.16	-159.90	-2,861.51	-744.27	3,651.96	3,596.99	54.97	66.432	
4,600.00	3,716.30	11,813.00	7,128.31	44.46	92.16	-159.90	-2,861.51	-744.27	3,576.55	3,520.48	56.07	63.784	
4,700.00	3,782.25	11,813.00	7,128.31	45.88	92.16	-159.90	-2,861.51	-744.27	3,502.36	3,445.13	57.24	61.190	
4,800.00	3,848.21	11,813.00	7,128.31	47.29	92.16	-159.90	-2,861.51	-744.27	3,429.49	3,371.02	58.47	58.654	
4,900.00	3,914.16	11,813.00	7,128.31	48.71	92.16	-159.90	-2,861.51	-744.27	3,358.02	3,298.24	59.77	56.179	
5,000.00	3,980.12	11,813.00	7,128.31	50.12	92.16	-159.90	-2,861.51	-744.27	3,288.03	3,226.88	61.15	53.771	
5,100.00	4,046.07	11,813.00	7,128.31	51.54	92.16	-159.90	-2,861.51	-744.27	3,219.63	3,157.03	62.60	51.433	

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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	4,112.02	11,813.00	7,128.31	52.95	92.16	-159.90	-2,861.51	-744.27	3,152.91	3,088.78	64.13	49.168		
5,300.00	4,177.98	11,813.00	7,128.31	54.37	92.16	-159.90	-2,861.51	-744.27	3,087.99	3,022.26	65.73	46.979		
5,400.00	4,243.93	11,813.00	7,128.31	55.79	92.16	-159.90	-2,861.51	-744.27	3,024.99	2,957.57	67.42	44.871		
5,500.00	4,309.89	11,813.00	7,128.31	57.21	92.16	-159.90	-2,861.51	-744.27	2,964.02	2,894.84	69.18	42.846		
5,600.00	4,375.84	11,813.00	7,128.31	58.63	92.16	-159.90	-2,861.51	-744.27	2,905.22	2,834.20	71.02	40.908		
5,700.00	4,441.79	11,813.00	7,128.31	60.05	92.16	-159.90	-2,861.51	-744.27	2,848.71	2,775.77	72.94	39.058		
5,800.00	4,507.75	11,813.00	7,128.31	61.47	92.16	-159.90	-2,861.51	-744.27	2,794.64	2,719.71	74.93	37.299		
5,900.00	4,573.70	11,813.00	7,128.31	62.89	92.16	-159.90	-2,861.51	-744.27	2,743.15	2,666.16	76.98	35.633		
6,000.00	4,639.66	11,813.00	7,128.31	64.31	92.16	-159.90	-2,861.51	-744.27	2,694.38	2,615.28	79.10	34.061		
6,100.00	4,705.61	11,785.15	7,128.89	65.73	91.68	-159.45	-2,889.35	-743.98	2,648.36	2,567.20	81.16	32.632		
6,200.00	4,771.56	11,724.45	7,129.98	67.15	90.64	-158.43	-2,950.03	-742.84	2,604.02	2,520.84	83.18	31.306		
6,300.00	4,837.52	11,600.00	7,130.57	68.57	88.51	-156.29	-3,074.42	-740.29	2,560.36	2,475.23	85.13	30.077		
6,400.00	4,903.47	11,521.58	7,130.89	69.99	87.18	-154.93	-3,152.84	-740.74	2,517.58	2,430.29	87.29	28.841		
6,500.00	4,969.43	11,447.99	7,131.05	71.41	85.93	-153.64	-3,226.41	-742.24	2,475.79	2,386.23	89.56	27.645		
6,600.00	5,035.38	11,389.65	7,131.25	72.83	84.94	-152.61	-3,284.74	-743.20	2,435.84	2,343.85	91.98	26.481		
6,700.00	5,101.33	11,300.01	7,131.83	74.25	83.43	-151.01	-3,374.32	-746.31	2,397.09	2,302.73	94.36	25.405		
6,800.00	5,167.29	11,199.97	7,131.92	75.67	81.75	-149.19	-3,474.27	-750.52	2,359.60	2,262.82	96.78	24.381		
6,900.00	5,233.24	11,124.00	7,131.60	77.10	80.47	-147.79	-3,550.12	-754.70	2,323.10	2,223.73	99.36	23.379		
7,000.00	5,299.20	11,069.29	7,131.88	78.52	79.56	-146.79	-3,604.71	-758.31	2,288.57	2,186.50	102.07	22.421		
7,100.00	5,365.15	11,007.23	7,132.53	79.94	78.53	-145.63	-3,666.64	-762.31	2,256.26	2,151.45	104.80	21.528		
7,200.00	5,431.10	10,966.00	7,133.22	81.36	77.84	-144.86	-3,707.78	-764.95	2,226.30	2,118.66	107.64	20.683		
7,300.00	5,497.06	10,923.14	7,134.34	82.79	77.13	-144.04	-3,750.57	-767.14	2,199.34	2,088.84	110.49	19.905		
7,400.00	5,563.01	10,796.89	7,135.40	84.21	75.03	-141.59	-3,876.60	-774.25	2,173.05	2,059.83	113.22	19.193		
7,500.00	5,628.97	10,712.00	7,136.08	85.63	73.63	-139.93	-3,961.29	-780.13	2,148.80	2,032.77	116.04	18.518		
7,600.00	5,694.92	10,639.08	7,135.95	87.06	72.43	-138.47	-4,034.07	-784.66	2,126.71	2,007.79	118.92	17.884		
7,700.00	5,760.87	10,563.57	7,135.81	88.48	71.19	-136.95	-4,109.35	-790.48	2,106.20	1,984.44	121.76	17.298		
7,800.00	5,826.83	10,522.00	7,135.51	89.90	70.51	-136.10	-4,150.83	-793.08	2,088.62	1,963.97	124.64	16.757		
7,900.00	5,892.78	10,500.42	7,135.21	91.33	70.15	-135.65	-4,172.40	-793.81	2,074.72	1,947.27	127.45	16.278		
8,000.00	5,958.74	10,458.00	7,134.53	92.75	69.45	-134.75	-4,214.81	-794.31	2,064.65	1,934.46	130.19	15.859		
8,100.00	6,024.69	10,427.00	7,134.02	94.17	68.94	-134.08	-4,245.80	-794.50	2,057.93	1,925.18	132.76	15.501		
8,200.00	6,090.64	10,395.00	7,133.65	95.60	68.41	-133.40	-4,277.80	-794.17	2,055.12	1,919.95	135.17	15.204		
8,243.14	6,119.10	10,350.09	7,133.13	96.21	67.66	-132.43	-4,322.70	-793.35	2,054.88	1,918.56	136.32	15.074 CC		
8,300.00	6,156.60	10,332.00	7,132.97	97.02	67.36	-132.04	-4,340.78	-793.04	2,055.48	1,917.89	137.59	14.940 ES		
8,400.00	6,222.55	10,298.59	7,132.72	98.45	66.81	-131.31	-4,374.17	-791.98	2,059.62	1,919.95	139.67	14.746		
8,500.00	6,288.51	10,236.00	7,131.60	99.87	65.77	-129.95	-4,436.71	-789.56	2,066.80	1,925.02	141.78	14.577		
8,600.00	6,354.46	10,202.38	7,130.82	101.29	65.22	-129.21	-4,470.27	-787.84	2,077.59	1,934.09	143.50	14.478		
8,700.00	6,420.41	10,137.90	7,130.42	102.72	64.15	-127.82	-4,534.66	-784.54	2,091.60	1,946.33	145.27	14.398		
8,800.00	6,486.37	10,053.31	7,130.74	104.14	62.77	-126.02	-4,619.17	-780.99	2,108.04	1,961.03	147.01	14.340 SF		
8,900.00	6,552.32	10,013.37	7,130.13	105.57	62.11	-125.16	-4,659.05	-778.86	2,127.48	1,979.26	148.22	14.354		
9,000.00	6,618.28	9,947.21	7,129.26	106.99	61.03	-123.76	-4,725.11	-775.42	2,149.64	2,000.16	149.48	14.381		
9,100.00	6,684.23	9,873.79	7,127.98	108.42	59.84	-122.21	-4,798.44	-772.00	2,174.00	2,023.36	150.64	14.431		
9,200.00	6,750.18	9,845.40	7,127.51	109.84	59.38	-121.61	-4,826.78	-770.34	2,201.59	2,050.37	151.22	14.559		
9,300.00	6,816.14	9,720.58	7,126.12	111.26	57.37	-119.04	-4,951.41	-763.89	2,231.59	2,079.06	152.54	14.630		
9,400.00	6,882.09	9,572.00	7,125.18	112.69	55.00	-116.09	-5,099.95	-762.02	2,261.21	2,107.38	153.82	14.700		
9,500.00	6,948.05	9,555.36	7,125.28	114.11	54.74	-115.77	-5,116.59	-761.91	2,292.68	2,138.72	153.96	14.891		
9,600.00	7,014.00	9,454.84	7,126.22	115.54	53.16	-113.85	-5,217.08	-760.81	2,326.79	2,172.17	154.62	15.049		
9,700.00	7,079.88	9,426.46	7,126.16	116.97	52.72	-114.73	-5,245.47	-760.65	2,362.64	2,208.04	154.60	15.282		
9,800.00	7,142.10	9,350.00	7,126.34	118.48	51.53	-120.47	-5,321.91	-759.30	2,411.45	2,256.51	154.93	15.564		
9,900.00	7,197.32	9,314.92	7,126.51	120.08	50.98	-125.33	-5,356.99	-758.72	2,475.74	2,320.80	154.94	15.978		
10,000.00	7,243.87	9,194.02	7,126.58	121.71	49.13	-126.11	-5,477.88	-759.09	2,552.15	2,396.47	155.68	16.393		
10,100.00	7,280.34	9,178.16	7,126.61	123.32	48.89	-127.22	-5,493.74	-759.27	2,639.01	2,483.36	155.65	16.955		
10,200.00	7,305.62	9,159.00	7,126.53	124.84	48.60	-124.43	-5,512.90	-759.28	2,733.53	2,577.84	155.69	17.558		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 12-T6N-R67W - SIMONSEN 1Q-241 - Wellbore #1 - Wellbore #1		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	7,318.93	9,159.00	7,126.53	126.22	48.60	-100.93	-5,512.90	-759.28	2,832.22	2,676.58	155.64	18.197				
10,400.00	7,321.00	9,159.00	7,126.53	127.44	48.60	1.18	-5,512.90	-759.28	2,932.08	2,776.42	155.66	18.836				
10,500.00	7,321.00	9,159.00	7,126.53	128.66	48.60	1.18	-5,512.90	-759.28	3,031.92	2,876.23	155.69	19.474				
10,600.00	7,321.00	9,159.00	7,126.53	129.91	48.60	1.18	-5,512.90	-759.28	3,131.78	2,976.06	155.72	20.112				
10,700.00	7,321.00	9,159.00	7,126.53	131.19	48.60	1.18	-5,512.90	-759.28	3,231.64	3,075.89	155.74	20.750				
10,800.00	7,321.00	9,159.00	7,126.53	132.51	48.60	1.18	-5,512.90	-759.28	3,331.51	3,175.74	155.77	21.388				
10,900.00	7,321.00	9,159.00	7,126.53	133.87	48.60	1.18	-5,512.90	-759.28	3,431.39	3,275.60	155.79	22.025				
11,000.00	7,321.00	9,159.00	7,126.53	135.26	48.60	1.18	-5,512.90	-759.28	3,531.27	3,375.46	155.82	22.663				
11,100.00	7,321.00	9,159.00	7,126.53	136.68	48.60	1.18	-5,512.90	-759.28	3,631.17	3,475.33	155.84	23.301				
11,200.00	7,321.00	9,159.00	7,126.53	138.14	48.60	1.18	-5,512.90	-759.28	3,731.06	3,575.20	155.86	23.939				
11,300.00	7,321.00	9,159.00	7,126.53	139.63	48.60	1.18	-5,512.90	-759.28	3,830.97	3,675.09	155.88	24.576				
11,400.00	7,321.00	9,159.00	7,126.53	141.15	48.60	1.18	-5,512.90	-759.28	3,930.87	3,774.97	155.90	25.214				
11,500.00	7,321.00	9,159.00	7,126.53	142.70	48.60	1.18	-5,512.90	-759.28	4,030.79	3,874.87	155.92	25.851				
11,600.00	7,321.00	9,159.00	7,126.53	144.29	48.60	1.18	-5,512.90	-759.28	4,130.70	3,974.76	155.94	26.489				
11,700.00	7,321.00	9,159.00	7,126.53	145.91	48.60	1.18	-5,512.90	-759.28	4,230.62	4,074.66	155.96	27.126				
11,800.00	7,321.00	9,159.00	7,126.53	147.55	48.60	1.18	-5,512.90	-759.28	4,330.55	4,174.57	155.98	27.763				
11,900.00	7,321.00	9,159.00	7,126.53	149.23	48.60	1.18	-5,512.90	-759.28	4,430.48	4,274.48	156.00	28.400				
12,000.00	7,321.00	9,159.00	7,126.53	150.93	48.60	1.18	-5,512.90	-759.28	4,530.41	4,374.39	156.02	29.037				
12,100.00	7,321.00	9,159.00	7,126.53	152.67	48.60	1.18	-5,512.90	-759.28	4,630.34	4,474.30	156.04	29.674				
12,200.00	7,321.00	9,159.00	7,126.53	154.43	48.60	1.18	-5,512.90	-759.28	4,730.28	4,574.22	156.06	30.311				
12,300.00	7,321.00	9,159.00	7,126.53	156.22	48.60	1.18	-5,512.90	-759.28	4,830.22	4,674.14	156.08	30.948				
12,400.00	7,321.00	9,159.00	7,126.53	158.04	48.60	1.18	-5,512.90	-759.28	4,930.16	4,774.06	156.09	31.584				
12,500.00	7,321.00	9,159.00	7,126.53	159.88	48.60	1.18	-5,512.90	-759.28	5,030.10	4,873.99	156.11	32.221				
12,600.00	7,321.00	9,159.00	7,126.53	161.75	48.60	1.18	-5,512.90	-759.28	5,130.05	4,973.92	156.13	32.857				
12,700.00	7,321.00	9,159.00	7,126.53	163.64	48.60	1.18	-5,512.90	-759.28	5,230.00	5,073.85	156.15	33.493				
12,800.00	7,321.00	9,159.00	7,126.53	165.56	48.60	1.18	-5,512.90	-759.28	5,329.95	5,173.78	156.17	34.129				
12,900.00	7,321.00	9,159.00	7,126.53	167.49	48.60	1.18	-5,512.90	-759.28	5,429.90	5,273.71	156.19	34.765				
13,000.00	7,321.00	9,159.00	7,126.53	169.46	48.60	1.18	-5,512.90	-759.28	5,529.85	5,373.65	156.21	35.401				
13,100.00	7,321.00	9,159.00	7,126.53	171.44	48.60	1.18	-5,512.90	-759.28	5,629.81	5,473.58	156.23	36.036				
13,200.00	7,321.00	9,159.00	7,126.53	173.45	48.60	1.18	-5,512.90	-759.28	5,729.77	5,573.52	156.24	36.672				
13,300.00	7,321.00	9,159.00	7,126.53	175.47	48.60	1.18	-5,512.90	-759.28	5,829.72	5,673.46	156.26	37.307				
13,400.00	7,321.00	9,159.00	7,126.53	177.52	48.60	1.18	-5,512.90	-759.28	5,929.68	5,773.40	156.28	37.942				
13,500.00	7,321.00	9,159.00	7,126.53	179.58	48.60	1.18	-5,512.90	-759.28	6,029.65	5,873.34	156.30	38.577				
13,600.00	7,321.00	9,159.00	7,126.53	181.67	48.60	1.18	-5,512.90	-759.28	6,129.61	5,973.29	156.32	39.212				
13,700.00	7,321.00	9,159.00	7,126.53	183.77	48.60	1.18	-5,512.90	-759.28	6,229.57	6,073.23	156.34	39.846				
13,800.00	7,321.00	9,159.00	7,126.53	185.89	48.60	1.18	-5,512.90	-759.28	6,329.54	6,173.18	156.36	40.480				
13,900.00	7,321.00	9,159.00	7,126.53	188.02	48.60	1.18	-5,512.90	-759.28	6,429.50	6,273.12	156.38	41.115				
14,000.00	7,321.00	9,159.00	7,126.53	190.18	48.60	1.18	-5,512.90	-759.28	6,529.47	6,373.07	156.40	41.749				
14,100.00	7,321.00	9,159.00	7,126.53	192.35	48.60	1.18	-5,512.90	-759.28	6,629.44	6,473.02	156.42	42.382				
14,200.00	7,321.00	9,159.00	7,126.53	194.53	48.60	1.18	-5,512.90	-759.28	6,729.41	6,572.97	156.44	43.016				
14,300.00	7,321.00	9,159.00	7,126.53	196.73	48.60	1.18	-5,512.90	-759.28	6,829.38	6,672.92	156.46	43.649				
14,400.00	7,321.00	9,159.00	7,126.53	198.95	48.60	1.18	-5,512.90	-759.28	6,929.35	6,772.87	156.48	44.283				
14,500.00	7,321.00	9,159.00	7,126.53	201.17	48.60	1.18	-5,512.90	-759.28	7,029.32	6,872.82	156.50	44.916				
14,600.00	7,321.00	9,159.00	7,126.53	203.42	48.60	1.18	-5,512.90	-759.28	7,129.29	6,972.77	156.52	45.548				
14,700.00	7,321.00	9,159.00	7,126.53	205.67	48.60	1.18	-5,512.90	-759.28	7,229.26	7,072.72	156.54	46.181				
14,800.00	7,321.00	9,159.00	7,126.53	207.94	48.60	1.18	-5,512.90	-759.28	7,329.24	7,172.68	156.56	46.813				
14,900.00	7,321.00	9,159.00	7,126.53	210.22	48.60	1.18	-5,512.90	-759.28	7,429.21	7,272.63	156.58	47.446				
15,000.00	7,321.00	9,159.00	7,126.53	212.51	48.60	1.18	-5,512.90	-759.28	7,529.19	7,372.58	156.61	48.078				
15,100.00	7,321.00	9,159.00	7,126.53	214.81	48.60	1.18	-5,512.90	-759.28	7,629.16	7,472.54	156.63	48.709				
15,200.00	7,321.00	9,159.00	7,126.53	217.12	48.60	1.18	-5,512.90	-759.28	7,729.14	7,572.49	156.65	49.341				
15,300.00	7,321.00	9,159.00	7,126.53	219.45	48.60	1.18	-5,512.90	-759.28	7,829.12	7,672.45	156.67	49.972				
15,400.00	7,321.00	9,159.00	7,126.53	221.78	48.60	1.18	-5,512.90	-759.28	7,929.10	7,772.40	156.69	50.603				

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,321.00	9,159.00	7,126.53	224.13	48.60	1.18	-5,512.90	-759.28	8,029.07	7,872.36	156.71	51.234	
15,600.00	7,321.00	9,159.00	7,126.53	226.48	48.60	1.18	-5,512.90	-759.28	8,129.05	7,972.32	156.74	51.864	
15,700.00	7,321.00	9,159.00	7,126.53	228.85	48.60	1.18	-5,512.90	-759.28	8,229.03	8,072.27	156.76	52.495	
15,800.00	7,321.00	9,159.00	7,126.53	231.22	48.60	1.18	-5,512.90	-759.28	8,329.01	8,172.23	156.78	53.125	
15,900.00	7,321.00	9,159.00	7,126.53	233.60	48.60	1.18	-5,512.90	-759.28	8,428.99	8,272.19	156.80	53.755	
16,000.00	7,321.00	9,159.00	7,126.53	235.99	48.60	1.18	-5,512.90	-759.28	8,528.97	8,372.14	156.83	54.384	
16,100.00	7,321.00	9,159.00	7,126.53	238.39	48.60	1.18	-5,512.90	-759.28	8,628.95	8,472.10	156.85	55.014	
16,200.00	7,321.00	9,159.00	7,126.53	240.79	48.60	1.18	-5,512.90	-759.28	8,728.93	8,572.06	156.87	55.643	
16,300.00	7,321.00	9,159.00	7,126.53	243.21	48.60	1.18	-5,512.90	-759.28	8,828.92	8,672.02	156.90	56.272	
16,400.00	7,321.00	9,159.00	7,126.53	245.63	48.60	1.18	-5,512.90	-759.28	8,928.90	8,771.98	156.92	56.900	
16,500.00	7,321.00	9,159.00	7,126.53	248.06	48.60	1.18	-5,512.90	-759.28	9,028.88	8,871.94	156.95	57.528	
16,600.00	7,321.00	9,159.00	7,126.53	250.49	48.60	1.18	-5,512.90	-759.28	9,128.87	8,971.89	156.97	58.157	
16,700.00	7,321.00	9,159.00	7,126.53	252.93	48.60	1.18	-5,512.90	-759.28	9,228.85	9,071.85	157.00	58.784	
16,800.00	7,321.00	9,159.00	7,126.53	255.38	48.60	1.18	-5,512.90	-759.28	9,328.83	9,171.81	157.02	59.412	
16,900.00	7,321.00	9,159.00	7,126.53	257.84	48.60	1.18	-5,512.90	-759.28	9,428.82	9,271.77	157.04	60.039	
17,000.00	7,321.00	9,159.00	7,126.53	260.30	48.60	1.18	-5,512.90	-759.28	9,528.80	9,371.73	157.07	60.666	
17,100.00	7,321.00	9,159.00	7,126.53	262.76	48.60	1.18	-5,512.90	-759.28	9,628.79	9,471.69	157.09	61.293	
17,200.00	7,321.00	9,159.00	7,126.53	265.24	48.60	1.18	-5,512.90	-759.28	9,728.77	9,571.65	157.12	61.919	
17,300.00	7,321.00	9,159.00	7,126.53	267.72	48.60	1.18	-5,512.90	-759.28	9,828.76	9,671.61	157.15	62.545	
17,400.00	7,321.00	9,159.00	7,126.53	270.20	48.60	1.18	-5,512.90	-759.28	9,928.74	9,771.57	157.17	63.171	
17,500.00	7,321.00	9,159.00	7,126.53	272.69	48.60	1.18	-5,512.90	-759.28	10,028.73	9,871.53	157.20	63.797	
17,600.00	7,321.00	9,159.00	7,126.53	275.18	48.60	1.18	-5,512.90	-759.28	10,128.72	9,971.49	157.22	64.422	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	-94.93	-197.71	-2,293.05	2,301.56					
100.00	100.00	111.00	111.00	0.27	0.19	-94.93	-197.71	-2,293.05	2,301.56	2,301.10	0.46	5,015.987		
200.00	200.00	211.00	211.00	0.63	0.55	-94.93	-197.71	-2,293.05	2,301.56	2,300.38	1.18	1,957.460		
300.00	300.00	311.00	311.00	0.99	0.91	-94.93	-197.71	-2,293.05	2,301.56	2,299.66	1.89	1,215.998		
400.00	400.00	411.00	411.00	1.34	1.27	-94.93	-197.71	-2,293.05	2,301.56	2,298.95	2.61	881.933		
500.00	499.98	510.98	510.98	1.69	1.62	54.53	-197.71	-2,293.05	2,300.54	2,297.23	3.31	694.826		
600.00	599.84	610.84	610.84	2.03	1.98	54.69	-197.71	-2,293.05	2,297.51	2,293.50	4.01	573.367		
700.00	699.45	710.45	710.45	2.38	2.34	54.95	-197.71	-2,293.05	2,292.47	2,287.76	4.72	486.174		
800.00	798.70	809.70	809.70	2.75	2.69	55.31	-197.71	-2,293.05	2,285.47	2,280.03	5.44	420.328		
900.00	897.47	908.47	908.47	3.15	3.05	55.78	-197.71	-2,293.05	2,276.55	2,270.37	6.18	368.611		
1,000.00	995.62	1,006.62	1,006.62	3.58	3.40	56.36	-197.71	-2,293.05	2,265.76	2,258.82	6.93	326.718		
1,100.00	1,093.06	1,104.06	1,104.06	4.04	3.75	57.04	-197.71	-2,293.05	2,253.18	2,245.47	7.72	291.940		
1,200.00	1,189.64	1,200.64	1,200.64	4.54	4.10	57.82	-197.71	-2,293.05	2,238.91	2,230.38	8.53	262.498		
1,300.00	1,285.27	1,296.27	1,296.27	5.08	4.44	58.72	-197.71	-2,293.05	2,223.03	2,213.66	9.37	237.181		
1,400.00	1,379.82	1,390.82	1,390.82	5.67	4.78	59.71	-197.71	-2,293.05	2,205.67	2,195.42	10.25	215.138		
1,500.00	1,473.17	1,484.17	1,484.17	6.30	5.11	60.82	-197.71	-2,293.05	2,186.97	2,175.80	11.17	195.754		
1,600.00	1,565.21	1,576.21	1,576.21	6.99	5.44	62.02	-197.71	-2,293.05	2,167.07	2,154.93	12.14	178.574		
1,700.00	1,655.84	1,666.84	1,666.84	7.73	5.77	63.32	-197.71	-2,293.05	2,146.13	2,132.99	13.15	163.254		
1,800.00	1,744.94	1,755.94	1,755.94	8.52	6.09	64.73	-197.71	-2,293.05	2,124.35	2,110.14	14.21	149.528		
1,900.00	1,832.39	1,843.39	1,843.39	9.37	6.40	66.22	-197.71	-2,293.05	2,101.93	2,086.60	15.32	137.188		
2,000.00	1,918.11	1,929.11	1,929.11	10.27	6.71	67.79	-197.71	-2,293.05	2,079.07	2,062.58	16.49	126.064		
2,100.00	2,001.97	2,012.97	2,012.97	11.22	7.01	69.44	-197.71	-2,293.05	2,056.04	2,038.32	17.72	116.022		
2,200.00	2,083.88	2,094.88	2,094.88	12.23	7.30	71.16	-197.71	-2,293.05	2,033.07	2,014.06	19.01	106.948		
2,300.00	2,163.74	2,174.74	2,174.74	13.29	7.59	72.93	-197.71	-2,293.05	2,010.46	1,990.10	20.36	98.747		
2,400.00	2,241.45	2,252.45	2,252.45	14.40	7.87	74.75	-197.71	-2,293.05	1,988.48	1,966.71	21.77	91.338		
2,500.00	2,316.92	2,327.92	2,327.92	15.57	8.14	76.58	-197.71	-2,293.05	1,967.45	1,944.21	23.24	84.652		
2,600.00	2,390.05	2,401.05	2,401.05	16.78	8.40	78.43	-197.71	-2,293.05	1,947.69	1,922.92	24.77	78.629		
2,700.00	2,460.76	2,471.76	2,471.76	18.05	8.65	80.27	-197.71	-2,293.05	1,929.54	1,903.18	26.35	73.216		
2,800.00	2,528.95	2,539.95	2,539.95	19.37	8.90	82.09	-197.71	-2,293.05	1,913.33	1,885.34	27.99	68.365		
2,900.00	2,595.08	2,606.08	2,606.08	20.72	9.13	83.69	-197.71	-2,293.05	1,899.49	1,869.84	29.65	64.055		
3,000.00	2,661.04	2,672.04	2,672.04	22.08	9.37	85.19	-197.71	-2,293.05	1,888.51	1,857.18	31.33	60.278		
3,100.00	2,726.99	2,737.99	2,737.99	23.46	9.61	86.70	-197.71	-2,293.05	1,880.48	1,847.47	33.00	56.980		
3,200.00	2,792.94	2,803.94	2,803.94	24.84	9.84	88.21	-197.71	-2,293.05	1,875.42	1,840.76	34.66	54.106		
3,300.00	2,858.90	2,869.90	2,869.90	26.22	10.08	89.73	-197.71	-2,293.05	1,873.37	1,837.07	36.30	51.607		
3,318.02	2,870.78	2,881.78	2,881.78	26.47	10.12	90.00	-197.71	-2,293.05	1,873.32	1,836.73	36.59	51.192 CC		
3,400.00	2,924.85	2,935.85	2,935.85	27.61	10.32	91.24	-197.71	-2,293.05	1,874.34	1,836.42	37.91	49.439 ES		
3,500.00	2,990.81	3,001.81	3,001.81	29.00	10.55	92.76	-197.71	-2,293.05	1,878.31	1,838.82	39.49	47.567		
3,600.00	3,056.76	3,067.76	3,067.76	30.40	10.79	94.27	-197.71	-2,293.05	1,885.28	1,844.25	41.02	45.956		
3,700.00	3,122.71	3,133.71	3,133.71	31.80	11.03	95.77	-197.71	-2,293.05	1,895.20	1,852.69	42.51	44.580		
3,800.00	3,188.67	3,199.67	3,199.67	33.20	11.26	97.27	-197.71	-2,293.05	1,908.03	1,864.08	43.95	43.412		
3,900.00	3,254.62	3,265.62	3,265.62	34.60	11.50	98.76	-197.71	-2,293.05	1,923.72	1,878.39	45.34	42.432		
4,000.00	3,320.58	3,331.58	3,331.58	36.01	11.73	100.23	-197.71	-2,293.05	1,942.20	1,895.53	46.67	41.619		
4,100.00	3,386.53	3,397.53	3,397.53	37.41	11.97	101.69	-197.71	-2,293.05	1,963.37	1,915.44	47.94	40.957		
4,200.00	3,452.48	3,463.48	3,463.48	38.82	12.21	103.14	-197.71	-2,293.05	1,987.17	1,938.02	49.15	40.429		
4,300.00	3,518.44	3,529.44	3,529.44	40.23	12.44	104.57	-197.71	-2,293.05	2,013.50	1,963.19	50.31	40.023		
4,400.00	3,584.39	3,595.39	3,595.39	41.64	12.68	105.98	-197.71	-2,293.05	2,042.25	1,990.84	51.41	39.725		
4,500.00	3,650.35	3,661.35	3,661.35	43.05	12.92	107.37	-197.71	-2,293.05	2,073.33	2,020.88	52.45	39.526		
4,600.00	3,716.30	3,727.30	3,727.30	44.46	13.15	108.74	-197.71	-2,293.05	2,106.64	2,053.19	53.45	39.415		
4,700.00	3,782.25	3,793.25	3,793.25	45.88	13.39	110.09	-197.71	-2,293.05	2,142.06	2,087.67	54.39	39.384 SF		
4,800.00	3,848.21	3,859.21	3,859.21	47.29	13.63	111.41	-197.71	-2,293.05	2,179.51	2,124.22	55.28	39.424		
4,900.00	3,914.16	3,925.16	3,925.16	48.71	13.86	112.72	-197.71	-2,293.05	2,218.87	2,162.73	56.13	39.528		
5,000.00	3,980.12	3,991.12	3,991.12	50.12	14.10	113.99	-197.71	-2,293.05	2,260.04	2,203.10	56.94	39.690		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	4,046.07	4,057.07	4,057.07	51.54	14.34	115.25	-197.71	-2,293.05	2,302.93	2,245.22	57.71	39.904		
5,200.00	4,112.02	4,123.02	4,123.02	52.95	14.57	116.48	-197.71	-2,293.05	2,347.45	2,289.00	58.45	40.165		
5,300.00	4,177.98	4,188.98	4,188.98	54.37	14.81	117.68	-197.71	-2,293.05	2,393.50	2,334.35	59.15	40.467		
5,400.00	4,243.93	4,254.93	4,254.93	55.79	15.04	118.85	-197.71	-2,293.05	2,440.99	2,381.17	59.82	40.807		
5,500.00	4,309.89	4,320.89	4,320.89	57.21	15.28	120.00	-197.71	-2,293.05	2,489.85	2,429.39	60.46	41.179		
5,600.00	4,375.84	4,386.84	4,386.84	58.63	15.52	121.13	-197.71	-2,293.05	2,540.00	2,478.91	61.08	41.582		
5,700.00	4,441.79	4,452.79	4,452.79	60.05	15.75	122.23	-197.71	-2,293.05	2,591.35	2,529.67	61.68	42.011		
5,800.00	4,507.75	4,518.75	4,518.75	61.47	15.99	123.30	-197.71	-2,293.05	2,643.84	2,581.58	62.26	42.463		
5,900.00	4,573.70	4,584.70	4,584.70	62.89	16.23	124.34	-197.71	-2,293.05	2,697.41	2,634.59	62.82	42.936		
6,000.00	4,639.66	4,650.66	4,650.66	64.31	16.46	125.37	-197.71	-2,293.05	2,751.99	2,688.62	63.37	43.427		
6,100.00	4,705.61	4,716.61	4,716.61	65.73	16.70	126.36	-197.71	-2,293.05	2,807.52	2,743.62	63.90	43.933		
6,200.00	4,771.56	4,782.56	4,782.56	67.15	16.94	127.33	-197.71	-2,293.05	2,863.95	2,799.52	64.43	44.454		
6,300.00	4,837.52	4,848.52	4,848.52	68.57	17.17	128.28	-197.71	-2,293.05	2,921.22	2,856.28	64.94	44.986		
6,400.00	4,903.47	4,914.47	4,914.47	69.99	17.41	129.20	-197.71	-2,293.05	2,979.28	2,913.84	65.44	45.528		
6,500.00	4,969.43	4,980.43	4,980.43	71.41	17.65	130.10	-197.71	-2,293.05	3,038.10	2,972.17	65.93	46.079		
6,600.00	5,035.38	5,046.38	5,046.38	72.83	17.88	130.98	-197.71	-2,293.05	3,097.62	3,031.20	66.42	46.637		
6,700.00	5,101.33	5,112.33	5,112.33	74.25	18.12	131.83	-197.71	-2,293.05	3,157.81	3,090.91	66.90	47.200		
6,800.00	5,167.29	5,178.29	5,178.29	75.67	18.35	132.66	-197.71	-2,293.05	3,218.63	3,151.25	67.38	47.768		
6,900.00	5,233.24	5,244.24	5,244.24	77.10	18.59	133.47	-197.71	-2,293.05	3,280.05	3,212.19	67.85	48.339		
7,000.00	5,299.20	5,310.20	5,310.20	78.52	18.83	134.26	-197.71	-2,293.05	3,342.03	3,273.70	68.33	48.913		
7,100.00	5,365.15	5,376.15	5,376.15	79.94	19.06	135.02	-197.71	-2,293.05	3,404.53	3,335.74	68.79	49.488		
7,200.00	5,431.10	5,442.10	5,442.10	81.36	19.30	135.77	-197.71	-2,293.05	3,467.55	3,398.28	69.26	50.064		
7,300.00	5,497.06	5,508.06	5,508.06	82.79	19.54	136.50	-197.71	-2,293.05	3,531.03	3,461.30	69.73	50.640		
7,400.00	5,563.01	5,574.01	5,574.01	84.21	19.77	137.21	-197.71	-2,293.05	3,594.97	3,524.78	70.19	51.215		
7,500.00	5,628.97	5,639.97	5,639.97	85.63	20.01	137.90	-197.71	-2,293.05	3,659.33	3,588.68	70.66	51.789		
7,600.00	5,694.92	5,705.92	5,705.92	87.06	20.25	138.57	-197.71	-2,293.05	3,724.10	3,652.98	71.12	52.360		
7,700.00	5,760.87	5,771.87	5,771.87	88.48	20.48	139.23	-197.71	-2,293.05	3,789.26	3,717.67	71.59	52.929		
7,800.00	5,826.83	5,837.83	5,837.83	89.90	20.72	139.87	-197.71	-2,293.05	3,854.78	3,782.72	72.06	53.496		
7,900.00	5,892.78	5,903.78	5,903.78	91.33	20.96	140.49	-197.71	-2,293.05	3,920.64	3,848.11	72.53	54.058		
8,000.00	5,958.74	5,969.74	5,969.74	92.75	21.19	141.09	-197.71	-2,293.05	3,986.83	3,913.84	73.00	54.617		
8,100.00	6,024.69	6,035.69	6,035.69	94.17	21.43	141.68	-197.71	-2,293.05	4,053.34	3,979.87	73.47	55.172		
8,200.00	6,090.64	6,101.64	6,101.64	95.60	21.66	142.26	-197.71	-2,293.05	4,120.14	4,046.20	73.94	55.723		
8,300.00	6,156.60	6,167.60	6,167.60	97.02	21.90	142.82	-197.71	-2,293.05	4,187.23	4,112.82	74.42	56.269		
8,400.00	6,222.55	6,233.55	6,233.55	98.45	22.14	143.37	-197.71	-2,293.05	4,254.59	4,179.70	74.89	56.810		
8,500.00	6,288.51	6,299.51	6,299.51	99.87	22.37	143.90	-197.71	-2,293.05	4,322.20	4,246.83	75.37	57.345		
8,600.00	6,354.46	6,365.46	6,365.46	101.29	22.61	144.42	-197.71	-2,293.05	4,390.06	4,314.21	75.85	57.876		
8,700.00	6,420.41	6,431.41	6,431.41	102.72	22.85	144.93	-197.71	-2,293.05	4,458.16	4,381.82	76.34	58.401		
8,800.00	6,486.37	6,497.37	6,497.37	104.14	23.08	145.42	-197.71	-2,293.05	4,526.48	4,449.65	76.82	58.920		
8,900.00	6,552.32	6,563.32	6,563.32	105.57	23.32	145.90	-197.71	-2,293.05	4,595.01	4,517.70	77.31	59.434		
9,000.00	6,618.28	6,629.28	6,629.28	106.99	23.56	146.37	-197.71	-2,293.05	4,663.75	4,585.94	77.80	59.942		
9,100.00	6,684.23	6,695.23	6,695.23	108.42	23.79	146.83	-197.71	-2,293.05	4,732.68	4,654.38	78.30	60.444		
9,200.00	6,750.18	6,761.18	6,761.18	109.84	24.03	147.28	-197.71	-2,293.05	4,801.80	4,723.00	78.80	60.940		
9,300.00	6,816.14	6,827.14	6,827.14	111.26	24.27	147.72	-197.71	-2,293.05	4,871.10	4,791.80	79.30	61.429		
9,400.00	6,882.09	6,893.09	6,893.09	112.69	24.50	148.15	-197.71	-2,293.05	4,940.57	4,860.77	79.80	61.913		
9,500.00	6,948.05	6,959.05	6,959.05	114.11	24.74	148.56	-197.71	-2,293.05	5,010.21	4,929.90	80.30	62.391		
9,600.00	7,014.00	7,025.00	7,025.00	115.54	24.97	148.97	-197.71	-2,293.05	5,080.00	4,999.19	80.81	62.862		
9,700.00	7,079.88	7,090.88	7,090.88	116.97	25.21	149.31	-197.71	-2,293.05	5,149.91	5,068.59	81.32	63.327		
9,800.00	7,145.83	7,156.83	7,156.83	118.48	25.43	149.67	-197.71	-2,293.05	5,218.14	5,136.33	81.82	63.779		
9,900.00	7,197.32	7,208.32	7,208.32	120.08	25.63	150.00	-197.71	-2,293.05	5,282.45	5,200.17	82.28	64.202		
10,000.00	7,243.87	7,254.87	7,254.87	121.71	25.80	150.30	-197.71	-2,293.05	5,341.29	5,258.58	82.71	64.582		
10,100.00	7,280.34	7,291.34	7,291.34	123.32	25.93	150.55	-197.71	-2,293.05	5,393.31	5,310.22	83.09	64.910		
10,200.00	7,305.62	7,316.62	7,316.62	124.84	26.02	150.75	-197.71	-2,293.05	5,437.38	5,353.95	83.43	65.176		

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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,318.93	7,329.93	7,329.93	126.22	26.07	91.31	-197.71	-2,293.05	5,472.51	5,388.80	83.71	65.372		
10,400.00	7,321.00	7,332.00	7,332.00	127.44	26.08	90.00	-197.71	-2,293.05	5,498.97	5,415.02	83.95	65.500		
10,500.00	7,321.00	7,332.00	7,332.00	128.66	26.08	90.00	-197.71	-2,293.05	5,525.19	5,440.98	84.21	65.609		
10,600.00	7,321.00	7,332.00	7,332.00	129.91	26.08	90.00	-197.71	-2,293.05	5,553.08	5,468.58	84.50	65.716		
10,700.00	7,321.00	7,332.00	7,332.00	131.19	26.08	90.00	-197.71	-2,293.05	5,582.63	5,497.82	84.81	65.821		
10,800.00	7,321.00	7,332.00	7,332.00	132.51	26.08	90.00	-197.71	-2,293.05	5,613.80	5,528.65	85.15	65.926		
10,900.00	7,321.00	7,332.00	7,332.00	133.87	26.08	90.00	-197.71	-2,293.05	5,646.58	5,561.06	85.51	66.032		
11,000.00	7,321.00	7,332.00	7,332.00	135.26	26.08	90.00	-197.71	-2,293.05	5,680.92	5,595.02	85.89	66.139		
11,100.00	7,321.00	7,332.00	7,332.00	136.68	26.08	90.00	-197.71	-2,293.05	5,716.80	5,630.51	86.29	66.248		
11,200.00	7,321.00	7,332.00	7,332.00	138.14	26.08	90.00	-197.71	-2,293.05	5,754.21	5,667.50	86.71	66.362		
11,300.00	7,321.00	7,332.00	7,332.00	139.63	26.08	90.00	-197.71	-2,293.05	5,793.09	5,705.95	87.14	66.479		
11,400.00	7,321.00	7,332.00	7,332.00	141.15	26.08	90.00	-197.71	-2,293.05	5,833.43	5,745.85	87.59	66.602		
11,500.00	7,321.00	7,332.00	7,332.00	142.70	26.08	90.00	-197.71	-2,293.05	5,875.20	5,787.16	88.04	66.731		
11,600.00	7,321.00	7,332.00	7,332.00	144.29	26.08	90.00	-197.71	-2,293.05	5,918.36	5,829.85	88.51	66.867		
11,700.00	7,321.00	7,332.00	7,332.00	145.91	26.08	90.00	-197.71	-2,293.05	5,962.89	5,873.90	88.98	67.011		
11,800.00	7,321.00	7,332.00	7,332.00	147.55	26.08	90.00	-197.71	-2,293.05	6,008.75	5,919.28	89.47	67.162		
11,900.00	7,321.00	7,332.00	7,332.00	149.23	26.08	90.00	-197.71	-2,293.05	6,055.91	5,965.96	89.95	67.322		
12,000.00	7,321.00	7,332.00	7,332.00	150.93	26.08	90.00	-197.71	-2,293.05	6,104.35	6,013.90	90.45	67.491		
12,100.00	7,321.00	7,332.00	7,332.00	152.67	26.08	90.00	-197.71	-2,293.05	6,154.03	6,063.09	90.94	67.669		
12,200.00	7,321.00	7,332.00	7,332.00	154.43	26.08	90.00	-197.71	-2,293.05	6,204.93	6,113.49	91.44	67.858		
12,300.00	7,321.00	7,332.00	7,332.00	156.22	26.08	90.00	-197.71	-2,293.05	6,257.01	6,165.07	91.94	68.056		
12,400.00	7,321.00	7,332.00	7,332.00	158.04	26.08	90.00	-197.71	-2,293.05	6,310.24	6,217.80	92.44	68.264		
12,500.00	7,321.00	7,332.00	7,332.00	159.88	26.08	90.00	-197.71	-2,293.05	6,364.60	6,271.67	92.94	68.483		
12,600.00	7,321.00	7,332.00	7,332.00	161.75	26.08	90.00	-197.71	-2,293.05	6,420.06	6,326.63	93.43	68.712		
12,700.00	7,321.00	7,332.00	7,332.00	163.64	26.08	90.00	-197.71	-2,293.05	6,476.59	6,382.66	93.93	68.952		
12,800.00	7,321.00	7,332.00	7,332.00	165.56	26.08	90.00	-197.71	-2,293.05	6,534.16	6,439.74	94.42	69.203		
12,900.00	7,321.00	7,332.00	7,332.00	167.49	26.08	90.00	-197.71	-2,293.05	6,592.74	6,497.84	94.91	69.464		
13,000.00	7,321.00	7,332.00	7,332.00	169.46	26.08	90.00	-197.71	-2,293.05	6,652.32	6,556.92	95.39	69.736		
13,100.00	7,321.00	7,332.00	7,332.00	171.44	26.08	90.00	-197.71	-2,293.05	6,712.85	6,616.97	95.87	70.018		
13,200.00	7,321.00	7,332.00	7,332.00	173.45	26.08	90.00	-197.71	-2,293.05	6,774.32	6,677.97	96.35	70.311		
13,300.00	7,321.00	7,332.00	7,332.00	175.47	26.08	90.00	-197.71	-2,293.05	6,836.69	6,739.88	96.82	70.614		
13,400.00	7,321.00	7,332.00	7,332.00	177.52	26.08	90.00	-197.71	-2,293.05	6,899.96	6,802.67	97.28	70.927		
13,500.00	7,321.00	7,332.00	7,332.00	179.58	26.08	90.00	-197.71	-2,293.05	6,964.08	6,866.34	97.74	71.251		
13,600.00	7,321.00	7,332.00	7,332.00	181.67	26.08	90.00	-197.71	-2,293.05	7,029.04	6,930.85	98.19	71.585		
13,700.00	7,321.00	7,332.00	7,332.00	183.77	26.08	90.00	-197.71	-2,293.05	7,094.82	6,996.18	98.64	71.928		
13,800.00	7,321.00	7,332.00	7,332.00	185.89	26.08	90.00	-197.71	-2,293.05	7,161.39	7,062.31	99.08	72.281		
13,900.00	7,321.00	7,332.00	7,332.00	188.02	26.08	90.00	-197.71	-2,293.05	7,228.73	7,129.22	99.51	72.644		
14,000.00	7,321.00	7,332.00	7,332.00	190.18	26.08	90.00	-197.71	-2,293.05	7,296.82	7,196.88	99.94	73.015		
14,100.00	7,321.00	7,332.00	7,332.00	192.35	26.08	90.00	-197.71	-2,293.05	7,365.63	7,265.28	100.35	73.396		
14,200.00	7,321.00	7,332.00	7,332.00	194.53	26.08	90.00	-197.71	-2,293.05	7,435.16	7,334.39	100.77	73.786		
14,300.00	7,321.00	7,332.00	7,332.00	196.73	26.08	90.00	-197.71	-2,293.05	7,505.37	7,404.20	101.17	74.184		
14,400.00	7,321.00	7,332.00	7,332.00	198.95	26.08	90.00	-197.71	-2,293.05	7,576.25	7,474.68	101.57	74.591		
14,500.00	7,321.00	7,332.00	7,332.00	201.17	26.08	90.00	-197.71	-2,293.05	7,647.79	7,545.83	101.96	75.006		
14,600.00	7,321.00	7,332.00	7,332.00	203.42	26.08	90.00	-197.71	-2,293.05	7,719.95	7,617.61	102.35	75.429		
14,700.00	7,321.00	7,332.00	7,332.00	205.67	26.08	90.00	-197.71	-2,293.05	7,792.73	7,690.01	102.72	75.860		
14,800.00	7,321.00	7,332.00	7,332.00	207.94	26.08	90.00	-197.71	-2,293.05	7,866.11	7,763.02	103.10	76.299		
14,900.00	7,321.00	7,332.00	7,332.00	210.22	26.08	90.00	-197.71	-2,293.05	7,940.07	7,836.61	103.46	76.745		
15,000.00	7,321.00	7,332.00	7,332.00	212.51	26.08	90.00	-197.71	-2,293.05	8,014.60	7,910.78	103.82	77.199		
15,100.00	7,321.00	7,332.00	7,332.00	214.81	26.08	90.00	-197.71	-2,293.05	8,089.67	7,985.50	104.17	77.659		
15,200.00	7,321.00	7,332.00	7,332.00	217.12	26.08	90.00	-197.71	-2,293.05	8,165.28	8,060.77	104.51	78.127		
15,300.00	7,321.00	7,332.00	7,332.00	219.45	26.08	90.00	-197.71	-2,293.05	8,241.41	8,136.56	104.85	78.601		
15,400.00	7,321.00	7,332.00	7,332.00	221.78	26.08	90.00	-197.71	-2,293.05	8,318.05	8,212.86	105.18	79.081		

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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,321.00	7,332.00	7,332.00	224.13	26.08	90.00	-197.71	-2,293.05	8,395.17	8,289.66	105.51	79.568	
15,600.00	7,321.00	7,332.00	7,332.00	226.48	26.08	90.00	-197.71	-2,293.05	8,472.78	8,366.95	105.83	80.061	
15,700.00	7,321.00	7,332.00	7,332.00	228.85	26.08	90.00	-197.71	-2,293.05	8,550.84	8,444.70	106.14	80.560	
15,800.00	7,321.00	7,332.00	7,332.00	231.22	26.08	90.00	-197.71	-2,293.05	8,629.37	8,522.92	106.45	81.065	
15,900.00	7,321.00	7,332.00	7,332.00	233.60	26.08	90.00	-197.71	-2,293.05	8,708.33	8,601.58	106.75	81.575	
16,000.00	7,321.00	7,332.00	7,332.00	235.99	26.08	90.00	-197.71	-2,293.05	8,787.72	8,680.67	107.05	82.091	
16,100.00	7,321.00	7,332.00	7,332.00	238.39	26.08	90.00	-197.71	-2,293.05	8,867.53	8,760.19	107.34	82.612	
16,200.00	7,321.00	7,332.00	7,332.00	240.79	26.08	90.00	-197.71	-2,293.05	8,947.74	8,840.12	107.62	83.139	
16,300.00	7,321.00	7,332.00	7,332.00	243.21	26.08	90.00	-197.71	-2,293.05	9,028.35	8,920.45	107.90	83.670	
16,400.00	7,321.00	7,332.00	7,332.00	245.63	26.08	90.00	-197.71	-2,293.05	9,109.34	9,001.16	108.18	84.206	
16,500.00	7,321.00	7,332.00	7,332.00	248.06	26.08	90.00	-197.71	-2,293.05	9,190.71	9,082.26	108.45	84.747	
16,600.00	7,321.00	7,332.00	7,332.00	250.49	26.08	90.00	-197.71	-2,293.05	9,272.44	9,163.73	108.71	85.293	
16,700.00	7,321.00	7,332.00	7,332.00	252.93	26.08	90.00	-197.71	-2,293.05	9,354.53	9,245.55	108.97	85.843	
16,800.00	7,321.00	7,332.00	7,332.00	255.38	26.08	90.00	-197.71	-2,293.05	9,436.96	9,327.73	109.23	86.397	
16,900.00	7,321.00	7,332.00	7,332.00	257.84	26.08	90.00	-197.71	-2,293.05	9,519.73	9,410.25	109.48	86.955	
17,000.00	7,321.00	7,332.00	7,332.00	260.30	26.08	90.00	-197.71	-2,293.05	9,602.83	9,493.10	109.72	87.517	
17,100.00	7,321.00	7,332.00	7,332.00	262.76	26.08	90.00	-197.71	-2,293.05	9,686.24	9,576.28	109.97	88.084	
17,200.00	7,321.00	7,332.00	7,332.00	265.24	26.08	90.00	-197.71	-2,293.05	9,769.97	9,659.77	110.20	88.654	
17,300.00	7,321.00	7,332.00	7,332.00	267.72	26.08	90.00	-197.71	-2,293.05	9,854.00	9,743.56	110.44	89.228	
17,400.00	7,321.00	7,332.00	7,332.00	270.20	26.08	90.00	-197.71	-2,293.05	9,938.33	9,827.66	110.67	89.805	
17,500.00	7,321.00	7,332.00	7,332.00	272.69	26.08	90.00	-197.71	-2,293.05	10,022.94	9,912.05	110.89	90.386	
17,600.00	7,321.00	7,332.00	7,332.00	275.18	26.08	90.00	-197.71	-2,293.05	10,107.84	9,996.73	111.11	90.970	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	85.00	85.00	0.27	0.13	-128.94	-1,866.24	-2,309.88	2,969.58	2,969.18	0.40	7,483.282		
200.00	200.00	185.00	185.00	0.63	0.46	-128.94	-1,866.24	-2,309.88	2,969.58	2,968.50	1.08	2,743.046		
300.00	300.00	285.00	285.00	0.99	0.81	-128.94	-1,866.24	-2,309.88	2,969.58	2,967.78	1.80	1,650.200		
400.00	400.00	385.00	385.00	1.34	1.17	-128.94	-1,866.24	-2,309.88	2,969.58	2,967.06	2.52	1,180.057		
500.00	499.98	484.98	484.98	1.69	1.53	20.50	-1,866.24	-2,309.88	2,967.94	2,964.73	3.22	922.197		
600.00	599.84	584.84	584.84	2.03	1.89	20.57	-1,866.24	-2,309.88	2,963.04	2,959.13	3.92	756.767		
700.00	699.45	684.45	684.45	2.38	2.25	20.68	-1,866.24	-2,309.88	2,954.88	2,950.26	4.62	639.479		
800.00	798.70	783.70	783.70	2.75	2.60	20.85	-1,866.24	-2,309.88	2,943.48	2,938.14	5.33	552.008		
900.00	897.47	882.47	882.47	3.15	2.96	21.06	-1,866.24	-2,309.88	2,928.85	2,922.80	6.05	484.158		
1,000.00	995.62	980.62	980.62	3.58	3.31	21.33	-1,866.24	-2,309.88	2,911.01	2,904.24	6.77	429.864		
1,100.00	1,093.06	1,078.06	1,078.06	4.04	3.66	21.65	-1,866.24	-2,309.88	2,890.01	2,882.51	7.50	385.309		
1,200.00	1,189.64	1,174.64	1,174.64	4.54	4.00	22.03	-1,866.24	-2,309.88	2,865.88	2,857.64	8.24	347.984		
1,300.00	1,285.27	1,270.27	1,270.27	5.08	4.35	22.46	-1,866.24	-2,309.88	2,838.65	2,829.67	8.98	316.170		
1,400.00	1,379.82	1,364.82	1,364.82	5.67	4.68	22.96	-1,866.24	-2,309.88	2,808.38	2,798.65	9.73	288.658		
1,500.00	1,473.17	1,458.17	1,458.17	6.30	5.02	23.53	-1,866.24	-2,309.88	2,775.11	2,764.62	10.49	264.568		
1,600.00	1,565.21	1,550.21	1,550.21	6.99	5.35	24.16	-1,866.24	-2,309.88	2,738.92	2,727.66	11.26	243.249		
1,700.00	1,655.84	1,640.84	1,640.84	7.73	5.67	24.88	-1,866.24	-2,309.88	2,699.87	2,687.82	12.04	224.207		
1,800.00	1,744.94	1,729.94	1,729.94	8.52	5.99	25.68	-1,866.24	-2,309.88	2,658.02	2,645.18	12.84	207.062		
1,900.00	1,832.39	1,817.39	1,817.39	9.37	6.31	26.57	-1,866.24	-2,309.88	2,613.47	2,599.82	13.65	191.515		
2,000.00	1,918.11	1,903.11	1,903.11	10.27	6.61	27.56	-1,866.24	-2,309.88	2,566.29	2,551.82	14.47	177.329		
2,100.00	2,001.97	1,986.97	1,986.97	11.22	6.91	28.66	-1,866.24	-2,309.88	2,516.58	2,501.27	15.32	164.313		
2,200.00	2,083.88	2,068.88	2,068.88	12.23	7.21	29.88	-1,866.24	-2,309.88	2,464.46	2,448.28	16.18	152.311		
2,300.00	2,163.74	2,148.74	2,148.74	13.29	7.49	31.22	-1,866.24	-2,309.88	2,410.02	2,392.95	17.07	141.195		
2,400.00	2,241.45	2,226.45	2,226.45	14.40	7.77	32.70	-1,866.24	-2,309.88	2,353.39	2,335.41	17.98	130.860		
2,500.00	2,316.92	2,301.92	2,301.92	15.57	8.04	34.34	-1,866.24	-2,309.88	2,294.71	2,275.78	18.93	121.217		
2,600.00	2,390.05	2,375.05	2,375.05	16.78	8.31	36.13	-1,866.24	-2,309.88	2,234.11	2,214.20	19.91	112.194		
2,700.00	2,460.76	2,445.76	2,445.76	18.05	8.56	38.10	-1,866.24	-2,309.88	2,171.76	2,150.82	20.94	103.728		
2,800.00	2,528.95	2,513.95	2,513.95	19.37	8.80	40.24	-1,866.24	-2,309.88	2,107.82	2,085.82	22.01	95.770		
2,900.00	2,595.08	2,580.08	2,580.08	20.72	9.04	41.84	-1,866.24	-2,309.88	2,042.89	2,019.75	23.14	88.301		
3,000.00	2,661.04	2,646.04	2,646.04	22.08	9.28	43.08	-1,866.24	-2,309.88	1,978.53	1,954.22	24.32	81.361		
3,100.00	2,726.99	2,711.99	2,711.99	23.46	9.51	44.39	-1,866.24	-2,309.88	1,914.96	1,889.40	25.56	74.909		
3,200.00	2,792.94	2,777.94	2,777.94	24.84	9.75	45.76	-1,866.24	-2,309.88	1,852.27	1,825.39	26.88	68.917		
3,300.00	2,858.90	2,843.90	2,843.90	26.22	9.99	47.20	-1,866.24	-2,309.88	1,790.53	1,762.26	28.26	63.356		
3,400.00	2,924.85	2,909.85	2,909.85	27.61	10.22	48.71	-1,866.24	-2,309.88	1,729.85	1,700.13	29.72	58.200		
3,500.00	2,990.81	2,975.81	2,975.81	29.00	10.46	50.29	-1,866.24	-2,309.88	1,670.35	1,639.09	31.26	53.427		
3,600.00	3,056.76	3,041.76	3,041.76	30.40	10.70	51.94	-1,866.24	-2,309.88	1,612.17	1,579.27	32.89	49.015		
3,700.00	3,122.71	3,107.71	3,107.71	31.80	10.93	53.68	-1,866.24	-2,309.88	1,555.43	1,520.83	34.61	44.944		
3,800.00	3,188.67	3,173.67	3,173.67	33.20	11.17	55.50	-1,866.24	-2,309.88	1,500.32	1,463.91	36.42	41.196		
3,900.00	3,254.62	3,239.62	3,239.62	34.60	11.41	57.39	-1,866.24	-2,309.88	1,447.02	1,408.70	38.33	37.755		
4,000.00	3,320.58	3,305.58	3,305.58	36.01	11.64	59.38	-1,866.24	-2,309.88	1,395.73	1,355.40	40.33	34.607		
4,100.00	3,386.53	3,371.53	3,371.53	37.41	11.88	61.44	-1,866.24	-2,309.88	1,346.69	1,304.25	42.43	31.736		
4,200.00	3,452.48	3,437.48	3,437.48	38.82	12.11	63.60	-1,866.24	-2,309.88	1,300.14	1,255.51	44.63	29.132		
4,300.00	3,518.44	3,503.44	3,503.44	40.23	12.35	65.83	-1,866.24	-2,309.88	1,256.37	1,209.46	46.91	26.782		
4,400.00	3,584.39	3,569.39	3,569.39	41.64	12.59	68.15	-1,866.24	-2,309.88	1,215.67	1,166.41	49.27	24.675		
4,500.00	3,650.35	3,635.35	3,635.35	43.05	12.82	70.54	-1,866.24	-2,309.88	1,178.37	1,126.70	51.68	22.802		
4,600.00	3,716.30	3,701.30	3,701.30	44.46	13.06	73.01	-1,866.24	-2,309.88	1,144.80	1,090.68	54.12	21.153		
4,700.00	3,782.25	3,767.25	3,767.25	45.88	13.30	75.54	-1,866.24	-2,309.88	1,115.29	1,058.72	56.56	19.717		
4,800.00	3,848.21	3,833.21	3,833.21	47.29	13.53	78.13	-1,866.24	-2,309.88	1,090.17	1,031.19	58.97	18.486		
4,900.00	3,914.16	3,899.16	3,899.16	48.71	13.77	80.78	-1,866.24	-2,309.88	1,069.75	1,008.44	61.31	17.449		
5,000.00	3,980.12	3,965.12	3,965.12	50.12	14.01	83.46	-1,866.24	-2,309.88	1,054.31	990.79	63.52	16.598		
5,100.00	4,046.07	4,031.07	4,031.07	51.54	14.24	86.17	-1,866.24	-2,309.88	1,044.06	978.49	65.57	15.923		
5,200.00	4,112.02	4,097.02	4,097.02	52.95	14.48	88.90	-1,866.24	-2,309.88	1,039.16	971.75	67.42	15.414		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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				
5,240.26	4,138.58	4,123.58	4,123.58	53.53	14.57	90.00	-1,866.24	-2,309.88	1,038.72	970.62	68.10	15.253	CC, ES			
5,300.00	4,177.98	4,162.98	4,162.98	54.37	14.72	91.63	-1,866.24	-2,309.88	1,039.69	970.66	69.04	15.060				
5,400.00	4,243.93	4,228.93	4,228.93	55.79	14.95	94.36	-1,866.24	-2,309.88	1,045.64	975.23	70.41	14.851				
5,500.00	4,309.89	4,294.89	4,294.89	57.21	15.19	97.07	-1,866.24	-2,309.88	1,056.91	985.39	71.52	14.777	SF			
5,600.00	4,375.84	4,360.84	4,360.84	58.63	15.42	99.74	-1,866.24	-2,309.88	1,073.34	1,000.96	72.39	14.828				
5,700.00	4,441.79	4,426.79	4,426.79	60.05	15.66	102.38	-1,866.24	-2,309.88	1,094.70	1,021.68	73.02	14.993				
5,800.00	4,507.75	4,492.75	4,492.75	61.47	15.90	104.96	-1,866.24	-2,309.88	1,120.70	1,047.26	73.44	15.261				
5,900.00	4,573.70	4,558.70	4,558.70	62.89	16.13	107.48	-1,866.24	-2,309.88	1,151.03	1,077.35	73.67	15.623				
6,000.00	4,639.66	4,624.66	4,624.66	64.31	16.37	109.93	-1,866.24	-2,309.88	1,185.36	1,111.59	73.76	16.070				
6,100.00	4,705.61	4,690.61	4,690.61	65.73	16.61	112.31	-1,866.24	-2,309.88	1,223.34	1,149.61	73.73	16.592				
6,200.00	4,771.56	4,756.56	4,756.56	67.15	16.84	114.61	-1,866.24	-2,309.88	1,264.66	1,191.05	73.61	17.180				
6,300.00	4,837.52	4,822.52	4,822.52	68.57	17.08	116.83	-1,866.24	-2,309.88	1,309.00	1,235.57	73.43	17.827				
6,400.00	4,903.47	4,888.47	4,888.47	69.99	17.32	118.97	-1,866.24	-2,309.88	1,356.05	1,282.85	73.20	18.525				
6,500.00	4,969.43	4,954.43	4,954.43	71.41	17.55	121.02	-1,866.24	-2,309.88	1,405.55	1,332.60	72.95	19.267				
6,600.00	5,035.38	5,020.38	5,020.38	72.83	17.79	122.98	-1,866.24	-2,309.88	1,457.25	1,384.56	72.69	20.047				
6,700.00	5,101.33	5,086.33	5,086.33	74.25	18.03	124.86	-1,866.24	-2,309.88	1,510.92	1,438.49	72.43	20.859				
6,800.00	5,167.29	5,152.29	5,152.29	75.67	18.26	126.66	-1,866.24	-2,309.88	1,566.36	1,494.17	72.19	21.697				
6,900.00	5,233.24	5,218.24	5,218.24	77.10	18.50	128.38	-1,866.24	-2,309.88	1,623.39	1,551.42	71.97	22.558				
7,000.00	5,299.20	5,284.20	5,284.20	78.52	18.73	130.03	-1,866.24	-2,309.88	1,681.84	1,610.08	71.77	23.435				
7,100.00	5,365.15	5,350.15	5,350.15	79.94	18.97	131.59	-1,866.24	-2,309.88	1,741.58	1,669.99	71.59	24.327				
7,200.00	5,431.10	5,416.10	5,416.10	81.36	19.21	133.09	-1,866.24	-2,309.88	1,802.47	1,731.02	71.45	25.228				
7,300.00	5,497.06	5,482.06	5,482.06	82.79	19.44	134.51	-1,866.24	-2,309.88	1,864.40	1,793.07	71.33	26.136				
7,400.00	5,563.01	5,548.01	5,548.01	84.21	19.68	135.87	-1,866.24	-2,309.88	1,927.28	1,856.03	71.25	27.049				
7,500.00	5,628.97	5,613.97	5,613.97	85.63	19.92	137.16	-1,866.24	-2,309.88	1,991.01	1,919.80	71.20	27.963				
7,600.00	5,694.92	5,679.92	5,679.92	87.06	20.15	138.40	-1,866.24	-2,309.88	2,055.51	1,984.32	71.18	28.876				
7,700.00	5,760.87	5,745.87	5,745.87	88.48	20.39	139.58	-1,866.24	-2,309.88	2,120.71	2,049.52	71.19	29.788				
7,800.00	5,826.83	5,811.83	5,811.83	89.90	20.63	140.70	-1,866.24	-2,309.88	2,186.55	2,115.32	71.24	30.695				
7,900.00	5,892.78	5,877.78	5,877.78	91.33	20.86	141.77	-1,866.24	-2,309.88	2,252.98	2,181.68	71.30	31.596				
8,000.00	5,958.74	5,943.74	5,943.74	92.75	21.10	142.79	-1,866.24	-2,309.88	2,319.94	2,248.54	71.40	32.491				
8,100.00	6,024.69	6,009.69	6,009.69	94.17	21.34	143.77	-1,866.24	-2,309.88	2,387.39	2,315.86	71.53	33.378				
8,200.00	6,090.64	6,075.64	6,075.64	95.60	21.57	144.70	-1,866.24	-2,309.88	2,455.29	2,383.61	71.67	34.256				
8,300.00	6,156.60	6,141.60	6,141.60	97.02	21.81	145.60	-1,866.24	-2,309.88	2,523.60	2,451.75	71.85	35.125				
8,400.00	6,222.55	6,207.55	6,207.55	98.45	22.04	146.45	-1,866.24	-2,309.88	2,592.29	2,520.24	72.04	35.983				
8,500.00	6,288.51	6,273.51	6,273.51	99.87	22.28	147.27	-1,866.24	-2,309.88	2,661.32	2,589.07	72.26	36.830				
8,600.00	6,354.46	6,339.46	6,339.46	101.29	22.52	148.05	-1,866.24	-2,309.88	2,730.69	2,658.19	72.50	37.666				
8,700.00	6,420.41	6,405.41	6,405.41	102.72	22.75	148.80	-1,866.24	-2,309.88	2,800.35	2,727.60	72.75	38.491				
8,800.00	6,486.37	6,471.37	6,471.37	104.14	22.99	149.52	-1,866.24	-2,309.88	2,870.29	2,797.26	73.03	39.303				
8,900.00	6,552.32	6,537.32	6,537.32	105.57	23.23	150.21	-1,866.24	-2,309.88	2,940.49	2,867.16	73.32	40.103				
9,000.00	6,618.28	6,603.28	6,603.28	106.99	23.46	150.87	-1,866.24	-2,309.88	3,010.93	2,937.29	73.63	40.890				
9,100.00	6,684.23	6,669.23	6,669.23	108.42	23.70	151.50	-1,866.24	-2,309.88	3,081.59	3,007.63	73.96	41.665				
9,200.00	6,750.18	6,735.18	6,735.18	109.84	23.94	152.12	-1,866.24	-2,309.88	3,152.46	3,078.15	74.30	42.427				
9,300.00	6,816.14	6,801.14	6,801.14	111.26	24.17	152.70	-1,866.24	-2,309.88	3,223.52	3,148.86	74.66	43.176				
9,400.00	6,882.09	6,867.09	6,867.09	112.69	24.41	153.27	-1,866.24	-2,309.88	3,294.77	3,219.74	75.03	43.913				
9,500.00	6,948.05	6,933.05	6,933.05	114.11	24.65	153.81	-1,866.24	-2,309.88	3,366.19	3,290.77	75.41	44.637				
9,600.00	7,014.00	6,999.00	6,999.00	115.54	24.88	154.33	-1,866.24	-2,309.88	3,437.76	3,361.96	75.81	45.349				
9,700.00	7,079.88	7,064.88	7,064.88	116.97	25.12	154.86	-1,866.24	-2,309.88	3,509.48	3,433.26	76.21	46.049				
9,800.00	7,142.10	7,127.10	7,127.10	118.48	25.34	135.34	-1,866.24	-2,309.88	3,580.30	3,503.76	76.54	46.779				
9,900.00	7,197.32	7,182.32	7,182.32	120.08	25.54	121.73	-1,866.24	-2,309.88	3,648.40	3,571.66	76.74	47.542				
10,000.00	7,243.87	7,228.87	7,228.87	121.71	25.71	110.86	-1,866.24	-2,309.88	3,712.26	3,635.43	76.83	48.319				
10,100.00	7,280.34	7,265.34	7,265.34	123.32	25.84	102.44	-1,866.24	-2,309.88	3,770.55	3,693.74	76.81	49.091				
10,200.00	7,305.62	7,290.62	7,290.62	124.84	25.93	96.18	-1,866.24	-2,309.88	3,822.08	3,745.40	76.69	49.840				
10,300.00	7,318.93	7,303.93	7,303.93	126.22	25.97	91.77	-1,866.24	-2,309.88	3,865.82	3,789.34	76.48	50.545				

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,321.00	7,306.00	7,306.00	127.44	25.98	90.00	-1,866.24	-2,309.88	3,901.88	3,825.67	76.22	51.194		
10,500.00	7,321.00	7,306.00	7,306.00	128.66	25.98	90.00	-1,866.24	-2,309.88	3,938.31	3,862.32	75.99	51.829		
10,600.00	7,321.00	7,306.00	7,306.00	129.91	25.98	90.00	-1,866.24	-2,309.88	3,976.91	3,901.11	75.80	52.462		
10,700.00	7,321.00	7,306.00	7,306.00	131.19	25.98	90.00	-1,866.24	-2,309.88	4,017.63	3,941.96	75.67	53.095		
10,800.00	7,321.00	7,306.00	7,306.00	132.51	25.98	90.00	-1,866.24	-2,309.88	4,060.41	3,984.83	75.58	53.726		
10,900.00	7,321.00	7,306.00	7,306.00	133.87	25.98	90.00	-1,866.24	-2,309.88	4,105.18	4,029.65	75.53	54.354		
11,000.00	7,321.00	7,306.00	7,306.00	135.26	25.98	90.00	-1,866.24	-2,309.88	4,151.87	4,076.36	75.52	54.979		
11,100.00	7,321.00	7,306.00	7,306.00	136.68	25.98	90.00	-1,866.24	-2,309.88	4,200.43	4,124.89	75.55	55.601		
11,200.00	7,321.00	7,306.00	7,306.00	138.14	25.98	90.00	-1,866.24	-2,309.88	4,250.79	4,175.18	75.61	56.221		
11,300.00	7,321.00	7,306.00	7,306.00	139.63	25.98	90.00	-1,866.24	-2,309.88	4,302.88	4,227.17	75.70	56.838		
11,400.00	7,321.00	7,306.00	7,306.00	141.15	25.98	90.00	-1,866.24	-2,309.88	4,356.64	4,280.81	75.83	57.454		
11,500.00	7,321.00	7,306.00	7,306.00	142.70	25.98	90.00	-1,866.24	-2,309.88	4,412.01	4,336.03	75.98	58.068		
11,600.00	7,321.00	7,306.00	7,306.00	144.29	25.98	90.00	-1,866.24	-2,309.88	4,468.94	4,392.78	76.16	58.681		
11,700.00	7,321.00	7,306.00	7,306.00	145.91	25.98	90.00	-1,866.24	-2,309.88	4,527.36	4,451.00	76.35	59.294		
11,800.00	7,321.00	7,306.00	7,306.00	147.55	25.98	90.00	-1,866.24	-2,309.88	4,587.21	4,510.64	76.57	59.907		
11,900.00	7,321.00	7,306.00	7,306.00	149.23	25.98	90.00	-1,866.24	-2,309.88	4,648.45	4,571.64	76.81	60.520		
12,000.00	7,321.00	7,306.00	7,306.00	150.93	25.98	90.00	-1,866.24	-2,309.88	4,711.01	4,633.96	77.06	61.136		
12,100.00	7,321.00	7,306.00	7,306.00	152.67	25.98	90.00	-1,866.24	-2,309.88	4,774.85	4,697.53	77.32	61.753		
12,200.00	7,321.00	7,306.00	7,306.00	154.43	25.98	90.00	-1,866.24	-2,309.88	4,839.92	4,762.32	77.60	62.373		
12,300.00	7,321.00	7,306.00	7,306.00	156.22	25.98	90.00	-1,866.24	-2,309.88	4,906.15	4,828.27	77.88	62.996		
12,400.00	7,321.00	7,306.00	7,306.00	158.04	25.98	90.00	-1,866.24	-2,309.88	4,973.52	4,895.35	78.17	63.622		
12,500.00	7,321.00	7,306.00	7,306.00	159.88	25.98	90.00	-1,866.24	-2,309.88	5,041.97	4,963.50	78.47	64.252		
12,600.00	7,321.00	7,306.00	7,306.00	161.75	25.98	90.00	-1,866.24	-2,309.88	5,111.46	5,032.68	78.78	64.886		
12,700.00	7,321.00	7,306.00	7,306.00	163.64	25.98	90.00	-1,866.24	-2,309.88	5,181.95	5,102.86	79.08	65.525		
12,800.00	7,321.00	7,306.00	7,306.00	165.56	25.98	90.00	-1,866.24	-2,309.88	5,253.39	5,174.00	79.39	66.169		
12,900.00	7,321.00	7,306.00	7,306.00	167.49	25.98	90.00	-1,866.24	-2,309.88	5,325.76	5,246.05	79.71	66.817		
13,000.00	7,321.00	7,306.00	7,306.00	169.46	25.98	90.00	-1,866.24	-2,309.88	5,399.01	5,318.98	80.02	67.470		
13,100.00	7,321.00	7,306.00	7,306.00	171.44	25.98	90.00	-1,866.24	-2,309.88	5,473.10	5,392.76	80.33	68.129		
13,200.00	7,321.00	7,306.00	7,306.00	173.45	25.98	90.00	-1,866.24	-2,309.88	5,548.01	5,467.36	80.65	68.793		
13,300.00	7,321.00	7,306.00	7,306.00	175.47	25.98	90.00	-1,866.24	-2,309.88	5,623.69	5,542.73	80.96	69.462		
13,400.00	7,321.00	7,306.00	7,306.00	177.52	25.98	90.00	-1,866.24	-2,309.88	5,700.13	5,618.86	81.27	70.137		
13,500.00	7,321.00	7,306.00	7,306.00	179.58	25.98	90.00	-1,866.24	-2,309.88	5,777.29	5,695.71	81.58	70.817		
13,600.00	7,321.00	7,306.00	7,306.00	181.67	25.98	90.00	-1,866.24	-2,309.88	5,855.14	5,773.25	81.89	71.502		
13,700.00	7,321.00	7,306.00	7,306.00	183.77	25.98	90.00	-1,866.24	-2,309.88	5,933.65	5,851.46	82.19	72.193		
13,800.00	7,321.00	7,306.00	7,306.00	185.89	25.98	90.00	-1,866.24	-2,309.88	6,012.80	5,930.30	82.49	72.889		
13,900.00	7,321.00	7,306.00	7,306.00	188.02	25.98	90.00	-1,866.24	-2,309.88	6,092.56	6,009.77	82.79	73.590		
14,000.00	7,321.00	7,306.00	7,306.00	190.18	25.98	90.00	-1,866.24	-2,309.88	6,172.91	6,089.83	83.08	74.297		
14,100.00	7,321.00	7,306.00	7,306.00	192.35	25.98	90.00	-1,866.24	-2,309.88	6,253.83	6,170.46	83.38	75.008		
14,200.00	7,321.00	7,306.00	7,306.00	194.53	25.98	90.00	-1,866.24	-2,309.88	6,335.30	6,251.63	83.66	75.725		
14,300.00	7,321.00	7,306.00	7,306.00	196.73	25.98	90.00	-1,866.24	-2,309.88	6,417.28	6,333.34	83.95	76.446		
14,400.00	7,321.00	7,306.00	7,306.00	198.95	25.98	90.00	-1,866.24	-2,309.88	6,499.78	6,415.55	84.22	77.172		
14,500.00	7,321.00	7,306.00	7,306.00	201.17	25.98	90.00	-1,866.24	-2,309.88	6,582.75	6,498.25	84.50	77.903		
14,600.00	7,321.00	7,306.00	7,306.00	203.42	25.98	90.00	-1,866.24	-2,309.88	6,666.20	6,581.43	84.77	78.638		
14,700.00	7,321.00	7,306.00	7,306.00	205.67	25.98	90.00	-1,866.24	-2,309.88	6,750.09	6,665.06	85.04	79.378		
14,800.00	7,321.00	7,306.00	7,306.00	207.94	25.98	90.00	-1,866.24	-2,309.88	6,834.42	6,749.12	85.30	80.121		
14,900.00	7,321.00	7,306.00	7,306.00	210.22	25.98	90.00	-1,866.24	-2,309.88	6,919.17	6,833.61	85.56	80.870		
15,000.00	7,321.00	7,306.00	7,306.00	212.51	25.98	90.00	-1,866.24	-2,309.88	7,004.32	6,918.50	85.81	81.622		
15,100.00	7,321.00	7,306.00	7,306.00	214.81	25.98	90.00	-1,866.24	-2,309.88	7,089.85	7,003.79	86.07	82.378		
15,200.00	7,321.00	7,306.00	7,306.00	217.12	25.98	90.00	-1,866.24	-2,309.88	7,175.76	7,089.45	86.31	83.137		
15,300.00	7,321.00	7,306.00	7,306.00	219.45	25.98	90.00	-1,866.24	-2,309.88	7,262.03	7,175.48	86.55	83.901		
15,400.00	7,321.00	7,306.00	7,306.00	221.78	25.98	90.00	-1,866.24	-2,309.88	7,348.65	7,261.86	86.79	84.668		
15,500.00	7,321.00	7,306.00	7,306.00	224.13	25.98	90.00	-1,866.24	-2,309.88	7,435.61	7,348.58	87.03	85.438		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,321.00	7,306.00	7,306.00	226.48	25.98	90.00	-1,866.24	-2,309.88	7,522.89	7,435.63	87.26	86.212		
15,700.00	7,321.00	7,306.00	7,306.00	228.85	25.98	90.00	-1,866.24	-2,309.88	7,610.48	7,522.99	87.49	86.989		
15,800.00	7,321.00	7,306.00	7,306.00	231.22	25.98	90.00	-1,866.24	-2,309.88	7,698.37	7,610.66	87.71	87.769		
15,900.00	7,321.00	7,306.00	7,306.00	233.60	25.98	90.00	-1,866.24	-2,309.88	7,786.56	7,698.63	87.93	88.552		
16,000.00	7,321.00	7,306.00	7,306.00	235.99	25.98	90.00	-1,866.24	-2,309.88	7,875.03	7,786.88	88.15	89.338		
16,100.00	7,321.00	7,306.00	7,306.00	238.39	25.98	90.00	-1,866.24	-2,309.88	7,963.77	7,875.41	88.36	90.126		
16,200.00	7,321.00	7,306.00	7,306.00	240.79	25.98	90.00	-1,866.24	-2,309.88	8,052.77	7,964.20	88.57	90.917		
16,300.00	7,321.00	7,306.00	7,306.00	243.21	25.98	90.00	-1,866.24	-2,309.88	8,142.03	8,053.26	88.78	91.711		
16,400.00	7,321.00	7,306.00	7,306.00	245.63	25.98	90.00	-1,866.24	-2,309.88	8,231.54	8,142.56	88.98	92.507		
16,500.00	7,321.00	7,306.00	7,306.00	248.06	25.98	90.00	-1,866.24	-2,309.88	8,321.29	8,232.11	89.18	93.305		
16,600.00	7,321.00	7,306.00	7,306.00	250.49	25.98	90.00	-1,866.24	-2,309.88	8,411.27	8,321.89	89.38	94.106		
16,700.00	7,321.00	7,306.00	7,306.00	252.93	25.98	90.00	-1,866.24	-2,309.88	8,501.47	8,411.89	89.58	94.909		
16,800.00	7,321.00	7,306.00	7,306.00	255.38	25.98	90.00	-1,866.24	-2,309.88	8,591.89	8,502.12	89.77	95.714		
16,900.00	7,321.00	7,306.00	7,306.00	257.84	25.98	90.00	-1,866.24	-2,309.88	8,682.52	8,592.56	89.96	96.520		
17,000.00	7,321.00	7,306.00	7,306.00	260.30	25.98	90.00	-1,866.24	-2,309.88	8,773.35	8,683.21	90.14	97.329		
17,100.00	7,321.00	7,306.00	7,306.00	262.76	25.98	90.00	-1,866.24	-2,309.88	8,864.38	8,774.05	90.32	98.140		
17,200.00	7,321.00	7,306.00	7,306.00	265.24	25.98	90.00	-1,866.24	-2,309.88	8,955.60	8,865.09	90.50	98.952		
17,300.00	7,321.00	7,306.00	7,306.00	267.72	25.98	90.00	-1,866.24	-2,309.88	9,047.01	8,956.32	90.68	99.766		
17,400.00	7,321.00	7,306.00	7,306.00	270.20	25.98	90.00	-1,866.24	-2,309.88	9,138.59	9,047.74	90.86	100.581		
17,500.00	7,321.00	7,306.00	7,306.00	272.69	25.98	90.00	-1,866.24	-2,309.88	9,230.35	9,139.32	91.03	101.398		
17,600.00	7,321.00	7,306.00	7,306.00	275.18	25.98	90.00	-1,866.24	-2,309.88	9,322.29	9,231.08	91.20	102.216		
17,700.00	7,321.00	7,306.00	7,306.00	277.68	25.98	90.00	-1,866.24	-2,309.88	9,414.38	9,323.01	91.37	103.035		
17,800.00	7,321.00	7,306.00	7,306.00	280.19	25.98	90.00	-1,866.24	-2,309.88	9,506.65	9,415.12	91.54	103.857		
17,900.00	7,321.00	7,306.00	7,306.00	282.71	25.98	90.00	-1,866.24	-2,309.88	9,599.91	9,508.22	91.69	104.699		
18,000.00	7,321.00	7,306.00	7,306.00	285.26	25.98	90.00	-1,866.24	-2,309.88	9,694.49	9,602.66	91.83	105.572		
18,100.00	7,321.00	7,306.00	7,306.00	287.83	25.98	90.00	-1,866.24	-2,309.88	9,790.24	9,698.29	91.95	106.474		
18,200.00	7,321.00	7,306.00	7,306.00	290.41	25.98	90.00	-1,866.24	-2,309.88	9,887.00	9,794.95	92.06	107.402		
18,300.00	7,321.00	7,306.00	7,306.00	293.00	25.98	90.00	-1,866.24	-2,309.88	9,984.62	9,892.47	92.15	108.352		
18,400.00	7,321.00	7,306.00	7,306.00	295.59	25.98	90.00	-1,866.24	-2,309.88	10,082.51	9,990.27	92.24	109.309		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	88.42	88.42	0.27	0.14	-177.78	-2,110.42	-81.95	2,112.08	2,111.68	0.40	5,248.162		
200.00	200.00	186.00	185.99	0.63	0.46	-177.74	-2,109.64	-83.25	2,111.34	2,110.25	1.09	1,935.413		
300.00	300.00	277.00	276.98	0.99	0.79	-177.72	-2,109.14	-83.95	2,110.82	2,109.05	1.77	1,190.401		
339.31	339.31	310.33	310.31	1.13	0.90	-177.72	-2,109.06	-83.92	2,110.73	2,108.70	2.03	1,040.789		
400.00	400.00	367.00	366.98	1.34	1.09	-177.73	-2,109.32	-83.62	2,110.98	2,108.54	2.44	865.466		
500.00	499.98	414.88	414.85	1.69	1.26	-28.34	-2,110.18	-83.16	2,111.03	2,108.08	2.95	716.734		
600.00	599.84	458.00	457.94	2.03	1.41	-28.40	-2,111.70	-82.62	2,110.19	2,106.77	3.43	615.726		
700.00	699.45	550.00	549.77	2.38	1.73	-28.58	-2,116.85	-80.61	2,108.05	2,103.95	4.09	515.128		
800.00	798.70	616.00	615.56	2.75	1.96	-28.79	-2,121.63	-78.48	2,104.27	2,099.59	4.68	449.824		
900.00	897.47	689.30	688.55	3.15	2.23	-29.09	-2,127.48	-75.34	2,098.42	2,093.12	5.30	395.699		
1,000.00	995.62	755.60	754.49	3.58	2.49	-29.42	-2,133.73	-72.24	2,091.02	2,085.10	5.92	353.490		
1,100.00	1,093.06	832.00	830.26	4.04	2.78	-29.87	-2,142.34	-67.70	2,082.40	2,075.82	6.58	316.369		
1,200.00	1,189.64	883.21	880.92	4.54	2.99	-30.26	-2,148.95	-64.20	2,072.40	2,065.23	7.17	289.012		
1,300.00	1,285.27	948.80	945.68	5.08	3.26	-30.77	-2,158.29	-59.67	2,061.16	2,053.33	7.83	263.093		
1,400.00	1,379.82	1,019.00	1,014.80	5.67	3.57	-31.38	-2,169.38	-54.39	2,048.68	2,040.14	8.54	239.903		
1,500.00	1,473.17	1,083.00	1,077.61	6.30	3.85	-32.02	-2,180.35	-48.85	2,034.89	2,025.64	9.25	219.973		
1,600.00	1,565.21	1,149.26	1,142.41	6.99	4.16	-32.76	-2,192.47	-42.19	2,019.80	2,009.81	10.00	202.050		
1,700.00	1,655.84	1,207.00	1,198.68	7.73	4.44	-33.49	-2,203.79	-35.88	2,003.67	1,992.93	10.74	186.528		
1,800.00	1,744.94	1,267.74	1,257.59	8.52	4.74	-34.31	-2,216.63	-28.55	1,986.79	1,975.25	11.54	172.181		
1,900.00	1,832.39	1,322.42	1,310.31	9.37	5.03	-35.15	-2,229.13	-21.20	1,969.43	1,957.08	12.35	159.503		
2,000.00	1,918.11	1,394.00	1,378.85	10.27	5.42	-36.26	-2,246.85	-10.66	1,951.83	1,938.55	13.29	146.918		
2,100.00	2,001.97	1,432.37	1,415.38	11.22	5.65	-37.01	-2,256.93	-4.64	1,933.68	1,919.58	14.10	137.126		
2,200.00	2,083.88	1,488.00	1,468.10	12.23	5.98	-38.04	-2,272.17	4.50	1,915.37	1,900.31	15.06	127.221		
2,300.00	2,163.74	1,545.49	1,522.27	13.29	6.34	-39.16	-2,288.67	14.41	1,896.87	1,880.79	16.08	117.979		
2,400.00	2,241.45	1,602.38	1,575.56	14.40	6.70	-40.34	-2,305.73	24.66	1,878.30	1,861.15	17.16	109.487		
2,500.00	2,316.92	1,660.78	1,629.99	15.57	7.09	-41.60	-2,323.87	35.56	1,859.72	1,841.41	18.31	101.586		
2,600.00	2,390.05	1,717.74	1,682.82	16.78	7.48	-42.89	-2,342.17	46.46	1,841.25	1,821.73	19.52	94.339		
2,700.00	2,460.76	1,769.00	1,730.14	18.05	7.84	-44.12	-2,359.23	56.32	1,823.09	1,802.34	20.76	87.831		
2,800.00	2,528.95	1,837.04	1,792.72	19.37	8.34	-45.73	-2,382.55	69.34	1,805.20	1,783.01	22.19	81.335		
2,900.00	2,595.08	1,908.32	1,858.11	20.72	8.86	-47.29	-2,407.56	82.75	1,788.01	1,764.27	23.73	75.335		
3,000.00	2,661.04	1,983.19	1,926.81	22.08	9.42	-48.84	-2,433.96	96.51	1,772.86	1,747.50	25.36	69.913		
3,100.00	2,726.99	2,053.96	1,991.66	23.46	9.95	-50.32	-2,459.00	109.76	1,760.17	1,733.17	27.00	65.186		
3,200.00	2,792.94	2,148.69	2,078.62	24.84	10.67	-52.34	-2,491.99	127.74	1,749.49	1,720.59	28.90	60.529		
3,300.00	2,858.90	2,210.32	2,135.21	26.22	11.14	-53.65	-2,513.41	139.45	1,741.14	1,710.57	30.57	56.959		
3,400.00	2,924.85	2,294.27	2,212.17	27.61	11.78	-55.45	-2,542.93	155.32	1,735.47	1,702.99	32.47	53.442		
3,500.00	2,990.81	2,412.52	2,321.30	29.00	12.67	-58.00	-2,583.09	176.77	1,731.09	1,696.35	34.74	49.826		
3,600.00	3,056.76	2,496.68	2,399.53	30.40	13.28	-59.82	-2,610.37	191.59	1,727.80	1,691.06	36.74	47.026		
3,696.67	3,120.52	2,575.70	2,473.08	31.75	13.86	-61.55	-2,635.73	205.48	1,726.78	1,688.10	38.68	44.637 CC		
3,700.00	3,122.71	2,578.47	2,475.65	31.80	13.88	-61.61	-2,636.61	205.96	1,726.78	1,688.03	38.75	44.559		
3,800.00	3,188.67	2,655.40	2,547.31	33.20	14.44	-63.27	-2,661.33	219.07	1,728.01	1,687.26	40.74	42.412 ES		
3,900.00	3,254.62	2,722.98	2,610.23	34.60	14.93	-64.74	-2,683.08	230.70	1,731.83	1,689.17	42.66	40.596		
4,000.00	3,320.58	2,779.17	2,662.35	36.01	15.35	-65.95	-2,701.57	240.63	1,738.78	1,694.32	44.46	39.108		
4,100.00	3,386.53	2,845.45	2,723.58	37.41	15.85	-67.36	-2,723.91	252.65	1,748.85	1,702.48	46.37	37.714		
4,200.00	3,452.48	2,932.01	2,803.52	38.82	16.51	-69.20	-2,753.19	268.34	1,761.38	1,712.86	48.52	36.304		
4,300.00	3,518.44	3,037.29	2,901.34	40.23	17.29	-71.42	-2,787.60	286.55	1,775.05	1,724.16	50.89	34.883		
4,400.00	3,584.39	3,114.53	2,973.35	41.64	17.85	-73.02	-2,812.47	299.27	1,790.25	1,737.33	52.92	33.827		
4,500.00	3,650.35	3,174.00	3,028.70	43.05	18.29	-74.25	-2,831.70	309.42	1,808.13	1,753.39	54.73	33.036		
4,600.00	3,716.30	3,244.96	3,094.63	44.46	18.82	-75.70	-2,854.80	321.90	1,828.59	1,771.93	56.66	32.274		
4,700.00	3,782.25	3,325.24	3,169.17	45.88	19.41	-77.32	-2,880.95	336.14	1,851.27	1,792.59	58.68	31.546		
4,800.00	3,848.21	3,404.72	3,243.17	47.29	20.00	-78.91	-2,906.31	350.22	1,875.66	1,814.99	60.68	30.913		
4,900.00	3,914.16	3,486.17	3,319.15	48.71	20.59	-80.53	-2,931.71	364.90	1,901.98	1,839.31	62.66	30.352		
5,000.00	3,980.12	3,575.88	3,403.12	50.12	21.24	-82.28	-2,959.11	380.62	1,929.62	1,864.89	64.73	29.810		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	4,046.07	3,650.11	3,472.80	51.54	21.76	-83.72	-2,981.10	393.70	1,958.90	1,892.35	66.56	29.433		
5,200.00	4,112.02	3,711.78	3,530.67	52.95	22.20	-84.90	-2,999.24	404.86	1,990.28	1,922.12	68.17	29.197		
5,300.00	4,177.98	3,813.21	3,626.10	54.37	22.91	-86.81	-3,028.62	422.67	2,022.81	1,952.52	70.29	28.778		
5,400.00	4,243.93	3,910.28	3,717.83	55.79	23.57	-88.59	-3,056.19	438.44	2,055.89	1,983.58	72.31	28.431		
5,500.00	4,309.89	3,968.84	3,773.00	57.21	23.98	-89.63	-3,073.35	447.98	2,090.95	2,017.16	73.78	28.340 SF		
5,600.00	4,375.84	4,017.00	3,818.19	58.63	24.32	-90.46	-3,087.89	456.08	2,128.15	2,053.09	75.06	28.354		
5,700.00	4,441.79	4,077.01	3,874.21	60.05	24.76	-91.46	-3,106.67	466.58	2,167.43	2,090.95	76.48	28.341		
5,800.00	4,507.75	4,130.98	3,924.26	61.47	25.17	-92.34	-3,124.29	476.42	2,208.76	2,130.99	77.77	28.401		
5,900.00	4,573.70	4,187.93	3,976.77	62.89	25.61	-93.22	-3,143.55	487.14	2,251.91	2,172.82	79.09	28.474		
6,000.00	4,639.66	4,250.83	4,034.43	64.31	26.11	-94.17	-3,165.56	499.27	2,296.65	2,216.17	80.48	28.536		
6,100.00	4,705.61	4,333.39	4,109.73	65.73	26.77	-95.35	-3,195.43	515.25	2,342.62	2,260.41	82.21	28.497		
6,200.00	4,771.56	4,422.68	4,191.22	67.15	27.49	-96.57	-3,228.02	531.63	2,388.67	2,304.63	84.03	28.425		
6,300.00	4,837.52	4,486.00	4,248.89	68.57	28.01	-97.41	-3,251.31	543.54	2,435.93	2,350.53	85.40	28.524		
6,400.00	4,903.47	4,552.06	4,309.02	69.99	28.54	-98.27	-3,275.51	556.28	2,484.33	2,397.54	86.79	28.625		
6,500.00	4,969.43	4,655.73	4,403.73	71.41	29.38	-99.59	-3,312.77	576.03	2,533.25	2,444.44	88.81	28.523		
6,600.00	5,035.38	4,734.00	4,475.32	72.83	30.01	-100.54	-3,341.02	590.27	2,582.17	2,491.79	90.39	28.568		
6,700.00	5,101.33	4,825.50	4,558.59	74.25	30.75	-101.60	-3,375.15	606.76	2,631.72	2,539.54	92.19	28.548		
6,800.00	5,167.29	4,926.24	4,651.08	75.67	31.54	-102.76	-3,411.09	624.17	2,681.16	2,587.05	94.11	28.491		
6,900.00	5,233.24	5,007.28	4,726.18	77.10	32.16	-103.70	-3,438.32	637.84	2,730.77	2,635.13	95.64	28.554		
7,000.00	5,299.20	5,080.41	4,794.33	78.52	32.70	-104.55	-3,461.74	650.25	2,781.04	2,684.05	97.00	28.671		
7,100.00	5,365.15	5,157.34	4,866.38	79.94	33.25	-105.44	-3,485.27	663.42	2,832.03	2,733.64	98.38	28.786		
7,200.00	5,431.10	5,263.68	4,966.41	81.36	34.00	-106.65	-3,516.85	680.92	2,883.12	2,782.92	100.19	28.775		
7,300.00	5,497.06	5,485.15	5,177.87	82.79	35.39	-109.20	-3,575.14	710.71	2,932.68	2,829.22	103.46	28.345		
7,400.00	5,563.01	5,608.35	5,297.83	84.21	36.04	-110.68	-3,600.30	722.98	2,980.41	2,875.28	105.13	28.350		
7,500.00	5,628.97	5,752.56	5,439.66	85.63	36.69	-112.46	-3,623.76	734.11	3,027.47	2,920.66	106.81	28.345		
7,600.00	5,694.92	5,870.98	5,557.05	87.06	37.15	-113.96	-3,638.06	740.40	3,073.80	2,965.73	108.07	28.442		
7,700.00	5,760.87	5,978.25	5,663.60	88.48	37.53	-115.30	-3,649.70	744.64	3,120.22	3,011.05	109.17	28.582		
7,800.00	5,826.83	6,062.73	5,747.67	89.90	37.81	-116.35	-3,657.58	747.14	3,166.94	3,056.91	110.03	28.782		
7,900.00	5,892.78	6,153.51	5,838.14	91.33	38.10	-117.47	-3,664.80	749.20	3,214.21	3,103.33	110.88	28.988		
8,000.00	5,958.74	6,231.17	5,915.61	92.75	38.32	-118.42	-3,670.08	750.44	3,262.02	3,150.42	111.59	29.232		
8,100.00	6,024.69	6,298.09	5,982.42	94.17	38.51	-119.25	-3,673.81	751.31	3,310.64	3,198.44	112.20	29.507		
8,200.00	6,090.64	6,359.00	6,043.27	95.60	38.67	-119.99	-3,676.34	752.08	3,360.26	3,247.54	112.72	29.810		
8,300.00	6,156.60	6,416.97	6,101.22	97.02	38.81	-120.71	-3,677.91	752.79	3,410.92	3,297.74	113.18	30.137		
8,400.00	6,222.55	6,485.90	6,170.13	98.45	38.97	-121.55	-3,678.81	753.56	3,462.57	3,348.91	113.65	30.466		
8,500.00	6,288.51	6,569.95	6,254.17	99.87	39.16	-122.57	-3,679.85	754.13	3,514.76	3,400.58	114.18	30.784		
8,600.00	6,354.46	6,644.08	6,328.30	101.29	39.33	-123.44	-3,680.85	754.41	3,567.54	3,452.90	114.63	31.121		
8,700.00	6,420.41	6,714.90	6,399.11	102.72	39.48	-124.26	-3,681.67	754.52	3,620.98	3,505.92	115.05	31.472		
8,800.00	6,486.37	6,792.33	6,476.54	104.14	39.65	-125.15	-3,682.44	754.46	3,675.04	3,559.55	115.49	31.822		
8,900.00	6,552.32	6,867.71	6,551.92	105.57	39.82	-125.98	-3,683.41	754.21	3,729.59	3,613.69	115.90	32.179		
9,000.00	6,618.28	6,941.18	6,625.38	106.99	39.98	-126.79	-3,684.26	753.83	3,784.71	3,668.42	116.29	32.545		
9,100.00	6,684.23	7,022.35	6,706.53	108.42	40.16	-127.65	-3,685.49	753.25	3,840.29	3,723.58	116.71	32.904		
9,200.00	6,750.18	7,094.32	6,778.49	109.84	40.32	-128.40	-3,686.93	752.68	3,896.32	3,779.23	117.09	33.276		
9,300.00	6,816.14	7,161.59	6,845.74	111.26	40.48	-129.07	-3,688.54	752.19	3,952.88	3,835.43	117.45	33.657		
9,400.00	6,882.09	7,223.71	6,907.83	112.69	40.63	-129.69	-3,690.22	751.84	4,010.03	3,892.25	117.77	34.048		
9,500.00	6,948.05	7,279.45	6,963.55	114.11	40.77	-130.22	-3,691.96	751.76	4,067.87	3,949.80	118.07	34.453		
9,600.00	7,014.00	7,344.82	7,028.87	115.54	40.95	-130.83	-3,694.50	752.03	4,126.35	4,007.91	118.44	34.840		
9,700.00	7,079.88	7,433.67	7,117.58	116.97	41.21	-133.47	-3,699.41	752.84	4,185.40	4,066.41	118.99	35.175		
9,800.00	7,142.10	7,523.72	7,207.45	118.48	41.47	-144.90	-3,705.12	753.24	4,252.47	4,132.87	119.60	35.555		
9,900.00	7,197.32	7,585.91	7,269.56	120.08	41.64	-156.89	-3,707.99	752.92	4,330.41	4,210.38	120.03	36.077		
10,000.00	7,243.87	7,644.10	7,327.71	121.71	41.79	-171.66	-3,710.03	752.24	4,416.72	4,296.31	120.41	36.679		
10,100.00	7,280.34	7,685.10	7,368.70	123.32	41.89	167.13	-3,711.24	751.59	4,508.71	4,388.03	120.68	37.362		
10,200.00	7,305.62	7,708.90	7,392.48	124.84	41.94	136.64	-3,711.87	751.19	4,603.69	4,482.87	120.82	38.105		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 36-T7N-R67W - EXIST HZ BALDRIDGE 17-1 - Wellbore #1 - Wellbore #1		Offset Site Error:		0.00 usft
Survey Program:		98-MWD											Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
10,300.00	7,318.93	7,722.09	7,405.67	126.22	41.97	106.25	-3,712.21	750.98	4,698.88	4,578.01	120.88	38.874					
10,400.00	7,321.00	7,725.34	7,408.91	127.44	41.98	93.71	-3,712.29	750.92	4,791.98	4,671.11	120.87	39.646					
10,500.00	7,321.00	7,726.76	7,410.33	128.66	41.98	93.75	-3,712.32	750.90	4,884.74	4,763.89	120.85	40.418					
10,600.00	7,321.00	7,728.17	7,411.75	129.91	41.99	93.80	-3,712.35	750.88	4,977.78	4,856.94	120.84	41.193					
10,700.00	7,321.00	7,729.59	7,413.16	131.19	41.99	93.84	-3,712.39	750.86	5,071.09	4,950.26	120.83	41.969					
10,800.00	7,321.00	7,731.00	7,414.58	132.51	41.99	93.89	-3,712.42	750.83	5,164.64	5,043.82	120.82	42.748					
10,900.00	7,321.00	7,732.42	7,415.99	133.87	42.00	93.93	-3,712.46	750.81	5,258.43	5,137.63	120.81	43.528					
11,000.00	7,321.00	7,733.83	7,417.40	135.26	42.00	93.98	-3,712.49	750.79	5,352.45	5,231.65	120.80	44.310					
11,100.00	7,321.00	7,735.24	7,418.81	136.68	42.00	94.02	-3,712.52	750.76	5,446.68	5,325.89	120.79	45.093					
11,200.00	7,321.00	7,736.65	7,420.22	138.14	42.01	94.07	-3,712.56	750.74	5,541.11	5,420.33	120.78	45.878					
11,300.00	7,321.00	7,738.06	7,421.63	139.63	42.01	94.11	-3,712.59	750.72	5,635.73	5,514.96	120.77	46.665					
11,400.00	7,321.00	7,739.47	7,423.04	141.15	42.01	94.16	-3,712.62	750.69	5,730.53	5,609.77	120.76	47.452					
11,500.00	7,321.00	7,740.88	7,424.45	142.70	42.02	94.20	-3,712.66	750.67	5,825.51	5,704.75	120.76	48.241					
11,600.00	7,321.00	7,742.29	7,425.86	144.29	42.02	94.25	-3,712.69	750.65	5,920.65	5,799.90	120.75	49.031					
11,700.00	7,321.00	7,743.70	7,427.26	145.91	42.02	94.29	-3,712.72	750.62	6,015.95	5,895.20	120.75	49.821					
11,800.00	7,321.00	7,745.10	7,428.67	147.55	42.03	94.33	-3,712.75	750.60	6,111.40	5,990.66	120.75	50.613					
11,900.00	7,321.00	7,746.51	7,430.07	149.23	42.03	94.38	-3,712.79	750.58	6,206.99	6,086.25	120.75	51.406					
12,000.00	7,321.00	7,747.91	7,431.48	150.93	42.03	94.42	-3,712.82	750.56	6,302.72	6,181.98	120.74	52.199					
12,100.00	7,321.00	7,749.31	7,432.88	152.67	42.04	94.47	-3,712.85	750.53	6,398.58	6,277.84	120.74	52.993					
12,200.00	7,321.00	7,750.72	7,434.28	154.43	42.04	94.51	-3,712.88	750.51	6,494.57	6,373.82	120.74	53.788					
12,300.00	7,321.00	7,752.12	7,435.68	156.22	42.04	94.56	-3,712.91	750.49	6,590.67	6,469.93	120.74	54.584					
12,400.00	7,321.00	7,753.52	7,437.08	158.04	42.05	94.60	-3,712.94	750.46	6,686.89	6,566.14	120.75	55.380					
12,500.00	7,321.00	7,754.92	7,438.48	159.88	42.05	94.64	-3,712.97	750.44	6,783.21	6,662.46	120.75	56.176					
12,600.00	7,321.00	7,756.32	7,439.88	161.75	42.05	94.69	-3,713.00	750.42	6,879.64	6,758.89	120.75	56.973					
12,700.00	7,321.00	7,757.72	7,441.28	163.64	42.06	94.73	-3,713.04	750.40	6,976.17	6,855.42	120.76	57.770					
12,800.00	7,321.00	7,759.12	7,442.68	165.56	42.06	94.78	-3,713.07	750.37	7,072.80	6,952.04	120.76	58.568					
12,900.00	7,321.00	7,760.51	7,444.07	167.49	42.06	94.82	-3,713.10	750.35	7,169.52	7,048.75	120.77	59.366					
13,000.00	7,321.00	7,761.91	7,445.47	169.46	42.07	94.87	-3,713.13	750.33	7,266.33	7,145.55	120.77	60.165					
13,100.00	7,321.00	7,763.31	7,446.86	171.44	42.07	94.91	-3,713.16	750.30	7,363.22	7,242.44	120.78	60.963					
13,200.00	7,321.00	7,764.70	7,448.26	173.45	42.07	94.95	-3,713.19	750.28	7,460.19	7,339.40	120.79	61.762					
13,300.00	7,321.00	7,766.09	7,449.65	175.47	42.08	95.00	-3,713.22	750.26	7,557.25	7,436.45	120.80	62.561					
13,400.00	7,321.00	7,767.49	7,451.04	177.52	42.08	95.04	-3,713.25	750.24	7,654.37	7,533.57	120.81	63.361					
13,500.00	7,321.00	7,775.00	7,458.56	179.58	42.10	95.28	-3,713.40	750.11	7,751.58	7,630.73	120.85	64.144					
13,600.00	7,321.00	7,775.00	7,458.56	181.67	42.10	95.28	-3,713.40	750.11	7,848.85	7,728.00	120.85	64.947					
13,700.00	7,321.00	7,775.00	7,458.56	183.77	42.10	95.28	-3,713.40	750.11	7,946.19	7,825.33	120.86	65.750					
13,800.00	7,321.00	7,775.00	7,458.56	185.89	42.10	95.28	-3,713.40	750.11	8,043.59	7,922.73	120.86	66.553					
13,900.00	7,321.00	7,775.00	7,458.56	188.02	42.10	95.28	-3,713.40	750.11	8,141.05	8,020.19	120.87	67.356					
14,000.00	7,321.00	7,775.00	7,458.56	190.18	42.10	95.28	-3,713.40	750.11	8,238.58	8,117.71	120.87	68.160					
14,100.00	7,321.00	7,775.00	7,458.56	192.35	42.10	95.28	-3,713.40	750.11	8,336.17	8,215.29	120.88	68.963					
14,200.00	7,321.00	7,775.00	7,458.56	194.53	42.10	95.28	-3,713.40	750.11	8,433.81	8,312.92	120.89	69.767					
14,300.00	7,321.00	7,775.00	7,458.56	196.73	42.10	95.28	-3,713.40	750.11	8,531.51	8,410.61	120.89	70.570					
14,400.00	7,321.00	7,775.00	7,458.56	198.95	42.10	95.28	-3,713.40	750.11	8,629.25	8,508.35	120.90	71.374					
14,500.00	7,321.00	7,775.00	7,458.56	201.17	42.10	95.28	-3,713.40	750.11	8,727.05	8,606.14	120.91	72.177					
14,600.00	7,321.00	7,775.00	7,458.56	203.42	42.10	95.28	-3,713.40	750.11	8,824.90	8,703.98	120.92	72.980					
14,700.00	7,321.00	7,775.00	7,458.56	205.67	42.10	95.28	-3,713.40	750.11	8,922.80	8,801.87	120.93	73.784					
14,800.00	7,321.00	7,775.00	7,458.56	207.94	42.10	95.28	-3,713.40	750.11	9,020.75	8,899.80	120.94	74.587					
14,900.00	7,321.00	7,775.00	7,458.56	210.22	42.10	95.28	-3,713.40	750.11	9,118.73	8,997.78	120.95	75.390					
15,000.00	7,321.00	7,775.00	7,458.56	212.51	42.10	95.28	-3,713.40	750.11	9,216.76	9,095.80	120.97	76.193					
15,100.00	7,321.00	7,775.00	7,458.56	214.81	42.10	95.28	-3,713.40	750.11	9,314.84	9,193.86	120.98	76.995					
15,200.00	7,321.00	7,775.00	7,458.56	217.12	42.10	95.28	-3,713.40	750.11	9,412.95	9,291.96	120.99	77.798					
15,300.00	7,321.00	7,775.00	7,458.56	219.45	42.10	95.28	-3,713.40	750.11	9,511.10	9,390.10	121.01	78.600					
15,400.00	7,321.00	7,775.00	7,458.56	221.78	42.10	95.28	-3,713.40	750.11	9,609.30	9,488.27	121.02	79.402					

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design		Sec 36-T7N-R67W - EXIST HZ BALDRIDGE 17-1 - Wellbore #1 - Wellbore #1										Offset Site Error:	0.00 usft
Survey Program: 98-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,500.00	7,321.00	7,775.00	7,458.56	224.13	42.10	95.28	-3,713.40	750.11	9,707.52	9,586.49	121.04	80.204	
15,600.00	7,321.00	7,775.00	7,458.56	226.48	42.10	95.28	-3,713.40	750.11	9,805.79	9,684.74	121.05	81.005	
15,700.00	7,321.00	7,775.00	7,458.56	228.85	42.10	95.28	-3,713.40	750.11	9,904.09	9,783.02	121.07	81.806	
15,800.00	7,321.00	7,775.00	7,458.56	231.22	42.10	95.28	-3,713.40	750.11	10,002.42	9,881.33	121.08	82.607	
15,900.00	7,321.00	7,775.00	7,458.56	233.60	42.10	95.28	-3,713.40	750.11	10,100.78	9,979.68	121.10	83.408	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	-177.39	-2,110.74	-96.31	2,113.03	2,112.62	0.41	5,148.873		
200.00	200.00	190.17	190.16	0.63	0.42	-177.37	-2,109.58	-96.73	2,111.90	2,110.84	1.05	2,008.205		
300.00	300.00	273.92	273.91	0.99	0.72	-177.36	-2,109.05	-97.25	2,111.29	2,109.59	1.71	1,237.057		
321.55	321.55	291.56	291.55	1.06	0.78	-177.36	-2,109.03	-97.37	2,111.27	2,109.43	1.85	1,143.559		
400.00	400.00	365.99	365.97	1.34	1.04	-177.34	-2,109.11	-97.88	2,111.39	2,109.00	2.39	883.629		
500.00	499.98	439.66	439.64	1.69	1.30	-27.94	-2,109.52	-98.31	2,110.48	2,107.49	2.99	705.912		
600.00	599.84	505.37	505.34	2.03	1.53	-28.01	-2,111.04	-98.40	2,108.16	2,104.61	3.55	593.195		
700.00	699.45	580.00	579.91	2.38	1.79	-28.15	-2,113.79	-97.75	2,104.10	2,099.95	4.16	506.297		
800.00	798.70	669.89	669.70	2.75	2.10	-28.39	-2,117.89	-96.51	2,097.84	2,093.02	4.82	434.857		
900.00	897.47	767.20	766.88	3.15	2.45	-28.71	-2,122.64	-95.48	2,088.89	2,083.35	5.53	377.552		
1,000.00	995.62	871.15	870.72	3.58	2.82	-29.13	-2,127.50	-94.42	2,076.72	2,070.44	6.28	330.730		
1,100.00	1,093.06	959.70	959.16	4.04	3.14	-29.58	-2,131.66	-93.52	2,061.64	2,054.66	6.98	295.197		
1,200.00	1,189.64	1,019.00	1,018.37	4.54	3.36	-29.99	-2,134.90	-92.63	2,044.57	2,036.98	7.60	269.113		
1,300.00	1,285.27	1,087.59	1,086.77	5.08	3.61	-30.51	-2,139.76	-91.25	2,026.18	2,017.92	8.26	245.192		
1,400.00	1,379.82	1,147.56	1,146.46	5.67	3.84	-31.04	-2,145.35	-89.87	2,006.96	1,998.04	8.92	225.032		
1,500.00	1,473.17	1,206.00	1,204.55	6.30	4.06	-31.60	-2,151.70	-88.95	1,986.59	1,977.00	9.59	207.146		
1,600.00	1,565.21	1,277.18	1,275.16	6.99	4.34	-32.31	-2,160.52	-87.53	1,964.98	1,954.65	10.34	190.077		
1,700.00	1,655.84	1,337.62	1,334.97	7.73	4.58	-33.04	-2,168.95	-85.41	1,942.28	1,931.20	11.08	175.362		
1,800.00	1,744.94	1,394.00	1,390.59	8.52	4.82	-33.81	-2,177.81	-82.80	1,918.80	1,906.97	11.83	162.188		
1,900.00	1,832.39	1,469.43	1,464.80	9.37	5.14	-34.84	-2,190.65	-78.58	1,894.24	1,881.53	12.70	149.107		
2,000.00	1,918.11	1,540.36	1,534.44	10.27	5.45	-35.94	-2,203.36	-74.06	1,868.35	1,854.74	13.60	137.341		
2,100.00	2,001.97	1,612.30	1,604.90	11.22	5.77	-37.15	-2,216.97	-69.09	1,841.33	1,826.77	14.56	126.482		
2,200.00	2,083.88	1,689.64	1,680.55	12.23	6.12	-38.52	-2,232.20	-64.01	1,813.07	1,797.48	15.59	116.291		
2,300.00	2,163.74	1,778.06	1,767.06	13.29	6.53	-40.14	-2,249.95	-59.41	1,783.21	1,766.48	16.73	106.573		
2,400.00	2,241.45	1,863.85	1,851.00	14.40	6.93	-41.85	-2,267.18	-55.43	1,751.68	1,733.75	17.93	97.704		
2,500.00	2,316.92	1,946.40	1,931.76	15.57	7.32	-43.68	-2,283.66	-50.94	1,718.73	1,699.55	19.19	89.578		
2,600.00	2,390.05	2,037.46	2,020.88	16.78	7.76	-45.85	-2,301.50	-45.36	1,684.46	1,663.89	20.57	81.890		
2,700.00	2,460.76	2,110.11	2,092.02	18.05	8.11	-47.83	-2,315.61	-41.09	1,649.16	1,627.20	21.96	75.111		
2,800.00	2,528.95	2,187.15	2,167.40	19.37	8.48	-50.04	-2,330.94	-36.79	1,613.58	1,590.12	23.46	68.781		
2,900.00	2,595.08	2,267.83	2,246.39	20.72	8.87	-52.10	-2,346.67	-32.10	1,577.88	1,552.80	25.08	62.916		
3,000.00	2,661.04	2,345.68	2,322.65	22.08	9.24	-53.93	-2,361.85	-28.14	1,543.85	1,517.09	26.76	57.694		
3,100.00	2,726.99	2,420.58	2,396.02	23.46	9.60	-55.72	-2,376.45	-24.45	1,511.88	1,483.38	28.50	53.054		
3,200.00	2,792.94	2,479.88	2,454.05	24.84	9.89	-57.19	-2,388.15	-21.09	1,482.54	1,452.32	30.22	49.058		
3,300.00	2,858.90	2,546.04	2,518.67	26.22	10.22	-58.88	-2,401.56	-16.49	1,456.40	1,424.36	32.04	45.450		
3,400.00	2,924.85	2,624.31	2,595.13	27.61	10.61	-60.90	-2,417.54	-11.43	1,432.78	1,398.79	33.99	42.148		
3,500.00	2,990.81	2,687.98	2,657.24	29.00	10.93	-62.57	-2,430.96	-7.55	1,412.14	1,376.24	35.90	39.336		
3,600.00	3,056.76	2,754.86	2,722.37	30.40	11.28	-64.33	-2,445.62	-3.41	1,394.83	1,356.97	37.86	36.842		
3,700.00	3,122.71	2,839.28	2,804.52	31.80	11.71	-66.59	-2,464.30	2.05	1,380.66	1,340.69	39.98	34.538		
3,800.00	3,188.67	2,931.29	2,894.33	33.20	12.18	-69.07	-2,483.65	7.01	1,368.16	1,325.99	42.17	32.444		
3,900.00	3,254.62	3,003.94	2,965.21	34.60	12.55	-71.04	-2,499.25	10.41	1,358.60	1,314.37	44.23	30.714		
4,000.00	3,320.58	3,077.30	3,036.67	36.01	12.93	-73.02	-2,515.47	13.59	1,352.23	1,305.93	46.30	29.207		
4,100.00	3,386.53	3,177.03	3,133.91	37.41	13.44	-75.71	-2,537.36	17.15	1,348.32	1,299.77	48.56	27.768		
4,192.14	3,447.30	3,242.71	3,198.03	38.71	13.77	-77.49	-2,551.42	19.25	1,346.92	1,296.51	50.42	26.717 CC		
4,200.00	3,452.48	3,248.36	3,203.55	38.82	13.80	-77.65	-2,552.62	19.45	1,346.93	1,296.36	50.57	26.634		
4,300.00	3,518.44	3,323.63	3,277.05	40.23	14.18	-79.70	-2,568.58	22.26	1,348.79	1,296.21	52.58	25.652 ES		
4,400.00	3,584.39	3,397.96	3,349.71	41.64	14.55	-81.74	-2,583.95	25.39	1,353.75	1,299.22	54.53	24.827		
4,500.00	3,650.35	3,472.32	3,422.50	43.05	14.92	-83.80	-2,598.67	29.16	1,361.98	1,305.57	56.41	24.144		
4,600.00	3,716.30	3,556.95	3,505.50	44.46	15.34	-86.14	-2,614.59	33.58	1,373.05	1,314.74	58.31	23.547		
4,700.00	3,782.25	3,644.69	3,591.69	45.88	15.76	-88.56	-2,630.50	37.68	1,386.60	1,326.44	60.16	23.050		
4,800.00	3,848.21	3,726.20	3,671.84	47.29	16.15	-90.77	-2,644.94	40.99	1,402.62	1,340.76	61.86	22.674		
4,900.00	3,914.16	3,799.30	3,743.68	48.71	16.50	-92.72	-2,658.18	43.70	1,421.42	1,358.01	63.41	22.416		
5,000.00	3,980.12	3,869.45	3,812.40	50.12	16.85	-94.52	-2,672.06	46.03	1,443.15	1,378.29	64.86	22.251		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	
5,100.00	4,046.07	3,939.72	3,880.97	51.54	17.21	-96.25	-2,687.22	48.35	1,467.76	1,401.52	66.24	22.159	
5,200.00	4,112.02	4,014.99	3,954.26	52.95	17.60	-98.04	-2,704.21	50.82	1,494.87	1,427.26	67.61	22.111	
5,300.00	4,177.98	4,098.77	4,035.76	54.37	18.04	-99.97	-2,723.46	53.38	1,524.00	1,455.00	69.00	22.086	
5,400.00	4,243.93	4,193.45	4,128.03	55.79	18.53	-102.11	-2,744.53	55.72	1,554.59	1,484.14	70.44	22.069 SF	
5,500.00	4,309.89	4,278.61	4,211.36	57.21	18.96	-104.02	-2,762.02	57.32	1,586.43	1,514.74	71.69	22.129	
5,600.00	4,375.84	4,357.38	4,288.62	58.63	19.34	-105.76	-2,777.33	58.67	1,619.94	1,547.14	72.80	22.253	
5,700.00	4,441.79	4,427.77	4,357.71	60.05	19.68	-107.28	-2,790.72	59.93	1,655.32	1,581.57	73.75	22.445	
5,800.00	4,507.75	4,493.29	4,422.04	61.47	20.00	-108.66	-2,803.04	61.53	1,692.90	1,618.30	74.60	22.694	
5,900.00	4,573.70	4,570.45	4,497.74	62.89	20.38	-110.24	-2,817.88	63.61	1,732.29	1,656.77	75.52	22.938	
6,000.00	4,639.66	4,641.00	4,566.91	64.31	20.72	-111.63	-2,831.59	65.57	1,773.25	1,696.92	76.33	23.231	
6,100.00	4,705.61	4,709.78	4,634.45	65.73	21.06	-112.96	-2,844.41	67.72	1,815.90	1,738.83	77.07	23.560	
6,200.00	4,771.56	4,777.52	4,701.05	67.15	21.38	-114.25	-2,856.55	70.08	1,860.18	1,782.42	77.76	23.922	
6,300.00	4,837.52	4,843.47	4,765.96	68.57	21.69	-115.47	-2,867.96	72.63	1,906.06	1,827.67	78.38	24.318	
6,400.00	4,903.47	4,904.38	4,825.90	69.99	21.98	-116.57	-2,878.40	75.31	1,953.54	1,874.62	78.92	24.753	
6,500.00	4,969.43	4,968.56	4,888.93	71.41	22.29	-117.68	-2,890.04	78.71	2,002.66	1,923.17	79.49	25.194	
6,600.00	5,035.38	5,056.08	4,974.68	72.83	22.72	-119.10	-2,906.90	83.35	2,052.63	1,972.28	80.35	25.546	
6,700.00	5,101.33	5,136.84	5,053.75	74.25	23.13	-120.36	-2,922.85	87.35	2,103.17	2,022.04	81.13	25.924	
6,800.00	5,167.29	5,205.38	5,120.94	75.67	23.47	-121.39	-2,936.00	90.67	2,154.54	2,072.80	81.73	26.361	
6,900.00	5,233.24	5,278.39	5,192.65	77.10	23.82	-122.48	-2,949.24	94.25	2,206.89	2,124.53	82.36	26.795	
7,000.00	5,299.20	5,355.37	5,268.32	78.52	24.19	-123.59	-2,962.89	97.88	2,259.94	2,176.92	83.02	27.221	
7,100.00	5,365.15	5,430.02	5,341.90	79.94	24.54	-124.65	-2,975.07	101.07	2,313.66	2,230.05	83.62	27.670	
7,200.00	5,431.10	5,502.68	5,413.72	81.36	24.86	-125.69	-2,985.75	103.84	2,368.10	2,283.96	84.14	28.144	
7,300.00	5,497.06	5,585.64	5,495.92	82.79	25.21	-126.86	-2,996.56	106.45	2,423.13	2,338.40	84.73	28.597	
7,400.00	5,563.01	5,653.28	5,563.11	84.21	25.49	-127.82	-3,004.26	108.03	2,478.68	2,393.55	85.13	29.118	
7,500.00	5,628.97	5,714.84	5,624.35	85.63	25.73	-128.68	-3,010.29	109.42	2,535.22	2,449.80	85.43	29.677	
7,600.00	5,694.92	5,786.50	5,695.76	87.06	26.00	-129.68	-3,016.27	110.75	2,592.55	2,506.76	85.79	30.220	
7,700.00	5,760.87	5,852.70	5,761.80	88.48	26.23	-130.60	-3,020.67	111.59	2,650.58	2,564.52	86.06	30.799	
7,800.00	5,826.83	5,913.92	5,822.95	89.90	26.44	-131.46	-3,023.60	112.03	2,709.42	2,623.17	86.26	31.411	
7,900.00	5,892.78	5,970.14	5,879.12	91.33	26.62	-132.23	-3,025.58	112.39	2,769.20	2,682.81	86.39	32.055	
8,000.00	5,958.74	6,037.58	5,946.55	92.75	26.83	-133.16	-3,027.32	112.74	2,829.80	2,743.21	86.60	32.678	
8,100.00	6,024.69	6,110.43	6,019.38	94.17	27.05	-134.13	-3,028.77	112.81	2,890.94	2,804.10	86.83	33.292	
8,200.00	6,090.64	6,182.79	6,091.73	95.60	27.27	-135.07	-3,029.93	112.57	2,952.51	2,865.45	87.06	33.912	
8,300.00	6,156.60	6,243.77	6,152.70	97.02	27.45	-135.85	-3,030.63	112.26	3,014.69	2,927.49	87.20	34.572	
8,400.00	6,222.55	6,305.88	6,214.82	98.45	27.63	-136.63	-3,031.06	111.93	3,077.52	2,990.18	87.34	35.234	
8,500.00	6,288.51	6,371.63	6,280.57	99.87	27.81	-137.43	-3,031.45	111.64	3,140.95	3,053.43	87.52	35.888	
8,600.00	6,354.46	6,453.40	6,362.33	101.29	28.05	-138.39	-3,032.04	111.08	3,204.69	3,116.86	87.83	36.488	
8,700.00	6,420.41	6,517.05	6,425.98	102.72	28.23	-139.11	-3,032.52	110.52	3,268.76	3,180.76	88.01	37.143	
8,800.00	6,486.37	6,577.79	6,486.71	104.14	28.41	-139.78	-3,032.89	110.02	3,333.34	3,245.17	88.17	37.807	
8,900.00	6,552.32	6,640.00	6,548.92	105.57	28.59	-140.45	-3,033.25	109.67	3,398.49	3,310.14	88.35	38.465	
9,000.00	6,618.28	6,704.66	6,613.58	106.99	28.77	-141.13	-3,033.49	109.30	3,464.08	3,375.52	88.56	39.117	
9,100.00	6,684.23	6,770.22	6,679.14	108.42	28.95	-141.81	-3,033.59	108.79	3,530.01	3,441.23	88.78	39.763	
9,200.00	6,750.18	6,834.20	6,743.11	109.84	29.14	-142.44	-3,033.88	108.47	3,596.33	3,507.33	89.00	40.409	
9,300.00	6,816.14	6,911.31	6,820.22	111.26	29.37	-143.17	-3,034.44	108.11	3,662.90	3,573.55	89.35	40.996	
9,400.00	6,882.09	6,968.76	6,877.67	112.69	29.54	-143.71	-3,034.89	107.82	3,729.73	3,640.18	89.55	41.652	
9,500.00	6,948.05	7,024.24	6,933.15	114.11	29.71	-144.21	-3,035.21	107.69	3,797.06	3,707.32	89.74	42.314	
9,600.00	7,014.00	7,089.01	6,997.92	115.54	29.90	-144.78	-3,035.45	107.56	3,864.76	3,774.76	90.01	42.938	
9,700.00	7,079.88	7,150.09	7,058.99	116.97	30.07	-147.64	-3,035.56	107.40	3,932.93	3,842.68	90.25	43.577	
9,800.00	7,142.10	7,207.60	7,116.51	118.48	30.24	-162.26	-3,035.56	107.30	4,007.78	3,917.23	90.55	44.260	
9,900.00	7,197.32	7,282.11	7,191.01	120.08	30.44	-179.03	-3,035.60	107.01	4,090.43	3,999.35	91.08	44.908	
10,000.00	7,243.87	7,328.15	7,237.05	121.71	30.58	160.79	-3,035.69	106.73	4,178.28	4,086.82	91.46	45.685	
10,100.00	7,280.34	7,360.34	7,269.24	123.32	30.67	137.30	-3,035.75	106.57	4,268.92	4,177.15	91.77	46.519	
10,200.00	7,305.62	7,382.64	7,291.54	124.84	30.73	114.72	-3,035.78	106.48	4,359.73	4,267.70	92.04	47.370	

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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
10,300.00	7,318.93	7,396.19	7,305.10	126.22	30.77	97.54	-3,035.80	106.44	4,448.22	4,355.95	92.28	48.206		
10,400.00	7,321.00	7,399.10	7,308.00	127.44	30.78	90.39	-3,035.80	106.43	4,532.63	4,440.15	92.48	49.012		
10,500.00	7,321.00	7,399.53	7,308.43	128.66	30.78	90.40	-3,035.80	106.43	4,616.65	4,523.97	92.68	49.815		
10,600.00	7,321.00	7,399.96	7,308.87	129.91	30.78	90.41	-3,035.80	106.43	4,701.30	4,608.43	92.87	50.622		
10,700.00	7,321.00	7,400.40	7,309.30	131.19	30.79	90.42	-3,035.80	106.42	4,786.54	4,693.48	93.06	51.433		
10,800.00	7,321.00	7,400.84	7,309.74	132.51	30.79	90.43	-3,035.80	106.42	4,872.34	4,779.09	93.26	52.247		
10,900.00	7,321.00	7,401.28	7,310.18	133.87	30.79	90.44	-3,035.81	106.42	4,958.68	4,865.23	93.44	53.066		
11,000.00	7,321.00	7,401.73	7,310.63	135.26	30.79	90.45	-3,035.81	106.42	5,045.51	4,951.88	93.63	53.888		
11,100.00	7,321.00	7,402.18	7,311.08	136.68	30.79	90.46	-3,035.81	106.42	5,132.83	5,039.02	93.81	54.713		
11,200.00	7,321.00	7,402.63	7,311.54	138.14	30.79	90.47	-3,035.81	106.42	5,220.61	5,126.61	93.99	55.542		
11,300.00	7,321.00	7,403.09	7,311.99	139.63	30.79	90.48	-3,035.81	106.41	5,308.81	5,214.64	94.17	56.373		
11,400.00	7,321.00	7,403.55	7,312.45	141.15	30.79	90.50	-3,035.81	106.41	5,397.43	5,303.08	94.35	57.208		
11,500.00	7,321.00	7,404.02	7,312.92	142.70	30.80	90.51	-3,035.81	106.41	5,486.44	5,391.92	94.52	58.045		
11,600.00	7,321.00	7,404.48	7,313.39	144.29	30.80	90.52	-3,035.81	106.41	5,575.82	5,481.13	94.69	58.885		
11,700.00	7,321.00	7,404.96	7,313.86	145.91	30.80	90.53	-3,035.81	106.41	5,665.55	5,570.70	94.86	59.728		
11,800.00	7,321.00	7,405.43	7,314.34	147.55	30.80	90.54	-3,035.81	106.40	5,755.63	5,660.61	95.02	60.573		
11,900.00	7,321.00	7,405.91	7,314.82	149.23	30.80	90.55	-3,035.81	106.40	5,846.02	5,750.84	95.18	61.420		
12,000.00	7,321.00	7,406.40	7,315.30	150.93	30.80	90.56	-3,035.81	106.40	5,936.73	5,841.39	95.34	62.270		
12,100.00	7,321.00	7,406.89	7,315.79	152.67	30.80	90.57	-3,035.81	106.40	6,027.73	5,932.23	95.49	63.121		
12,200.00	7,321.00	7,407.38	7,316.28	154.43	30.81	90.58	-3,035.81	106.40	6,119.00	6,023.36	95.65	63.975		
12,300.00	7,321.00	7,407.88	7,316.78	156.22	30.81	90.60	-3,035.82	106.40	6,210.55	6,114.75	95.80	64.830		
12,400.00	7,321.00	7,408.38	7,317.28	158.04	30.81	90.61	-3,035.82	106.39	6,302.36	6,206.41	95.95	65.687		
12,500.00	7,321.00	7,408.88	7,317.79	159.88	30.81	90.62	-3,035.82	106.39	6,394.41	6,298.32	96.09	66.546		
12,600.00	7,321.00	7,409.39	7,318.29	161.75	30.81	90.63	-3,035.82	106.39	6,486.69	6,390.46	96.23	67.406		
12,700.00	7,321.00	7,409.90	7,318.81	163.64	30.81	90.64	-3,035.82	106.39	6,579.21	6,482.83	96.37	68.268		
12,800.00	7,321.00	7,410.42	7,319.33	165.56	30.81	90.65	-3,035.82	106.39	6,671.93	6,575.42	96.51	69.131		
12,900.00	7,321.00	7,410.95	7,319.85	167.49	30.82	90.67	-3,035.82	106.38	6,764.87	6,668.22	96.65	69.995		
13,000.00	7,321.00	7,411.47	7,320.38	169.46	30.82	90.68	-3,035.82	106.38	6,858.00	6,761.22	96.78	70.861		
13,100.00	7,321.00	7,412.00	7,320.91	171.44	30.82	90.69	-3,035.82	106.38	6,951.33	6,854.41	96.91	71.728		
13,200.00	7,321.00	7,412.54	7,321.45	173.45	30.82	90.70	-3,035.82	106.38	7,044.83	6,947.79	97.04	72.596		
13,300.00	7,321.00	7,413.08	7,321.99	175.47	30.82	90.72	-3,035.82	106.38	7,138.52	7,041.35	97.17	73.465		
13,400.00	7,321.00	7,413.63	7,322.53	177.52	30.82	90.73	-3,035.82	106.37	7,232.37	7,135.07	97.29	74.334		
13,500.00	7,321.00	7,414.18	7,323.08	179.58	30.83	90.74	-3,035.83	106.37	7,326.38	7,228.97	97.42	75.205		
13,600.00	7,321.00	7,414.74	7,323.64	181.67	30.83	90.75	-3,035.83	106.37	7,420.56	7,323.02	97.54	76.077		
13,700.00	7,321.00	7,415.30	7,324.20	183.77	30.83	90.77	-3,035.83	106.37	7,514.88	7,417.22	97.66	76.949		
13,800.00	7,321.00	7,415.86	7,324.77	185.89	30.83	90.78	-3,035.83	106.36	7,609.35	7,511.57	97.78	77.822		
13,900.00	7,321.00	7,416.43	7,325.34	188.02	30.83	90.79	-3,035.83	106.36	7,703.95	7,606.06	97.90	78.696		
14,000.00	7,321.00	7,417.01	7,325.91	190.18	30.83	90.81	-3,035.83	106.36	7,798.69	7,700.68	98.01	79.570		
14,100.00	7,321.00	7,417.59	7,326.49	192.35	30.84	90.82	-3,035.83	106.36	7,893.56	7,795.44	98.12	80.445		
14,200.00	7,321.00	7,418.18	7,327.08	194.53	30.84	90.83	-3,035.83	106.35	7,988.56	7,890.32	98.24	81.320		
14,300.00	7,321.00	7,418.77	7,327.67	196.73	30.84	90.85	-3,035.83	106.35	8,083.68	7,985.33	98.35	82.196		
14,400.00	7,321.00	7,419.37	7,328.27	198.95	30.84	90.86	-3,035.83	106.35	8,178.91	8,080.45	98.46	83.072		
14,500.00	7,321.00	7,419.97	7,328.87	201.17	30.84	90.87	-3,035.84	106.35	8,274.26	8,175.69	98.56	83.948		
14,600.00	7,321.00	7,420.58	7,329.48	203.42	30.84	90.89	-3,035.84	106.34	8,369.71	8,271.04	98.67	84.825		
14,700.00	7,321.00	7,421.19	7,330.10	205.67	30.85	90.90	-3,035.84	106.34	8,465.27	8,366.49	98.78	85.702		
14,800.00	7,321.00	7,421.81	7,330.72	207.94	30.85	90.92	-3,035.84	106.34	8,560.93	8,462.05	98.88	86.579		
14,900.00	7,321.00	7,422.44	7,331.34	210.22	30.85	90.93	-3,035.84	106.34	8,656.69	8,557.71	98.98	87.456		
15,000.00	7,321.00	7,423.07	7,331.97	212.51	30.85	90.95	-3,035.84	106.33	8,752.54	8,653.46	99.09	88.333		
15,100.00	7,321.00	7,423.71	7,332.61	214.81	30.85	90.96	-3,035.84	106.33	8,848.49	8,749.30	99.19	89.211		
15,200.00	7,321.00	7,424.35	7,333.25	217.12	30.86	90.98	-3,035.84	106.33	8,944.52	8,845.24	99.29	90.088		
15,300.00	7,321.00	7,425.00	7,333.90	219.45	30.86	90.99	-3,035.85	106.33	9,040.64	8,941.26	99.38	90.966		
15,400.00	7,321.00	7,425.66	7,334.56	221.78	30.86	91.01	-3,035.85	106.32	9,136.84	9,037.36	99.48	91.843		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	
15,500.00	7,321.00	7,426.32	7,335.22	224.13	30.86	91.02	-3,035.85	106.32	9,233.13	9,133.55	99.58	92.721	
15,600.00	7,321.00	7,426.99	7,335.89	226.48	30.86	91.04	-3,035.85	106.32	9,329.49	9,229.81	99.68	93.598	
15,700.00	7,321.00	7,427.67	7,336.57	228.85	30.87	91.05	-3,035.85	106.31	9,425.93	9,326.16	99.77	94.476	
15,800.00	7,321.00	7,428.35	7,337.25	231.22	30.87	91.07	-3,035.85	106.31	9,522.44	9,422.57	99.87	95.353	
15,900.00	7,321.00	7,429.04	7,337.94	233.60	30.87	91.08	-3,035.85	106.31	9,619.02	9,519.06	99.96	96.230	
16,000.00	7,321.00	7,429.73	7,338.64	235.99	30.87	91.10	-3,035.85	106.30	9,715.67	9,615.62	100.05	97.106	
16,100.00	7,321.00	7,430.44	7,339.34	238.39	30.87	91.12	-3,035.86	106.30	9,812.39	9,712.25	100.14	97.983	
16,200.00	7,321.00	7,431.15	7,340.05	240.79	30.88	91.13	-3,035.86	106.30	9,909.18	9,808.94	100.24	98.859	
16,300.00	7,321.00	7,431.86	7,340.77	243.21	30.88	91.15	-3,035.86	106.29	10,006.02	9,905.70	100.33	99.735	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	67.97	67.96	0.27	0.11	-176.99	-2,111.22	-111.03	2,114.14	2,113.76	0.38	5,623.071	
200.00	200.00	164.21	164.19	0.63	0.34	-177.04	-2,111.49	-109.12	2,114.31	2,113.35	0.96	2,194.829	
300.00	300.00	240.33	240.29	0.99	0.61	-177.07	-2,111.95	-107.97	2,114.92	2,113.32	1.60	1,325.711	
400.00	400.00	304.00	303.94	1.34	0.84	-177.09	-2,113.66	-107.27	2,117.41	2,115.23	2.18	970.914	
500.00	499.98	345.33	345.22	1.69	0.99	-27.68	-2,115.69	-106.85	2,120.52	2,117.84	2.67	793.366	
600.00	599.84	396.00	395.75	2.03	1.17	-27.71	-2,119.34	-106.27	2,122.98	2,119.79	3.19	666.413	
700.00	699.45	445.23	444.75	2.38	1.36	-27.77	-2,124.04	-105.69	2,124.71	2,121.00	3.70	573.486	
800.00	798.70	487.00	486.24	2.75	1.52	-27.84	-2,128.87	-105.22	2,125.69	2,121.49	4.20	505.858	
900.00	897.47	554.63	553.22	3.15	1.80	-28.01	-2,138.12	-104.30	2,125.61	2,120.81	4.81	442.199	
1,000.00	995.62	617.64	615.43	3.58	2.06	-28.22	-2,148.08	-103.08	2,124.46	2,119.05	5.41	392.892	
1,100.00	1,093.06	675.00	671.92	4.04	2.31	-28.46	-2,157.94	-101.63	2,121.86	2,115.86	6.00	353.741	
1,200.00	1,189.64	752.94	748.48	4.54	2.67	-28.81	-2,172.46	-100.24	2,117.69	2,111.00	6.69	316.591	
1,300.00	1,285.27	811.96	806.27	5.08	2.95	-29.10	-2,184.42	-100.03	2,112.19	2,104.87	7.32	288.478	
1,400.00	1,379.82	862.00	855.07	5.67	3.19	-29.39	-2,195.50	-99.88	2,105.75	2,097.82	7.93	265.383	
1,500.00	1,473.17	929.00	920.11	6.30	3.54	-29.81	-2,211.55	-99.55	2,098.23	2,089.59	8.65	242.660	
1,600.00	1,565.21	988.81	977.90	6.99	3.86	-30.24	-2,226.98	-98.92	2,089.64	2,080.29	9.35	223.505	
1,700.00	1,655.84	1,050.00	1,036.70	7.73	4.19	-30.75	-2,243.82	-97.50	2,080.04	2,069.95	10.09	206.090	
1,800.00	1,744.94	1,104.27	1,088.57	8.52	4.52	-31.25	-2,259.72	-95.98	2,069.54	2,058.70	10.83	191.008	
1,900.00	1,832.39	1,144.00	1,126.35	9.37	4.75	-31.68	-2,271.97	-94.99	2,058.35	2,046.81	11.54	178.381	
2,000.00	1,918.11	1,213.38	1,191.89	10.27	5.19	-32.37	-2,294.66	-93.27	2,046.29	2,033.86	12.43	164.672	
2,100.00	2,001.97	1,262.98	1,238.36	11.22	5.52	-32.95	-2,311.96	-91.97	2,033.80	2,020.55	13.25	153.440	
2,200.00	2,083.88	1,331.00	1,301.37	12.23	5.98	-33.73	-2,337.53	-90.36	2,021.29	2,007.07	14.23	142.087	
2,300.00	2,163.74	1,358.93	1,327.00	13.29	6.19	-34.16	-2,348.60	-89.71	2,008.12	1,993.10	15.02	133.705	
2,400.00	2,241.45	1,425.00	1,387.13	14.40	6.68	-35.02	-2,375.90	-87.90	1,994.94	1,978.86	16.08	124.059	
2,500.00	2,316.92	1,463.02	1,421.42	15.57	6.97	-35.61	-2,392.27	-86.64	1,981.27	1,964.25	17.03	116.373	
2,600.00	2,390.05	1,518.00	1,470.61	16.78	7.41	-36.45	-2,416.74	-84.45	1,967.43	1,949.30	18.13	108.507	
2,700.00	2,460.76	1,595.84	1,539.86	18.05	8.05	-37.63	-2,452.11	-80.81	1,952.79	1,933.33	19.46	100.323	
2,800.00	2,528.95	1,720.55	1,651.25	19.37	9.07	-39.59	-2,507.79	-74.43	1,935.79	1,914.57	21.22	91.240	
2,900.00	2,595.08	1,800.38	1,722.87	20.72	9.72	-40.87	-2,542.81	-70.25	1,917.09	1,894.36	22.74	84.323	
3,000.00	2,661.04	1,893.80	1,806.70	22.08	10.49	-42.27	-2,583.78	-65.47	1,899.39	1,874.97	24.42	77.785	
3,100.00	2,726.99	2,007.42	1,909.23	23.46	11.41	-44.01	-2,632.42	-60.03	1,881.85	1,855.53	26.32	71.502	
3,200.00	2,792.94	2,080.00	1,974.76	24.84	11.99	-45.14	-2,663.45	-56.68	1,865.55	1,837.58	27.97	66.697	
3,300.00	2,858.90	2,183.11	2,067.92	26.22	12.83	-46.75	-2,707.40	-52.15	1,850.40	1,820.47	29.92	61.839	
3,400.00	2,924.85	2,262.78	2,139.95	27.61	13.48	-48.00	-2,741.32	-49.14	1,836.34	1,804.59	31.75	57.842	
3,500.00	2,990.81	2,356.17	2,224.36	29.00	14.23	-49.48	-2,781.12	-45.80	1,823.60	1,789.86	33.74	54.043	
3,600.00	3,056.76	2,452.46	2,311.62	30.40	15.01	-51.03	-2,821.69	-42.36	1,811.79	1,775.97	35.83	50.573	
3,700.00	3,122.71	2,522.99	2,375.49	31.80	15.58	-52.17	-2,851.52	-39.97	1,801.47	1,763.73	37.74	47.737	
3,800.00	3,188.67	2,583.18	2,429.75	33.20	16.08	-53.14	-2,877.47	-37.66	1,793.47	1,753.87	39.60	45.295	
3,900.00	3,254.62	2,643.00	2,483.18	34.60	16.58	-54.11	-2,904.26	-35.14	1,788.35	1,746.88	41.47	43.120	
4,000.00	3,320.58	2,735.24	2,565.40	36.01	17.37	-55.61	-2,945.83	-30.77	1,785.21	1,741.49	43.72	40.828	
4,100.00	3,386.53	2,826.89	2,647.38	37.41	18.14	-57.12	-2,986.56	-26.31	1,783.05	1,737.03	46.02	38.749	
4,175.58	3,436.38	2,882.17	2,696.75	38.48	18.62	-58.02	-3,011.30	-23.82	1,782.45	1,734.83	47.62	37.430 CC	
4,200.00	3,452.48	2,899.93	2,712.56	38.82	18.77	-58.31	-3,019.35	-23.07	1,782.51	1,734.37	48.14	37.028	
4,300.00	3,518.44	2,988.59	2,791.44	40.23	19.53	-59.74	-3,059.65	-19.22	1,783.79	1,733.33	50.47	35.347	
4,400.00	3,584.39	3,081.51	2,874.52	41.64	20.32	-61.27	-3,101.01	-14.51	1,786.16	1,733.28	52.88	33.778 ES	
4,500.00	3,650.35	3,172.23	2,955.69	43.05	21.09	-62.75	-3,141.29	-10.26	1,789.72	1,734.42	55.29	32.368	
4,600.00	3,716.30	3,257.63	3,032.04	44.46	21.82	-64.13	-3,179.38	-6.66	1,794.58	1,736.92	57.66	31.123	
4,700.00	3,782.25	3,353.46	3,117.71	45.88	22.63	-65.67	-3,222.14	-2.70	1,800.84	1,740.66	60.18	29.926	
4,800.00	3,848.21	3,445.67	3,200.36	47.29	23.41	-67.14	-3,262.88	0.59	1,807.83	1,745.17	62.66	28.852	
4,900.00	3,914.16	3,522.09	3,268.92	48.71	24.05	-68.36	-3,296.52	3.64	1,816.35	1,751.41	64.95	27.966	
5,000.00	3,980.12	3,603.43	3,341.83	50.12	24.74	-69.67	-3,332.35	7.71	1,826.90	1,759.60	67.30	27.145	
5,100.00	4,046.07	3,706.69	3,434.93	51.54	25.60	-71.32	-3,376.74	12.57	1,837.92	1,767.98	69.95	26.276	

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	4,112.02	3,782.65	3,503.27	52.95	26.23	-72.53	-3,409.69	16.21	1,850.67	1,778.46	72.22	25.627		
5,300.00	4,177.98	3,898.94	3,608.38	54.37	27.18	-74.36	-3,459.18	21.38	1,864.04	1,789.02	75.03	24.845		
5,400.00	4,243.93	3,992.83	3,693.78	55.79	27.94	-75.84	-3,498.01	25.23	1,877.86	1,800.34	77.52	24.225		
5,500.00	4,309.89	4,074.95	3,768.36	57.21	28.60	-77.11	-3,532.23	28.36	1,892.99	1,813.16	79.83	23.713		
5,600.00	4,375.84	4,153.83	3,839.84	58.63	29.25	-78.31	-3,565.46	31.32	1,909.63	1,827.55	82.08	23.266		
5,700.00	4,441.79	4,226.47	3,905.34	60.05	29.85	-79.38	-3,596.75	34.02	1,927.97	1,843.76	84.21	22.895		
5,800.00	4,507.75	4,301.23	3,972.41	61.47	30.48	-80.46	-3,629.65	36.88	1,948.01	1,861.67	86.34	22.561		
5,900.00	4,573.70	4,377.62	4,040.75	62.89	31.13	-81.53	-3,663.62	40.05	1,969.63	1,881.16	88.47	22.262		
6,000.00	4,639.66	4,467.78	4,121.34	64.31	31.90	-82.78	-3,703.86	44.04	1,992.59	1,901.79	90.80	21.946		
6,100.00	4,705.61	4,553.03	4,197.93	65.73	32.62	-83.95	-3,741.11	47.77	2,016.12	1,923.11	93.01	21.676		
6,200.00	4,771.56	4,621.99	4,259.54	67.15	33.21	-84.87	-3,771.92	50.98	2,041.29	1,946.35	94.93	21.502		
6,300.00	4,837.52	4,704.00	4,332.68	68.57	33.91	-85.95	-3,808.77	55.18	2,067.88	1,970.83	97.04	21.309		
6,400.00	4,903.47	4,772.64	4,393.75	69.99	34.51	-86.83	-3,839.88	58.94	2,095.81	1,996.91	98.90	21.191		
6,500.00	4,969.43	4,856.65	4,468.15	71.41	35.25	-87.87	-3,878.61	63.66	2,125.01	2,024.02	100.99	21.041		
6,600.00	5,035.38	4,993.94	4,590.38	72.83	36.44	-89.54	-3,940.75	70.46	2,154.32	2,050.34	103.99	20.717		
6,700.00	5,101.33	5,084.86	4,671.68	74.25	37.21	-90.62	-3,981.32	73.85	2,183.08	2,076.94	106.14	20.567		
6,800.00	5,167.29	5,211.63	4,786.10	75.67	38.26	-92.13	-4,035.76	77.48	2,211.26	2,102.42	108.84	20.317		
6,900.00	5,233.24	5,306.18	4,872.04	77.10	39.02	-93.26	-4,075.09	79.93	2,239.73	2,128.77	110.96	20.185		
7,000.00	5,299.20	5,407.47	4,964.93	78.52	39.80	-94.48	-4,115.41	82.46	2,268.43	2,155.29	113.14	20.051		
7,100.00	5,365.15	5,521.29	5,070.40	79.94	40.64	-95.88	-4,158.08	85.19	2,297.34	2,181.93	115.41	19.906		
7,200.00	5,431.10	5,653.07	5,195.17	81.36	41.52	-97.63	-4,200.34	87.86	2,325.54	2,207.79	117.76	19.749		
7,300.00	5,497.06	5,737.17	5,275.76	82.79	42.02	-98.78	-4,224.31	89.46	2,354.01	2,234.62	119.39	19.717		
7,400.00	5,563.01	5,859.83	5,394.38	84.21	42.70	-100.50	-4,255.43	91.36	2,382.76	2,261.42	121.34	19.637		
7,500.00	5,628.97	5,974.18	5,506.12	85.63	43.26	-102.16	-4,279.68	92.39	2,411.63	2,288.59	123.03	19.602 SF		
7,600.00	5,694.92	6,074.31	5,604.63	87.06	43.70	-103.65	-4,297.56	92.40	2,440.61	2,316.16	124.45	19.611		
7,700.00	5,760.87	6,159.17	5,688.55	88.48	44.04	-104.94	-4,310.13	92.36	2,470.62	2,344.99	125.63	19.665		
7,800.00	5,826.83	6,246.61	5,775.31	89.90	44.35	-106.28	-4,321.13	92.18	2,501.74	2,375.02	126.72	19.742		
7,900.00	5,892.78	6,328.40	5,856.62	91.33	44.62	-107.54	-4,329.81	91.72	2,533.88	2,406.21	127.67	19.848		
8,000.00	5,958.74	6,397.72	5,925.69	92.75	44.83	-108.62	-4,335.76	91.41	2,567.46	2,439.02	128.44	19.989		
8,100.00	6,024.69	6,467.04	5,994.87	94.17	45.02	-109.71	-4,340.16	91.22	2,602.56	2,473.45	129.10	20.159		
8,200.00	6,090.64	6,555.25	6,082.97	95.60	45.24	-111.09	-4,344.41	90.81	2,638.99	2,509.21	129.78	20.335		
8,300.00	6,156.60	6,621.14	6,148.78	97.02	45.40	-112.11	-4,347.55	90.16	2,676.50	2,546.23	130.27	20.546		
8,400.00	6,222.55	6,677.13	6,204.75	98.45	45.52	-112.98	-4,349.13	89.85	2,715.73	2,585.09	130.64	20.788		
8,500.00	6,288.51	6,746.80	6,274.41	99.87	45.66	-114.07	-4,350.06	89.52	2,756.49	2,625.51	130.98	21.046		
8,600.00	6,354.46	6,824.72	6,352.33	101.29	45.80	-115.27	-4,350.35	88.96	2,798.50	2,667.22	131.27	21.318		
8,700.00	6,420.41	6,899.39	6,427.00	102.72	45.92	-116.41	-4,350.47	88.08	2,841.56	2,710.05	131.51	21.607		
8,800.00	6,486.37	6,967.05	6,494.65	104.14	46.03	-117.42	-4,350.44	87.17	2,885.82	2,754.15	131.67	21.917		
8,900.00	6,552.32	7,028.09	6,555.69	105.57	46.13	-118.33	-4,350.19	86.37	2,931.38	2,799.62	131.76	22.248		
9,000.00	6,618.28	7,109.68	6,637.26	106.99	46.26	-119.51	-4,349.84	85.24	2,978.09	2,846.19	131.90	22.578		
9,100.00	6,684.23	7,180.70	6,708.28	108.42	46.39	-120.52	-4,350.07	83.97	3,025.57	2,893.58	131.99	22.923		
9,200.00	6,750.18	7,242.15	6,769.71	109.84	46.50	-121.36	-4,350.56	83.01	3,074.20	2,942.17	132.03	23.284		
9,300.00	6,816.14	7,305.77	6,833.32	111.26	46.62	-122.22	-4,351.13	82.11	3,123.93	2,991.86	132.06	23.655		
9,400.00	6,882.09	7,375.35	6,902.89	112.69	46.75	-123.15	-4,351.63	81.14	3,174.64	3,042.54	132.10	24.033		
9,500.00	6,948.05	7,444.19	6,971.73	114.11	46.88	-124.05	-4,351.75	79.98	3,226.18	3,094.08	132.10	24.422		
9,600.00	7,014.00	7,506.91	7,034.44	115.54	46.99	-124.86	-4,351.61	78.91	3,278.64	3,146.59	132.06	24.828		
9,700.00	7,079.88	7,554.90	7,082.42	116.97	47.07	-127.15	-4,351.38	78.20	3,332.38	3,200.46	131.92	25.260		
9,800.00	7,142.10	7,608.00	7,135.52	118.48	47.16	-137.25	-4,351.05	77.76	3,396.12	3,264.23	131.88	25.751		
9,900.00	7,197.32	7,639.20	7,166.71	120.08	47.21	-147.22	-4,350.82	77.64	3,472.37	3,340.54	131.84	26.339		
10,000.00	7,243.87	7,674.36	7,201.88	121.71	47.26	-159.22	-4,350.56	77.63	3,558.39	3,426.50	131.89	26.979		
10,100.00	7,280.34	7,702.00	7,229.51	123.32	47.31	-177.66	-4,350.34	77.69	3,651.22	3,519.23	131.99	27.664		
10,200.00	7,305.62	7,725.39	7,252.91	124.84	47.35	147.99	-4,350.17	77.78	3,747.85	3,615.73	132.12	28.367		
10,300.00	7,318.93	7,737.78	7,265.29	126.22	47.37	105.15	-4,350.08	77.83	3,845.36	3,713.11	132.25	29.077		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,321.00	7,739.33	7,266.85	127.44	47.37	88.81	-4,350.07	77.84	3,941.30	3,808.93	132.37	29.775		
10,500.00	7,321.00	7,738.91	7,266.42	128.66	47.37	88.79	-4,350.08	77.84	4,036.93	3,904.45	132.48	30.472		
10,600.00	7,321.00	7,738.48	7,265.99	129.91	47.37	88.77	-4,350.08	77.84	4,132.77	4,000.18	132.59	31.170		
10,700.00	7,321.00	7,738.06	7,265.57	131.19	47.37	88.75	-4,350.08	77.83	4,228.80	4,096.11	132.69	31.870		
10,800.00	7,321.00	7,737.64	7,265.15	132.51	47.37	88.73	-4,350.08	77.83	4,325.01	4,192.23	132.78	32.573		
10,900.00	7,321.00	7,737.22	7,264.73	133.87	47.37	88.71	-4,350.09	77.83	4,421.39	4,288.52	132.87	33.276		
11,000.00	7,321.00	7,736.80	7,264.31	135.26	47.37	88.69	-4,350.09	77.83	4,517.92	4,384.97	132.95	33.982		
11,100.00	7,321.00	7,736.38	7,263.89	136.68	47.37	88.67	-4,350.09	77.83	4,614.60	4,481.57	133.03	34.688		
11,200.00	7,321.00	7,735.97	7,263.48	138.14	47.37	88.65	-4,350.09	77.82	4,711.43	4,578.32	133.11	35.396		
11,300.00	7,321.00	7,735.55	7,263.07	139.63	47.36	88.63	-4,350.10	77.82	4,808.38	4,675.20	133.18	36.105		
11,400.00	7,321.00	7,735.14	7,262.66	141.15	47.36	88.61	-4,350.10	77.82	4,905.45	4,772.21	133.24	36.815		
11,500.00	7,321.00	7,734.73	7,262.25	142.70	47.36	88.59	-4,350.10	77.82	5,002.64	4,869.33	133.31	37.527		
11,600.00	7,321.00	7,734.33	7,261.84	144.29	47.36	88.57	-4,350.10	77.82	5,099.94	4,966.57	133.37	38.239		
11,700.00	7,321.00	7,733.92	7,261.44	145.91	47.36	88.55	-4,350.11	77.82	5,197.34	5,063.91	133.43	38.952		
11,800.00	7,321.00	7,733.52	7,261.03	147.55	47.36	88.53	-4,350.11	77.81	5,294.83	5,161.35	133.49	39.666		
11,900.00	7,321.00	7,733.12	7,260.63	149.23	47.36	88.51	-4,350.11	77.81	5,392.42	5,258.88	133.54	40.380		
12,000.00	7,321.00	7,732.72	7,260.23	150.93	47.36	88.49	-4,350.12	77.81	5,490.10	5,356.50	133.59	41.096		
12,100.00	7,321.00	7,732.32	7,259.83	152.67	47.36	88.47	-4,350.12	77.81	5,587.86	5,454.21	133.64	41.812		
12,200.00	7,321.00	7,731.92	7,259.43	154.43	47.36	88.45	-4,350.12	77.81	5,685.69	5,552.00	133.69	42.528		
12,300.00	7,321.00	7,731.53	7,259.04	156.22	47.36	88.43	-4,350.12	77.81	5,783.60	5,649.86	133.74	43.245		
12,400.00	7,321.00	7,731.13	7,258.65	158.04	47.36	88.41	-4,350.13	77.80	5,881.58	5,747.80	133.79	43.963		
12,500.00	7,321.00	7,730.74	7,258.25	159.88	47.36	88.39	-4,350.13	77.80	5,979.63	5,845.80	133.83	44.681		
12,600.00	7,321.00	7,730.35	7,257.86	161.75	47.36	88.37	-4,350.13	77.80	6,077.74	5,943.86	133.87	45.399		
12,700.00	7,321.00	7,729.96	7,257.48	163.64	47.36	88.35	-4,350.13	77.80	6,175.91	6,041.99	133.92	46.118		
12,800.00	7,321.00	7,729.58	7,257.09	165.56	47.35	88.33	-4,350.14	77.80	6,274.14	6,140.18	133.96	46.837		
12,900.00	7,321.00	7,729.19	7,256.70	167.49	47.35	88.32	-4,350.14	77.80	6,372.42	6,238.42	134.00	47.557		
13,000.00	7,321.00	7,728.81	7,256.32	169.46	47.35	88.30	-4,350.14	77.79	6,470.76	6,336.72	134.04	48.276		
13,100.00	7,321.00	7,728.43	7,255.94	171.44	47.35	88.28	-4,350.14	77.79	6,569.14	6,435.07	134.07	48.996		
13,200.00	7,321.00	7,728.05	7,255.56	173.45	47.35	88.26	-4,350.15	77.79	6,667.58	6,533.47	134.11	49.717		
13,300.00	7,321.00	7,727.67	7,255.18	175.47	47.35	88.24	-4,350.15	77.79	6,766.06	6,631.91	134.15	50.437		
13,400.00	7,321.00	7,727.29	7,254.80	177.52	47.35	88.22	-4,350.15	77.79	6,864.58	6,730.40	134.19	51.158		
13,500.00	7,321.00	7,726.91	7,254.43	179.58	47.35	88.20	-4,350.15	77.79	6,963.15	6,828.93	134.22	51.878		
13,600.00	7,321.00	7,726.54	7,254.05	181.67	47.35	88.18	-4,350.16	77.78	7,061.76	6,927.50	134.26	52.599		
13,700.00	7,321.00	7,726.17	7,253.68	183.77	47.35	88.17	-4,350.16	77.78	7,160.40	7,026.11	134.29	53.320		
13,800.00	7,321.00	7,725.80	7,253.31	185.89	47.35	88.15	-4,350.16	77.78	7,259.08	7,124.76	134.33	54.041		
13,900.00	7,321.00	7,725.43	7,252.94	188.02	47.35	88.13	-4,350.17	77.78	7,357.80	7,223.44	134.36	54.762		
14,000.00	7,321.00	7,725.06	7,252.57	190.18	47.35	88.11	-4,350.17	77.78	7,456.55	7,322.16	134.39	55.483		
14,100.00	7,321.00	7,724.69	7,252.21	192.35	47.35	88.09	-4,350.17	77.78	7,555.34	7,420.91	134.43	56.204		
14,200.00	7,321.00	7,724.33	7,251.84	194.53	47.35	88.08	-4,350.17	77.77	7,654.16	7,519.70	134.46	56.925		
14,300.00	7,321.00	7,723.97	7,251.48	196.73	47.35	88.06	-4,350.18	77.77	7,753.00	7,618.51	134.49	57.646		
14,400.00	7,321.00	7,723.60	7,251.12	198.95	47.34	88.04	-4,350.18	77.77	7,851.88	7,717.35	134.53	58.367		
14,500.00	7,321.00	7,723.24	7,250.76	201.17	47.34	88.02	-4,350.18	77.77	7,950.78	7,816.22	134.56	59.088		
14,600.00	7,321.00	7,722.88	7,250.40	203.42	47.34	88.01	-4,350.18	77.77	8,049.71	7,915.12	134.59	59.809		
14,700.00	7,321.00	7,722.53	7,250.04	205.67	47.34	87.99	-4,350.19	77.77	8,148.67	8,014.05	134.62	60.530		
14,800.00	7,321.00	7,722.17	7,249.69	207.94	47.34	87.97	-4,350.19	77.77	8,247.65	8,113.00	134.65	61.251		
14,900.00	7,321.00	7,721.82	7,249.33	210.22	47.34	87.95	-4,350.19	77.76	8,346.66	8,211.97	134.69	61.971		
15,000.00	7,321.00	7,721.46	7,248.98	212.51	47.34	87.94	-4,350.19	77.76	8,445.69	8,310.97	134.72	62.692		
15,100.00	7,321.00	7,721.11	7,248.63	214.81	47.34	87.92	-4,350.20	77.76	8,544.74	8,409.99	134.75	63.412		
15,200.00	7,321.00	7,720.76	7,248.28	217.12	47.34	87.90	-4,350.20	77.76	8,643.82	8,509.03	134.78	64.132		
15,300.00	7,321.00	7,720.41	7,247.93	219.45	47.34	87.88	-4,350.20	77.76	8,742.91	8,608.10	134.81	64.852		
15,400.00	7,321.00	7,720.07	7,247.58	221.78	47.34	87.87	-4,350.20	77.76	8,842.03	8,707.18	134.84	65.572		
15,500.00	7,321.00	7,719.72	7,247.23	224.13	47.34	87.85	-4,350.21	77.76	8,941.16	8,806.29	134.88	66.292		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - EXIST HZ BALDRIDGE 7-1 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 126-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,600.00	7,321.00	7,719.38	7,246.89	226.48	47.34	87.83	-4,350.21	77.75	9,040.32	8,905.41	134.91	67.011	
15,700.00	7,321.00	7,719.03	7,246.55	228.85	47.34	87.82	-4,350.21	77.75	9,139.49	9,004.55	134.94	67.730	
15,800.00	7,321.00	7,718.69	7,246.20	231.22	47.34	87.80	-4,350.21	77.75	9,238.68	9,103.71	134.97	68.449	
15,900.00	7,321.00	7,718.35	7,245.86	233.60	47.34	87.78	-4,350.22	77.75	9,337.89	9,202.89	135.00	69.168	
16,000.00	7,321.00	7,718.01	7,245.52	235.99	47.34	87.77	-4,350.22	77.75	9,437.11	9,302.08	135.03	69.887	
16,100.00	7,321.00	7,717.67	7,245.19	238.39	47.33	87.75	-4,350.22	77.75	9,536.35	9,401.29	135.07	70.605	
16,200.00	7,321.00	7,717.34	7,244.85	240.79	47.33	87.73	-4,350.22	77.75	9,635.61	9,500.51	135.10	71.323	
16,300.00	7,321.00	7,717.00	7,244.52	243.21	47.33	87.72	-4,350.23	77.75	9,734.88	9,599.75	135.13	72.041	
16,400.00	7,321.00	7,716.67	7,244.18	245.63	47.33	87.70	-4,350.23	77.74	9,834.17	9,699.01	135.16	72.758	
16,500.00	7,321.00	7,716.34	7,243.85	248.06	47.33	87.68	-4,350.23	77.74	9,933.47	9,798.27	135.19	73.476	
16,600.00	7,321.00	7,716.00	7,243.52	250.49	47.33	87.67	-4,350.23	77.74	10,032.78	9,897.56	135.23	74.192	
16,700.00	7,321.00	7,715.67	7,243.19	252.93	47.33	87.65	-4,350.24	77.74	10,132.11	9,996.85	135.26	74.909	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	107.20	107.20	0.27	0.16	-178.20	-2,109.88	-66.35	2,111.24	2,110.80	0.43	4,880.558		
200.00	200.00	185.00	184.99	0.63	0.45	-178.21	-2,109.34	-65.92	2,110.42	2,109.33	1.08	1,949.999		
213.99	213.99	185.00	184.99	0.68	0.45	-178.21	-2,109.34	-65.92	2,110.37	2,109.24	1.13	1,863.304		
300.00	239.36	239.36	239.35	0.99	0.65	-178.23	-2,109.75	-65.26	2,111.00	2,109.37	1.63	1,292.368		
400.00	298.50	298.50	298.45	1.34	0.86	-178.26	-2,111.20	-64.07	2,113.42	2,111.22	2.20	959.940		
500.00	499.98	366.00	365.83	1.69	1.10	-28.91	-2,114.49	-61.65	2,116.47	2,113.69	2.78	760.597		
600.00	599.84	403.88	403.57	2.03	1.24	-28.97	-2,117.19	-59.77	2,118.54	2,115.29	3.26	650.702		
700.00	699.45	457.00	456.35	2.38	1.44	-29.11	-2,122.13	-56.54	2,120.02	2,116.22	3.79	559.312		
800.00	798.70	512.68	511.52	2.75	1.66	-29.31	-2,128.49	-52.45	2,120.61	2,116.26	4.35	487.567		
900.00	897.47	575.21	573.26	3.15	1.93	-29.59	-2,136.74	-47.06	2,120.07	2,115.13	4.95	428.587		
1,000.00	995.62	644.00	640.95	3.58	2.23	-29.98	-2,146.87	-40.13	2,118.18	2,112.60	5.58	379.266		
1,100.00	1,093.06	711.70	707.34	4.04	2.54	-30.42	-2,157.77	-32.64	2,114.84	2,108.60	6.24	338.874		
1,200.00	1,189.64	780.96	775.09	4.54	2.87	-30.93	-2,169.78	-24.72	2,110.01	2,103.09	6.92	304.816		
1,300.00	1,285.27	832.00	824.90	5.08	3.12	-31.36	-2,179.20	-18.74	2,103.87	2,096.33	7.54	278.960		
1,400.00	1,379.82	899.78	890.76	5.67	3.47	-31.97	-2,192.83	-10.35	2,096.68	2,088.41	8.26	253.698		
1,500.00	1,473.17	961.88	950.73	6.30	3.81	-32.60	-2,206.60	-1.94	2,088.82	2,079.83	8.99	232.351		
1,600.00	1,565.21	1,019.00	1,005.62	6.99	4.13	-33.24	-2,219.80	6.71	2,079.80	2,070.08	9.72	214.016		
1,700.00	1,655.84	1,085.41	1,069.12	7.73	4.52	-34.05	-2,236.05	17.39	2,069.86	2,059.33	10.53	196.549		
1,800.00	1,744.94	1,146.16	1,126.88	8.52	4.90	-34.85	-2,251.95	27.44	2,059.30	2,047.95	11.35	181.390		
1,900.00	1,832.39	1,206.00	1,183.48	9.37	5.27	-35.70	-2,268.23	38.05	2,047.91	2,035.70	12.21	167.747		
2,000.00	1,918.11	1,256.59	1,231.02	10.27	5.62	-36.49	-2,282.72	47.49	2,036.14	2,023.08	13.06	155.941		
2,100.00	2,001.97	1,300.00	1,271.52	11.22	5.91	-37.22	-2,295.94	55.81	2,024.40	2,010.49	13.90	145.617		
2,200.00	2,083.88	1,347.13	1,315.15	12.23	6.25	-38.04	-2,311.16	65.09	2,012.82	1,998.01	14.82	135.856		
2,300.00	2,163.74	1,394.00	1,358.14	13.29	6.60	-38.88	-2,327.25	74.56	2,001.59	1,985.81	15.77	126.915		
2,400.00	2,241.45	1,442.05	1,401.84	14.40	6.98	-39.78	-2,344.47	84.67	1,990.59	1,973.80	16.79	118.568		
2,500.00	2,316.92	1,495.11	1,449.72	15.57	7.40	-40.80	-2,364.05	96.47	1,979.74	1,961.85	17.89	110.641		
2,600.00	2,390.05	1,563.16	1,510.83	16.78	7.96	-42.13	-2,389.63	112.07	1,968.77	1,949.59	19.17	102.679		
2,700.00	2,460.76	1,645.22	1,584.37	18.05	8.65	-43.79	-2,420.57	131.26	1,957.31	1,936.67	20.64	94.850		
2,800.00	2,528.95	1,731.33	1,661.65	19.37	9.37	-45.61	-2,452.42	151.94	1,945.01	1,922.80	22.22	87.553		
2,900.00	2,595.08	1,813.43	1,735.45	20.72	10.07	-47.33	-2,482.10	172.28	1,932.60	1,908.76	23.85	81.048		
3,000.00	2,661.04	1,892.78	1,806.86	22.08	10.74	-48.94	-2,510.33	192.23	1,922.09	1,896.58	25.51	75.347		
3,100.00	2,726.99	1,966.91	1,873.61	23.46	11.37	-50.48	-2,536.09	211.65	1,913.82	1,886.63	27.18	70.408		
3,200.00	2,792.94	2,030.54	1,930.86	24.84	11.92	-51.80	-2,558.59	227.93	1,908.20	1,879.40	28.80	66.258		
3,300.00	2,858.90	2,085.36	1,980.07	26.22	12.39	-52.92	-2,578.66	241.38	1,905.48	1,875.12	30.37	62.752		
3,333.03	2,880.68	2,101.95	1,994.90	26.68	12.54	-53.26	-2,584.82	245.53	1,905.30	1,874.43	30.87	61.713 CC		
3,400.00	2,924.85	2,143.00	2,031.47	27.61	12.90	-54.09	-2,600.25	256.00	1,906.07	1,874.09	31.98	59.595 ES		
3,500.00	2,990.81	2,225.27	2,104.78	29.00	13.63	-55.78	-2,630.98	277.20	1,909.28	1,875.40	33.88	56.349		
3,600.00	3,056.76	2,300.15	2,171.71	30.40	14.29	-57.31	-2,658.64	296.22	1,914.43	1,878.69	35.74	53.564		
3,700.00	3,122.71	2,380.26	2,243.33	31.80	15.00	-58.93	-2,688.60	316.02	1,921.92	1,884.24	37.68	51.002		
3,800.00	3,188.67	2,461.07	2,315.74	33.20	15.71	-60.55	-2,718.53	335.79	1,931.38	1,891.72	39.66	48.694		
3,900.00	3,254.62	2,536.94	2,383.76	34.60	16.37	-62.06	-2,746.82	353.94	1,943.00	1,901.39	41.61	46.693		
4,000.00	3,320.58	2,610.31	2,449.53	36.01	17.02	-63.50	-2,774.22	371.44	1,956.84	1,913.29	43.55	44.931		
4,100.00	3,386.53	2,679.94	2,511.94	37.41	17.63	-64.86	-2,800.14	388.24	1,972.97	1,927.51	45.46	43.399		
4,200.00	3,452.48	2,750.66	2,575.29	38.82	18.25	-66.24	-2,826.31	405.62	1,991.40	1,944.01	47.39	42.021		
4,300.00	3,518.44	2,816.18	2,634.01	40.23	18.83	-67.51	-2,850.28	422.09	2,012.08	1,962.82	49.26	40.847		
4,400.00	3,584.39	2,870.58	2,682.54	41.64	19.32	-68.55	-2,870.63	435.88	2,035.37	1,984.39	50.97	39.929		
4,500.00	3,650.35	2,960.20	2,762.23	43.05	20.13	-70.23	-2,904.89	458.39	2,060.93	2,007.76	53.16	38.766		
4,600.00	3,716.30	3,062.44	2,853.78	44.46	21.03	-72.10	-2,943.08	483.11	2,087.27	2,031.74	55.53	37.589		
4,700.00	3,782.25	3,158.58	2,940.41	45.88	21.86	-73.85	-2,978.12	505.73	2,114.58	2,056.78	57.81	36.581		
4,800.00	3,848.21	3,215.65	2,991.90	47.29	22.36	-74.86	-2,998.83	519.02	2,143.47	2,083.93	59.54	36.002		
4,900.00	3,914.16	3,268.00	3,038.83	48.71	22.82	-75.78	-3,018.35	531.56	2,174.86	2,113.69	61.17	35.553		
5,000.00	3,980.12	3,352.51	3,114.45	50.12	23.57	-77.22	-3,050.15	551.86	2,208.07	2,144.80	63.27	34.900		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	4,046.07	3,449.93	3,201.95	51.54	24.42	-78.85	-3,086.44	574.63	2,242.17	2,176.62	65.54	34.209		
5,200.00	4,112.02	3,522.49	3,267.29	52.95	25.05	-80.05	-3,113.20	591.33	2,277.33	2,209.90	67.43	33.773		
5,300.00	4,177.98	3,578.40	3,317.63	54.37	25.54	-80.95	-3,133.66	604.45	2,314.15	2,245.11	69.04	33.518		
5,400.00	4,243.93	3,624.69	3,359.19	55.79	25.95	-81.70	-3,150.56	615.87	2,353.13	2,282.66	70.47	33.393		
5,500.00	4,309.89	3,698.20	3,425.08	57.21	26.59	-82.87	-3,177.18	634.69	2,393.99	2,321.69	72.30	33.112		
5,600.00	4,375.84	3,783.20	3,501.56	58.63	27.34	-84.21	-3,207.38	656.22	2,435.72	2,361.42	74.30	32.784		
5,700.00	4,441.79	3,867.08	3,577.05	60.05	28.07	-85.48	-3,237.45	677.03	2,478.34	2,402.09	76.26	32.500		
5,800.00	4,507.75	3,944.39	3,646.82	61.47	28.74	-86.63	-3,264.85	695.98	2,521.77	2,443.68	78.09	32.293		
5,900.00	4,573.70	4,004.12	3,700.65	62.89	29.26	-87.50	-3,286.08	710.76	2,566.50	2,486.89	79.61	32.237		
6,000.00	4,639.66	4,055.16	3,746.49	64.31	29.72	-88.23	-3,304.46	723.65	2,612.72	2,531.75	80.97	32.268		
6,100.00	4,705.61	4,111.00	3,796.32	65.73	30.22	-89.00	-3,325.06	738.15	2,660.57	2,578.19	82.38	32.295		
6,200.00	4,771.56	4,163.48	3,842.88	67.15	30.70	-89.70	-3,344.92	752.00	2,709.81	2,626.08	83.73	32.365		
6,300.00	4,837.52	4,223.67	3,895.99	68.57	31.27	-90.47	-3,368.34	767.94	2,760.17	2,674.98	85.19	32.399		
6,400.00	4,903.47	4,279.98	3,945.36	69.99	31.80	-91.17	-3,390.84	783.03	2,811.69	2,725.11	86.58	32.475		
6,500.00	4,969.43	4,374.63	4,028.07	71.41	32.71	-92.30	-3,429.26	808.34	2,864.00	2,775.31	88.69	32.293		
6,600.00	5,035.38	4,443.07	4,088.14	72.83	33.36	-93.09	-3,456.66	826.34	2,916.49	2,826.20	90.28	32.304		
6,700.00	5,101.33	4,512.44	4,149.22	74.25	34.02	-93.90	-3,483.75	845.00	2,969.89	2,878.01	91.87	32.327		
6,800.00	5,167.29	4,615.75	4,240.86	75.67	34.97	-95.08	-3,522.68	872.53	3,023.56	2,929.49	94.07	32.142		
6,900.00	5,233.24	4,721.93	4,335.73	77.10	35.93	-96.28	-3,561.87	899.71	3,076.89	2,980.61	96.28	31.957		
7,000.00	5,299.20	4,794.55	4,401.01	78.52	36.57	-97.08	-3,587.88	918.01	3,130.42	3,032.56	97.86	31.988		
7,100.00	5,365.15	4,860.00	4,459.71	79.94	37.15	-97.79	-3,611.49	934.77	3,184.86	3,085.56	99.30	32.073		
7,200.00	5,431.10	4,961.06	4,550.03	81.36	38.06	-98.82	-3,648.97	960.26	3,239.69	3,138.30	101.39	31.952		
7,300.00	5,497.06	5,069.39	4,647.60	82.79	39.01	-99.91	-3,688.31	986.11	3,293.76	3,190.18	103.59	31.798		
7,400.00	5,563.01	5,116.27	4,689.91	84.21	39.41	-100.37	-3,705.07	997.39	3,348.55	3,243.89	104.66	31.995		
7,500.00	5,628.97	5,185.11	4,751.82	85.63	40.01	-101.03	-3,729.90	1,014.37	3,404.27	3,298.15	106.11	32.081		
7,600.00	5,694.92	5,257.12	4,816.65	87.06	40.65	-101.71	-3,755.86	1,031.95	3,460.24	3,352.62	107.62	32.151		
7,700.00	5,760.87	5,304.08	4,858.70	88.48	41.07	-102.13	-3,773.18	1,043.65	3,517.04	3,408.38	108.67	32.365		
7,800.00	5,826.83	5,373.93	4,920.89	89.90	41.70	-102.74	-3,799.53	1,061.44	3,574.67	3,464.53	110.14	32.455		
7,900.00	5,892.78	5,500.45	5,033.87	91.33	42.84	-103.80	-3,847.09	1,092.77	3,632.18	3,519.51	112.67	32.237		
8,000.00	5,958.74	5,586.93	5,111.68	92.75	43.59	-104.52	-3,878.77	1,113.27	3,689.15	3,574.73	114.42	32.243		
8,100.00	6,024.69	5,685.35	5,200.92	94.17	44.43	-105.34	-3,913.33	1,136.27	3,746.23	3,629.89	116.34	32.200		
8,200.00	6,090.64	5,738.51	5,249.24	95.60	44.88	-105.78	-3,931.80	1,148.53	3,803.46	3,686.01	117.45	32.384		
8,300.00	6,156.60	5,797.00	5,302.14	97.02	45.38	-106.24	-3,952.39	1,162.62	3,861.69	3,743.05	118.64	32.549		
8,400.00	6,222.55	5,847.72	5,348.00	98.45	45.81	-106.64	-3,970.11	1,175.07	3,920.56	3,800.88	119.68	32.758		
8,500.00	6,288.51	5,912.21	5,406.63	99.87	46.36	-107.15	-3,991.90	1,190.77	3,979.73	3,858.78	120.96	32.902		
8,600.00	6,354.46	5,954.70	5,445.23	101.29	46.72	-107.48	-4,006.16	1,201.37	4,039.65	3,917.84	121.82	33.161		
8,700.00	6,420.41	6,030.53	5,514.05	102.72	47.36	-108.06	-4,031.43	1,220.72	4,100.31	3,977.04	123.27	33.262		
8,800.00	6,486.37	6,263.29	5,727.05	104.14	49.27	-109.77	-4,108.25	1,274.58	4,159.28	4,031.81	127.47	32.629		
8,900.00	6,552.32	6,401.16	5,855.04	105.57	50.31	-110.79	-4,150.76	1,303.01	4,217.16	4,087.31	129.86	32.476		
9,000.00	6,618.28	6,510.46	5,958.42	106.99	51.05	-111.64	-4,179.67	1,323.45	4,274.08	4,142.45	131.63	32.471		
9,100.00	6,684.23	6,614.14	6,251.27	108.42	52.79	-114.11	-4,245.07	1,369.44	4,329.32	4,193.69	135.62	31.922		
9,200.00	6,750.18	6,998.76	6,431.44	109.84	53.70	-115.60	-4,280.25	1,388.98	4,381.64	4,243.79	137.85	31.786 SF		
9,300.00	6,816.14	7,055.99	6,487.50	111.26	53.96	-116.05	-4,290.43	1,394.37	4,434.00	4,295.27	138.72	31.963		
9,400.00	6,882.09	7,109.00	6,539.54	112.69	54.20	-116.48	-4,299.05	1,399.55	4,487.19	4,347.66	139.52	32.161		
9,500.00	6,948.05	7,152.72	6,582.54	114.11	54.39	-116.84	-4,305.64	1,403.96	4,541.19	4,401.00	140.20	32.391		
9,600.00	7,014.00	7,203.00	6,632.03	115.54	54.61	-117.25	-4,312.80	1,409.19	4,596.00	4,455.09	140.92	32.615		
9,700.00	7,079.88	7,515.26	6,941.98	116.97	55.66	-121.45	-4,342.79	1,430.23	4,648.95	4,505.43	143.52	32.392		
9,800.00	7,142.10	7,605.61	7,032.17	118.48	55.89	-130.75	-4,347.38	1,433.02	4,710.47	4,566.13	144.34	32.636		
9,900.00	7,197.32	7,670.13	7,096.62	120.08	56.04	-139.37	-4,349.85	1,434.63	4,784.67	4,639.72	144.96	33.008		
10,000.00	7,243.87	7,821.61	7,248.04	121.71	56.34	-149.77	-4,353.46	1,435.63	4,868.28	4,722.44	145.84	33.381		
10,100.00	7,280.34	7,867.77	7,294.20	123.32	56.42	-162.89	-4,354.10	1,435.41	4,959.66	4,813.49	146.17	33.930		
10,200.00	7,305.62	7,883.99	7,310.42	124.84	56.45	170.50	-4,354.35	1,435.35	5,056.05	4,909.76	146.29	34.562		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,318.93	7,894.51	7,320.94	126.22	56.47	116.27	-4,354.52	1,435.32	5,154.50	5,008.21	146.28	35.237		
10,400.00	7,321.00	7,896.27	7,322.70	127.44	56.48	91.51	-4,354.55	1,435.32	5,252.32	5,106.17	146.16	35.936		
10,500.00	7,321.00	7,896.44	7,322.86	128.66	56.48	91.52	-4,354.55	1,435.32	5,349.89	5,203.88	146.02	36.639		
10,600.00	7,321.00	7,896.60	7,323.03	129.91	56.48	91.53	-4,354.56	1,435.32	5,447.55	5,301.67	145.88	37.342		
10,700.00	7,321.00	7,896.76	7,323.19	131.19	56.48	91.54	-4,354.56	1,435.32	5,545.29	5,399.54	145.75	38.046		
10,800.00	7,321.00	7,896.92	7,323.34	132.51	56.48	91.55	-4,354.56	1,435.32	5,643.11	5,497.49	145.63	38.751		
10,900.00	7,321.00	7,897.07	7,323.50	133.87	56.48	91.55	-4,354.56	1,435.32	5,741.01	5,595.50	145.50	39.456		
11,000.00	7,321.00	7,897.23	7,323.65	135.26	56.48	91.56	-4,354.57	1,435.32	5,838.98	5,693.59	145.39	40.162		
11,100.00	7,321.00	7,897.38	7,323.80	136.68	56.48	91.57	-4,354.57	1,435.32	5,937.01	5,791.74	145.27	40.868		
11,200.00	7,321.00	7,897.53	7,323.96	138.14	56.48	91.58	-4,354.57	1,435.32	6,035.11	5,889.94	145.17	41.574		
11,300.00	7,321.00	7,897.68	7,324.10	139.63	56.48	91.58	-4,354.57	1,435.32	6,133.27	5,988.21	145.06	42.281		
11,400.00	7,321.00	7,897.82	7,324.25	141.15	56.48	91.59	-4,354.58	1,435.32	6,231.49	6,086.53	144.96	42.988		
11,500.00	7,321.00	7,897.97	7,324.39	142.70	56.48	91.60	-4,354.58	1,435.32	6,329.76	6,184.90	144.86	43.695		
11,600.00	7,321.00	7,898.11	7,324.54	144.29	56.48	91.61	-4,354.58	1,435.31	6,428.09	6,283.32	144.77	44.403		
11,700.00	7,321.00	7,898.25	7,324.68	145.91	56.48	91.61	-4,354.58	1,435.31	6,526.47	6,381.79	144.68	45.110		
11,800.00	7,321.00	7,898.39	7,324.82	147.55	56.48	91.62	-4,354.59	1,435.31	6,624.90	6,480.31	144.59	45.818		
11,900.00	7,321.00	7,898.53	7,324.96	149.23	56.48	91.63	-4,354.59	1,435.31	6,723.37	6,578.87	144.51	46.527		
12,000.00	7,321.00	7,898.67	7,325.09	150.93	56.48	91.63	-4,354.59	1,435.31	6,821.89	6,677.47	144.42	47.235		
12,100.00	7,321.00	7,898.80	7,325.23	152.67	56.48	91.64	-4,354.59	1,435.31	6,920.45	6,776.11	144.35	47.944		
12,200.00	7,321.00	7,898.93	7,325.36	154.43	56.48	91.65	-4,354.60	1,435.31	7,019.05	6,874.78	144.27	48.652		
12,300.00	7,321.00	7,899.06	7,325.49	156.22	56.48	91.65	-4,354.60	1,435.31	7,117.69	6,973.50	144.20	49.361		
12,400.00	7,321.00	7,899.19	7,325.62	158.04	56.48	91.66	-4,354.60	1,435.31	7,216.37	7,072.24	144.13	50.070		
12,500.00	7,321.00	7,899.32	7,325.75	159.88	56.48	91.66	-4,354.60	1,435.31	7,315.08	7,171.03	144.06	50.779		
12,600.00	7,321.00	7,899.45	7,325.88	161.75	56.48	91.67	-4,354.60	1,435.31	7,413.83	7,269.84	143.99	51.488		
12,700.00	7,321.00	7,899.58	7,326.00	163.64	56.48	91.68	-4,354.61	1,435.31	7,512.61	7,368.69	143.93	52.197		
12,800.00	7,321.00	7,899.70	7,326.13	165.56	56.48	91.68	-4,354.61	1,435.31	7,611.43	7,467.56	143.87	52.906		
12,900.00	7,321.00	7,899.82	7,326.25	167.49	56.48	91.69	-4,354.61	1,435.31	7,710.27	7,566.46	143.81	53.615		
13,000.00	7,321.00	7,899.94	7,326.37	169.46	56.48	91.70	-4,354.61	1,435.31	7,809.14	7,665.39	143.75	54.324		
13,100.00	7,321.00	7,900.06	7,326.49	171.44	56.48	91.70	-4,354.61	1,435.31	7,908.05	7,764.35	143.70	55.033		
13,200.00	7,321.00	7,900.18	7,326.61	173.45	56.48	91.71	-4,354.62	1,435.31	8,006.97	7,863.33	143.64	55.742		
13,300.00	7,321.00	7,900.30	7,326.73	175.47	56.48	91.71	-4,354.62	1,435.31	8,105.93	7,962.34	143.59	56.450		
13,400.00	7,321.00	7,900.42	7,326.84	177.52	56.48	91.72	-4,354.62	1,435.31	8,204.91	8,061.37	143.54	57.159		
13,500.00	7,321.00	7,900.53	7,326.96	179.58	56.48	91.72	-4,354.62	1,435.31	8,303.91	8,160.42	143.50	57.868		
13,600.00	7,321.00	7,900.64	7,327.07	181.67	56.48	91.73	-4,354.62	1,435.31	8,402.94	8,259.49	143.45	58.577		
13,700.00	7,321.00	7,900.76	7,327.18	183.77	56.48	91.74	-4,354.63	1,435.31	8,501.99	8,358.59	143.41	59.285		
13,800.00	7,321.00	7,900.87	7,327.29	185.89	56.48	91.74	-4,354.63	1,435.31	8,601.07	8,457.70	143.37	59.993		
13,900.00	7,321.00	7,900.98	7,327.40	188.02	56.48	91.75	-4,354.63	1,435.31	8,700.16	8,556.83	143.33	60.702		
14,000.00	7,321.00	7,901.09	7,327.51	190.18	56.48	91.75	-4,354.63	1,435.31	8,799.28	8,655.99	143.29	61.410		
14,100.00	7,321.00	7,901.19	7,327.62	192.35	56.48	91.76	-4,354.63	1,435.31	8,898.41	8,755.16	143.25	62.118		
14,200.00	7,321.00	7,901.30	7,327.73	194.53	56.49	91.76	-4,354.64	1,435.31	8,997.56	8,854.35	143.22	62.825		
14,300.00	7,321.00	7,901.41	7,327.83	196.73	56.49	91.77	-4,354.64	1,435.31	9,096.74	8,953.56	143.18	63.533		
14,400.00	7,321.00	7,901.51	7,327.94	198.95	56.49	91.77	-4,354.64	1,435.31	9,195.93	9,052.78	143.15	64.240		
14,500.00	7,321.00	7,901.61	7,328.04	201.17	56.49	91.78	-4,354.64	1,435.31	9,295.14	9,152.02	143.12	64.948		
14,600.00	7,321.00	7,901.72	7,328.14	203.42	56.49	91.78	-4,354.64	1,435.31	9,394.36	9,251.27	143.09	65.654		
14,700.00	7,321.00	5,891.00	5,387.33	205.67	46.18	38.79	-3,984.80	1,185.60	9,492.59	9,369.69	122.91	77.234		
14,800.00	7,321.00	5,893.41	5,389.52	207.94	46.20	38.81	-3,985.60	1,186.18	9,589.26	9,466.27	122.99	77.971		
14,900.00	7,321.00	5,859.54	5,358.72	210.22	45.92	38.57	-3,974.17	1,177.95	9,685.95	9,563.47	122.48	79.080		
15,000.00	7,321.00	5,825.23	5,327.63	212.51	45.62	38.34	-3,962.33	1,169.56	9,782.63	9,660.66	121.97	80.203		
15,100.00	7,321.00	5,797.00	5,302.14	214.81	45.38	38.16	-3,952.39	1,162.62	9,879.29	9,757.73	121.56	81.269		
15,200.00	7,321.00	5,797.00	5,302.14	217.12	45.38	38.16	-3,952.39	1,162.62	9,975.99	9,854.38	121.61	82.035		
15,300.00	7,321.00	5,797.00	5,302.14	219.45	45.38	38.16	-3,952.39	1,162.62	10,072.75	9,951.10	121.65	82.801		

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

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	
100.00	100.00	82.63	82.63	0.27	0.12	-179.41	-2,110.21	-21.58	2,110.35	2,109.96	0.39	5,375.410	
200.00	200.00	190.43	190.42	0.63	0.48	-179.44	-2,109.38	-20.68	2,109.57	2,108.47	1.11	1,902.270	
300.00	300.00	285.36	285.34	0.99	0.82	-179.47	-2,108.65	-19.41	2,108.79	2,106.98	1.81	1,166.815	
400.00	400.00	380.38	380.33	1.34	1.16	-179.53	-2,108.06	-17.45	2,108.15	2,105.65	2.51	841.300	
500.00	499.98	461.47	461.42	1.69	1.45	-30.18	-2,108.09	-16.19	2,106.66	2,103.52	3.14	671.516	
600.00	599.84	549.31	549.24	2.03	1.76	-30.31	-2,108.75	-15.13	2,102.89	2,099.10	3.79	555.525	
700.00	699.45	664.62	664.52	2.38	2.17	-30.60	-2,109.88	-12.39	2,096.38	2,091.84	4.55	461.046	
800.00	798.70	795.98	795.84	2.75	2.64	-31.01	-2,108.46	-9.76	2,084.63	2,079.25	5.37	387.946	
900.00	897.47	888.69	888.54	3.15	2.96	-31.37	-2,107.50	-9.93	2,070.17	2,064.11	6.06	341.494	
1,000.00	995.62	998.57	998.41	3.58	3.34	-31.88	-2,106.22	-9.52	2,052.69	2,045.87	6.83	300.728	
1,100.00	1,093.06	1,098.57	1,098.35	4.04	3.70	-32.53	-2,104.50	-6.50	2,031.87	2,024.29	7.58	268.153	
1,200.00	1,189.64	1,206.97	1,206.58	4.54	4.09	-33.41	-2,102.25	-0.96	2,008.01	1,999.63	8.38	239.661	
1,300.00	1,285.27	1,297.00	1,296.36	5.08	4.42	-34.34	-2,100.19	5.40	1,981.38	1,972.24	9.14	216.850	
1,400.00	1,379.82	1,370.88	1,369.91	5.67	4.70	-35.30	-2,098.83	12.17	1,952.77	1,942.90	9.87	197.929	
1,500.00	1,473.17	1,455.32	1,453.77	6.30	5.02	-36.53	-2,097.68	22.05	1,922.41	1,911.74	10.67	180.200	
1,600.00	1,565.21	1,565.50	1,562.70	6.99	5.45	-38.28	-2,095.07	38.31	1,889.21	1,877.59	11.61	162.683	
1,700.00	1,655.84	1,690.76	1,685.57	7.73	5.98	-40.61	-2,089.25	61.81	1,852.47	1,839.78	12.69	146.026	
1,800.00	1,744.94	1,775.70	1,768.04	8.52	6.36	-42.66	-2,084.21	81.46	1,813.91	1,800.23	13.67	132.656	
1,900.00	1,832.39	1,851.24	1,840.74	9.37	6.72	-44.78	-2,079.27	101.41	1,774.26	1,759.55	14.70	120.666	
2,000.00	1,918.11	1,920.44	1,906.72	10.27	7.07	-46.97	-2,074.44	121.68	1,734.10	1,718.30	15.80	109.768	
2,100.00	2,001.97	2,009.69	1,990.97	11.22	7.56	-49.87	-2,067.42	150.28	1,693.70	1,676.60	17.10	99.024	
2,200.00	2,083.88	2,098.94	2,074.41	12.23	8.09	-53.04	-2,058.28	180.60	1,652.45	1,633.91	18.54	89.145	
2,300.00	2,163.74	2,163.63	2,134.44	13.29	8.49	-55.71	-2,050.67	203.47	1,611.55	1,591.62	19.94	80.837	
2,400.00	2,241.45	2,212.76	2,179.79	14.40	8.80	-57.99	-2,044.73	221.40	1,572.19	1,550.85	21.34	73.678	
2,500.00	2,316.92	2,263.79	2,226.73	15.57	9.14	-60.39	-2,038.51	240.43	1,534.95	1,512.09	22.86	67.160	
2,600.00	2,390.05	2,316.72	2,275.49	16.78	9.50	-62.88	-2,031.98	259.96	1,500.07	1,475.59	24.48	61.272	
2,700.00	2,460.76	2,356.45	2,312.17	18.05	9.77	-64.91	-2,027.14	274.43	1,468.16	1,442.08	26.09	56.282	
2,800.00	2,528.95	2,392.26	2,345.33	19.37	10.01	-66.77	-2,023.07	287.33	1,439.95	1,412.22	27.72	51.938	
2,900.00	2,595.08	2,429.37	2,379.78	20.72	10.26	-68.34	-2,019.14	300.55	1,416.09	1,386.68	29.42	48.138	
3,000.00	2,661.04	2,475.83	2,422.97	22.08	10.58	-70.09	-2,014.26	316.97	1,397.66	1,366.47	31.20	44.804	
3,100.00	2,726.99	2,515.00	2,459.40	23.46	10.84	-71.57	-2,010.04	330.72	1,384.86	1,351.98	32.88	42.123	
3,200.00	2,792.94	2,554.90	2,496.53	24.84	11.12	-73.08	-2,005.81	344.72	1,378.03	1,343.52	34.51	39.930	
3,259.95	2,832.49	2,575.87	2,516.04	25.87	11.26	-73.88	-2,003.69	352.10	1,376.92	1,341.49	35.43	38.868	CC
3,300.00	2,858.90	2,589.97	2,529.16	26.22	11.36	-74.41	-2,002.30	357.08	1,377.41	1,341.40	36.02	38.242	ES
3,400.00	2,924.85	2,627.83	2,564.38	27.61	11.62	-75.84	-1,998.69	370.47	1,382.96	1,345.50	37.46	36.921	
3,500.00	2,990.81	2,668.42	2,602.16	29.00	11.91	-77.37	-1,994.92	384.83	1,394.48	1,355.66	38.82	35.926	
3,600.00	3,056.76	2,709.56	2,640.46	30.40	12.19	-78.91	-1,991.19	399.38	1,411.79	1,371.72	40.06	35.238	
3,700.00	3,122.71	2,752.02	2,680.00	31.80	12.49	-80.50	-1,987.38	414.38	1,434.64	1,393.43	41.21	34.813	
3,800.00	3,188.67	2,794.66	2,719.72	33.20	12.79	-82.08	-1,983.59	429.41	1,462.75	1,420.51	42.24	34.629	
3,900.00	3,254.62	2,855.33	2,776.38	34.60	13.22	-84.30	-1,978.20	450.43	1,495.58	1,452.21	43.37	34.483	SF
4,000.00	3,320.58	2,907.88	2,825.65	36.01	13.58	-86.19	-1,973.52	468.08	1,532.56	1,488.26	44.31	34.589	
4,100.00	3,386.53	2,948.61	2,863.87	37.41	13.86	-87.64	-1,969.96	481.71	1,573.83	1,528.81	45.02	34.959	
4,200.00	3,452.48	2,990.84	2,903.48	38.82	14.15	-89.13	-1,966.36	495.90	1,619.12	1,573.45	45.67	35.453	
4,300.00	3,518.44	3,039.95	2,949.56	40.23	14.49	-90.83	-1,961.99	512.34	1,667.98	1,621.65	46.33	36.001	
4,400.00	3,584.39	3,077.00	2,984.32	41.64	14.75	-92.10	-1,958.47	524.65	1,720.08	1,673.28	46.79	36.759	
4,500.00	3,650.35	3,107.92	3,013.27	43.05	14.97	-93.15	-1,955.39	535.08	1,775.47	1,728.34	47.13	37.668	
4,600.00	3,716.30	3,131.85	3,035.57	44.46	15.14	-93.96	-1,952.90	543.39	1,834.11	1,786.77	47.35	38.736	
4,700.00	3,782.25	3,170.00	3,070.93	45.88	15.42	-95.23	-1,948.77	557.09	1,895.82	1,848.12	47.70	39.745	
4,800.00	3,848.21	3,191.76	3,091.05	47.29	15.58	-95.95	-1,946.34	565.00	1,959.96	1,912.14	47.83	40.981	
4,900.00	3,914.16	3,261.81	3,156.08	48.71	16.09	-98.21	-1,938.54	589.86	2,025.96	1,977.44	48.52	41.755	
5,000.00	3,980.12	3,299.29	3,190.96	50.12	16.37	-99.38	-1,934.46	602.94	2,093.60	2,044.79	48.81	42.894	
5,100.00	4,046.07	3,336.11	3,225.22	51.54	16.63	-100.51	-1,930.68	615.90	2,163.05	2,113.96	49.08	44.070	

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	4,112.02	3,381.15	3,267.11	52.95	16.96	-101.86	-1,926.30	631.85	2,234.10	2,184.64	49.46	45.174		
5,300.00	4,177.98	3,437.76	3,319.87	54.37	17.38	-103.51	-1,920.66	651.59	2,306.34	2,256.37	49.96	46.161		
5,400.00	4,243.93	3,478.79	3,358.16	55.79	17.67	-104.67	-1,916.39	665.71	2,379.69	2,329.42	50.28	47.331		
5,500.00	4,309.89	3,513.95	3,390.94	57.21	17.93	-105.66	-1,912.58	677.83	2,454.32	2,403.80	50.52	48.582		
5,600.00	4,375.84	3,550.74	3,425.21	58.63	18.20	-106.66	-1,908.43	690.55	2,530.14	2,479.36	50.78	49.826		
5,700.00	4,441.79	3,609.10	3,479.63	60.05	18.62	-108.22	-1,902.08	710.65	2,606.82	2,555.51	51.31	50.809		
5,800.00	4,507.75	3,689.91	3,555.25	61.47	19.20	-110.26	-1,894.26	738.05	2,684.03	2,631.92	52.11	51.506		
5,900.00	4,573.70	3,797.49	3,656.76	62.89	19.94	-112.81	-1,885.65	772.58	2,760.70	2,707.46	53.24	51.855		
6,000.00	4,639.66	3,853.46	3,709.80	64.31	20.32	-114.07	-1,881.32	789.94	2,837.81	2,784.05	53.75	52.793		
6,100.00	4,705.61	3,875.44	3,730.59	65.73	20.47	-114.55	-1,879.50	796.82	2,915.82	2,861.95	53.87	54.123		
6,200.00	4,771.56	3,920.00	3,772.59	67.15	20.77	-115.52	-1,875.51	811.18	2,995.01	2,940.75	54.26	55.197		
6,300.00	4,837.52	3,920.00	3,772.59	68.57	20.77	-115.52	-1,875.51	811.18	3,074.75	3,020.62	54.13	56.807		
6,400.00	4,903.47	3,949.27	3,800.08	69.99	20.98	-116.14	-1,872.74	820.84	3,155.46	3,101.12	54.34	58.068		
6,500.00	4,969.43	3,982.52	3,831.27	71.41	21.22	-116.83	-1,869.57	831.90	3,236.81	3,182.20	54.61	59.274		
6,600.00	5,035.38	4,014.00	3,860.78	72.83	21.44	-117.47	-1,866.54	842.46	3,318.75	3,263.89	54.86	60.497		
6,700.00	5,101.33	4,050.93	3,895.36	74.25	21.71	-118.20	-1,862.95	854.92	3,401.23	3,346.05	55.18	61.638		
6,800.00	5,167.29	4,086.00	3,928.17	75.67	21.96	-118.88	-1,859.49	866.81	3,484.20	3,428.71	55.49	62.794		
6,900.00	5,233.24	4,125.27	3,964.88	77.10	22.24	-119.63	-1,855.55	880.17	3,567.61	3,511.77	55.85	63.883		
7,000.00	5,299.20	4,171.26	4,007.90	78.52	22.58	-120.48	-1,850.84	895.73	3,651.35	3,595.06	56.29	64.865		
7,100.00	5,365.15	4,201.00	4,035.73	79.94	22.79	-121.02	-1,847.73	905.74	3,735.41	3,678.87	56.54	66.062		
7,200.00	5,431.10	4,239.33	4,071.58	81.36	23.07	-121.70	-1,843.72	918.73	3,819.84	3,762.93	56.91	67.125		
7,300.00	5,497.06	4,267.35	4,097.73	82.79	23.28	-122.18	-1,840.83	928.36	3,904.73	3,847.58	57.15	68.324		
7,400.00	5,563.01	4,295.00	4,123.49	84.21	23.48	-122.65	-1,838.00	937.99	3,990.02	3,932.63	57.39	69.520		
7,500.00	5,628.97	4,323.37	4,149.89	85.63	23.69	-123.11	-1,835.12	947.99	4,075.70	4,018.04	57.65	70.692		
7,600.00	5,694.92	4,351.36	4,175.89	87.06	23.91	-123.57	-1,832.29	957.95	4,161.74	4,103.82	57.92	71.859		
7,700.00	5,760.87	4,388.00	4,209.87	88.48	24.18	-124.14	-1,828.59	971.14	4,248.13	4,189.84	58.29	72.878		
7,800.00	5,826.83	4,414.42	4,234.34	89.90	24.39	-124.55	-1,825.94	980.73	4,334.80	4,276.26	58.54	74.043		
7,900.00	5,892.78	4,453.52	4,270.56	91.33	24.68	-125.14	-1,822.05	994.95	4,421.69	4,362.73	58.96	74.991		
8,000.00	5,958.74	4,494.60	4,308.60	92.75	25.00	-125.74	-1,818.00	1,009.92	4,508.77	4,449.36	59.41	75.889		
8,100.00	6,024.69	4,541.07	4,351.65	94.17	25.36	-126.40	-1,813.40	1,026.81	4,595.98	4,536.05	59.93	76.684		
8,200.00	6,090.64	4,576.00	4,384.02	95.60	25.62	-126.88	-1,809.91	1,039.44	4,683.31	4,623.00	60.31	77.652		
8,300.00	6,156.60	4,601.65	4,407.78	97.02	25.82	-127.23	-1,807.28	1,048.73	4,770.88	4,710.31	60.57	78.760		
8,400.00	6,222.55	4,621.68	4,426.31	98.45	25.98	-127.50	-1,805.13	1,056.03	4,858.78	4,798.01	60.77	79.955		
8,500.00	6,288.51	4,641.29	4,444.43	99.87	26.13	-127.76	-1,802.95	1,063.23	4,946.97	4,886.01	60.96	81.150		
8,600.00	6,354.46	4,670.00	4,470.90	101.29	26.35	-128.14	-1,799.61	1,073.82	5,035.47	4,974.20	61.27	82.184		
8,700.00	6,420.41	4,713.22	4,455.74	102.72	26.11	-146.14	-1,686.14	1,437.63	5,112.36	5,032.68	79.68	64.161		
8,800.00	6,486.37	6,791.54	6,534.05	104.14	36.27	-146.64	-1,686.66	1,436.65	5,180.08	5,099.79	80.28	64.521		
8,900.00	6,552.32	6,870.74	6,613.24	105.57	36.42	-147.13	-1,687.17	1,435.48	5,247.87	5,166.97	80.89	64.874		
9,000.00	6,618.28	6,918.00	6,660.50	106.99	36.52	-147.41	-1,687.56	1,434.71	5,315.72	5,234.39	81.34	65.354		
9,100.00	6,684.23	6,960.88	6,703.37	108.42	36.61	-147.67	-1,687.79	1,434.14	5,384.03	5,302.27	81.76	65.850		
9,200.00	6,750.18	7,012.00	6,754.49	109.84	36.72	-147.97	-1,687.66	1,433.85	5,453.10	5,370.87	82.23	66.319		
9,300.00	6,816.14	7,050.68	6,793.17	111.26	36.80	-148.20	-1,687.48	1,433.77	5,522.52	5,439.90	82.62	66.842		
9,400.00	6,882.09	7,197.78	6,940.27	112.69	37.12	-149.02	-1,688.14	1,432.67	5,591.57	5,507.95	83.62	66.872		
9,500.00	6,948.05	7,303.53	7,046.00	114.11	37.33	-149.59	-1,689.32	1,430.99	5,660.03	5,575.65	84.38	67.080		
9,600.00	7,014.00	7,363.94	7,106.38	115.54	37.46	-149.90	-1,690.16	1,429.97	5,728.48	5,643.59	84.90	67.476		
9,700.00	7,079.88	7,424.69	7,167.12	116.97	37.58	-152.67	-1,691.10	1,429.11	5,797.30	5,711.88	85.42	67.868		
9,800.00	7,142.10	7,480.00	7,222.42	118.48	37.70	-167.89	-1,692.07	1,428.50	5,872.18	5,786.27	85.91	68.352		
9,900.00	7,197.32	7,535.34	7,277.75	120.08	37.82	-174.86	-1,693.19	1,428.07	5,954.29	5,867.92	86.37	68.940		
10,000.00	7,243.87	7,574.00	7,316.40	121.71	37.90	-154.70	-1,694.08	1,427.88	6,041.09	5,954.43	86.66	69.709		
10,100.00	7,280.34	7,612.09	7,354.47	123.32	37.98	-132.88	-1,694.96	1,427.73	6,130.00	6,043.13	86.87	70.563		
10,200.00	7,305.62	7,634.78	7,377.16	124.84	38.03	-112.96	-1,695.44	1,427.63	6,218.49	6,131.58	86.91	71.548		
10,300.00	7,318.93	7,646.94	7,389.32	126.22	38.06	-97.86	-1,695.68	1,427.58	6,304.05	6,217.22	86.83	72.602		

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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 96-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	7,321.00	7,649.18	7,391.56	127.44	38.06	91.49	-1,695.73	1,427.57	6,385.00	6,298.34	86.66	73.677		
10,500.00	7,321.00	7,649.60	7,391.97	128.66	38.06	91.50	-1,695.74	1,427.56	6,465.39	6,378.89	86.50	74.744		
10,600.00	7,321.00	7,650.01	7,392.39	129.91	38.07	91.51	-1,695.74	1,427.56	6,546.32	6,459.97	86.36	75.805		
10,700.00	7,321.00	7,650.43	7,392.81	131.19	38.07	91.51	-1,695.75	1,427.56	6,627.78	6,541.54	86.23	76.860		
10,800.00	7,321.00	7,650.85	7,393.23	132.51	38.07	91.52	-1,695.76	1,427.56	6,709.73	6,623.61	86.12	77.908		
10,900.00	7,321.00	7,651.27	7,393.65	133.87	38.07	91.52	-1,695.77	1,427.56	6,792.17	6,706.14	86.03	78.951		
11,000.00	7,321.00	7,651.69	7,394.07	135.26	38.07	91.53	-1,695.78	1,427.55	6,875.07	6,789.12	85.95	79.987		
11,100.00	7,321.00	7,652.12	7,394.49	136.68	38.07	91.54	-1,695.79	1,427.55	6,958.42	6,872.53	85.89	81.017		
11,200.00	7,321.00	7,652.54	7,394.92	138.14	38.07	91.54	-1,695.79	1,427.55	7,042.21	6,956.37	85.84	82.041		
11,300.00	7,321.00	7,652.96	7,395.34	139.63	38.07	91.55	-1,695.80	1,427.55	7,126.41	7,040.61	85.80	83.059		
11,400.00	7,321.00	7,653.39	7,395.77	141.15	38.07	91.56	-1,695.81	1,427.55	7,211.02	7,125.25	85.77	84.071		
11,500.00	7,321.00	7,653.82	7,396.19	142.70	38.07	91.56	-1,695.82	1,427.54	7,296.02	7,210.26	85.76	85.078		
11,600.00	7,321.00	7,654.24	7,396.62	144.29	38.07	91.57	-1,695.83	1,427.54	7,381.39	7,295.64	85.75	86.079		
11,700.00	7,321.00	7,654.67	7,397.05	145.91	38.08	91.58	-1,695.84	1,427.54	7,467.13	7,381.37	85.76	87.075		
11,800.00	7,321.00	7,655.10	7,397.48	147.55	38.08	91.58	-1,695.84	1,427.54	7,553.21	7,467.44	85.77	88.065		
11,900.00	7,321.00	7,655.54	7,397.91	149.23	38.08	91.59	-1,695.85	1,427.54	7,639.64	7,553.85	85.79	89.051		
12,000.00	7,321.00	7,655.97	7,398.35	150.93	38.08	91.59	-1,695.86	1,427.53	7,726.39	7,640.57	85.82	90.031		
12,100.00	7,321.00	7,656.40	7,398.78	152.67	38.08	91.60	-1,695.87	1,427.53	7,813.46	7,727.61	85.86	91.007		
12,200.00	7,321.00	7,656.84	7,399.22	154.43	38.08	91.61	-1,695.88	1,427.53	7,900.84	7,814.94	85.90	91.978		
12,300.00	7,321.00	7,657.27	7,399.65	156.22	38.08	91.61	-1,695.89	1,427.53	7,988.51	7,902.56	85.95	92.945		
12,400.00	7,321.00	7,657.71	7,400.09	158.04	38.08	91.62	-1,695.89	1,427.52	8,076.47	7,990.46	86.00	93.907		
12,500.00	7,321.00	7,658.15	7,400.53	159.88	38.08	91.63	-1,695.90	1,427.52	8,164.70	8,078.64	86.07	94.865		
12,600.00	7,321.00	7,658.59	7,400.97	161.75	38.08	91.63	-1,695.91	1,427.52	8,253.21	8,167.08	86.13	95.819		
12,700.00	7,321.00	7,659.03	7,401.41	163.64	38.08	91.64	-1,695.92	1,427.52	8,341.97	8,255.77	86.20	96.769		
12,800.00	7,321.00	7,659.47	7,401.85	165.56	38.09	91.65	-1,695.93	1,427.52	8,430.99	8,344.71	86.28	97.716		
12,900.00	7,321.00	7,659.92	7,402.29	167.49	38.09	91.65	-1,695.94	1,427.51	8,520.25	8,433.89	86.36	98.659		
13,000.00	7,321.00	7,660.36	7,402.74	169.46	38.09	91.66	-1,695.94	1,427.51	8,609.74	8,523.30	86.45	99.598		
13,100.00	7,321.00	7,660.81	7,403.18	171.44	38.09	91.67	-1,695.95	1,427.51	8,699.46	8,612.93	86.53	100.534		
13,200.00	7,321.00	7,661.25	7,403.63	173.45	38.09	91.67	-1,695.96	1,427.51	8,789.41	8,702.79	86.62	101.466		
13,300.00	7,321.00	7,661.70	7,404.08	175.47	38.09	91.68	-1,695.97	1,427.50	8,879.57	8,792.85	86.72	102.396		
13,400.00	7,321.00	7,662.15	7,404.53	177.52	38.09	91.69	-1,695.98	1,427.50	8,969.94	8,883.12	86.82	103.322		
13,500.00	7,321.00	7,662.60	7,404.98	179.58	38.09	91.69	-1,695.99	1,427.50	9,060.51	8,973.60	86.92	104.245		
13,600.00	7,321.00	7,663.05	7,405.43	181.67	38.09	91.70	-1,696.00	1,427.50	9,151.28	9,064.26	87.02	105.166		
13,700.00	7,321.00	7,663.51	7,405.88	183.77	38.09	91.71	-1,696.00	1,427.50	9,242.24	9,155.12	87.12	106.083		
13,800.00	7,321.00	7,668.00	7,410.38	185.89	38.10	91.78	-1,696.09	1,427.47	9,333.38	9,246.13	87.25	106.968		
13,900.00	7,321.00	7,668.00	7,410.38	188.02	38.10	91.78	-1,696.09	1,427.47	9,424.71	9,337.35	87.36	107.884		
14,000.00	7,321.00	7,668.00	7,410.38	190.18	38.10	91.78	-1,696.09	1,427.47	9,516.20	9,428.74	87.47	108.797		
14,100.00	7,321.00	7,668.00	7,410.38	192.35	38.10	91.78	-1,696.09	1,427.47	9,607.87	9,520.29	87.58	109.708		
14,200.00	7,321.00	7,668.00	7,410.38	194.53	38.10	91.78	-1,696.09	1,427.47	9,699.70	9,612.01	87.69	110.617		
14,300.00	7,321.00	7,668.00	7,410.38	196.73	38.10	91.78	-1,696.09	1,427.47	9,791.69	9,703.89	87.80	111.523		
14,400.00	7,321.00	7,668.00	7,410.38	198.95	38.10	91.78	-1,696.09	1,427.47	9,883.84	9,795.93	87.91	112.428		
14,500.00	7,321.00	7,668.00	7,410.38	201.17	38.10	91.78	-1,696.09	1,427.47	9,976.14	9,888.11	88.03	113.330		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	123.84	123.81	0.27	0.26	-178.96	-2,108.66	-38.17	2,109.66	2,109.14	0.52	4,019.874		
200.00	200.00	263.35	263.23	0.63	0.75	-178.90	-2,103.99	-40.30	2,106.40	2,105.01	1.39	1,520.540		
300.00	300.00	429.77	429.33	0.99	1.36	-178.97	-2,094.32	-37.79	2,100.64	2,098.29	2.34	896.600		
400.00	400.00	601.09	599.64	1.34	2.01	-179.21	-2,078.37	-28.69	2,091.11	2,087.78	3.33	628.625		
500.00	499.98	785.93	782.21	1.69	2.78	-30.42	-2,054.44	-12.85	2,076.43	2,072.06	4.38	474.518		
600.00	599.84	1,004.76	995.14	2.03	3.83	-31.76	-2,016.17	19.60	2,054.58	2,048.96	5.62	365.261		
700.00	699.45	1,164.87	1,148.95	2.38	4.69	-33.08	-1,980.00	45.38	2,024.57	2,017.89	6.68	303.269		
800.00	798.70	1,269.90	1,249.67	2.75	5.28	-34.20	-1,954.75	61.15	1,990.94	1,983.44	7.50	265.536		
900.00	897.47	1,365.52	1,341.14	3.15	5.83	-35.42	-1,931.23	76.09	1,954.33	1,946.03	8.30	235.538		
1,000.00	995.62	1,438.07	1,410.57	3.58	6.24	-36.57	-1,913.50	87.40	1,915.59	1,906.57	9.02	212.444		
1,100.00	1,093.06	1,508.95	1,478.48	4.04	6.65	-37.84	-1,896.94	99.16	1,875.60	1,865.85	9.75	192.286		
1,200.00	1,189.64	1,592.05	1,558.06	4.54	7.14	-39.40	-1,877.77	113.47	1,833.91	1,823.33	10.58	173.408		
1,300.00	1,285.27	1,672.00	1,634.74	5.08	7.60	-41.08	-1,859.50	126.85	1,790.51	1,779.10	11.41	156.879		
1,400.00	1,379.82	1,732.72	1,693.10	5.67	7.95	-42.63	-1,846.04	136.85	1,746.01	1,733.81	12.20	143.089		
1,500.00	1,473.17	1,806.76	1,764.34	6.30	8.37	-44.55	-1,830.31	149.48	1,700.82	1,687.73	13.10	129.870		
1,600.00	1,565.21	1,888.54	1,842.89	6.99	8.84	-46.81	-1,812.67	163.85	1,654.20	1,640.12	14.08	117.495		
1,700.00	1,655.84	1,960.31	1,911.94	7.73	9.25	-49.07	-1,797.32	175.97	1,606.68	1,591.60	15.08	106.572		
1,800.00	1,744.94	2,025.67	1,974.92	8.52	9.62	-51.36	-1,783.63	186.84	1,558.77	1,542.66	16.11	96.756		
1,900.00	1,832.39	2,114.16	2,060.11	9.37	10.13	-54.45	-1,764.96	201.79	1,510.49	1,493.16	17.33	87.169		
2,000.00	1,918.11	2,190.75	2,133.64	10.27	10.57	-57.49	-1,747.88	214.72	1,461.38	1,442.80	18.58	78.633		
2,100.00	2,001.97	2,254.71	2,195.17	11.22	10.94	-60.36	-1,733.67	224.91	1,412.69	1,392.81	19.88	71.054		
2,200.00	2,083.88	2,310.39	2,248.86	12.23	11.25	-63.11	-1,721.66	233.50	1,365.24	1,343.99	21.24	64.264		
2,300.00	2,163.74	2,366.88	2,303.41	13.29	11.57	-66.00	-1,709.78	242.16	1,319.56	1,296.84	22.72	58.073		
2,400.00	2,241.45	2,421.43	2,356.03	14.40	11.88	-68.92	-1,698.35	250.88	1,276.14	1,251.83	24.31	52.493		
2,500.00	2,316.92	2,477.39	2,409.96	15.57	12.20	-71.98	-1,686.60	260.02	1,235.56	1,209.54	26.03	47.475		
2,600.00	2,390.05	2,530.65	2,461.29	16.78	12.50	-74.97	-1,675.37	268.77	1,198.49	1,170.65	27.84	43.054		
2,700.00	2,460.76	2,581.28	2,510.02	18.05	12.79	-77.87	-1,664.54	277.19	1,165.67	1,135.94	29.73	39.210		
2,800.00	2,528.95	2,625.59	2,552.62	19.37	13.05	-80.45	-1,654.94	284.69	1,137.99	1,106.34	31.65	35.955		
2,900.00	2,595.08	2,664.28	2,589.81	20.72	13.27	-82.43	-1,646.60	291.37	1,116.51	1,082.96	33.55	33.276		
3,000.00	2,661.04	2,702.83	2,626.86	22.08	13.50	-84.25	-1,638.36	298.16	1,102.18	1,066.79	35.39	31.142		
3,100.00	2,726.99	2,743.89	2,666.18	23.46	13.75	-86.20	-1,629.29	305.73	1,095.26	1,058.11	37.15	29.486		
3,140.80	2,753.90	2,759.64	2,681.19	24.02	13.84	-86.95	-1,625.65	308.77	1,094.61	1,056.80	37.81	28.950 CC, ES		
3,200.00	2,792.94	2,781.52	2,702.00	24.84	13.90	-88.00	-1,620.43	313.11	1,095.97	1,057.26	38.72	28.308		
3,300.00	2,858.90	2,820.45	2,738.87	26.22	14.22	-89.88	-1,610.82	321.07	1,104.44	1,064.34	40.11	27.537		
3,400.00	2,924.85	2,861.99	2,778.22	27.61	14.49	-91.88	-1,600.50	329.50	1,120.39	1,079.08	41.31	27.119		
3,500.00	2,990.81	2,905.66	2,819.62	29.00	14.76	-93.96	-1,589.67	338.22	1,143.46	1,101.14	42.32	27.017 SF		
3,600.00	3,056.76	2,954.86	2,866.42	30.40	15.07	-96.28	-1,577.80	347.64	1,173.06	1,129.88	43.18	27.169		
3,700.00	3,122.71	2,999.73	2,909.27	31.80	15.35	-98.36	-1,567.33	355.84	1,208.58	1,164.76	43.82	27.583		
3,800.00	3,188.67	3,036.58	2,944.49	33.20	15.57	-100.04	-1,558.87	362.61	1,249.81	1,205.58	44.23	28.255		
3,900.00	3,254.62	3,077.00	2,983.13	34.60	15.81	-101.86	-1,549.71	370.18	1,296.30	1,251.74	44.55	29.096		
4,000.00	3,320.58	3,113.12	3,017.67	36.01	16.03	-103.45	-1,541.65	377.03	1,347.43	1,302.70	44.73	30.121		
4,100.00	3,386.53	3,153.61	3,056.42	37.41	16.27	-105.21	-1,532.82	384.76	1,402.65	1,357.77	44.88	31.255		
4,200.00	3,452.48	3,198.10	3,099.04	38.82	16.54	-107.09	-1,523.30	393.28	1,461.43	1,416.43	45.01	32.472		
4,300.00	3,518.44	3,245.56	3,144.53	40.23	16.82	-109.04	-1,513.19	402.23	1,523.23	1,478.10	45.12	33.758		
4,400.00	3,584.39	3,291.84	3,188.93	41.64	17.10	-110.90	-1,503.37	410.83	1,587.66	1,542.45	45.20	35.124		
4,500.00	3,650.35	3,337.74	3,233.02	43.05	17.36	-112.68	-1,493.78	419.30	1,654.44	1,609.18	45.27	36.548		
4,600.00	3,716.30	3,392.08	3,285.26	44.46	17.68	-114.73	-1,482.56	429.18	1,723.24	1,677.84	45.40	37.953		
4,700.00	3,782.25	3,453.57	3,344.45	45.88	18.04	-116.96	-1,469.64	439.69	1,793.54	1,747.95	45.60	39.335		
4,800.00	3,848.21	3,511.98	3,429.88	47.29	18.53	-120.01	-1,451.48	453.38	1,864.81	1,818.79	46.01	40.529		
4,900.00	3,914.16	3,572.61	3,459.55	48.71	18.70	-121.02	-1,445.33	457.89	1,937.19	1,891.23	45.96	42.152		
5,000.00	3,980.12	3,600.26	3,486.27	50.12	18.86	-121.91	-1,439.65	462.17	2,011.31	1,965.43	45.88	43.837		
5,100.00	4,046.07	3,639.00	3,523.60	51.54	19.07	-123.14	-1,431.48	468.49	2,087.07	2,041.16	45.91	45.460		

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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 20-36 - Wellbore #1 - Wellbore #1													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	4,112.02	3,679.34	3,562.46	52.95	19.30	-124.38	-1,422.92	475.14	2,164.02	2,118.05	45.96	47.080		
5,300.00	4,177.98	3,749.05	3,629.79	54.37	19.70	-126.42	-1,408.54	486.05	2,241.48	2,195.19	46.29	48.424		
5,400.00	4,243.93	3,803.10	3,682.10	55.79	19.99	-127.93	-1,397.71	494.28	2,319.52	2,273.03	46.49	49.891		
5,500.00	4,309.89	3,847.40	3,725.02	57.21	20.24	-129.11	-1,388.98	500.96	2,398.22	2,351.59	46.63	51.434		
5,600.00	4,375.84	3,883.50	3,759.94	58.63	20.44	-130.05	-1,381.67	506.41	2,477.76	2,431.06	46.70	53.055		
5,700.00	4,441.79	3,920.00	3,795.21	60.05	20.64	-130.98	-1,374.04	511.93	2,558.11	2,511.33	46.79	54.674		
5,800.00	4,507.75	3,950.99	3,825.11	61.47	20.82	-131.75	-1,367.44	516.67	2,639.25	2,592.41	46.84	56.347		
5,900.00	4,573.70	3,982.57	3,855.56	62.89	21.00	-132.51	-1,360.64	521.63	2,721.12	2,674.21	46.91	58.011		
6,000.00	4,639.66	4,014.00	3,885.82	64.31	21.18	-133.25	-1,353.81	526.69	2,803.68	2,756.70	46.98	59.672		
6,100.00	4,705.61	4,047.39	3,917.93	65.73	21.37	-134.02	-1,346.49	532.16	2,886.87	2,839.78	47.09	61.303		
6,200.00	4,771.56	4,080.74	3,949.97	67.15	21.57	-134.77	-1,339.11	537.70	2,970.60	2,923.40	47.21	62.924		
6,300.00	4,837.52	4,122.07	3,989.66	68.57	21.81	-135.66	-1,329.88	544.66	3,054.85	3,007.44	47.41	64.435		
6,400.00	4,903.47	4,198.04	4,062.72	69.99	22.25	-137.24	-1,313.15	557.04	3,139.17	3,091.24	47.94	65.487		
6,500.00	4,969.43	4,236.80	4,100.04	71.41	22.47	-138.00	-1,304.72	563.21	3,223.62	3,175.48	48.13	66.972		
6,600.00	5,035.38	4,273.83	4,135.70	72.83	22.69	-138.71	-1,296.68	569.21	3,308.44	3,260.11	48.33	68.461		
6,700.00	5,101.33	4,312.15	4,172.56	74.25	22.91	-139.42	-1,288.39	575.52	3,393.61	3,345.08	48.54	69.914		
6,800.00	5,167.29	4,352.58	4,211.47	75.67	23.14	-140.14	-1,279.83	582.39	3,479.09	3,430.30	48.79	71.314		
6,900.00	5,233.24	4,389.00	4,246.54	77.10	23.35	-140.75	-1,272.31	588.78	3,564.82	3,515.82	49.01	72.743		
7,000.00	5,299.20	4,425.62	4,281.78	78.52	23.57	-141.36	-1,264.77	595.31	3,650.85	3,601.61	49.24	74.148		
7,100.00	5,365.15	4,458.28	4,313.17	79.94	23.76	-141.88	-1,257.94	601.16	3,737.19	3,687.76	49.44	75.595		
7,200.00	5,431.10	4,494.87	4,348.32	81.36	23.97	-142.46	-1,250.18	607.74	3,823.83	3,774.15	49.68	76.969		
7,300.00	5,497.06	4,543.68	4,395.21	82.79	24.26	-143.19	-1,239.87	616.54	3,910.63	3,860.58	50.05	78.137		
7,400.00	5,563.01	4,576.00	4,426.27	84.21	24.45	-143.67	-1,233.11	622.37	3,997.54	3,947.28	50.27	79.528		
7,500.00	5,628.97	4,610.89	4,459.79	85.63	24.65	-144.16	-1,225.83	628.78	4,084.70	4,034.18	50.52	80.860		
7,600.00	5,694.92	4,636.47	4,484.32	87.06	24.81	-144.51	-1,220.48	633.63	4,172.18	4,121.50	50.68	82.321		
7,700.00	5,760.87	4,670.00	4,516.45	88.48	25.00	-144.96	-1,213.45	640.18	4,259.98	4,209.05	50.93	83.638		
7,800.00	5,826.83	4,739.83	4,583.48	89.90	25.42	-145.86	-1,199.23	653.59	4,347.53	4,295.98	51.55	84.341		
7,900.00	5,892.78	4,802.86	4,644.07	91.33	25.79	-146.63	-1,186.55	665.46	4,435.04	4,382.94	52.10	85.129		
8,000.00	5,958.74	4,830.27	4,670.41	92.75	25.95	-146.95	-1,180.96	670.61	4,522.76	4,470.46	52.31	86.469		
8,100.00	6,024.69	6,213.01	6,031.08	94.17	31.56	-157.92	-1,029.05	786.17	4,605.14	4,541.60	63.55	72.470		
8,200.00	6,090.64	6,284.97	6,103.04	95.60	31.72	-158.29	-1,029.09	785.26	4,677.19	4,613.07	64.12	72.947		
8,300.00	6,156.60	6,351.18	6,169.24	97.02	31.87	-158.62	-1,029.09	784.53	4,749.30	4,684.64	64.66	73.455		
8,400.00	6,222.55	6,414.28	6,232.34	98.45	32.02	-158.92	-1,029.23	783.92	4,821.51	4,756.33	65.18	73.975		
8,500.00	6,288.51	6,478.92	6,296.97	99.87	32.16	-159.22	-1,029.38	783.36	4,893.84	4,828.13	65.71	74.472		
8,600.00	6,354.46	6,546.00	6,364.06	101.29	32.32	-159.52	-1,029.56	782.80	4,966.24	4,899.98	66.27	74.942		
8,700.00	6,420.41	6,612.45	6,430.50	102.72	32.47	-159.82	-1,029.74	782.25	5,038.71	4,971.89	66.82	75.405		
8,800.00	6,486.37	6,694.84	6,512.89	104.14	32.66	-160.17	-1,030.01	781.49	5,111.18	5,043.69	67.49	75.737		
8,900.00	6,552.32	6,774.61	6,592.64	105.57	32.85	-160.50	-1,030.42	780.47	5,183.45	5,115.31	68.13	76.077		
9,000.00	6,618.28	6,847.82	6,665.85	106.99	33.01	-160.80	-1,030.81	779.41	5,255.69	5,186.95	68.74	76.457		
9,100.00	6,684.23	6,924.23	6,742.25	108.42	33.19	-161.10	-1,031.31	778.22	5,327.89	5,258.52	69.37	76.802		
9,200.00	6,750.18	6,990.19	6,808.20	109.84	33.34	-161.35	-1,031.78	777.17	5,400.09	5,330.16	69.94	77.215		
9,300.00	6,816.14	7,066.07	6,884.07	111.26	33.52	-161.63	-1,032.39	775.97	5,472.32	5,401.75	70.57	77.545		
9,400.00	6,882.09	7,139.93	6,957.92	112.69	33.69	-161.90	-1,033.20	774.84	5,544.46	5,473.27	71.19	77.879		
9,500.00	6,948.05	7,206.31	7,024.28	114.11	33.85	-162.13	-1,033.97	773.82	5,616.63	5,544.86	71.77	78.260		
9,600.00	7,014.00	7,266.57	7,084.53	115.54	33.99	-162.34	-1,034.62	772.91	5,688.90	5,616.60	72.30	78.680		
9,700.00	7,079.88	7,319.83	7,137.78	116.97	34.12	-165.38	-1,035.13	772.16	5,761.43	5,688.64	72.79	79.147		
9,800.00	7,142.10	7,364.93	7,182.88	118.48	34.23	177.18	-1,035.50	771.66	5,838.53	5,765.29	73.24	79.719		
9,900.00	7,197.32	7,407.55	7,225.50	120.08	34.33	158.30	-1,035.80	771.32	5,920.56	5,846.91	73.65	80.383		
10,000.00	7,243.87	7,446.26	7,264.20	121.71	34.43	138.81	-1,036.03	771.06	6,005.00	5,930.99	74.01	81.140		
10,100.00	7,280.34	7,480.00	7,297.94	123.32	34.51	120.78	-1,036.21	770.87	6,089.42	6,015.13	74.29	81.973		
10,200.00	7,305.62	7,508.03	7,325.98	124.84	34.58	106.12	-1,036.35	770.72	6,171.43	6,096.94	74.49	82.850		
10,300.00	7,318.93	7,526.20	7,344.14	126.22	34.62	95.34	-1,036.45	770.60	6,248.81	6,174.20	74.61	83.753		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,321.00	7,529.76	7,347.70	127.44	34.63	90.71	-1,036.47	770.58	6,320.32	6,245.68	74.64	84.675	
10,500.00	7,321.00	7,530.63	7,348.57	128.66	34.63	90.72	-1,036.47	770.57	6,391.25	6,316.56	74.69	85.573	
10,600.00	7,321.00	7,531.49	7,349.44	129.91	34.64	90.73	-1,036.48	770.57	6,462.96	6,388.20	74.76	86.449	
10,700.00	7,321.00	7,532.37	7,350.31	131.19	34.64	90.75	-1,036.48	770.56	6,535.40	6,460.55	74.86	87.306	
10,800.00	7,321.00	7,533.25	7,351.20	132.51	34.64	90.76	-1,036.49	770.56	6,608.57	6,533.60	74.98	88.143	
10,900.00	7,321.00	7,534.14	7,352.08	133.87	34.64	90.77	-1,036.50	770.55	6,682.43	6,607.32	75.11	88.963	
11,000.00	7,321.00	7,535.04	7,352.98	135.26	34.64	90.78	-1,036.50	770.55	6,756.97	6,681.69	75.27	89.766	
11,100.00	7,321.00	7,535.94	7,353.88	136.68	34.65	90.79	-1,036.51	770.54	6,832.15	6,756.70	75.45	90.552	
11,200.00	7,321.00	7,536.85	7,354.79	138.14	34.65	90.80	-1,036.51	770.53	6,907.97	6,832.32	75.64	91.324	
11,300.00	7,321.00	7,537.77	7,355.71	139.63	34.65	90.81	-1,036.52	770.53	6,984.39	6,908.54	75.85	92.083	
11,400.00	7,321.00	7,538.69	7,356.63	141.15	34.65	90.83	-1,036.52	770.52	7,061.40	6,985.33	76.07	92.828	
11,500.00	7,321.00	7,539.62	7,357.56	142.70	34.66	90.84	-1,036.53	770.51	7,138.98	7,062.68	76.30	93.561	
11,600.00	7,321.00	7,540.56	7,358.50	144.29	34.66	90.85	-1,036.53	770.51	7,217.11	7,140.57	76.55	94.284	
11,700.00	7,321.00	7,541.51	7,359.45	145.91	34.66	90.86	-1,036.54	770.50	7,295.78	7,218.98	76.80	94.996	
11,800.00	7,321.00	7,542.46	7,360.40	147.55	34.66	90.87	-1,036.55	770.49	7,374.96	7,297.90	77.06	95.700	
11,900.00	7,321.00	7,543.42	7,361.36	149.23	34.67	90.89	-1,036.55	770.49	7,454.65	7,377.31	77.33	96.395	
12,000.00	7,321.00	7,544.39	7,362.33	150.93	34.67	90.90	-1,036.56	770.48	7,534.82	7,457.20	77.61	97.083	
12,100.00	7,321.00	7,545.36	7,363.31	152.67	34.67	90.91	-1,036.56	770.47	7,615.45	7,537.56	77.90	97.763	
12,200.00	7,321.00	7,546.35	7,364.29	154.43	34.67	90.92	-1,036.57	770.47	7,696.55	7,618.36	78.19	98.438	
12,300.00	7,321.00	7,547.34	7,365.28	156.22	34.68	90.94	-1,036.58	770.46	7,778.08	7,699.60	78.48	99.107	
12,400.00	7,321.00	7,548.34	7,366.28	158.04	34.68	90.95	-1,036.58	770.45	7,860.04	7,781.26	78.78	99.772	
12,500.00	7,321.00	7,549.35	7,367.29	159.88	34.68	90.96	-1,036.59	770.45	7,942.41	7,863.33	79.08	100.432	
12,600.00	7,321.00	7,550.36	7,368.30	161.75	34.68	90.98	-1,036.60	770.44	8,025.18	7,945.79	79.39	101.088	
12,700.00	7,321.00	7,551.38	7,369.33	163.64	34.69	90.99	-1,036.60	770.43	8,108.34	8,028.65	79.70	101.741	
12,800.00	7,321.00	7,552.42	7,370.36	165.56	34.69	91.00	-1,036.61	770.42	8,191.88	8,111.87	80.01	102.392	
12,900.00	7,321.00	7,553.46	7,371.40	167.49	34.69	91.02	-1,036.62	770.42	8,275.78	8,195.46	80.32	103.039	
13,000.00	7,321.00	7,554.51	7,372.45	169.46	34.69	91.03	-1,036.62	770.41	8,360.04	8,279.41	80.63	103.685	
13,100.00	7,321.00	7,555.56	7,373.50	171.44	34.70	91.04	-1,036.63	770.40	8,444.64	8,363.69	80.94	104.329	
13,200.00	7,321.00	7,556.63	7,374.57	173.45	34.70	91.06	-1,036.64	770.39	8,529.57	8,448.31	81.26	104.972	
13,300.00	7,321.00	7,557.71	7,375.65	175.47	34.70	91.07	-1,036.64	770.39	8,614.82	8,533.26	81.57	105.614	
13,400.00	7,321.00	7,558.79	7,376.73	177.52	34.70	91.08	-1,036.65	770.38	8,700.39	8,618.51	81.88	106.254	
13,500.00	7,321.00	7,559.88	7,377.82	179.58	34.71	91.10	-1,036.66	770.37	8,786.27	8,704.07	82.20	106.894	
13,600.00	7,321.00	7,560.99	7,378.93	181.67	34.71	91.11	-1,036.66	770.36	8,872.44	8,789.93	82.51	107.534	
13,700.00	7,321.00	7,562.10	7,380.04	183.77	34.71	91.13	-1,036.67	770.35	8,958.90	8,876.08	82.82	108.174	
13,800.00	7,321.00	7,563.22	7,381.16	185.89	34.71	91.14	-1,036.68	770.34	9,045.63	8,962.50	83.13	108.813	
13,900.00	7,321.00	7,564.35	7,382.29	188.02	34.72	91.15	-1,036.69	770.34	9,132.64	9,049.20	83.44	109.453	
14,000.00	7,321.00	7,565.49	7,383.43	190.18	34.72	91.17	-1,036.69	770.33	9,219.91	9,136.17	83.75	110.092	
14,100.00	7,321.00	7,566.64	7,384.58	192.35	34.72	91.18	-1,036.70	770.32	9,307.44	9,223.39	84.05	110.733	
14,200.00	7,321.00	7,567.80	7,385.74	194.53	34.73	91.20	-1,036.71	770.31	9,395.22	9,310.86	84.36	111.373	
14,300.00	7,321.00	7,568.97	7,386.91	196.73	34.73	91.21	-1,036.72	770.30	9,483.23	9,398.57	84.66	112.015	
14,400.00	7,321.00	7,570.15	7,388.09	198.95	34.73	91.23	-1,036.73	770.29	9,571.49	9,486.53	84.96	112.657	
14,500.00	7,321.00	7,571.34	7,389.28	201.17	34.73	91.24	-1,036.73	770.28	9,659.97	9,574.71	85.26	113.299	
14,600.00	7,321.00	7,572.54	7,390.48	203.42	34.74	91.26	-1,036.74	770.27	9,748.67	9,663.12	85.56	113.943	
14,700.00	7,321.00	7,573.76	7,391.70	205.67	34.74	91.28	-1,036.75	770.26	9,837.60	9,751.74	85.85	114.587	
14,800.00	7,321.00	7,574.98	7,392.92	207.94	34.74	91.29	-1,036.76	770.25	9,926.73	9,840.58	86.15	115.232	
14,900.00	7,321.00	7,576.21	7,394.15	210.22	34.75	91.31	-1,036.77	770.24	10,016.07	9,929.63	86.44	115.878	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	58.74	58.74	0.27	0.11	-178.13	-1,702.56	-55.50	1,703.49	1,703.11	0.38	4,446.700		
200.00	200.00	140.89	140.88	0.63	0.41	-178.10	-1,703.38	-56.51	1,704.53	1,703.49	1.04	1,643.124		
300.00	300.00	235.63	235.53	0.99	0.76	-177.98	-1,705.09	-60.05	1,706.46	1,704.72	1.74	981.546		
400.00	400.00	350.93	350.77	1.34	1.17	-177.88	-1,706.70	-63.09	1,707.96	1,705.45	2.51	680.536		
500.00	499.98	488.32	487.98	1.69	1.64	-28.73	-1,707.05	-56.91	1,706.58	1,703.27	3.31	515.244		
600.00	599.84	600.00	598.71	2.03	2.04	-29.36	-1,705.11	-42.75	1,699.83	1,695.78	4.05	419.872		
700.00	699.45	1,188.73	1,161.36	2.38	4.96	-35.06	-1,608.75	82.80	1,672.42	1,665.37	7.05	237.177		
800.00	798.70	1,258.61	1,227.60	2.75	5.33	-36.10	-1,588.17	91.25	1,634.07	1,626.36	7.71	212.060		
900.00	897.47	1,324.21	1,289.88	3.15	5.69	-37.26	-1,569.73	100.43	1,594.67	1,586.30	8.38	190.393		
1,000.00	995.62	1,518.40	1,472.06	3.58	6.88	-40.40	-1,511.62	133.96	1,552.73	1,543.10	9.63	161.228		
1,100.00	1,093.06	1,648.35	1,592.31	4.04	7.71	-43.01	-1,465.34	150.64	1,502.58	1,492.00	10.58	141.987		
1,200.00	1,189.64	1,735.58	1,673.11	4.54	8.25	-45.16	-1,433.21	157.44	1,449.43	1,438.06	11.37	127.512		
1,300.00	1,285.27	1,808.90	1,741.41	5.08	8.68	-47.22	-1,406.68	160.09	1,394.85	1,382.73	12.12	115.115		
1,400.00	1,379.82	1,889.57	1,816.72	5.67	9.15	-49.60	-1,377.80	161.15	1,338.85	1,325.95	12.91	103.742		
1,500.00	1,473.17	1,960.00	1,882.57	6.30	9.55	-52.06	-1,352.80	161.18	1,281.71	1,267.99	13.72	93.452		
1,600.00	1,565.21	2,024.82	1,943.37	6.99	9.92	-54.64	-1,330.32	160.47	1,224.03	1,209.46	14.57	84.024		
1,700.00	1,655.84	2,085.09	2,000.13	7.73	10.25	-57.35	-1,310.11	159.45	1,166.42	1,150.94	15.48	75.341		
1,800.00	1,744.94	2,145.97	2,057.73	8.52	10.58	-60.31	-1,290.44	157.96	1,109.24	1,092.77	16.48	67.325		
1,900.00	1,832.39	2,206.60	2,115.32	9.37	10.91	-63.51	-1,271.59	155.98	1,052.82	1,035.26	17.56	59.948		
2,000.00	1,918.11	2,266.12	2,172.05	10.27	11.23	-66.93	-1,253.69	153.93	997.65	978.89	18.76	53.177		
2,100.00	2,001.97	2,323.71	2,227.12	11.22	11.53	-70.52	-1,236.98	151.90	944.38	924.29	20.09	47.010		
2,200.00	2,083.88	2,382.07	2,283.12	12.23	11.83	-74.37	-1,220.68	149.79	893.80	872.24	21.56	41.459		
2,300.00	2,163.74	2,442.51	2,341.22	13.29	12.14	-78.53	-1,204.18	147.55	846.56	823.39	23.18	36.526		
2,400.00	2,241.45	2,501.63	2,398.12	14.40	12.44	-82.80	-1,188.28	145.34	803.68	778.74	24.94	32.223		
2,500.00	2,316.92	2,558.24	2,452.65	15.57	12.73	-87.03	-1,173.24	143.22	766.50	739.67	26.83	28.570		
2,600.00	2,390.05	2,610.57	2,503.12	16.78	13.00	-91.04	-1,159.54	141.37	736.61	707.82	28.79	25.588		
2,700.00	2,460.76	2,662.55	2,553.30	18.05	13.27	-94.98	-1,146.09	139.70	715.59	684.87	30.72	23.291		
2,800.00	2,528.95	2,713.83	2,602.73	19.37	13.53	-98.80	-1,132.49	138.25	704.65	672.12	32.53	21.660		
2,849.00	2,561.62	2,737.33	2,625.33	20.03	13.66	-100.49	-1,126.11	137.65	703.31	669.97	33.34	21.096 CC, ES		
2,900.00	2,595.08	2,760.76	2,647.86	20.72	13.79	-102.20	-1,119.68	137.08	704.86	670.77	34.09	20.678		
3,000.00	2,661.04	2,806.35	2,691.65	22.08	14.03	-105.48	-1,107.04	136.05	716.16	680.87	35.30	20.291 SF		
3,100.00	2,726.99	2,851.74	2,735.24	23.46	14.28	-108.71	-1,094.39	135.09	738.08	701.95	36.13	20.427		
3,200.00	2,792.94	2,898.14	2,779.82	24.84	14.53	-111.96	-1,081.58	134.12	769.67	733.04	36.64	21.009		
3,300.00	2,858.90	2,943.86	2,823.80	26.22	14.78	-115.08	-1,069.15	133.17	809.76	772.89	36.87	21.961		
3,400.00	2,924.85	2,988.56	2,866.87	27.61	15.02	-118.04	-1,057.17	132.35	857.22	820.30	36.92	23.220		
3,500.00	2,990.81	3,034.30	2,910.96	29.00	15.27	-120.96	-1,045.04	131.64	910.88	874.04	36.85	24.722		
3,600.00	3,056.76	3,081.13	2,956.11	30.40	15.52	-123.83	-1,032.61	130.94	969.65	932.94	36.71	26.412		
3,700.00	3,122.71	3,125.91	2,999.24	31.80	15.77	-126.47	-1,020.61	130.26	1,032.67	996.13	36.54	28.258		
3,800.00	3,188.67	3,165.85	3,037.69	33.20	15.99	-128.72	-1,009.81	129.81	1,099.40	1,063.05	36.35	30.247		
3,900.00	3,254.62	3,207.17	3,077.45	34.60	16.22	-130.95	-998.55	129.57	1,169.30	1,133.13	36.17	32.326		
4,000.00	3,320.58	3,265.56	3,133.71	36.01	16.54	-133.92	-982.95	129.20	1,241.47	1,205.34	36.13	34.358		
4,100.00	3,386.53	3,320.08	3,186.39	37.41	16.83	-136.50	-968.92	128.61	1,315.20	1,279.09	36.11	36.419		
4,200.00	3,452.48	3,360.00	3,224.97	38.82	17.04	-138.28	-958.68	128.21	1,390.60	1,354.57	36.03	38.593		
4,300.00	3,518.44	3,404.08	3,267.54	40.23	17.28	-140.14	-947.24	127.87	1,467.59	1,431.57	36.01	40.753		
4,400.00	3,584.39	3,449.69	3,311.55	41.64	17.53	-141.98	-935.25	127.54	1,545.87	1,509.83	36.04	42.899		
4,500.00	3,650.35	3,495.90	3,356.09	43.05	17.78	-143.73	-922.97	127.13	1,625.22	1,589.13	36.09	45.028		
4,600.00	3,716.30	3,544.47	3,402.89	44.46	18.05	-145.48	-910.00	126.62	1,705.45	1,669.25	36.20	47.111		
4,700.00	3,782.25	3,593.26	3,449.92	45.88	18.32	-147.13	-897.00	126.05	1,786.39	1,750.05	36.34	49.159		
4,800.00	3,848.21	3,641.78	3,496.73	47.29	18.59	-148.66	-884.24	125.58	1,867.96	1,831.45	36.50	51.171		
4,900.00	3,914.16	3,688.87	3,542.22	48.71	18.84	-150.05	-872.08	125.30	1,950.08	1,913.39	36.69	53.157		
5,000.00	3,980.12	3,732.57	3,584.48	50.12	19.08	-151.26	-860.96	125.27	2,032.75	1,995.89	36.86	55.143		
5,100.00	4,046.07	3,773.96	3,624.54	51.54	19.30	-152.34	-850.54	125.48	2,115.95	2,078.91	37.04	57.120		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
5,200.00	4,112.02	3,810.60	3,659.98	52.95	19.50	-153.24	-841.27	125.82	2,199.73	2,162.53	37.20	59.132		
5,300.00	4,177.98	3,840.00	3,688.40	54.37	19.66	-153.94	-833.74	126.19	2,284.08	2,246.78	37.31	61.224		
5,400.00	4,243.93	3,880.00	3,726.99	55.79	19.88	-154.85	-823.23	126.81	2,369.02	2,331.50	37.52	63.135		
5,500.00	4,309.89	3,900.49	3,746.70	57.21	20.00	-155.30	-817.65	127.15	2,454.57	2,417.00	37.57	65.329		
5,600.00	4,375.84	3,920.00	3,765.42	58.63	20.11	-155.73	-812.17	127.48	2,540.76	2,503.14	37.62	67.538		
5,700.00	4,441.79	3,948.55	3,792.73	60.05	20.28	-156.35	-803.87	127.96	2,627.50	2,589.74	37.76	69.580		
5,800.00	4,507.75	3,976.68	3,819.56	61.47	20.45	-156.94	-795.40	128.43	2,714.77	2,676.86	37.91	71.612		
5,900.00	4,573.70	4,008.88	3,850.20	62.89	20.65	-157.60	-785.51	128.93	2,802.42	2,764.31	38.11	73.544		
6,000.00	4,639.66	4,040.00	3,879.75	64.31	20.84	-158.23	-775.78	129.36	2,890.40	2,852.10	38.30	75.468		
6,100.00	4,705.61	4,074.30	3,912.27	65.73	21.05	-158.90	-764.87	129.77	2,978.69	2,940.15	38.53	77.300		
6,200.00	4,771.56	4,108.33	3,944.48	67.15	21.26	-159.54	-753.87	130.09	3,067.23	3,028.46	38.77	79.105		
6,300.00	4,837.52	4,151.43	3,985.20	68.57	21.54	-160.33	-739.76	130.34	3,155.99	3,116.87	39.11	80.693		
6,400.00	4,903.47	4,247.90	4,076.53	69.99	22.14	-161.98	-708.70	130.25	3,244.56	3,204.58	39.98	81.163		
6,500.00	4,969.43	4,339.94	4,164.25	71.41	22.69	-163.38	-680.82	129.76	3,332.33	3,291.52	40.81	81.654		
6,600.00	5,035.38	4,376.40	4,199.10	72.83	22.91	-163.89	-670.14	129.78	3,420.11	3,379.00	41.11	83.187		
6,700.00	5,101.33	4,411.61	4,232.78	74.25	23.12	-164.35	-659.88	130.04	3,508.11	3,466.70	41.41	84.712		
6,800.00	5,167.29	4,457.83	4,277.01	75.67	23.39	-164.93	-646.48	130.57	3,596.26	3,554.43	41.83	85.979		
6,900.00	5,233.24	4,515.80	4,332.52	77.10	23.73	-165.63	-629.77	131.12	3,684.36	3,642.00	42.36	86.968		
7,000.00	5,299.20	4,566.89	4,381.46	78.52	24.03	-166.21	-615.12	131.46	3,772.42	3,729.58	42.84	88.058		
7,100.00	5,365.15	4,614.24	4,426.83	79.94	24.31	-166.73	-601.57	131.69	3,860.48	3,817.20	43.28	89.190		
7,200.00	5,431.10	4,654.15	4,465.03	81.36	24.54	-167.15	-590.00	131.71	3,948.63	3,904.97	43.66	90.444		
7,300.00	5,497.06	4,697.39	4,506.34	82.79	24.80	-167.61	-577.23	131.47	4,036.89	3,992.82	44.07	91.602		
7,400.00	5,563.01	4,947.28	4,746.66	84.21	26.21	-169.90	-508.97	127.63	4,124.32	4,077.78	46.54	88.625		
7,500.00	5,628.97	5,064.94	4,860.87	85.63	26.82	-170.79	-480.89	124.46	4,209.74	4,162.06	47.68	88.283		
7,600.00	5,694.92	5,851.71	5,638.69	87.06	29.88	-174.28	-376.77	103.95	4,293.58	4,238.90	54.69	78.511		
7,700.00	5,760.87	5,930.22	5,717.17	88.48	30.08	-174.44	-375.18	102.12	4,368.82	4,313.42	55.40	78.864		
7,800.00	5,826.83	5,977.67	5,764.61	89.90	30.19	-174.53	-374.53	101.55	4,444.14	4,388.28	55.87	79.548		
7,900.00	5,892.78	6,032.91	5,819.85	91.33	30.33	-174.61	-373.97	101.57	4,519.72	4,463.32	56.40	80.135		
8,000.00	5,958.74	6,119.94	5,906.88	92.75	30.54	-174.73	-373.31	101.65	4,595.20	4,538.01	57.19	80.355		
8,100.00	6,024.69	6,198.11	5,985.04	94.17	30.73	-174.84	-372.85	101.38	4,670.43	4,612.53	57.90	80.664		
8,200.00	6,090.64	6,287.08	6,074.01	95.60	30.95	-174.96	-372.59	100.87	4,745.40	4,686.71	58.69	80.851		
8,300.00	6,156.60	6,356.17	6,143.10	97.02	31.11	-175.05	-372.59	100.39	4,820.20	4,760.86	59.33	81.243		
8,400.00	6,222.55	6,432.16	6,219.09	98.45	31.29	-175.15	-372.61	99.83	4,894.95	4,834.93	60.02	81.552		
8,500.00	6,288.51	6,507.98	6,294.90	99.87	31.47	-175.24	-372.82	99.12	4,969.51	4,908.79	60.71	81.852		
8,600.00	6,354.46	6,566.69	6,353.62	101.29	31.61	-175.31	-372.91	98.53	5,044.10	4,982.82	61.28	82.318		
8,700.00	6,420.41	6,624.12	6,411.04	102.72	31.75	-175.38	-372.89	97.94	5,118.80	5,056.97	61.83	82.787		
8,800.00	6,486.37	6,680.00	6,466.92	104.14	31.89	-175.44	-372.76	97.38	5,193.63	5,131.25	62.38	83.261		
8,900.00	6,552.32	6,741.24	6,528.15	105.57	32.05	-175.51	-372.57	96.86	5,268.56	5,205.59	62.97	83.671		
9,000.00	6,618.28	6,800.00	6,586.91	106.99	32.19	-175.57	-372.39	96.54	5,343.58	5,280.04	63.54	84.097		
9,100.00	6,684.23	6,850.03	6,636.94	108.42	32.32	-175.62	-372.25	96.48	5,418.77	5,354.72	64.05	84.604		
9,200.00	6,750.18	6,912.10	6,699.01	109.84	32.48	-175.68	-372.07	96.58	5,494.06	5,429.41	64.65	84.976		
9,300.00	6,816.14	6,981.83	6,768.74	111.26	32.66	-175.74	-371.86	96.70	5,569.35	5,504.03	65.32	85.259		
9,400.00	6,882.09	7,055.48	6,842.39	112.69	32.85	-175.80	-371.71	96.71	5,644.55	5,578.53	66.02	85.492		
9,500.00	6,948.05	7,117.13	6,904.04	114.11	33.01	-175.86	-371.56	96.67	5,719.75	5,653.12	66.63	85.844		
9,600.00	7,014.00	7,175.22	6,962.13	115.54	33.16	-175.91	-371.36	96.65	5,795.01	5,727.80	67.21	86.224		
9,700.00	7,079.88	7,230.08	7,016.99	116.97	33.31	-179.18	-371.11	96.70	5,870.45	5,802.68	67.76	86.632		
9,800.00	7,142.10	7,280.00	7,066.91	118.48	33.44	161.84	-370.78	96.81	5,948.65	5,880.35	68.29	87.104		
9,900.00	7,197.32	7,313.65	7,100.56	120.08	33.53	142.97	-370.46	96.91	6,029.18	5,960.48	68.69	87.769		
10,000.00	7,243.87	7,345.59	7,132.49	121.71	33.62	125.70	-370.08	97.03	6,109.70	6,040.63	69.07	88.456		
10,100.00	7,280.34	7,370.30	7,157.21	123.32	33.69	111.27	-369.74	97.13	6,187.98	6,118.60	69.38	89.194		
10,200.00	7,305.62	7,387.20	7,174.10	124.84	33.73	100.17	-369.48	97.21	6,261.87	6,192.25	69.62	89.943		
10,300.00	7,318.93	7,400.00	7,186.90	126.22	33.77	92.23	-369.27	97.28	6,329.42	6,259.56	69.85	90.609		

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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,321.00	7,400.00	7,186.90	127.44	33.77	88.86	-369.27	97.28	6,389.77	6,319.74	70.03	91.244	
10,500.00	7,321.00	7,400.00	7,186.90	128.66	33.77	88.86	-369.27	97.28	6,449.52	6,379.26	70.25	91.803	
10,600.00	7,321.00	7,400.00	7,186.90	129.91	33.77	88.86	-369.27	97.28	6,510.25	6,439.74	70.51	92.327	
10,700.00	7,321.00	7,400.00	7,186.90	131.19	33.77	88.86	-369.27	97.28	6,571.94	6,501.14	70.80	92.818	
10,800.00	7,321.00	7,400.00	7,186.90	132.51	33.77	88.86	-369.27	97.28	6,634.57	6,563.44	71.13	93.278	
10,900.00	7,321.00	7,400.00	7,186.90	133.87	33.77	88.86	-369.27	97.28	6,698.10	6,626.63	71.48	93.712	
11,000.00	7,321.00	7,400.00	7,186.90	135.26	33.77	88.86	-369.27	97.28	6,762.52	6,690.67	71.85	94.122	
11,100.00	7,321.00	7,400.00	7,186.90	136.68	33.77	88.86	-369.27	97.28	6,827.79	6,755.55	72.24	94.511	
11,200.00	7,321.00	7,400.00	7,186.90	138.14	33.77	88.86	-369.27	97.28	6,893.90	6,821.24	72.66	94.880	
11,300.00	7,321.00	7,400.00	7,186.90	139.63	33.77	88.86	-369.27	97.28	6,960.81	6,887.72	73.09	95.234	
11,400.00	7,321.00	7,393.42	7,180.32	141.15	33.75	88.79	-369.38	97.24	7,028.51	6,955.02	73.49	95.645	
11,500.00	7,321.00	7,393.08	7,179.98	142.70	33.75	88.79	-369.38	97.24	7,096.97	7,023.02	73.95	95.976	
11,600.00	7,321.00	7,392.73	7,179.63	144.29	33.75	88.78	-369.39	97.24	7,166.17	7,091.76	74.42	96.297	
11,700.00	7,321.00	7,392.39	7,179.29	145.91	33.75	88.78	-369.40	97.24	7,236.10	7,161.20	74.90	96.611	
11,800.00	7,321.00	7,392.05	7,178.95	147.55	33.75	88.78	-369.40	97.24	7,306.72	7,231.33	75.39	96.919	
11,900.00	7,321.00	7,391.71	7,178.61	149.23	33.75	88.77	-369.41	97.23	7,378.03	7,302.14	75.89	97.223	
12,000.00	7,321.00	7,391.37	7,178.27	150.93	33.75	88.77	-369.41	97.23	7,449.99	7,373.60	76.39	97.524	
12,100.00	7,321.00	7,391.03	7,177.93	152.67	33.74	88.76	-369.42	97.23	7,522.59	7,445.69	76.90	97.823	
12,200.00	7,321.00	7,390.69	7,177.59	154.43	33.74	88.76	-369.42	97.23	7,595.82	7,518.41	77.41	98.122	
12,300.00	7,321.00	7,390.36	7,177.26	156.22	33.74	88.76	-369.43	97.23	7,669.65	7,591.72	77.93	98.421	
12,400.00	7,321.00	7,390.02	7,176.92	158.04	33.74	88.75	-369.43	97.23	7,744.07	7,665.63	78.44	98.722	
12,500.00	7,321.00	7,389.69	7,176.59	159.88	33.74	88.75	-369.44	97.22	7,819.06	7,740.10	78.96	99.026	
12,600.00	7,321.00	7,389.36	7,176.26	161.75	33.74	88.75	-369.44	97.22	7,894.60	7,815.12	79.48	99.332	
12,700.00	7,321.00	7,389.03	7,175.93	163.64	33.74	88.74	-369.45	97.22	7,970.68	7,890.69	79.99	99.642	
12,800.00	7,321.00	7,388.70	7,175.60	165.56	33.74	88.74	-369.46	97.22	8,047.29	7,966.78	80.51	99.956	
12,900.00	7,321.00	7,388.37	7,175.27	167.49	33.74	88.73	-369.46	97.22	8,124.40	8,043.38	81.02	100.275	
13,000.00	7,321.00	7,388.04	7,174.94	169.46	33.74	88.73	-369.47	97.22	8,202.01	8,120.48	81.53	100.599	
13,100.00	7,321.00	7,387.71	7,174.61	171.44	33.74	88.73	-369.47	97.21	8,280.10	8,198.06	82.04	100.928	
13,200.00	7,321.00	7,387.39	7,174.29	173.45	33.73	88.72	-369.48	97.21	8,358.66	8,276.11	82.54	101.263	
13,300.00	7,321.00	7,387.06	7,173.96	175.47	33.73	88.72	-369.48	97.21	8,437.67	8,354.62	83.05	101.603	
13,400.00	7,321.00	7,386.74	7,173.64	177.52	33.73	88.72	-369.49	97.21	8,517.12	8,433.57	83.54	101.949	
13,500.00	7,321.00	7,386.41	7,173.31	179.58	33.73	88.71	-369.49	97.21	8,597.00	8,512.96	84.04	102.302	
13,600.00	7,321.00	7,386.09	7,172.99	181.67	33.73	88.71	-369.50	97.21	8,677.29	8,592.77	84.52	102.661	
13,700.00	7,321.00	7,385.77	7,172.67	183.77	33.73	88.71	-369.50	97.21	8,757.99	8,672.99	85.01	103.026	
13,800.00	7,321.00	7,385.45	7,172.35	185.89	33.73	88.70	-369.51	97.20	8,839.09	8,753.60	85.49	103.397	
13,900.00	7,321.00	7,385.13	7,172.03	188.02	33.73	88.70	-369.51	97.20	8,920.57	8,834.61	85.96	103.775	
14,000.00	7,321.00	7,384.82	7,171.72	190.18	33.73	88.69	-369.52	97.20	9,002.43	8,916.00	86.43	104.159	
14,100.00	7,321.00	7,384.50	7,171.40	192.35	33.73	88.69	-369.52	97.20	9,084.64	8,997.75	86.89	104.549	
14,200.00	7,321.00	7,384.18	7,171.08	194.53	33.73	88.69	-369.53	97.20	9,167.21	9,079.86	87.35	104.945	
14,300.00	7,321.00	7,383.87	7,170.77	196.73	33.72	88.68	-369.53	97.20	9,250.13	9,162.32	87.81	105.348	
14,400.00	7,321.00	7,383.56	7,170.46	198.95	33.72	88.68	-369.54	97.19	9,333.38	9,245.12	88.25	105.756	
14,500.00	7,321.00	7,383.24	7,170.14	201.17	33.72	88.68	-369.54	97.19	9,416.95	9,328.26	88.70	106.171	
14,600.00	7,321.00	7,382.93	7,169.83	203.42	33.72	88.67	-369.55	97.19	9,500.84	9,411.71	89.13	106.592	
14,700.00	7,321.00	7,382.62	7,169.52	205.67	33.72	88.67	-369.55	97.19	9,585.05	9,495.48	89.56	107.018	
14,800.00	7,321.00	7,382.31	7,169.21	207.94	33.72	88.67	-369.56	97.19	9,669.55	9,579.56	89.99	107.450	
14,900.00	7,321.00	7,382.00	7,168.90	210.22	33.72	88.66	-369.56	97.19	9,754.34	9,663.93	90.41	107.888	
15,000.00	7,321.00	7,381.70	7,168.60	212.51	33.72	88.66	-369.57	97.19	9,839.42	9,748.60	90.83	108.331	
15,100.00	7,321.00	7,381.39	7,168.29	214.81	33.72	88.66	-369.57	97.18	9,924.78	9,833.55	91.24	108.780	
15,200.00	7,321.00	7,381.08	7,167.98	217.12	33.72	88.65	-369.58	97.18	10,010.41	9,918.77	91.64	109.234	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 34-36 - Wellbore #1 - Wellbore #1		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	66.23	66.23	0.27	0.12	-178.17	-1,727.94	-55.32	1,728.83	1,728.44	0.38	4,504.254					
200.00	200.00	163.63	163.63	0.63	0.28	-178.17	-1,728.12	-55.33	1,729.01	1,728.10	0.91	1,897.206					
300.00	300.00	261.02	261.02	0.99	0.45	-178.17	-1,728.43	-55.35	1,729.33	1,727.90	1.44	1,201.888					
400.00	400.00	358.42	358.41	1.34	0.62	-178.17	-1,728.90	-55.38	1,729.81	1,727.85	1.97	879.712					
500.00	499.98	456.11	456.11	1.69	0.82	-28.79	-1,729.51	-55.42	1,728.91	1,726.40	2.51	689.043					
600.00	599.84	556.13	556.13	2.03	1.18	-28.91	-1,730.20	-55.54	1,725.01	1,721.81	3.21	537.910					
700.00	699.45	656.34	656.33	2.38	1.54	-29.11	-1,730.87	-55.72	1,718.06	1,714.15	3.92	438.792					
800.00	798.70	761.97	761.96	2.75	1.92	-29.42	-1,731.40	-55.86	1,707.91	1,703.26	4.65	367.237					
900.00	897.47	895.13	895.08	3.15	2.37	-30.01	-1,730.87	-52.93	1,693.94	1,688.47	5.47	309.418					
1,000.00	995.62	1,062.07	1,061.57	3.58	2.95	-31.14	-1,724.63	-42.79	1,673.64	1,667.22	6.42	260.496					
1,100.00	1,093.06	1,228.89	1,227.07	4.04	3.55	-32.71	-1,711.39	-26.83	1,646.61	1,639.21	7.40	222.531					
1,200.00	1,189.64	1,406.05	1,401.01	4.54	4.27	-35.01	-1,689.12	-1.89	1,612.99	1,604.54	8.45	190.849					
1,300.00	1,285.27	1,542.27	1,533.16	5.08	4.88	-37.38	-1,665.64	21.32	1,572.82	1,563.41	9.41	167.096					
1,400.00	1,379.82	1,639.39	1,626.41	5.67	5.36	-39.62	-1,647.01	41.00	1,529.42	1,519.12	10.29	148.619					
1,500.00	1,473.17	1,752.31	1,733.69	6.30	5.97	-42.62	-1,623.69	67.43	1,483.64	1,472.33	11.31	131.183					
1,600.00	1,565.21	1,851.68	1,827.11	6.99	6.55	-45.78	-1,600.77	92.34	1,435.06	1,422.70	12.36	116.130					
1,700.00	1,655.84	1,923.78	1,894.35	7.73	7.00	-48.61	-1,583.35	111.67	1,385.39	1,372.01	13.38	103.554					
1,800.00	1,744.94	1,985.08	1,951.37	8.52	7.39	-51.37	-1,568.58	128.66	1,335.90	1,321.45	14.44	92.503					
1,900.00	1,832.39	2,042.12	2,004.59	9.37	7.76	-54.16	-1,555.23	144.24	1,287.32	1,271.75	15.58	82.653					
2,000.00	1,918.11	2,117.61	2,074.99	10.27	8.25	-57.80	-1,537.41	164.82	1,239.67	1,222.76	16.91	73.306					
2,100.00	2,001.97	2,189.04	2,141.18	11.22	8.74	-61.58	-1,519.55	184.91	1,193.00	1,174.64	18.36	64.977					
2,200.00	2,083.88	2,251.80	2,198.84	12.23	9.18	-65.21	-1,502.98	203.32	1,148.34	1,128.44	19.90	57.693					
2,300.00	2,163.74	2,307.99	2,250.30	13.29	9.58	-68.68	-1,487.72	219.96	1,106.79	1,085.25	21.54	51.383					
2,400.00	2,241.45	2,352.73	2,291.26	14.40	9.91	-71.62	-1,475.46	233.14	1,069.45	1,046.24	23.21	46.075					
2,500.00	2,316.92	2,390.91	2,326.26	15.57	10.19	-74.21	-1,465.20	244.41	1,037.56	1,012.65	24.92	41.639					
2,600.00	2,390.05	2,430.52	2,362.62	16.78	10.48	-76.79	-1,454.74	256.13	1,012.02	985.34	26.68	37.930					
2,700.00	2,460.76	2,476.51	2,404.83	18.05	10.81	-79.63	-1,442.48	269.67	993.43	964.93	28.50	34.853					
2,800.00	2,528.95	2,518.85	2,443.58	19.37	11.13	-82.17	-1,430.75	282.03	982.40	952.14	30.25	32.473					
2,876.11	2,579.60	2,539.19	2,462.18	20.39	11.28	-83.32	-1,425.03	287.97	979.73	948.32	31.41	31.194	CC				
2,900.00	2,595.08	2,545.04	2,467.54	20.72	11.32	-83.67	-1,423.40	289.69	979.95	948.20	31.74	30.872	ES				
3,000.00	2,661.04	2,570.86	2,491.14	22.08	11.52	-85.10	-1,416.27	297.34	986.83	953.79	33.03	29.876					
3,100.00	2,726.99	2,600.00	2,517.78	23.46	11.74	-86.71	-1,408.35	306.09	1,002.87	968.75	34.13	29.387	SF				
3,200.00	2,792.94	2,622.61	2,538.43	24.84	11.91	-87.96	-1,402.24	312.98	1,027.64	992.72	34.92	29.425					
3,300.00	2,858.90	2,647.52	2,561.13	26.22	12.10	-89.33	-1,395.49	320.71	1,060.55	1,025.02	35.53	29.851					
3,400.00	2,924.85	2,671.16	2,582.59	27.61	12.28	-90.63	-1,389.02	328.19	1,100.92	1,064.99	35.93	30.641					
3,500.00	2,990.81	2,694.67	2,603.87	29.00	12.47	-91.91	-1,382.50	335.77	1,147.99	1,111.82	36.17	31.735					
3,600.00	3,056.76	2,720.00	2,626.73	30.40	12.67	-93.28	-1,375.39	344.05	1,200.99	1,164.67	36.32	33.066					
3,700.00	3,122.71	2,743.17	2,647.59	31.80	12.86	-94.52	-1,368.81	351.71	1,259.16	1,222.81	36.36	34.635					
3,800.00	3,188.67	2,768.16	2,670.04	33.20	13.06	-95.85	-1,361.64	360.00	1,321.81	1,285.46	36.35	36.363					
3,900.00	3,254.62	2,792.48	2,691.87	34.60	13.26	-97.13	-1,354.59	368.12	1,388.34	1,352.04	36.30	38.247					
4,000.00	3,320.58	2,817.20	2,714.00	36.01	13.46	-98.42	-1,347.36	376.41	1,458.24	1,422.01	36.23	40.248					
4,100.00	3,386.53	2,841.91	2,736.11	37.41	13.67	-99.69	-1,340.07	384.71	1,531.05	1,494.89	36.15	42.348					
4,200.00	3,452.48	2,866.11	2,757.73	38.82	13.87	-100.92	-1,332.89	392.87	1,606.37	1,570.30	36.07	44.534					
4,300.00	3,518.44	2,898.80	2,786.92	40.23	14.14	-102.55	-1,323.14	403.87	1,683.85	1,647.76	36.09	46.658					
4,400.00	3,584.39	2,949.50	2,832.48	41.64	14.56	-105.00	-1,308.32	420.49	1,762.81	1,726.49	36.32	48.536					
4,500.00	3,650.35	3,025.76	2,901.66	43.05	15.16	-108.53	-1,286.79	444.24	1,842.71	1,805.88	36.83	50.030					
4,600.00	3,716.30	3,069.47	2,941.53	44.46	15.51	-110.47	-1,274.47	457.26	1,923.76	1,886.76	37.00	52.000					
4,700.00	3,782.25	3,097.98	2,967.56	45.88	15.73	-111.70	-1,266.38	465.61	2,005.93	1,968.92	37.01	54.199					
4,800.00	3,848.21	3,120.00	2,987.64	47.29	15.90	-112.63	-1,260.11	472.12	2,089.31	2,052.33	36.97	56.510					
4,900.00	3,914.16	3,143.68	3,009.20	48.71	16.09	-113.62	-1,253.33	479.19	2,173.77	2,136.80	36.97	58.803					
5,000.00	3,980.12	3,166.19	3,029.66	50.12	16.26	-114.53	-1,246.87	485.99	2,259.20	2,222.24	36.96	61.118					
5,100.00	4,046.07	3,189.70	3,051.01	51.54	16.45	-115.47	-1,240.12	493.16	2,345.49	2,308.51	36.99	63.414					

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	4,112.02	3,213.75	3,072.82	52.95	16.64	-116.41	-1,233.24	500.58	2,432.55	2,395.52	37.03	65.691		
5,300.00	4,177.98	3,240.00	3,096.62	54.37	16.86	-117.41	-1,225.77	508.76	2,520.28	2,483.17	37.11	67.911		
5,400.00	4,243.93	3,270.82	3,124.57	55.79	17.10	-118.55	-1,217.07	518.43	2,608.57	2,571.32	37.26	70.019		
5,500.00	4,309.89	3,382.81	3,226.91	57.21	17.98	-122.41	-1,186.77	552.31	2,696.73	2,658.46	38.27	70.471		
5,600.00	4,375.84	3,421.40	3,262.43	58.63	18.28	-123.63	-1,176.97	563.79	2,784.95	2,746.43	38.52	72.302		
5,700.00	4,441.79	3,456.58	3,294.84	60.05	18.54	-124.70	-1,168.35	574.41	2,873.51	2,834.76	38.75	74.157		
5,800.00	4,507.75	3,487.70	3,323.51	61.47	18.78	-125.61	-1,160.87	583.92	2,962.43	2,923.48	38.95	76.060		
5,900.00	4,573.70	3,516.48	3,350.01	62.89	19.00	-126.42	-1,154.00	592.80	3,051.71	3,012.58	39.13	77.982		
6,000.00	4,639.66	3,548.94	3,379.89	64.31	19.25	-127.31	-1,146.31	602.88	3,141.32	3,101.95	39.37	79.793		
6,100.00	4,705.61	3,602.88	3,429.59	65.73	19.66	-128.72	-1,133.68	619.61	3,231.11	3,191.27	39.84	81.094		
6,200.00	4,771.56	3,661.30	3,483.60	67.15	20.10	-130.17	-1,120.31	637.42	3,320.86	3,280.48	40.37	82.252		
6,300.00	4,837.52	3,709.30	3,528.06	68.57	20.46	-131.29	-1,109.59	651.98	3,410.65	3,369.85	40.80	83.593		
6,400.00	4,903.47	3,783.54	3,597.02	69.99	21.01	-132.91	-1,093.80	674.51	3,500.44	3,458.92	41.52	84.304		
6,500.00	4,969.43	3,832.11	3,642.26	71.41	21.36	-133.89	-1,084.32	689.42	3,590.04	3,548.06	41.98	85.518		
6,600.00	5,035.38	3,840.00	3,649.61	72.83	21.42	-134.04	-1,082.84	691.88	3,679.90	3,637.90	42.00	87.617		
6,700.00	5,101.33	3,861.00	3,669.12	74.25	21.57	-134.43	-1,078.90	698.59	3,770.08	3,727.91	42.17	89.397		
6,800.00	5,167.29	3,880.00	3,686.67	75.67	21.72	-134.78	-1,075.32	704.90	3,860.70	3,818.37	42.33	91.205		
6,900.00	5,233.24	3,880.00	3,686.67	77.10	21.72	-134.78	-1,075.32	704.90	3,951.62	3,909.35	42.28	93.471		
7,000.00	5,299.20	3,894.04	3,699.59	78.52	21.83	-135.03	-1,072.67	709.72	4,042.90	4,000.51	42.39	95.375		
7,100.00	5,365.15	3,904.50	3,709.18	79.94	21.91	-135.21	-1,070.69	713.40	4,134.49	4,092.02	42.47	97.358		
7,200.00	5,431.10	3,920.00	3,723.34	81.36	22.03	-135.48	-1,067.75	718.98	4,226.39	4,183.78	42.61	99.192		
7,300.00	5,497.06	3,920.00	3,723.34	82.79	22.03	-135.48	-1,067.75	718.98	4,318.55	4,275.98	42.57	101.441		
7,400.00	5,563.01	3,920.00	3,723.34	84.21	22.03	-135.48	-1,067.75	718.98	4,411.06	4,368.52	42.54	103.691		
7,500.00	5,628.97	3,940.69	3,742.14	85.63	22.20	-135.82	-1,063.73	726.63	4,503.69	4,460.94	42.76	105.329		
7,600.00	5,694.92	3,960.00	3,759.57	87.06	22.36	-136.14	-1,059.83	733.95	4,596.71	4,553.74	42.96	106.988		
7,700.00	5,760.87	3,960.00	3,759.57	88.48	22.36	-136.14	-1,059.83	733.95	4,689.85	4,646.90	42.95	109.204		
7,800.00	5,826.83	3,960.00	3,759.57	89.90	22.36	-136.14	-1,059.83	733.95	4,783.26	4,740.33	42.93	111.418		
7,900.00	5,892.78	3,960.00	3,759.57	91.33	22.36	-136.14	-1,059.83	733.95	4,876.94	4,834.02	42.92	113.629		
8,000.00	5,958.74	3,977.84	3,775.58	92.75	22.51	-136.42	-1,056.09	740.87	4,970.72	4,927.59	43.13	115.259		
8,100.00	6,024.69	4,000.00	3,795.35	94.17	22.70	-136.77	-1,051.26	749.66	5,064.86	5,021.47	43.39	116.732		
8,200.00	6,090.64	4,000.00	3,795.35	95.60	22.70	-136.77	-1,051.26	749.66	5,159.00	5,115.61	43.39	118.900		
8,300.00	6,156.60	4,000.00	3,795.35	97.02	22.70	-136.77	-1,051.26	749.66	5,253.36	5,209.97	43.39	121.061		
8,400.00	6,222.55	4,000.00	3,795.35	98.45	22.70	-136.77	-1,051.26	749.66	5,347.93	5,304.53	43.40	123.215		
8,500.00	6,288.51	4,000.00	3,795.35	99.87	22.70	-136.77	-1,051.26	749.66	5,442.69	5,399.28	43.42	125.361		
8,600.00	6,354.46	4,017.15	3,810.54	101.29	22.86	-137.04	-1,047.37	756.59	5,537.52	5,493.88	43.64	126.897		
8,700.00	6,420.41	4,023.43	3,816.09	102.72	22.91	-137.13	-1,045.90	759.15	5,632.54	5,588.81	43.73	128.793		
8,800.00	6,486.37	4,040.00	3,830.67	104.14	23.06	-137.38	-1,041.94	765.94	5,727.75	5,683.79	43.95	130.312		
8,900.00	6,552.32	4,040.00	3,830.67	105.57	23.06	-137.38	-1,041.94	765.94	5,823.01	5,779.03	43.98	132.396		
9,000.00	6,618.28	4,040.00	3,830.67	106.99	23.06	-137.38	-1,041.94	765.94	5,918.42	5,874.41	44.01	134.470		
9,100.00	6,684.23	4,040.00	3,830.67	108.42	23.06	-137.38	-1,041.94	765.94	6,013.99	5,969.94	44.05	136.532		
9,200.00	6,750.18	4,040.00	3,830.67	109.84	23.06	-137.38	-1,041.94	765.94	6,109.70	6,065.61	44.09	138.582		
9,300.00	6,816.14	4,059.01	3,847.32	111.26	23.24	-137.67	-1,037.20	773.80	6,205.41	6,161.06	44.35	139.907		
9,400.00	6,882.09	4,080.00	3,865.61	112.69	23.43	-137.99	-1,031.73	782.53	6,301.38	6,256.73	44.65	141.143		
9,500.00	6,948.05	4,080.00	3,865.61	114.11	23.43	-137.99	-1,031.73	782.53	6,397.32	6,352.62	44.69	143.135		
9,600.00	7,014.00	4,080.00	3,865.61	115.54	23.43	-137.99	-1,031.73	782.53	6,493.38	6,448.63	44.75	145.113		
9,700.00	7,079.88	4,080.00	3,865.61	116.97	23.43	-142.44	-1,031.73	782.53	6,589.62	6,544.82	44.80	147.075		
9,800.00	7,142.10	4,080.00	3,865.61	118.48	23.43	168.64	-1,031.73	782.53	6,687.94	6,643.06	44.88	149.016		
9,900.00	7,197.32	4,080.00	3,865.61	120.08	23.43	96.47	-1,031.73	782.53	6,786.99	6,742.04	44.95	150.980		
10,000.00	7,243.87	4,080.00	3,865.61	121.71	23.43	71.80	-1,031.73	782.53	6,883.80	6,838.80	45.00	152.974		
10,100.00	7,280.34	4,080.00	3,865.61	123.32	23.43	61.71	-1,031.73	782.53	6,975.58	6,930.56	45.02	154.955		
10,200.00	7,305.62	4,080.00	3,865.61	124.84	23.43	56.40	-1,031.73	782.53	7,059.79	7,014.77	45.01	156.832		
10,300.00	7,318.93	4,080.00	3,865.61	126.22	23.43	53.53	-1,031.73	782.53	7,134.18	7,089.16	45.02	158.468		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 34-36 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 440-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,400.00	7,321.00	4,062.50	3,850.37	127.44	23.27	52.49	-1,036.31	775.25	7,197.95	7,153.08	44.87	160.401	
10,500.00	7,321.00	4,040.00	3,830.67	128.66	23.06	52.30	-1,041.94	765.94	7,260.43	7,215.70	44.73	162.301	
10,600.00	7,321.00	4,040.00	3,830.67	129.91	23.06	52.30	-1,041.94	765.94	7,323.57	7,278.69	44.88	163.192	
10,700.00	7,321.00	4,040.00	3,830.67	131.19	23.06	52.30	-1,041.94	765.94	7,387.52	7,342.46	45.05	163.973	
10,800.00	7,321.00	4,040.00	3,830.67	132.51	23.06	52.30	-1,041.94	765.94	7,452.26	7,407.00	45.26	164.651	
10,900.00	7,321.00	4,022.80	3,815.53	133.87	22.91	52.15	-1,046.05	758.89	7,517.67	7,472.34	45.32	165.867	
11,000.00	7,321.00	4,000.00	3,795.35	135.26	22.70	51.96	-1,051.26	749.66	7,583.91	7,538.55	45.36	167.188	
11,100.00	7,321.00	4,000.00	3,795.35	136.68	22.70	51.96	-1,051.26	749.66	7,650.70	7,605.04	45.66	167.574	
11,200.00	7,321.00	4,000.00	3,795.35	138.14	22.70	51.96	-1,051.26	749.66	7,718.21	7,672.23	45.97	167.890	
11,300.00	7,321.00	4,000.00	3,795.35	139.63	22.70	51.96	-1,051.26	749.66	7,786.41	7,740.10	46.31	168.144	
11,400.00	7,321.00	4,000.00	3,795.35	141.15	22.70	51.96	-1,051.26	749.66	7,855.30	7,808.64	46.66	168.344	
11,500.00	7,321.00	3,981.99	3,779.30	142.70	22.55	51.80	-1,055.20	742.50	7,924.72	7,877.85	46.87	169.090	
11,600.00	7,321.00	3,960.00	3,759.57	144.29	22.36	51.62	-1,059.83	733.95	7,994.91	7,947.86	47.05	169.906	
11,700.00	7,321.00	3,960.00	3,759.57	145.91	22.36	51.62	-1,059.83	733.95	8,065.55	8,018.09	47.46	169.954	
11,800.00	7,321.00	3,960.00	3,759.57	147.55	22.36	51.62	-1,059.83	733.95	8,136.79	8,088.92	47.87	169.975	
11,900.00	7,321.00	3,960.00	3,759.57	149.23	22.36	51.62	-1,059.83	733.95	8,208.64	8,160.35	48.29	169.974	
12,000.00	7,321.00	3,960.00	3,759.57	150.93	22.36	51.62	-1,059.83	733.95	8,281.07	8,232.35	48.72	169.957	
12,100.00	7,321.00	3,960.00	3,759.57	152.67	22.36	51.62	-1,059.83	733.95	8,354.07	8,304.91	49.16	169.928	
12,200.00	7,321.00	3,941.02	3,742.44	154.43	22.20	51.46	-1,063.67	726.75	8,427.48	8,378.03	49.45	170.425	
12,300.00	7,321.00	3,920.00	3,723.34	156.22	22.03	51.28	-1,067.75	718.98	8,501.58	8,451.85	49.73	170.955	
12,400.00	7,321.00	3,920.00	3,723.34	158.04	22.03	51.28	-1,067.75	718.98	8,576.02	8,525.84	50.19	170.884	
12,500.00	7,321.00	3,920.00	3,723.34	159.88	22.03	51.28	-1,067.75	718.98	8,650.99	8,600.34	50.65	170.815	
12,600.00	7,321.00	3,920.00	3,723.34	161.75	22.03	51.28	-1,067.75	718.98	8,726.45	8,675.34	51.11	170.751	
12,700.00	7,321.00	3,920.00	3,723.34	163.64	22.03	51.28	-1,067.75	718.98	8,802.40	8,750.84	51.57	170.693	
12,800.00	7,321.00	3,920.00	3,723.34	165.56	22.03	51.28	-1,067.75	718.98	8,878.83	8,826.80	52.03	170.643	
12,900.00	7,321.00	3,902.44	3,707.29	167.49	21.89	51.14	-1,071.08	712.67	8,955.62	8,903.25	52.36	171.026	
13,000.00	7,321.00	3,897.10	3,702.39	169.46	21.85	51.09	-1,072.09	710.79	9,032.88	8,980.10	52.79	171.114	
13,100.00	7,321.00	3,880.00	3,686.67	171.44	21.72	50.95	-1,075.32	704.90	9,110.63	9,057.50	53.13	171.483	
13,200.00	7,321.00	3,880.00	3,686.67	173.45	21.72	50.95	-1,075.32	704.90	9,188.69	9,135.10	53.59	171.458	
13,300.00	7,321.00	3,880.00	3,686.67	175.47	21.72	50.95	-1,075.32	704.90	9,267.18	9,213.13	54.05	171.447	
13,400.00	7,321.00	3,880.00	3,686.67	177.52	21.72	50.95	-1,075.32	704.90	9,346.08	9,291.57	54.51	171.451	
13,500.00	7,321.00	3,880.00	3,686.67	179.58	21.72	50.95	-1,075.32	704.90	9,425.38	9,370.41	54.97	171.470	
13,600.00	7,321.00	3,880.00	3,686.67	181.67	21.72	50.95	-1,075.32	704.90	9,505.07	9,449.65	55.42	171.505	
13,700.00	7,321.00	3,862.53	3,670.53	183.77	21.59	50.80	-1,078.61	699.08	9,585.02	9,529.27	55.75	171.916	
13,800.00	7,321.00	3,857.96	3,666.30	185.89	21.55	50.77	-1,079.47	697.60	9,665.40	9,609.23	56.17	172.068	
13,900.00	7,321.00	3,840.00	3,649.61	188.02	21.42	50.62	-1,082.84	691.88	9,746.19	9,689.69	56.50	172.503	
14,000.00	7,321.00	3,840.00	3,649.61	190.18	21.42	50.62	-1,082.84	691.88	9,827.22	9,770.28	56.94	172.586	
14,100.00	7,321.00	3,840.00	3,649.61	192.35	21.42	50.62	-1,082.84	691.88	9,908.59	9,851.21	57.38	172.685	
14,200.00	7,321.00	3,840.00	3,649.61	194.53	21.42	50.62	-1,082.84	691.88	9,990.30	9,932.49	57.81	172.800	

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 93-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
100.00	100.00	96.83	96.83	0.27	0.15	-179.83	-2,109.48	-6.29	2,109.65	2,109.23	0.41	5,094.158	
200.00	200.00	180.00	179.99	0.63	0.45	-179.84	-2,108.65	-5.87	2,108.68	2,107.60	1.08	1,956.906	
281.32	281.32	252.33	252.32	0.92	0.70	-179.85	-2,108.35	-5.56	2,108.36	2,106.74	1.62	1,298.431	
300.00	300.00	270.00	269.99	0.99	0.77	-179.85	-2,108.37	-5.45	2,108.38	2,106.63	1.75	1,202.797	
400.00	400.00	362.00	361.99	1.34	1.09	-179.87	-2,108.62	-4.69	2,108.64	2,106.21	2.43	866.044	
500.00	499.98	453.00	452.98	1.69	1.41	-30.51	-2,109.24	-4.16	2,107.82	2,104.73	3.10	681.009	
600.00	599.84	551.21	551.18	2.03	1.75	-30.62	-2,110.21	-3.85	2,104.29	2,100.52	3.78	557.174	
700.00	699.45	651.34	651.31	2.38	2.11	-30.84	-2,111.16	-2.72	2,097.74	2,093.26	4.48	468.002	
800.00	798.70	768.06	767.99	2.75	2.53	-31.23	-2,111.64	0.24	2,087.69	2,082.43	5.26	396.847	
900.00	897.47	857.19	857.01	3.15	2.85	-31.69	-2,111.67	4.48	2,074.41	2,068.46	5.95	348.626	
1,000.00	995.62	923.00	922.75	3.58	3.09	-32.12	-2,112.46	7.49	2,059.41	2,052.84	6.57	313.599	
1,100.00	1,093.06	1,009.85	1,009.42	4.04	3.40	-32.74	-2,114.36	12.61	2,042.60	2,035.32	7.28	280.640	
1,200.00	1,189.64	1,088.95	1,088.17	4.54	3.70	-33.46	-2,116.58	19.65	2,023.78	2,015.79	7.98	253.492	
1,300.00	1,285.27	1,172.57	1,171.20	5.08	4.02	-34.36	-2,119.45	29.17	2,003.08	1,994.35	8.73	229.343	
1,400.00	1,379.82	1,255.82	1,253.54	5.67	4.35	-35.42	-2,122.53	41.04	1,980.41	1,970.89	9.52	208.071	
1,500.00	1,473.17	1,331.85	1,328.44	6.30	4.66	-36.56	-2,125.61	53.73	1,956.02	1,945.71	10.31	189.689	
1,600.00	1,565.21	1,403.51	1,398.78	6.99	4.97	-37.77	-2,129.06	66.92	1,930.44	1,919.31	11.13	173.447	
1,700.00	1,655.84	1,487.28	1,480.85	7.73	5.33	-39.26	-2,133.37	83.18	1,903.47	1,891.42	12.05	157.962	
1,800.00	1,744.94	1,597.72	1,588.91	8.52	5.83	-41.31	-2,138.32	105.43	1,874.45	1,861.30	13.15	142.542	
1,900.00	1,832.39	1,709.68	1,698.47	9.37	6.35	-43.61	-2,141.30	128.28	1,842.58	1,828.27	14.32	128.694	
2,000.00	1,918.11	1,795.61	1,782.68	10.27	6.75	-45.64	-2,142.97	145.30	1,809.02	1,793.59	15.43	117.275	
2,100.00	2,001.97	1,871.75	1,857.14	11.22	7.10	-47.65	-2,144.11	161.18	1,774.50	1,757.95	16.56	107.178	
2,200.00	2,083.88	1,933.88	1,917.94	12.23	7.40	-49.50	-2,145.41	173.91	1,739.85	1,722.16	17.69	98.350	
2,300.00	2,163.74	2,016.21	1,998.66	13.29	7.79	-51.88	-2,147.62	189.93	1,705.16	1,686.17	18.99	89.774	
2,400.00	2,241.45	2,101.92	2,082.78	14.40	8.18	-54.50	-2,149.23	206.33	1,669.88	1,649.48	20.39	81.882	
2,500.00	2,316.92	2,171.17	2,150.91	15.57	8.51	-56.85	-2,150.40	218.66	1,634.55	1,612.75	21.79	74.997	
2,600.00	2,390.05	2,223.04	2,201.93	16.78	8.74	-58.83	-2,151.65	227.92	1,600.43	1,577.23	23.19	68.999	
2,700.00	2,460.76	2,290.40	2,268.17	18.05	9.06	-61.30	-2,153.67	239.93	1,567.78	1,543.02	24.76	63.315	
2,800.00	2,528.95	2,354.43	2,331.24	19.37	9.35	-63.75	-2,155.57	250.88	1,536.45	1,510.05	26.40	58.199	
2,900.00	2,595.08	2,409.45	2,385.41	20.72	9.60	-65.63	-2,157.37	260.28	1,507.52	1,479.46	28.07	53.712	
3,000.00	2,661.04	2,467.04	2,442.11	22.08	9.87	-67.41	-2,159.39	270.23	1,482.39	1,452.60	29.79	49.757	
3,100.00	2,726.99	2,524.14	2,498.27	23.46	10.13	-69.20	-2,161.37	280.27	1,461.28	1,429.74	31.54	46.327	
3,200.00	2,792.94	2,576.87	2,550.15	24.84	10.38	-70.86	-2,163.54	289.50	1,444.51	1,411.23	33.27	43.412	
3,300.00	2,858.90	2,633.75	2,606.12	26.22	10.64	-72.65	-2,166.42	299.25	1,432.22	1,397.20	35.02	40.892	
3,400.00	2,924.85	2,695.43	2,666.81	27.61	10.93	-74.60	-2,169.77	309.69	1,424.24	1,387.46	36.79	38.716	
3,500.00	2,990.81	2,745.89	2,716.43	29.00	11.17	-76.20	-2,172.47	318.48	1,420.78	1,382.34	38.44	36.961	
3,520.04	3,004.02	2,755.49	2,725.85	29.28	11.22	-76.51	-2,172.96	320.25	1,420.68	1,381.92	38.76	36.651 CC, ES	
3,600.00	3,056.76	2,797.00	2,766.53	30.40	11.42	-77.84	-2,174.93	328.24	1,422.30	1,382.25	40.05	35.515	
3,700.00	3,122.71	2,890.42	2,858.22	31.80	11.86	-80.84	-2,178.60	345.76	1,427.86	1,385.94	41.92	34.059	
3,800.00	3,188.67	2,946.37	2,913.27	33.20	12.12	-82.63	-2,180.73	355.52	1,437.07	1,393.63	43.44	33.079	
3,900.00	3,254.62	3,005.22	2,971.18	34.60	12.40	-84.48	-2,183.54	365.65	1,450.73	1,405.82	44.91	32.303	
4,000.00	3,320.58	3,067.68	3,032.64	36.01	12.69	-86.42	-2,186.88	376.24	1,468.50	1,422.17	46.33	31.699	
4,100.00	3,386.53	3,134.34	3,098.25	37.41	13.00	-88.47	-2,190.20	387.52	1,490.10	1,442.40	47.70	31.240	
4,200.00	3,452.48	3,198.63	3,161.55	38.82	13.30	-90.44	-2,192.39	398.56	1,515.33	1,466.37	48.97	30.947	
4,300.00	3,518.44	3,262.16	3,224.12	40.23	13.60	-92.36	-2,194.62	409.34	1,544.14	1,494.00	50.15	30.792	
4,400.00	3,584.39	3,363.87	3,324.53	41.64	14.05	-95.37	-2,198.08	425.20	1,575.61	1,524.04	51.57	30.551 SF	
4,500.00	3,650.35	3,412.32	3,372.41	43.05	14.27	-96.77	-2,199.54	432.40	1,609.82	1,557.34	52.48	30.673	
4,600.00	3,716.30	3,464.40	3,423.83	44.46	14.50	-98.25	-2,201.14	440.46	1,647.50	1,594.15	53.35	30.881	
4,700.00	3,782.25	3,524.17	3,482.82	45.88	14.77	-99.91	-2,203.59	449.82	1,688.21	1,633.99	54.23	31.133	
4,800.00	3,848.21	3,584.18	3,542.00	47.29	15.05	-101.52	-2,206.79	459.20	1,731.59	1,676.53	55.06	31.450	
4,900.00	3,914.16	3,644.49	3,601.47	48.71	15.32	-103.09	-2,210.17	468.72	1,777.43	1,721.58	55.85	31.827	
5,000.00	3,980.12	3,717.05	3,673.05	50.12	15.65	-104.94	-2,213.72	480.01	1,825.31	1,768.60	56.71	32.189	

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
5,100.00	4,046.07	3,777.13	3,732.38	51.54	15.92	-106.45	-2,216.05	489.17	1,875.06	1,817.66	57.40	32.667		
5,200.00	4,112.02	3,827.00	3,781.62	52.95	16.15	-107.67	-2,217.84	496.89	1,926.92	1,868.96	57.96	33.246		
5,300.00	4,177.98	3,867.53	3,821.58	54.37	16.34	-108.65	-2,219.24	503.49	1,981.08	1,922.68	58.39	33.926		
5,400.00	4,243.93	3,921.00	3,874.16	55.79	16.58	-109.90	-2,221.04	513.06	2,037.78	1,978.84	58.93	34.579		
5,500.00	4,309.89	3,950.33	3,902.95	57.21	16.73	-110.57	-2,222.01	518.57	2,096.36	2,037.16	59.19	35.416		
5,600.00	4,375.84	4,009.70	3,961.23	58.63	17.01	-111.91	-2,223.95	529.73	2,156.55	2,096.80	59.75	36.090		
5,700.00	4,441.79	4,076.83	4,027.15	60.05	17.33	-113.36	-2,226.03	542.22	2,217.93	2,157.54	60.39	36.728		
5,800.00	4,507.75	4,144.91	4,094.07	61.47	17.66	-114.80	-2,228.02	554.62	2,280.27	2,219.25	61.02	37.370		
5,900.00	4,573.70	4,213.35	4,161.34	62.89	17.98	-116.17	-2,230.55	566.95	2,343.45	2,281.80	61.65	38.010		
6,000.00	4,639.66	4,277.98	4,224.88	64.31	18.29	-117.42	-2,233.18	578.49	2,407.47	2,345.22	62.25	38.676		
6,100.00	4,705.61	4,331.52	4,277.51	65.73	18.55	-118.41	-2,235.38	588.04	2,472.39	2,409.67	62.71	39.423		
6,200.00	4,771.56	4,380.24	4,325.37	67.15	18.78	-119.30	-2,237.28	596.93	2,538.40	2,475.27	63.12	40.213		
6,300.00	4,837.52	4,436.62	4,380.75	68.57	19.05	-120.29	-2,239.28	607.36	2,605.38	2,541.77	63.61	40.956		
6,400.00	4,903.47	4,493.48	4,436.61	69.99	19.32	-121.27	-2,241.00	617.82	2,673.13	2,609.03	64.10	41.700		
6,500.00	4,969.43	4,545.76	4,487.97	71.41	19.57	-122.15	-2,242.42	627.49	2,741.68	2,677.14	64.54	42.482		
6,600.00	5,035.38	4,604.83	4,545.98	72.83	19.86	-123.11	-2,243.94	638.51	2,810.99	2,745.94	65.05	43.214		
6,700.00	5,101.33	4,677.32	4,617.21	74.25	20.20	-124.25	-2,245.79	651.84	2,880.72	2,815.01	65.71	43.840		
6,800.00	5,167.29	4,756.58	4,695.17	75.67	20.58	-125.43	-2,248.49	665.85	2,950.33	2,883.87	66.45	44.397		
6,900.00	5,233.24	4,815.96	4,753.58	77.10	20.86	-126.28	-2,250.81	676.31	3,020.35	2,953.37	66.98	45.090		
7,000.00	5,299.20	4,858.00	4,794.88	78.52	21.06	-126.86	-2,252.37	683.99	3,091.24	3,023.91	67.32	45.917		
7,100.00	5,365.15	4,934.11	4,869.66	79.94	21.43	-127.88	-2,255.15	697.89	3,162.58	3,094.53	68.05	46.475		
7,200.00	5,431.10	5,010.59	4,944.90	81.36	21.79	-128.87	-2,257.86	711.38	3,234.00	3,165.22	68.77	47.023		
7,300.00	5,497.06	5,095.49	5,028.54	82.79	22.18	-129.93	-2,260.48	725.64	3,305.46	3,235.88	69.58	47.505		
7,400.00	5,563.01	5,208.86	5,140.57	84.21	22.69	-131.30	-2,263.65	742.69	3,376.25	3,305.58	70.67	47.777		
7,500.00	5,628.97	5,414.81	5,345.09	85.63	23.53	-133.69	-2,268.10	766.34	3,445.34	3,372.79	72.55	47.490		
7,600.00	5,694.92	5,555.29	5,485.14	87.06	24.04	-135.26	-2,269.80	777.16	3,513.36	3,439.67	73.69	47.679		
7,700.00	5,760.87	5,647.71	5,577.41	88.48	24.36	-136.27	-2,270.35	782.24	3,580.66	3,506.27	74.39	48.135		
7,800.00	5,826.83	5,720.42	5,650.03	89.90	24.61	-137.04	-2,270.54	785.89	3,648.22	3,573.29	74.93	48.691		
7,900.00	5,892.78	5,991.70	5,921.22	91.33	25.40	-139.86	-2,267.50	788.90	3,714.97	3,638.30	76.67	48.455		
8,000.00	5,958.74	6,053.50	5,983.01	92.75	25.56	-140.46	-2,267.85	788.05	3,779.55	3,702.47	77.08	49.037		
8,100.00	6,024.69	6,118.27	6,047.77	94.17	25.73	-141.07	-2,268.12	787.18	3,844.55	3,767.06	77.50	49.609		
8,200.00	6,090.64	6,186.12	6,115.61	95.60	25.91	-141.70	-2,268.40	786.28	3,909.90	3,831.96	77.94	50.166		
8,300.00	6,156.60	6,258.61	6,188.10	97.02	26.10	-142.35	-2,268.73	785.24	3,975.51	3,897.10	78.41	50.701		
8,400.00	6,222.55	6,318.49	6,247.97	98.45	26.26	-142.87	-2,269.05	784.43	4,041.42	3,962.61	78.81	51.281		
8,500.00	6,288.51	6,381.60	6,311.07	99.87	26.43	-143.41	-2,269.43	783.72	4,107.74	4,028.51	79.23	51.846		
8,600.00	6,354.46	6,452.47	6,381.94	101.29	26.62	-144.00	-2,269.79	782.85	4,174.31	4,094.61	79.70	52.375		
8,700.00	6,420.41	6,513.70	6,443.16	102.72	26.78	-144.49	-2,270.04	782.07	4,241.15	4,161.04	80.11	52.941		
8,800.00	6,486.37	6,574.96	6,504.42	104.14	26.95	-144.98	-2,270.24	781.35	4,308.33	4,227.80	80.52	53.505		
8,900.00	6,552.32	6,638.00	6,567.45	105.57	27.12	-145.46	-2,270.39	780.67	4,375.83	4,294.88	80.95	54.058		
9,000.00	6,618.28	6,706.38	6,635.83	106.99	27.31	-145.98	-2,270.52	779.92	4,443.57	4,362.16	81.41	54.583		
9,100.00	6,684.23	6,770.48	6,699.93	108.42	27.49	-146.45	-2,270.60	779.15	4,511.51	4,429.66	81.84	55.124		
9,200.00	6,750.18	6,831.62	6,761.07	109.84	27.65	-146.90	-2,270.53	778.41	4,579.73	4,497.47	82.26	55.675		
9,300.00	6,816.14	6,902.27	6,831.70	111.26	27.85	-147.40	-2,270.45	777.56	4,648.16	4,565.42	82.74	56.178		
9,400.00	6,882.09	6,980.67	6,910.10	112.69	28.07	-147.93	-2,270.54	776.58	4,716.68	4,633.40	83.28	56.637		
9,500.00	6,948.05	7,053.08	6,982.51	114.11	28.27	-148.41	-2,270.84	775.63	4,785.22	4,701.44	83.78	57.114		
9,600.00	7,014.00	7,125.17	7,054.58	115.54	28.47	-148.88	-2,271.16	774.66	4,853.92	4,769.63	84.29	57.586		
9,700.00	7,079.88	7,216.17	7,145.57	116.97	28.73	-151.89	-2,271.57	773.02	4,922.67	4,837.75	84.92	57.965		
9,800.00	7,142.10	7,286.88	7,216.26	118.48	28.93	-167.08	-2,271.93	771.51	4,997.36	4,911.91	85.45	58.482		
9,900.00	7,197.32	7,350.80	7,280.17	120.08	29.11	175.82	-2,272.31	770.08	5,079.28	4,993.34	85.94	59.099		
10,000.00	7,243.87	7,401.45	7,330.80	121.71	29.25	155.94	-2,272.66	768.91	5,165.96	5,079.62	86.33	59.837		
10,100.00	7,280.34	7,434.80	7,364.14	123.32	29.34	134.12	-2,272.91	768.17	5,254.92	5,168.34	86.58	60.697		
10,200.00	7,305.62	7,458.40	7,387.73	124.84	29.41	113.96	-2,273.08	767.68	5,343.63	5,256.91	86.72	61.620		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,318.93	7,471.60	7,400.94	126.22	29.45	98.52	-2,273.18	767.41	5,429.63	5,342.86	86.77	62.573		
10,400.00	7,321.00	7,481.00	7,410.33	127.44	29.47	92.09	-2,273.25	767.23	5,511.24	5,424.44	86.80	63.491		
10,500.00	7,321.00	7,481.00	7,410.33	128.66	29.47	92.09	-2,273.25	767.23	5,592.38	5,505.60	86.79	64.438		
10,600.00	7,321.00	7,481.00	7,410.33	129.91	29.47	92.09	-2,273.25	767.23	5,674.13	5,587.34	86.78	65.384		
10,700.00	7,321.00	7,481.00	7,410.33	131.19	29.47	92.09	-2,273.25	767.23	5,756.44	5,669.66	86.79	66.329		
10,800.00	7,321.00	7,481.00	7,410.33	132.51	29.47	92.09	-2,273.25	767.23	5,839.32	5,752.52	86.80	67.273		
10,900.00	7,321.00	7,481.00	7,410.33	133.87	29.47	92.09	-2,273.25	767.23	5,922.72	5,835.89	86.82	68.216		
11,000.00	7,321.00	7,481.00	7,410.33	135.26	29.47	92.09	-2,273.25	767.23	6,006.62	5,919.77	86.85	69.158		
11,100.00	7,321.00	7,487.01	7,416.34	136.68	29.49	92.20	-2,273.29	767.11	6,091.01	6,004.08	86.93	70.065		
11,200.00	7,321.00	7,488.73	7,418.06	138.14	29.50	92.23	-2,273.31	767.08	6,175.87	6,088.88	86.99	70.995		
11,300.00	7,321.00	7,490.45	7,419.78	139.63	29.50	92.26	-2,273.32	767.04	6,261.17	6,174.12	87.05	71.924		
11,400.00	7,321.00	7,492.16	7,421.48	141.15	29.51	92.29	-2,273.33	767.01	6,346.91	6,259.79	87.12	72.852		
11,500.00	7,321.00	7,493.86	7,423.19	142.70	29.51	92.32	-2,273.34	766.98	6,433.05	6,345.86	87.19	73.778		
11,600.00	7,321.00	7,495.55	7,424.88	144.29	29.51	92.35	-2,273.36	766.94	6,519.59	6,432.32	87.27	74.704		
11,700.00	7,321.00	7,497.24	7,426.57	145.91	29.52	92.38	-2,273.37	766.91	6,606.51	6,519.15	87.35	75.629		
11,800.00	7,321.00	7,498.92	7,428.25	147.55	29.52	92.41	-2,273.38	766.88	6,693.79	6,606.35	87.44	76.553		
11,900.00	7,321.00	7,500.60	7,429.92	149.23	29.53	92.44	-2,273.39	766.85	6,781.42	6,693.89	87.53	77.476		
12,000.00	7,321.00	7,502.27	7,431.59	150.93	29.53	92.47	-2,273.41	766.82	6,869.40	6,781.77	87.62	78.398		
12,100.00	7,321.00	7,503.93	7,433.25	152.67	29.54	92.49	-2,273.42	766.78	6,957.69	6,869.97	87.72	79.319		
12,200.00	7,321.00	7,505.58	7,434.91	154.43	29.54	92.52	-2,273.43	766.75	7,046.30	6,958.48	87.82	80.240		
12,300.00	7,321.00	7,507.23	7,436.56	156.22	29.55	92.55	-2,273.44	766.72	7,135.21	7,047.29	87.92	81.160		
12,400.00	7,321.00	7,508.87	7,438.20	158.04	29.55	92.58	-2,273.46	766.69	7,224.41	7,136.39	88.02	82.080		
12,500.00	7,321.00	7,510.51	7,439.83	159.88	29.56	92.61	-2,273.47	766.66	7,313.88	7,225.76	88.12	82.998		
12,600.00	7,321.00	7,512.14	7,441.46	161.75	29.56	92.64	-2,273.48	766.63	7,403.63	7,315.40	88.23	83.916		
12,700.00	7,321.00	7,513.76	7,443.09	163.64	29.57	92.67	-2,273.49	766.60	7,493.64	7,405.30	88.33	84.834		
12,800.00	7,321.00	7,515.38	7,444.70	165.56	29.57	92.70	-2,273.50	766.57	7,583.89	7,495.45	88.44	85.751		
12,900.00	7,321.00	7,516.99	7,446.31	167.49	29.58	92.72	-2,273.52	766.54	7,674.39	7,585.84	88.55	86.667		
13,000.00	7,321.00	7,518.59	7,447.92	169.46	29.58	92.75	-2,273.53	766.51	7,765.12	7,676.46	88.66	87.582		
13,100.00	7,321.00	7,520.19	7,449.52	171.44	29.59	92.78	-2,273.54	766.48	7,856.07	7,767.30	88.77	88.498		
13,200.00	7,321.00	7,521.78	7,451.11	173.45	29.59	92.81	-2,273.55	766.45	7,947.24	7,858.36	88.88	89.412		
13,300.00	7,321.00	7,523.37	7,452.69	175.47	29.59	92.84	-2,273.56	766.42	8,038.62	7,949.63	89.00	90.326		
13,400.00	7,321.00	7,524.95	7,454.27	177.52	29.60	92.87	-2,273.57	766.39	8,130.21	8,041.10	89.11	91.240		
13,500.00	7,321.00	7,526.52	7,455.84	179.58	29.60	92.89	-2,273.59	766.36	8,221.99	8,132.76	89.22	92.153		
13,600.00	7,321.00	7,528.09	7,457.41	181.67	29.61	92.92	-2,273.60	766.33	8,313.95	8,224.62	89.33	93.065		
13,700.00	7,321.00	7,529.65	7,458.97	183.77	29.61	92.95	-2,273.61	766.30	8,406.10	8,316.66	89.45	93.977		
13,800.00	7,321.00	7,531.21	7,460.53	185.89	29.62	92.98	-2,273.62	766.27	8,498.43	8,408.87	89.56	94.889		
13,900.00	7,321.00	7,532.76	7,462.08	188.02	29.62	93.00	-2,273.63	766.24	8,590.93	8,501.26	89.68	95.799		
14,000.00	7,321.00	7,534.30	7,463.62	190.18	29.63	93.03	-2,273.64	766.22	8,683.60	8,593.81	89.79	96.710		
14,100.00	7,321.00	7,535.84	7,465.16	192.35	29.63	93.06	-2,273.65	766.19	8,776.43	8,686.52	89.90	97.620		
14,200.00	7,321.00	7,537.37	7,466.69	194.53	29.63	93.08	-2,273.67	766.16	8,869.41	8,779.39	90.02	98.529		
14,300.00	7,321.00	7,538.90	7,468.22	196.73	29.64	93.11	-2,273.68	766.13	8,962.54	8,872.41	90.13	99.438		
14,400.00	7,321.00	7,540.42	7,469.74	198.95	29.64	93.14	-2,273.69	766.10	9,055.82	8,965.57	90.25	100.346		
14,500.00	7,321.00	7,541.93	7,471.25	201.17	29.65	93.16	-2,273.70	766.08	9,149.24	9,058.88	90.36	101.254		
14,600.00	7,321.00	7,543.44	7,472.76	203.42	29.65	93.19	-2,273.71	766.05	9,242.80	9,152.33	90.47	102.161		
14,700.00	7,321.00	7,544.95	7,474.26	205.67	29.66	93.22	-2,273.72	766.02	9,336.49	9,245.90	90.59	103.068		
14,800.00	7,321.00	7,546.44	7,475.76	207.94	29.66	93.24	-2,273.73	766.00	9,430.31	9,339.61	90.70	103.974		
14,900.00	7,321.00	7,547.94	7,477.25	210.22	29.66	93.27	-2,273.74	765.97	9,524.26	9,433.45	90.81	104.880		
15,000.00	7,321.00	7,549.42	7,478.74	212.51	29.67	93.30	-2,273.75	765.94	9,618.33	9,527.40	90.92	105.785		
15,100.00	7,321.00	7,550.90	7,480.22	214.81	29.67	93.32	-2,273.76	765.91	9,712.51	9,621.48	91.04	106.689		
15,200.00	7,321.00	7,552.38	7,481.70	217.12	29.68	93.35	-2,273.78	765.89	9,806.81	9,715.67	91.15	107.593		
15,300.00	7,321.00	7,560.00	7,489.31	219.45	29.70	93.48	-2,273.83	765.75	9,901.23	9,809.93	91.30	108.450		
15,400.00	7,321.00	7,560.00	7,489.31	221.78	29.70	93.48	-2,273.83	765.75	9,995.75	9,904.35	91.40	109.364		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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	7,321.00	7,560.00	7,489.31	224.13	29.70	93.48	-2,273.83	765.75	10,090.37	9,998.87	91.50	110.277	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	107.25	107.25	0.27	0.15	-167.05	-1,293.44	-297.54	1,327.35	1,326.93	0.42	3,156.006		
200.00	200.00	200.88	200.86	0.63	0.43	-167.08	-1,292.38	-296.57	1,326.02	1,324.96	1.06	1,251.163		
300.00	300.00	292.83	292.81	0.99	0.76	-167.04	-1,291.72	-297.22	1,325.48	1,323.74	1.74	761.438		
400.00	400.00	396.53	396.49	1.34	1.12	-166.97	-1,291.00	-298.86	1,325.16	1,322.70	2.47	537.482		
500.00	499.98	493.61	493.54	1.69	1.47	-17.50	-1,290.04	-300.74	1,322.97	1,319.82	3.16	419.265		
600.00	599.84	577.71	577.64	2.03	1.76	-17.54	-1,289.95	-301.76	1,318.16	1,314.38	3.79	348.173		
700.00	699.45	675.56	675.47	2.38	2.09	-17.76	-1,291.34	-300.65	1,310.98	1,306.51	4.47	293.517		
800.00	798.70	788.03	787.93	2.75	2.48	-18.11	-1,292.37	-298.84	1,299.92	1,294.71	5.21	249.539		
900.00	897.47	890.40	890.27	3.15	2.83	-18.51	-1,292.59	-296.98	1,284.87	1,278.94	5.93	216.732		
1,000.00	995.62	967.35	967.22	3.58	3.10	-18.85	-1,293.03	-296.87	1,267.29	1,260.72	6.56	193.075		
1,100.00	1,093.06	1,057.84	1,057.66	4.04	3.42	-19.18	-1,294.16	-299.43	1,247.72	1,240.47	7.26	171.967		
1,200.00	1,189.64	1,146.83	1,146.54	4.54	3.73	-19.51	-1,295.32	-303.62	1,225.39	1,217.44	7.95	154.065		
1,300.00	1,285.27	1,231.85	1,231.30	5.08	4.03	-19.79	-1,296.63	-310.21	1,200.71	1,192.06	8.65	138.784		
1,400.00	1,379.82	1,313.50	1,312.57	5.67	4.33	-20.08	-1,298.51	-317.86	1,173.90	1,164.55	9.35	125.514		
1,500.00	1,473.17	1,389.33	1,387.92	6.30	4.61	-20.39	-1,301.14	-325.96	1,145.31	1,135.26	10.05	113.966		
1,600.00	1,565.21	1,462.00	1,459.85	6.99	4.89	-20.68	-1,304.98	-335.48	1,115.68	1,104.93	10.75	103.760		
1,700.00	1,655.84	1,545.86	1,542.47	7.73	5.22	-20.94	-1,310.28	-348.82	1,084.47	1,072.95	11.52	94.107		
1,800.00	1,744.94	1,640.41	1,635.52	8.52	5.61	-21.28	-1,316.27	-364.49	1,050.35	1,037.99	12.36	84.996		
1,900.00	1,832.39	1,710.98	1,704.85	9.37	5.91	-21.65	-1,321.08	-376.74	1,013.88	1,000.76	13.13	77.239		
2,000.00	1,918.11	1,776.59	1,768.66	10.27	6.20	-21.94	-1,327.09	-390.74	977.13	963.23	13.90	70.297		
2,100.00	2,001.97	1,858.00	1,846.95	11.22	6.59	-22.10	-1,335.21	-411.51	939.01	924.24	14.77	63.577		
2,200.00	2,083.88	1,942.18	1,926.89	12.23	7.03	-22.10	-1,343.67	-436.47	898.82	883.13	15.69	57.285		
2,300.00	2,163.74	2,012.16	1,992.52	13.29	7.43	-22.05	-1,351.22	-459.54	857.10	840.52	16.58	51.689		
2,400.00	2,241.45	2,081.83	2,057.04	14.40	7.86	-21.93	-1,360.13	-484.29	814.82	797.33	17.50	46.570		
2,500.00	2,316.92	2,153.45	2,122.53	15.57	8.32	-21.72	-1,370.54	-511.32	771.81	753.36	18.44	41.846		
2,600.00	2,390.05	2,225.02	2,186.89	16.78	8.84	-21.36	-1,382.03	-540.43	728.08	708.66	19.41	37.502		
2,700.00	2,460.76	2,295.25	2,248.93	18.05	9.38	-20.86	-1,394.46	-570.88	683.82	663.43	20.39	33.537		
2,800.00	2,528.95	2,374.22	2,317.91	19.37	10.02	-20.18	-1,410.12	-606.00	639.01	617.60	21.41	29.846		
2,900.00	2,595.08	2,459.58	2,392.87	20.72	10.74	-19.26	-1,427.67	-642.89	592.37	569.89	22.47	26.360		
3,000.00	2,661.04	2,540.58	2,463.18	22.08	11.44	-17.95	-1,444.79	-679.27	546.80	523.33	23.46	23.305		
3,100.00	2,726.99	2,633.35	2,543.77	23.46	12.28	-16.23	-1,464.67	-720.69	501.72	477.25	24.47	20.504		
3,200.00	2,792.94	2,733.02	2,630.00	24.84	13.20	-13.58	-1,482.95	-767.17	455.18	429.80	25.38	17.934		
3,300.00	2,858.90	2,819.77	2,704.73	26.22	14.03	-10.43	-1,497.16	-808.87	408.45	382.31	26.14	15.626		
3,400.00	2,924.85	2,904.43	2,777.78	27.61	14.85	-6.71	-1,511.27	-849.28	363.04	336.24	26.80	13.544		
3,500.00	2,990.81	2,996.09	2,857.59	29.00	15.73	-1.92	-1,526.91	-891.53	318.74	291.29	27.46	11.609		
3,600.00	3,056.76	3,077.93	2,929.03	30.40	16.52	3.53	-1,540.77	-928.96	276.38	248.23	28.16	9.816		
3,700.00	3,122.71	3,165.91	3,005.24	31.80	17.37	11.36	-1,555.54	-970.36	238.29	208.95	29.34	8.122		
3,800.00	3,188.67	3,245.39	3,074.30	33.20	18.17	20.09	-1,569.74	-1,007.04	205.76	174.40	31.35	6.563		
3,900.00	3,254.62	3,331.56	3,147.41	34.60	19.04	31.40	-1,587.83	-1,048.91	184.83	149.56	35.27	5.241		
4,000.00	3,320.58	3,424.14	3,227.41	36.01	19.98	45.10	-1,607.63	-1,091.09	171.54	129.96	41.58	4.125		
4,049.18	3,353.01	3,465.52	3,263.25	36.70	20.39	51.85	-1,615.73	-1,110.12	169.64	124.58	45.06	3.765 CC		
4,100.00	3,386.53	3,512.27	3,303.80	37.41	20.85	59.64	-1,624.36	-1,131.71	171.36	122.40	48.96	3.500 ES		
4,200.00	3,452.48	3,602.08	3,383.06	38.82	21.71	74.02	-1,641.08	-1,170.48	182.28	126.92	55.36	3.293 SF		
4,300.00	3,518.44	3,678.57	3,450.21	40.23	22.45	84.92	-1,653.29	-1,205.00	207.82	149.22	58.59	3.547		
4,400.00	3,584.39	3,767.45	3,528.64	41.64	23.30	95.37	-1,665.77	-1,244.89	242.98	181.98	61.00	3.983		
4,500.00	3,650.35	3,850.41	3,601.94	43.05	24.10	102.86	-1,677.64	-1,281.87	283.60	221.46	62.14	4.564		
4,600.00	3,716.30	3,926.81	3,668.25	44.46	24.87	107.79	-1,688.82	-1,318.12	328.90	266.15	62.75	5.242		
4,700.00	3,782.25	4,007.31	3,736.89	45.88	25.73	111.51	-1,699.72	-1,358.74	378.12	314.38	63.73	5.933		
4,800.00	3,848.21	4,095.05	3,811.38	47.29	26.67	114.58	-1,711.92	-1,403.47	428.35	363.11	65.24	6.566		
4,900.00	3,914.16	4,185.07	3,887.81	48.71	27.65	117.05	-1,725.48	-1,449.06	478.25	411.36	66.90	7.149		
5,000.00	3,980.12	4,273.98	3,963.20	50.12	28.62	119.00	-1,739.56	-1,494.04	528.03	459.50	68.53	7.705		
5,100.00	4,046.07	4,364.87	4,040.97	51.54	29.58	120.79	-1,754.30	-1,538.70	577.48	507.29	70.19	8.227		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	4,112.02	4,454.92	4,120.02	52.95	30.48	122.69	-1,768.66	-1,579.37	626.55	554.93	71.62	8.748		
5,300.00	4,177.98	4,540.75	4,195.94	54.37	31.31	124.36	-1,782.36	-1,616.97	675.75	602.90	72.84	9.277		
5,400.00	4,243.93	4,621.24	4,265.95	55.79	32.13	125.50	-1,795.41	-1,654.47	725.63	651.57	74.06	9.798		
5,500.00	4,309.89	4,708.69	4,341.44	57.21	33.04	126.49	-1,809.61	-1,696.26	775.94	700.31	75.62	10.260		
5,600.00	4,375.84	4,795.40	4,416.61	58.63	33.94	127.39	-1,823.74	-1,737.10	826.23	749.07	77.16	10.708		
5,700.00	4,441.79	4,893.92	4,501.21	60.05	34.98	128.19	-1,840.65	-1,784.65	876.11	796.94	79.17	11.066		
5,800.00	4,507.75	5,008.22	4,600.26	61.47	36.15	129.15	-1,862.47	-1,837.36	924.12	842.59	81.53	11.334		
5,900.00	4,573.70	5,120.18	4,696.89	62.89	37.31	129.97	-1,886.98	-1,888.30	969.67	885.91	83.75	11.578		
6,000.00	4,639.66	5,194.11	4,760.09	64.31	38.10	130.39	-1,903.72	-1,922.81	1,014.81	929.80	85.01	11.937		
6,100.00	4,705.61	5,274.87	4,828.64	65.73	38.97	130.74	-1,921.00	-1,961.85	1,061.30	974.77	86.53	12.266		
6,200.00	4,771.56	5,369.77	4,910.04	67.15	39.97	131.21	-1,941.11	-2,006.30	1,107.84	1,019.47	88.38	12.536		
6,300.00	4,837.52	5,442.25	4,972.70	68.57	40.72	131.61	-1,956.68	-2,039.23	1,154.14	1,064.57	89.56	12.886		
6,400.00	4,903.47	5,510.00	5,031.30	69.99	41.42	131.93	-1,968.87	-2,070.96	1,203.30	1,112.66	90.64	13.275		
6,500.00	4,969.43	5,565.25	5,079.53	71.41	41.97	132.20	-1,977.61	-2,096.44	1,254.15	1,162.84	91.31	13.735		
6,600.00	5,035.38	5,656.82	5,161.13	72.83	42.85	132.82	-1,992.17	-2,135.36	1,305.11	1,212.24	92.87	14.054		
6,700.00	5,101.33	5,760.28	5,253.21	74.25	43.83	133.46	-2,009.32	-2,179.29	1,355.61	1,260.88	94.73	14.310		
6,800.00	5,167.29	5,857.38	5,338.01	75.67	44.81	133.86	-2,027.05	-2,223.14	1,404.87	1,308.29	96.58	14.546		
6,900.00	5,233.24	5,974.57	5,438.17	77.10	46.07	134.11	-2,049.79	-2,279.54	1,453.47	1,354.33	99.14	14.660		
7,000.00	5,299.20	6,094.14	5,540.23	78.52	47.36	134.38	-2,075.80	-2,336.08	1,499.84	1,398.15	101.69	14.749		
7,100.00	5,365.15	6,138.91	5,579.00	79.94	47.81	134.51	-2,085.09	-2,356.43	1,546.82	1,444.54	102.28	15.124		
7,200.00	5,431.10	6,179.00	5,613.65	81.36	48.23	134.62	-2,092.68	-2,375.12	1,595.95	1,493.25	102.70	15.540		
7,300.00	5,497.06	6,251.90	5,675.90	82.79	49.03	134.72	-2,105.23	-2,410.91	1,646.55	1,542.45	104.10	15.817		
7,400.00	5,563.01	6,353.36	5,762.04	84.21	50.14	134.81	-2,121.90	-2,461.84	1,697.88	1,591.52	106.36	15.964		
7,500.00	5,628.97	6,414.42	5,815.08	85.63	50.77	134.95	-2,132.10	-2,490.32	1,748.83	1,641.49	107.35	16.292		
7,600.00	5,694.92	6,465.00	5,859.39	87.06	51.28	135.09	-2,139.48	-2,513.56	1,801.47	1,693.47	108.00	16.680		
7,700.00	5,760.87	6,532.06	5,918.34	88.48	51.95	135.27	-2,148.32	-2,544.29	1,855.34	1,746.24	109.10	17.006		
7,800.00	5,826.83	6,630.32	6,004.45	89.90	52.94	135.50	-2,160.94	-2,589.89	1,909.57	1,798.47	111.10	17.188		
7,900.00	5,892.78	6,801.50	6,151.06	91.33	54.78	135.67	-2,188.72	-2,673.70	1,960.66	1,845.44	115.22	17.016		
8,000.00	5,958.74	6,887.20	6,225.47	92.75	55.67	135.83	-2,204.11	-2,713.32	2,010.47	1,893.59	116.88	17.202		
8,100.00	6,024.69	6,970.65	6,298.97	94.17	56.49	136.05	-2,218.81	-2,750.01	2,060.50	1,942.13	118.37	17.407		
8,200.00	6,090.64	7,059.93	6,377.79	95.60	57.36	136.28	-2,234.64	-2,788.83	2,110.44	1,990.46	119.98	17.591		
8,300.00	6,156.60	7,134.00	6,443.53	97.02	58.07	136.50	-2,247.64	-2,820.38	2,160.54	2,039.34	121.20	17.826		
8,400.00	6,222.55	7,213.99	6,514.15	98.45	58.86	136.69	-2,261.37	-2,855.32	2,211.02	2,088.41	122.61	18.033		
8,500.00	6,288.51	7,298.74	6,588.23	99.87	59.71	136.83	-2,275.69	-2,893.93	2,261.81	2,137.61	124.20	18.211		
8,600.00	6,354.46	7,400.85	6,677.78	101.29	60.73	137.01	-2,293.22	-2,939.76	2,312.37	2,186.18	126.19	18.324		
8,700.00	6,420.41	7,547.96	6,803.58	102.72	62.32	137.10	-2,321.27	-3,010.57	2,361.24	2,231.77	129.46	18.239		
8,800.00	6,486.37	7,634.26	6,875.98	104.14	63.29	137.09	-2,338.78	-3,054.14	2,409.14	2,277.81	131.33	18.344		
8,900.00	6,552.32	7,707.28	6,938.98	105.57	64.07	137.16	-2,353.24	-3,088.09	2,457.42	2,324.68	132.73	18.514		
9,000.00	6,618.28	7,830.32	7,045.48	106.99	65.35	137.31	-2,378.30	-3,144.35	2,505.10	2,369.87	135.23	18.525		
9,100.00	6,684.23	7,876.61	7,083.48	108.42	65.93	137.26	-2,387.73	-3,169.01	2,553.02	2,416.81	136.21	18.743		
9,200.00	6,750.18	7,937.00	7,130.03	109.84	66.72	137.06	-2,398.57	-3,205.88	2,602.76	2,465.03	137.74	18.897		
9,300.00	6,816.14	7,969.00	7,153.07	111.26	67.23	136.89	-2,403.79	-3,227.45	2,653.62	2,515.10	138.51	19.158		
9,400.00	6,882.09	8,033.00	7,195.16	112.69	68.25	136.42	-2,413.93	-3,274.53	2,705.36	2,564.81	140.56	19.248		
9,500.00	6,948.05	8,033.00	7,195.16	114.11	68.25	136.42	-2,413.93	-3,274.53	2,758.92	2,618.87	140.04	19.700		
9,600.00	7,014.00	8,079.63	7,222.30	115.54	69.10	135.97	-2,420.12	-3,311.93	2,813.62	2,672.06	141.56	19.876		
9,700.00	7,079.88	8,128.00	7,247.14	116.97	69.98	132.95	-2,424.36	-3,353.19	2,871.02	2,727.84	143.18	20.052		
9,800.00	7,142.10	8,128.00	7,247.14	118.48	69.98	120.09	-2,424.36	-3,353.19	2,925.18	2,782.82	142.36	20.547		
9,900.00	7,197.32	8,162.91	7,262.72	120.08	70.68	109.61	-2,426.47	-3,384.35	2,974.04	2,830.93	143.11	20.782		
10,000.00	7,243.87	8,224.00	7,284.68	121.71	71.90	101.60	-2,429.51	-3,441.24	3,015.22	2,870.10	145.11	20.778		
10,100.00	7,280.34	8,328.49	7,309.16	123.32	74.11	95.79	-2,434.36	-3,542.61	3,046.67	2,897.15	149.52	20.376		
10,200.00	7,305.62	8,415.00	7,316.22	124.84	75.98	92.08	-2,438.71	-3,628.64	3,066.59	2,913.62	152.97	20.047		
10,300.00	7,318.93	8,463.96	7,316.35	126.22	77.03	90.33	-2,440.68	-3,677.56	3,075.78	2,921.45	154.33	19.929		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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	7,321.00	8,510.00	7,316.45	127.44	78.03	90.12	-2,441.58	-3,723.59	3,075.82	2,920.27	155.55	19.774					
10,463.93	7,321.00	8,536.52	7,316.60	128.21	78.61	90.12	-2,441.70	-3,750.10	3,075.49	2,919.32	156.17	19.693					
10,500.00	7,321.00	8,553.62	7,316.79	128.66	78.98	90.13	-2,441.64	-3,767.20	3,075.62	2,918.98	156.64	19.635					
10,600.00	7,321.00	8,606.00	7,317.83	129.91	80.12	90.15	-2,440.82	-3,819.56	3,077.14	2,918.92	158.23	19.447					
10,700.00	7,321.00	8,727.26	7,321.36	131.19	82.80	90.21	-2,438.51	-3,940.75	3,079.10	2,915.21	163.89	18.787					
10,800.00	7,321.00	8,831.16	7,326.61	132.51	85.13	90.31	-2,437.06	-4,044.50	3,080.55	2,911.93	168.62	18.269					
10,900.00	7,321.00	8,922.18	7,331.31	133.87	87.20	90.40	-2,435.82	-4,135.40	3,081.99	2,909.35	172.64	17.852					
11,000.00	7,321.00	9,000.95	7,332.48	135.26	89.00	90.42	-2,434.19	-4,214.13	3,084.08	2,908.13	175.95	17.528					
11,100.00	7,321.00	9,233.41	7,330.28	136.68	94.40	90.38	-2,432.44	-4,446.55	3,085.57	2,897.20	188.38	16.380					
11,200.00	7,321.00	9,400.07	7,330.31	138.14	98.37	90.38	-2,437.99	-4,613.10	3,082.07	2,885.13	196.94	15.650					
11,300.00	7,321.00	9,488.11	7,331.48	139.63	100.49	90.40	-2,441.45	-4,701.06	3,078.18	2,877.19	200.99	15.315					
11,400.00	7,321.00	9,656.00	7,333.21	141.15	104.56	90.43	-2,448.71	-4,868.77	3,074.24	2,864.56	209.68	14.662					
11,500.00	7,321.00	9,712.92	7,333.90	142.70	105.96	90.45	-2,451.86	-4,925.60	3,068.86	2,856.86	212.01	14.475					
11,600.00	7,321.00	9,768.73	7,333.60	144.29	107.32	90.44	-2,453.89	-4,981.37	3,065.19	2,850.94	214.25	14.307					
11,700.00	7,321.00	9,847.00	7,334.42	145.91	109.24	90.46	-2,456.15	-5,059.60	3,062.36	2,844.54	217.82	14.059					
11,800.00	7,321.00	9,894.12	7,335.25	147.55	110.40	90.47	-2,456.95	-5,106.71	3,060.80	2,841.27	219.53	13.942					
11,900.00	7,321.00	9,998.12	7,335.20	149.23	112.96	90.47	-2,457.19	-5,210.70	3,060.62	2,835.94	224.67	13.622					
12,000.00	7,321.00	10,100.38	7,335.18	150.93	115.50	90.47	-2,458.71	-5,312.95	3,059.14	2,829.40	229.74	13.316					
12,100.00	7,321.00	10,229.00	7,336.55	152.67	118.70	90.50	-2,460.02	-5,441.54	3,058.25	2,821.82	236.43	12.935					
12,191.44	7,321.00	10,266.43	7,337.20	154.28	119.64	90.51	-2,460.56	-5,478.96	3,057.24	2,819.55	237.69	12.862					
12,200.00	7,321.00	10,269.02	7,337.23	154.43	119.70	90.51	-2,460.56	-5,481.55	3,057.25	2,819.50	237.75	12.859					
12,300.00	7,321.00	10,324.00	7,337.70	156.22	121.07	90.52	-2,459.34	-5,536.51	3,058.91	2,818.97	239.95	12.748					
12,400.00	7,321.00	10,371.28	7,338.08	158.04	122.25	90.53	-2,457.53	-5,583.75	3,062.07	2,820.44	241.63	12.672					
12,500.00	7,321.00	10,558.96	7,339.88	159.88	126.96	90.56	-2,454.48	-5,771.38	3,063.48	2,811.30	252.18	12.148					
12,600.00	7,321.00	10,670.41	7,340.40	161.75	129.78	90.57	-2,454.11	-5,882.83	3,063.85	2,805.92	257.93	11.879					
12,700.00	7,321.00	10,775.09	7,338.74	163.64	132.43	90.54	-2,454.10	-5,987.50	3,063.87	2,800.60	263.27	11.638					
12,800.00	7,321.00	10,886.73	7,338.14	165.56	135.28	90.53	-2,454.28	-6,099.14	3,063.74	2,794.68	269.06	11.387					
12,900.00	7,321.00	11,063.67	7,340.43	167.49	139.81	90.57	-2,456.86	-6,276.04	3,062.49	2,783.67	278.82	10.984					
13,000.00	7,321.00	11,147.15	7,342.83	169.46	141.95	90.61	-2,459.39	-6,359.44	3,059.58	2,776.63	282.95	10.813					
13,100.00	7,321.00	11,227.05	7,344.82	171.44	144.01	90.65	-2,460.89	-6,439.30	3,057.71	2,770.85	286.86	10.659					
13,200.00	7,321.00	11,441.63	7,348.16	173.45	149.56	90.72	-2,468.28	-6,653.68	3,054.51	2,755.75	298.76	10.224					
13,300.00	7,321.00	11,542.08	7,350.81	175.47	152.16	90.77	-2,474.27	-6,753.90	3,048.60	2,744.67	303.93	10.031					
13,400.00	7,321.00	11,567.00	7,350.66	177.52	152.81	90.77	-2,475.58	-6,778.80	3,044.12	2,739.44	304.69	9.991					
13,500.00	7,321.00	11,618.58	7,349.23	179.58	154.14	90.74	-2,477.23	-6,830.32	3,041.40	2,734.49	306.92	9.910					
13,536.50	7,321.00	11,630.28	7,348.71	180.34	154.44	90.73	-2,477.34	-6,842.01	3,041.04	2,733.76	307.28	9.897					
13,600.00	7,321.00	11,663.00	7,346.83	181.67	155.28	90.69	-2,477.15	-6,874.68	3,041.19	2,732.56	308.63	9.854					
13,700.00	7,321.00	11,694.57	7,344.85	183.77	156.10	90.66	-2,476.45	-6,906.17	3,042.94	2,733.51	309.44	9.834					
13,800.00	7,321.00	11,759.00	7,341.59	185.89	157.75	90.59	-2,474.07	-6,970.48	3,046.46	2,734.18	312.28	9.756					
13,900.00	7,321.00	11,759.00	7,341.59	188.02	157.75	90.59	-2,474.07	-6,970.48	3,051.94	2,741.19	310.75	9.821					
14,000.00	7,321.00	11,854.00	7,338.72	190.18	160.19	90.54	-2,467.26	-7,065.18	3,059.11	2,743.51	315.60	9.693					
14,100.00	7,321.00	12,030.39	7,342.80	192.35	164.75	90.61	-2,455.28	-7,241.07	3,066.59	2,740.57	326.02	9.406					
14,200.00	7,321.00	12,107.13	7,343.92	194.53	166.74	90.63	-2,451.52	-7,317.70	3,071.58	2,741.89	329.70	9.316					
14,300.00	7,321.00	12,740.93	7,355.46	196.73	183.34	90.85	-2,471.91	-7,949.92	3,068.31	2,702.20	366.11	8.381					
14,400.00	7,321.00	12,805.00	7,356.94	198.95	185.02	90.88	-2,478.44	-8,013.62	3,057.79	2,688.25	369.54	8.275					
14,500.00	7,321.00	12,805.00	7,356.94	201.17	185.02	90.88	-2,478.44	-8,013.62	3,048.75	2,679.20	369.55	8.250					
14,600.00	7,321.00	12,846.14	7,356.72	203.42	186.10	90.88	-2,481.31	-8,054.66	3,042.08	2,670.54	371.54	8.188					
14,700.00	7,321.00	12,901.00	7,355.85	205.67	187.54	90.87	-2,483.25	-8,109.48	3,038.00	2,663.80	374.20	8.119					
14,800.00	7,321.00	12,923.49	7,355.36	207.94	188.13	90.86	-2,483.59	-8,131.96	3,035.54	2,660.68	374.85	8.098					
14,900.00	7,321.00	13,012.25	7,353.61	210.22	190.47	90.82	-2,484.73	-8,220.70	3,034.25	2,654.83	379.42	7.997					
15,000.00	7,321.00	13,092.00	7,351.94	212.51	192.57	90.79	-2,485.45	-8,300.42	3,033.38	2,649.94	383.43	7.911					
15,012.92	7,321.00	13,092.00	7,351.94	212.80	192.57	90.79	-2,485.45	-8,300.42	3,033.35	2,650.04	383.31	7.914					
15,100.00	7,321.00	13,135.62	7,350.84	214.81	193.72	90.77	-2,485.29	-8,344.03	3,033.82	2,648.67	385.14	7.877					

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 36-T7N-R67W - ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 - PATT 901		Offset Site Error: 0.00 usft	
Survey Program: 130-MWD OWSG													Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis		Distance								Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
15,200.00	7,321.00	13,187.00	7,349.28	217.12	195.08	90.74	-2,483.90	-8,395.36	3,036.29	2,649.04	387.25	7.841				
15,300.00	7,321.00	13,308.96	7,345.73	219.45	198.29	90.67	-2,479.93	-8,517.21	3,039.66	2,645.70	393.96	7.716				
15,400.00	7,321.00	13,418.50	7,343.05	221.78	201.18	90.62	-2,478.27	-8,626.70	3,041.12	2,641.26	399.86	7.605				
15,500.00	7,321.00	13,473.00	7,341.37	224.13	202.61	90.59	-2,476.76	-8,681.15	3,043.87	2,641.72	402.16	7.569				
15,600.00	7,321.00	13,551.59	7,337.85	226.48	204.68	90.52	-2,473.72	-8,759.60	3,047.73	2,641.73	406.00	7.507				
15,700.00	7,321.00	13,696.88	7,328.28	228.85	208.50	90.34	-2,468.42	-8,904.48	3,051.45	2,637.18	414.27	7.366				
15,800.00	7,321.00	13,805.90	7,320.35	231.22	211.38	90.19	-2,466.00	-9,013.18	3,053.63	2,633.52	420.11	7.269				
15,900.00	7,321.00	13,964.20	7,308.59	233.60	215.55	89.97	-2,462.72	-9,171.00	3,056.08	2,627.01	429.07	7.123				
16,000.00	7,321.00	14,045.00	7,301.40	235.99	217.68	89.84	-2,461.81	-9,251.48	3,057.20	2,624.09	433.11	7.059				
16,100.00	7,321.00	14,251.99	7,282.35	238.39	223.14	89.48	-2,463.32	-9,457.57	3,056.45	2,611.62	444.82	6.871				
16,200.00	7,321.00	14,355.77	7,274.09	240.79	225.88	89.33	-2,465.96	-9,560.98	3,054.01	2,603.72	450.29	6.782				
16,300.00	7,321.00	14,431.95	7,266.53	243.21	227.89	89.18	-2,467.58	-9,636.77	3,052.03	2,597.91	454.11	6.721				
16,400.00	7,321.00	14,553.90	7,252.77	245.63	231.10	88.92	-2,470.10	-9,757.92	3,050.18	2,589.59	460.59	6.622				
16,500.00	7,321.00	14,689.83	7,237.27	248.06	234.68	88.63	-2,474.50	-9,892.88	3,047.16	2,579.33	467.82	6.513				
16,600.00	7,321.00	14,779.73	7,225.53	250.49	237.04	88.41	-2,477.85	-9,981.95	3,043.78	2,571.36	472.41	6.443				
16,700.00	7,321.00	14,882.21	7,212.08	252.93	239.74	88.15	-2,481.36	-10,083.48	3,040.76	2,563.06	477.70	6.365				
16,800.00	7,321.00	14,990.56	7,197.94	255.38	242.58	87.88	-2,485.42	-10,190.83	3,037.47	2,554.16	483.31	6.285				
16,900.00	7,321.00	15,076.58	7,188.23	257.84	244.86	87.70	-2,488.54	-10,276.24	3,034.28	2,546.58	487.70	6.222				
17,000.00	7,321.00	15,190.00	7,180.55	260.30	247.87	87.55	-2,493.46	-10,389.28	3,030.13	2,536.43	493.70	6.138				
17,100.00	7,321.00	15,285.00	7,176.65	262.76	250.40	87.47	-2,496.75	-10,484.13	3,026.87	2,528.18	498.70	6.070				
17,200.00	7,321.00	15,317.56	7,175.54	265.24	251.27	87.45	-2,497.10	-10,516.67	3,025.18	2,525.18	500.00	6.050				
17,300.00	7,321.00	15,431.60	7,172.02	267.72	254.32	87.38	-2,498.66	-10,630.64	3,023.98	2,517.82	506.16	5.974				
17,400.00	7,321.00	15,529.83	7,168.68	270.20	256.95	87.32	-2,500.32	-10,728.80	3,022.48	2,511.13	511.36	5.911				
17,500.00	7,321.00	15,605.00	7,165.71	272.69	258.96	87.26	-2,501.48	-10,803.90	3,021.24	2,506.10	515.14	5.865				
17,516.41	7,321.00	15,605.00	7,165.71	273.10	258.96	87.26	-2,501.48	-10,803.90	3,021.20	2,506.21	514.99	5.866				
17,600.00	7,321.00	15,605.00	7,165.71	275.18	258.96	87.26	-2,501.48	-10,803.90	3,022.36	2,508.34	514.01	5.880				
17,700.00	7,321.00	15,605.00	7,165.71	277.68	258.96	87.26	-2,501.48	-10,803.90	3,026.77	2,514.42	512.35	5.908				
17,800.00	7,321.00	15,605.00	7,165.71	280.19	258.96	87.26	-2,501.48	-10,803.90	3,034.53	2,524.35	510.18	5.948				
17,900.00	7,321.00	15,605.00	7,165.71	282.71	258.96	87.25	-2,501.48	-10,803.90	3,047.79	2,540.28	507.50	6.005				
18,000.00	7,321.00	15,605.00	7,165.71	285.26	258.96	87.23	-2,501.48	-10,803.90	3,067.67	2,563.30	504.37	6.082				
18,100.00	7,321.00	15,605.00	7,165.71	287.83	258.96	87.20	-2,501.48	-10,803.90	3,094.03	2,593.20	500.83	6.178				
18,200.00	7,321.00	15,605.00	7,165.71	290.41	258.96	87.17	-2,501.48	-10,803.90	3,126.66	2,629.73	496.94	6.292				
18,300.00	7,321.00	15,605.00	7,165.71	293.00	258.96	87.14	-2,501.48	-10,803.90	3,165.27	2,672.50	492.77	6.423				
18,400.00	7,321.00	15,605.00	7,165.71	295.59	258.96	87.14	-2,501.48	-10,803.90	3,207.49	2,719.16	488.33	6.568				
18,500.00	7,321.00	15,605.00	7,165.71	298.19	258.96	87.14	-2,501.48	-10,803.90	3,252.24	2,768.57	483.66	6.724				
18,600.00	7,321.00	15,605.00	7,165.71	300.78	258.96	87.14	-2,501.48	-10,803.90	3,299.41	2,820.62	478.79	6.891				
18,700.00	7,321.00	15,605.00	7,165.71	303.38	258.96	87.14	-2,501.48	-10,803.90	3,348.91	2,875.16	473.75	7.069				
18,800.00	7,321.00	15,605.00	7,165.71	305.98	258.96	87.14	-2,501.48	-10,803.90	3,400.62	2,932.06	468.56	7.258				
18,900.00	7,321.00	15,605.00	7,165.71	308.58	258.96	87.14	-2,501.48	-10,803.90	3,454.46	2,991.19	463.27	7.457				
19,000.00	7,321.00	15,605.00	7,165.71	311.18	258.96	87.14	-2,501.48	-10,803.90	3,510.32	3,052.42	457.90	7.666				
19,100.00	7,321.00	15,605.00	7,165.71	313.78	258.96	87.14	-2,501.48	-10,803.90	3,568.11	3,115.64	452.47	7.886				
19,200.00	7,321.00	15,605.00	7,165.71	316.39	258.96	87.14	-2,501.48	-10,803.90	3,627.74	3,180.73	447.01	8.116				
19,300.00	7,321.00	15,605.00	7,165.71	318.99	258.96	87.14	-2,501.48	-10,803.90	3,689.11	3,247.58	441.54	8.355				
19,400.00	7,321.00	15,605.00	7,165.71	321.60	258.96	87.14	-2,501.48	-10,803.90	3,752.15	3,316.08	436.06	8.605				
19,500.00	7,321.00	15,605.00	7,165.71	324.21	258.96	87.15	-2,501.48	-10,803.90	3,816.74	3,386.13	430.61	8.864				
19,600.00	7,321.00	15,605.00	7,165.71	326.81	258.96	87.23	-2,501.48	-10,803.90	3,881.24	3,456.15	425.09	9.130				
19,700.00	7,321.00	15,605.00	7,165.71	329.42	258.96	87.31	-2,501.48	-10,803.90	3,944.59	3,525.13	419.46	9.404				
19,800.00	7,321.00	15,605.00	7,165.71	332.01	258.96	87.38	-2,501.48	-10,803.90	4,006.76	3,593.04	413.71	9.685				
19,900.00	7,321.00	15,605.00	7,165.71	334.60	258.96	87.45	-2,501.48	-10,803.90	4,067.72	3,659.87	407.85	9.974				
20,000.00	7,321.00	15,605.00	7,165.71	337.16	258.96	87.52	-2,501.48	-10,803.90	4,127.48	3,725.60	401.88	10.270				
20,100.00	7,321.00	15,605.00	7,165.71	339.72	258.96	87.52	-2,501.48	-10,803.90	4,187.09	3,791.23	395.86	10.577				
20,200.00	7,321.00	15,605.00	7,165.71	342.28	258.96	87.52	-2,501.48	-10,803.90	4,248.20	3,858.31	389.88	10.896				

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 - PATT 901												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,300.00	7,321.00	15,605.00	7,165.71	344.84	258.96	87.52	-2,501.48	-10,803.90	4,310.76	3,926.79	383.97	11.227	
20,400.00	7,321.00	15,605.00	7,165.71	347.40	258.96	87.52	-2,501.48	-10,803.90	4,374.71	3,996.59	378.13	11.569	
20,500.00	7,321.00	15,605.00	7,165.71	349.97	258.96	87.52	-2,501.48	-10,803.90	4,440.00	4,067.64	372.36	11.924	
20,540.60	7,321.00	15,605.00	7,165.71	351.01	258.96	87.52	-2,501.48	-10,803.90	4,466.87	4,096.83	370.05	12.071	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	155.98	155.91	0.27	0.25	-167.99	-1,311.33	-278.92	1,342.39	1,341.87	0.51	2,622.739		
200.00	200.00	225.00	224.91	0.63	0.53	-168.00	-1,309.64	-278.36	1,339.40	1,338.25	1.15	1,160.902		
300.00	300.00	300.06	299.96	0.99	0.79	-168.00	-1,308.56	-278.10	1,337.84	1,336.06	1.78	752.270		
370.17	370.17	358.27	358.17	1.24	1.00	-167.99	-1,308.26	-278.27	1,337.53	1,335.30	2.23	599.196		
400.00	400.00	383.02	382.92	1.34	1.08	-167.99	-1,308.28	-278.43	1,337.59	1,335.16	2.42	551.747		
500.00	499.98	470.97	470.87	1.69	1.38	-18.58	-1,308.94	-279.16	1,336.83	1,333.76	3.07	435.882		
600.00	599.84	563.64	563.53	2.03	1.70	-18.64	-1,310.27	-279.93	1,333.45	1,329.73	3.72	358.231		
700.00	699.45	677.60	677.46	2.38	2.09	-18.79	-1,311.85	-281.20	1,326.81	1,322.34	4.47	296.913		
800.00	798.70	791.88	791.74	2.75	2.50	-19.04	-1,311.88	-281.62	1,315.36	1,310.13	5.23	251.613		
900.00	897.47	881.82	881.68	3.15	2.81	-19.31	-1,311.65	-282.41	1,300.50	1,294.59	5.91	220.138		
1,000.00	995.62	965.87	965.71	3.58	3.11	-19.60	-1,312.04	-283.96	1,283.28	1,276.71	6.57	195.186		
1,100.00	1,093.06	1,046.18	1,045.96	4.04	3.40	-19.89	-1,313.15	-286.83	1,264.07	1,256.83	7.24	174.654		
1,200.00	1,189.64	1,125.79	1,125.41	4.54	3.69	-20.17	-1,315.06	-291.56	1,243.08	1,235.17	7.91	157.174		
1,300.00	1,285.27	1,202.98	1,202.35	5.08	3.97	-20.48	-1,317.88	-297.00	1,220.33	1,211.74	8.58	142.159		
1,400.00	1,379.82	1,272.00	1,271.00	5.67	4.23	-20.77	-1,321.45	-303.18	1,196.24	1,187.00	9.24	129.433		
1,500.00	1,473.17	1,349.40	1,347.71	6.30	4.52	-21.06	-1,326.62	-312.12	1,170.90	1,160.95	9.95	117.658		
1,600.00	1,565.21	1,426.46	1,423.70	6.99	4.83	-21.32	-1,332.83	-323.22	1,144.21	1,133.53	10.68	107.124		
1,700.00	1,655.84	1,515.35	1,511.04	7.73	5.19	-21.60	-1,340.88	-337.65	1,115.66	1,104.18	11.48	97.176		
1,800.00	1,744.94	1,626.58	1,620.40	8.52	5.66	-22.01	-1,350.47	-355.54	1,083.64	1,071.24	12.40	87.415		
1,900.00	1,832.39	1,720.05	1,711.81	9.37	6.08	-22.30	-1,356.54	-374.02	1,047.24	1,033.97	13.27	78.914		
2,000.00	1,918.11	1,787.45	1,776.83	10.27	6.40	-22.44	-1,360.96	-391.18	1,009.04	994.97	14.07	71.715		
2,100.00	2,001.97	1,859.00	1,845.20	11.22	6.77	-22.56	-1,368.44	-410.87	971.38	956.46	14.92	65.120		
2,200.00	2,083.88	1,905.93	1,889.75	12.23	7.02	-22.78	-1,374.88	-424.15	933.51	917.83	15.68	59.521		
2,300.00	2,163.74	1,979.78	1,959.50	13.29	7.44	-22.99	-1,386.40	-445.50	895.21	878.61	16.60	53.930		
2,400.00	2,241.45	2,060.30	2,034.93	14.40	7.92	-23.18	-1,399.74	-470.32	855.28	837.70	17.58	48.650		
2,500.00	2,316.92	2,133.56	2,102.62	15.57	8.39	-23.30	-1,412.64	-495.19	814.04	795.48	18.56	43.861		
2,600.00	2,390.05	2,217.51	2,178.66	16.78	8.99	-23.16	-1,427.83	-527.32	771.33	751.70	19.63	39.297		
2,700.00	2,460.76	2,291.29	2,243.92	18.05	9.57	-22.82	-1,441.01	-559.09	726.84	706.18	20.66	35.176		
2,800.00	2,528.95	2,358.19	2,301.83	19.37	10.13	-22.37	-1,454.09	-589.93	681.95	660.28	21.67	31.471		
2,900.00	2,595.08	2,431.00	2,363.27	20.72	10.79	-21.42	-1,470.62	-625.30	638.36	615.66	22.70	28.127		
3,000.00	2,661.04	2,512.41	2,431.52	22.08	11.57	-20.09	-1,490.56	-664.95	596.62	572.88	23.74	25.131		
3,100.00	2,726.99	2,593.19	2,499.36	23.46	12.36	-18.64	-1,510.52	-704.00	555.44	530.70	24.74	22.449		
3,200.00	2,792.94	2,683.93	2,574.50	24.84	13.28	-16.60	-1,533.53	-749.37	515.95	490.24	25.70	20.073		
3,300.00	2,858.90	2,767.66	2,644.50	26.22	14.15	-14.61	-1,555.12	-789.91	476.83	450.26	26.57	17.947		
3,400.00	2,924.85	2,850.57	2,712.92	27.61	15.02	-12.34	-1,578.17	-830.67	440.52	413.20	27.32	16.124		
3,500.00	2,990.81	2,944.95	2,790.77	29.00	16.02	-9.42	-1,605.18	-876.67	405.67	377.61	28.05	14.461		
3,600.00	3,056.76	3,047.50	2,877.26	30.40	17.08	-6.11	-1,634.20	-923.51	369.83	341.03	28.80	12.840		
3,700.00	3,122.71	3,151.53	2,967.15	31.80	18.10	-2.39	-1,662.12	-967.77	331.99	302.44	29.55	11.235		
3,800.00	3,188.67	3,244.00	3,047.62	33.20	19.01	2.51	-1,682.64	-1,008.44	292.54	262.30	30.24	9.674		
3,900.00	3,254.62	3,325.93	3,117.47	34.60	19.86	9.01	-1,698.45	-1,048.21	256.77	225.60	31.17	8.239		
4,000.00	3,320.58	3,411.41	3,189.18	36.01	20.78	17.50	-1,715.84	-1,091.35	228.11	194.99	33.11	6.888		
4,100.00	3,386.53	3,504.97	3,268.90	37.41	21.77	28.46	-1,734.79	-1,136.50	204.55	167.40	37.15	5.507		
4,200.00	3,452.48	3,588.90	3,340.29	38.82	22.66	39.85	-1,751.91	-1,177.17	190.65	147.64	43.01	4.433		
4,257.46	3,490.38	3,637.76	3,381.47	39.63	23.19	46.84	-1,762.12	-1,201.40	188.47	141.34	47.13	3.999 CC		
4,300.00	3,518.44	3,674.38	3,412.17	40.23	23.59	52.06	-1,769.90	-1,219.79	189.66	139.37	50.29	3.771 ES		
4,400.00	3,584.39	3,771.65	3,494.74	41.64	24.64	65.37	-1,790.95	-1,266.68	198.41	140.41	57.99	3.421		
4,500.00	3,650.35	3,856.72	3,567.55	43.05	25.53	75.92	-1,809.30	-1,306.67	216.06	152.83	63.23	3.417 SF		
4,600.00	3,716.30	3,938.88	3,636.96	44.46	26.43	84.42	-1,826.79	-1,346.99	243.34	176.78	66.56	3.656		
4,700.00	3,782.25	4,025.20	3,708.63	45.88	27.41	91.33	-1,845.35	-1,391.37	277.48	208.36	69.12	4.015		
4,800.00	3,848.21	4,114.92	3,782.56	47.29	28.45	96.82	-1,865.28	-1,438.12	314.88	243.51	71.37	4.412		
4,900.00	3,914.16	4,205.42	3,856.91	48.71	29.51	101.13	-1,886.11	-1,485.35	353.87	280.46	73.41	4.821		
5,000.00	3,980.12	4,296.81	3,932.05	50.12	30.58	104.65	-1,907.44	-1,532.78	393.89	318.53	75.35	5.227		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	4,046.07	4,390.78	4,009.72	51.54	31.65	107.70	-1,929.74	-1,580.73	434.20	356.89	77.31	5.616		
5,200.00	4,112.02	4,487.75	4,092.15	52.95	32.70	110.82	-1,952.11	-1,626.63	474.23	395.09	79.14	5.992		
5,300.00	4,177.98	4,578.09	4,171.31	54.37	33.61	113.83	-1,972.16	-1,665.26	514.04	433.64	80.40	6.393		
5,400.00	4,243.93	4,660.64	4,242.72	55.79	34.46	115.99	-1,990.73	-1,702.27	555.39	473.94	81.45	6.819		
5,500.00	4,309.89	4,743.28	4,312.61	57.21	35.35	117.56	-2,009.27	-1,742.27	598.61	515.92	82.69	7.239		
5,600.00	4,375.84	4,834.82	4,391.03	58.63	36.33	119.26	-2,029.29	-1,785.03	642.19	557.95	84.24	7.623		
5,700.00	4,441.79	4,919.32	4,463.44	60.05	37.23	120.64	-2,047.57	-1,824.55	686.36	600.83	85.53	8.025		
5,800.00	4,507.75	5,011.05	4,540.64	61.47	38.26	121.73	-2,068.09	-1,869.64	730.86	643.58	87.28	8.374		
5,900.00	4,573.70	5,106.75	4,621.00	62.89	39.31	122.71	-2,090.11	-1,916.68	774.97	685.79	89.18	8.690		
6,000.00	4,639.66	5,198.26	4,699.51	64.31	40.30	123.79	-2,111.00	-1,958.80	818.65	727.88	90.77	9.019		
6,100.00	4,705.61	5,282.65	4,770.59	65.73	41.24	124.51	-2,130.76	-1,999.76	862.58	770.30	92.28	9.347		
6,200.00	4,771.56	5,367.46	4,841.02	67.15	42.21	125.02	-2,150.43	-2,042.70	907.25	813.32	93.93	9.659		
6,300.00	4,837.52	5,461.91	4,919.98	68.57	43.29	125.60	-2,172.09	-2,089.79	952.06	856.16	95.90	9.928		
6,400.00	4,903.47	5,558.45	5,000.49	69.99	44.38	126.13	-2,195.20	-2,137.80	996.01	898.08	97.93	10.171		
6,500.00	4,969.43	5,649.73	5,077.89	71.41	45.38	126.73	-2,216.82	-2,181.06	1,039.80	940.14	99.66	10.434		
6,600.00	5,035.38	5,748.49	5,162.68	72.83	46.43	127.46	-2,240.24	-2,225.99	1,083.34	981.84	101.50	10.673		
6,700.00	5,101.33	5,832.72	5,235.43	74.25	47.30	128.09	-2,260.70	-2,263.18	1,126.25	1,023.37	102.88	10.947		
6,800.00	5,167.29	5,892.00	5,286.40	75.67	47.92	128.46	-2,274.25	-2,290.23	1,170.86	1,067.28	103.59	11.303		
6,900.00	5,233.24	5,970.08	5,353.55	77.10	48.75	128.91	-2,290.87	-2,326.45	1,217.00	1,112.12	104.88	11.604		
7,000.00	5,299.20	6,037.85	5,412.12	78.52	49.45	129.30	-2,304.26	-2,357.80	1,264.50	1,158.66	105.84	11.947		
7,100.00	5,365.15	6,116.43	5,480.12	79.94	50.28	129.72	-2,318.62	-2,394.46	1,313.37	1,206.21	107.16	12.256		
7,200.00	5,431.10	6,207.64	5,557.89	81.36	51.27	130.07	-2,336.10	-2,438.78	1,361.78	1,252.78	108.99	12.494		
7,300.00	5,497.06	6,275.00	5,614.61	82.79	52.02	130.24	-2,348.52	-2,472.92	1,411.10	1,300.96	110.15	12.811		
7,400.00	5,563.01	6,455.89	5,766.65	84.21	54.07	130.68	-2,387.50	-2,562.76	1,457.05	1,342.20	114.85	12.687		
7,500.00	5,628.97	6,541.42	5,838.58	85.63	55.02	130.90	-2,408.01	-2,604.24	1,501.27	1,384.72	116.55	12.881		
7,600.00	5,694.92	6,640.52	5,922.49	87.06	56.12	131.18	-2,431.58	-2,651.41	1,545.59	1,427.01	118.59	13.033		
7,700.00	5,760.87	6,733.60	6,000.65	88.48	57.16	131.39	-2,454.39	-2,696.51	1,589.37	1,468.86	120.51	13.189		
7,800.00	5,826.83	6,869.61	6,115.77	89.90	58.66	131.76	-2,489.16	-2,760.00	1,632.07	1,508.65	123.42	13.224		
7,900.00	5,892.78	6,944.00	6,178.20	91.33	59.48	131.94	-2,509.92	-2,794.73	1,672.79	1,547.98	124.81	13.402		
8,000.00	5,958.74	7,011.95	6,235.01	92.75	60.24	132.07	-2,528.19	-2,827.21	1,714.65	1,588.57	126.08	13.600		
8,100.00	6,024.69	7,061.68	6,277.16	94.17	60.78	132.18	-2,539.96	-2,850.81	1,759.09	1,632.28	126.81	13.872		
8,200.00	6,090.64	7,134.00	6,339.09	95.60	61.56	132.37	-2,555.48	-2,884.78	1,805.43	1,677.33	128.09	14.095		
8,300.00	6,156.60	7,243.29	6,432.89	97.02	62.73	132.65	-2,579.00	-2,935.70	1,851.97	1,721.63	130.33	14.209		
8,400.00	6,222.55	7,336.33	6,511.92	98.45	63.74	132.83	-2,600.38	-2,979.89	1,897.14	1,764.93	132.21	14.349		
8,500.00	6,288.51	7,405.15	6,570.58	99.87	64.49	132.97	-2,615.90	-3,012.36	1,942.69	1,809.26	133.44	14.559		
8,600.00	6,354.46	7,465.55	6,622.43	101.29	65.14	133.11	-2,628.79	-3,040.54	1,989.31	1,854.90	134.41	14.800		
8,700.00	6,420.41	7,531.21	6,678.50	102.72	65.86	133.23	-2,641.88	-3,072.09	2,037.24	1,901.69	135.56	15.029		
8,800.00	6,486.37	7,637.76	6,767.48	104.14	67.10	133.29	-2,663.78	-3,126.43	2,084.86	1,946.81	138.05	15.102		
8,900.00	6,552.32	7,707.00	6,821.50	105.57	68.00	133.12	-2,678.33	-3,167.18	2,132.63	1,992.90	139.73	15.262		
9,000.00	6,618.28	7,761.64	6,860.94	106.99	68.84	132.84	-2,689.41	-3,203.30	2,181.49	2,040.30	141.19	15.451		
9,100.00	6,684.23	7,802.00	6,888.02	108.42	69.46	132.55	-2,697.10	-3,232.21	2,231.87	2,089.75	142.12	15.704		
9,200.00	6,750.18	7,859.69	6,923.33	109.84	70.47	132.02	-2,707.36	-3,276.64	2,283.67	2,139.67	144.00	15.858		
9,300.00	6,816.14	7,898.00	6,944.34	111.26	71.15	131.59	-2,713.69	-3,308.03	2,337.07	2,192.08	144.99	16.119		
9,400.00	6,882.09	7,942.79	6,966.88	112.69	72.01	131.04	-2,720.49	-3,346.13	2,392.11	2,245.73	146.38	16.342		
9,500.00	6,948.05	7,993.00	6,990.06	114.11	72.98	130.37	-2,727.23	-3,390.15	2,448.94	2,300.89	148.05	16.541		
9,600.00	7,014.00	7,993.00	6,990.06	115.54	72.98	130.37	-2,727.23	-3,390.15	2,507.48	2,360.54	146.94	17.065		
9,700.00	7,079.88	8,048.98	7,012.75	116.97	74.11	127.02	-2,733.74	-3,440.89	2,567.24	2,418.27	148.97	17.234		
9,800.00	7,142.10	8,089.00	7,026.58	118.48	74.92	113.68	-2,737.79	-3,478.22	2,623.89	2,473.97	149.92	17.502		
9,900.00	7,197.32	8,130.36	7,039.58	120.08	75.78	103.34	-2,741.49	-3,517.32	2,673.30	2,522.52	150.78	17.729		
10,000.00	7,243.87	8,184.00	7,055.72	121.71	76.91	95.66	-2,745.65	-3,568.30	2,713.88	2,561.64	152.24	17.827		
10,100.00	7,280.34	8,221.02	7,065.27	123.32	77.69	90.37	-2,748.03	-3,603.98	2,744.67	2,592.04	152.62	17.983		
10,200.00	7,305.62	8,280.00	7,075.07	124.84	78.95	86.99	-2,750.82	-3,662.03	2,765.31	2,611.00	154.31	17.921		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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		
10,300.00	7,318.93	8,280.00	7,075.07	126.22	78.95	85.39	-2,750.82	-3,662.03	2,775.02	2,622.71	152.30	18.220		
10,400.00	7,321.00	8,375.00	7,082.01	127.44	80.99	85.31	-2,752.68	-3,756.74	2,774.67	2,618.36	156.31	17.751		
10,500.00	7,321.00	8,450.23	7,083.08	128.66	82.61	85.33	-2,753.42	-3,831.95	2,773.37	2,614.29	159.08	17.434		
10,600.00	7,321.00	8,567.06	7,080.03	129.91	85.15	85.26	-2,756.05	-3,948.70	2,771.35	2,606.87	164.49	16.849		
10,700.00	7,321.00	8,621.25	7,078.19	131.19	86.34	85.22	-2,756.96	-4,002.86	2,769.98	2,604.02	165.96	16.691		
10,733.30	7,321.00	8,639.48	7,077.63	131.63	86.75	85.21	-2,757.06	-4,021.08	2,769.88	2,603.42	166.46	16.640		
10,800.00	7,321.00	8,687.82	7,076.20	132.51	87.82	85.18	-2,756.96	-4,069.40	2,770.18	2,601.95	168.23	16.466		
10,900.00	7,321.00	8,777.63	7,072.69	133.87	89.81	85.11	-2,756.63	-4,159.13	2,770.91	2,598.87	172.04	16.106		
11,000.00	7,321.00	8,852.00	7,071.43	135.26	91.48	85.08	-2,755.58	-4,233.48	2,772.47	2,597.58	174.89	15.852		
11,100.00	7,321.00	8,956.01	7,070.73	136.68	93.83	85.07	-2,753.54	-4,337.46	2,774.52	2,594.75	179.77	15.434		
11,200.00	7,321.00	9,121.93	7,067.83	138.14	97.66	85.01	-2,753.32	-4,503.36	2,774.63	2,585.85	188.78	14.698		
11,300.00	7,321.00	9,224.07	7,068.24	139.63	100.05	85.02	-2,753.99	-4,605.49	2,773.97	2,580.33	193.64	14.325		
11,400.00	7,321.00	9,329.00	7,067.53	141.15	102.53	85.00	-2,755.18	-4,710.41	2,772.91	2,574.20	198.71	13.955		
11,500.00	7,321.00	9,425.00	7,066.14	142.70	104.82	84.97	-2,756.01	-4,806.40	2,772.21	2,569.00	203.21	13.642		
11,600.00	7,321.00	9,519.09	7,064.20	144.29	107.07	84.93	-2,756.38	-4,900.47	2,772.00	2,564.39	207.61	13.352		
11,700.00	7,321.00	9,636.68	7,064.98	145.91	109.91	84.95	-2,757.46	-5,018.03	2,771.03	2,557.39	213.64	12.971		
11,800.00	7,321.00	9,715.29	7,066.52	147.55	111.82	84.98	-2,757.91	-5,096.62	2,770.32	2,553.22	217.10	12.760		
11,900.00	7,321.00	9,812.76	7,067.44	149.23	114.20	85.00	-2,758.06	-5,194.09	2,770.10	2,548.26	221.85	12.487		
12,000.00	7,321.00	9,982.45	7,066.71	150.93	118.37	84.98	-2,761.43	-5,363.73	2,767.90	2,536.50	231.40	11.961		
12,100.00	7,321.00	10,057.59	7,065.04	152.67	120.23	84.94	-2,763.44	-5,438.83	2,765.50	2,530.82	234.68	11.784		
12,200.00	7,321.00	10,143.12	7,062.47	154.43	122.35	84.88	-2,764.90	-5,524.30	2,764.06	2,525.42	238.64	11.582		
12,300.00	7,321.00	10,242.28	7,062.15	156.22	124.82	84.87	-2,766.31	-5,623.46	2,762.70	2,519.13	243.57	11.343		
12,400.00	7,321.00	10,330.54	7,060.87	158.04	127.02	84.84	-2,767.48	-5,711.70	2,761.55	2,513.79	247.76	11.146		
12,491.58	7,321.00	10,381.00	7,059.61	159.72	128.28	84.82	-2,767.96	-5,762.14	2,761.15	2,511.61	249.54	11.065		
12,500.00	7,321.00	10,402.41	7,059.08	159.88	128.82	84.81	-2,768.05	-5,783.54	2,761.07	2,510.22	250.85	11.007		
12,600.00	7,321.00	10,476.00	7,058.67	161.75	130.66	84.80	-2,767.20	-5,857.12	2,762.13	2,508.07	254.07	10.872		
12,700.00	7,321.00	10,542.33	7,058.86	163.64	132.32	84.81	-2,765.66	-5,923.43	2,764.24	2,507.46	256.78	10.765		
12,800.00	7,321.00	10,629.51	7,057.88	165.56	134.51	84.79	-2,763.62	-6,010.58	2,766.72	2,505.78	260.94	10.603		
12,900.00	7,321.00	10,807.64	7,058.20	167.49	139.01	84.80	-2,761.09	-6,188.65	2,768.18	2,496.73	271.46	10.198		
13,000.00	7,321.00	10,946.63	7,061.87	169.46	142.55	84.88	-2,761.46	-6,327.59	2,767.82	2,488.58	279.24	9.912		
13,100.00	7,321.00	11,023.73	7,063.25	171.44	144.52	84.90	-2,762.24	-6,404.67	2,766.71	2,483.88	282.83	9.782		
13,159.10	7,321.00	11,065.52	7,063.53	172.62	145.59	84.91	-2,762.36	-6,446.46	2,766.52	2,481.83	284.68	9.718		
13,200.00	7,321.00	11,093.20	7,063.51	173.45	146.29	84.91	-2,762.31	-6,474.14	2,766.61	2,480.74	285.87	9.678		
13,300.00	7,321.00	11,169.58	7,062.53	175.47	148.25	84.89	-2,761.60	-6,550.50	2,767.64	2,478.28	289.36	9.565		
13,400.00	7,321.00	11,384.14	7,062.47	177.52	153.76	84.89	-2,763.43	-6,764.96	2,766.73	2,464.49	302.25	9.154		
13,500.00	7,321.00	11,464.13	7,063.94	179.58	155.83	84.91	-2,765.15	-6,844.91	2,764.42	2,458.32	306.10	9.031		
13,600.00	7,321.00	11,554.94	7,063.63	181.67	158.17	84.90	-2,767.08	-6,935.70	2,762.37	2,451.73	310.64	8.893		
13,700.00	7,321.00	11,636.50	7,061.71	183.77	160.28	84.86	-2,768.27	-7,017.23	2,761.12	2,446.58	314.54	8.778		
13,800.00	7,321.00	11,782.08	7,063.86	185.89	164.06	84.90	-2,771.52	-7,162.74	2,758.60	2,435.81	322.79	8.546		
13,900.00	7,321.00	11,884.88	7,066.49	188.02	166.74	84.95	-2,774.14	-7,265.47	2,755.87	2,427.68	328.19	8.397		
14,000.00	7,321.00	12,005.00	7,069.76	190.18	169.87	85.01	-2,778.33	-7,385.47	2,752.08	2,417.34	334.74	8.222		
14,100.00	7,321.00	12,056.67	7,070.87	192.35	171.22	85.03	-2,779.99	-7,437.09	2,749.05	2,412.27	336.78	8.163		
14,193.89	7,321.00	12,101.00	7,071.19	194.40	172.38	85.04	-2,780.19	-7,481.42	2,748.39	2,410.07	338.32	8.124		
14,200.00	7,321.00	12,101.00	7,071.19	194.53	172.38	85.04	-2,780.19	-7,481.42	2,748.40	2,410.18	338.21	8.126		
14,300.00	7,321.00	12,319.75	7,071.34	196.73	178.09	85.03	-2,786.04	-7,700.06	2,744.92	2,393.59	351.33	7.813		
14,400.00	7,321.00	12,386.00	7,070.17	198.95	179.83	85.00	-2,788.67	-7,766.25	2,741.24	2,386.90	354.34	7.736		
14,500.00	7,321.00	12,481.00	7,069.56	201.17	182.32	84.98	-2,791.45	-7,861.20	2,738.41	2,379.18	359.23	7.623		
14,600.00	7,321.00	12,523.95	7,070.04	203.42	183.44	84.99	-2,792.04	-7,904.15	2,736.86	2,376.21	360.64	7.589		
14,633.00	7,321.00	12,540.22	7,070.22	204.16	183.87	84.99	-2,792.08	-7,920.41	2,736.76	2,375.53	361.23	7.576		
14,700.00	7,321.00	12,577.00	7,070.61	205.67	184.83	85.00	-2,791.80	-7,957.19	2,737.18	2,374.54	362.64	7.548		
14,800.00	7,321.00	12,629.84	7,071.30	207.94	186.21	85.02	-2,790.64	-8,010.01	2,739.22	2,374.68	364.53	7.514		
14,900.00	7,321.00	12,708.83	7,072.71	210.22	188.28	85.05	-2,787.70	-8,088.93	2,742.72	2,374.43	368.29	7.447		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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						
15,000.00	7,321.00	12,853.20	7,074.91	212.51	192.06	85.11	-2,783.94	-8,233.23	2,745.09	2,368.28	376.81	7.285						
15,100.00	7,321.00	12,935.04	7,076.64	214.81	194.21	85.15	-2,782.32	-8,315.04	2,746.99	2,366.18	380.81	7.214						
15,200.00	7,321.00	13,037.35	7,078.68	217.12	196.90	85.19	-2,779.24	-8,417.28	2,749.86	2,363.57	386.29	7.119						
15,300.00	7,321.00	13,162.10	7,081.67	219.45	200.18	85.26	-2,776.55	-8,541.97	2,751.81	2,358.42	393.39	6.995						
15,400.00	7,321.00	13,243.00	7,081.77	221.78	202.31	85.27	-2,774.83	-8,622.84	2,753.92	2,356.60	397.32	6.931						
15,500.00	7,321.00	13,392.95	7,076.71	224.13	206.26	85.16	-2,773.07	-8,772.69	2,755.42	2,349.38	406.04	6.786						
15,600.00	7,321.00	13,500.54	7,071.50	226.48	209.10	85.06	-2,773.30	-8,880.15	2,755.64	2,343.89	411.75	6.692						
15,700.00	7,321.00	13,637.75	7,063.37	228.85	212.71	84.89	-2,774.47	-9,017.11	2,755.37	2,335.97	419.41	6.570						
15,800.00	7,321.00	13,735.28	7,056.29	231.22	215.28	84.74	-2,776.13	-9,114.37	2,754.36	2,329.98	424.38	6.490						
15,900.00	7,321.00	13,816.00	7,050.92	233.60	217.41	84.62	-2,777.48	-9,194.90	2,753.42	2,325.17	428.25	6.429						
15,942.00	7,321.00	13,850.59	7,048.77	234.60	218.32	84.58	-2,777.87	-9,229.42	2,753.23	2,323.30	429.93	6.404						
16,000.00	7,321.00	13,882.17	7,046.59	235.99	219.16	84.53	-2,777.94	-9,260.92	2,753.51	2,322.39	431.12	6.387						
16,100.00	7,321.00	14,102.00	7,030.94	238.39	224.96	84.20	-2,783.29	-9,480.08	2,751.21	2,307.16	444.06	6.196						
16,200.00	7,321.00	14,197.00	7,023.12	240.79	227.47	84.03	-2,787.27	-9,574.67	2,747.91	2,299.07	448.84	6.122						
16,300.00	7,321.00	14,328.42	7,011.05	243.21	230.94	83.76	-2,793.27	-9,705.40	2,744.41	2,288.61	455.80	6.021						
16,400.00	7,321.00	14,410.88	7,005.16	245.63	233.12	83.63	-2,797.47	-9,787.53	2,740.21	2,280.37	459.84	5.959						
16,500.00	7,321.00	14,483.00	6,999.63	248.06	235.03	83.51	-2,799.94	-9,859.40	2,737.51	2,274.29	463.21	5.910						
16,600.00	7,321.00	14,536.68	6,994.94	250.49	236.45	83.41	-2,801.12	-9,912.86	2,736.05	2,270.72	465.33	5.880						
16,700.00	7,321.00	14,677.88	6,981.23	252.93	240.17	83.11	-2,804.58	-10,053.34	2,734.95	2,261.96	472.98	5.782						
16,800.00	7,321.00	14,769.00	6,971.30	255.38	242.58	82.90	-2,808.09	-10,143.86	2,732.49	2,255.08	477.41	5.724						
16,900.00	7,321.00	14,833.95	6,964.35	257.84	244.29	82.75	-2,810.08	-10,208.40	2,730.90	2,250.73	480.17	5.687						
17,000.00	7,321.00	14,988.65	6,949.83	260.30	248.38	82.44	-2,814.12	-10,362.36	2,729.76	2,241.10	488.65	5.586						
17,100.00	7,321.00	15,080.67	6,943.40	262.76	250.83	82.29	-2,817.60	-10,454.09	2,726.98	2,233.74	493.23	5.529						
17,200.00	7,321.00	15,151.00	6,938.45	265.24	252.70	82.18	-2,819.54	-10,524.21	2,725.18	2,228.75	496.43	5.490						
17,300.00	7,321.00	15,253.73	6,929.57	267.72	255.42	81.99	-2,822.10	-10,626.52	2,723.93	2,222.30	501.63	5.430						
17,400.00	7,321.00	15,440.27	6,908.30	270.20	260.34	81.52	-2,830.52	-10,811.63	2,721.24	2,209.52	511.72	5.318						
17,500.00	7,321.00	15,444.00	6,907.84	272.69	260.44	81.51	-2,830.76	-10,815.32	2,718.38	2,207.58	510.80	5.322						
17,527.92	7,321.00	15,444.00	6,907.84	273.38	260.44	81.51	-2,830.76	-10,815.32	2,718.24	2,207.87	510.37	5.326						
17,600.00	7,321.00	15,444.00	6,907.84	275.18	260.44	81.51	-2,830.76	-10,815.32	2,719.19	2,210.18	509.01	5.342						
17,700.00	7,321.00	15,444.00	6,907.84	277.68	260.44	81.51	-2,830.76	-10,815.32	2,723.68	2,217.11	506.57	5.377						
17,800.00	7,321.00	15,444.00	6,907.84	280.19	260.44	81.51	-2,830.76	-10,815.32	2,731.87	2,228.36	503.50	5.426						
17,900.00	7,321.00	15,444.00	6,907.84	282.71	260.44	81.47	-2,830.76	-10,815.32	2,745.89	2,246.04	499.85	5.493						
18,000.00	7,321.00	15,444.00	6,907.84	285.26	260.44	81.40	-2,830.76	-10,815.32	2,766.84	2,271.17	495.67	5.582						
18,100.00	7,321.00	15,444.00	6,907.84	287.83	260.44	81.32	-2,830.76	-10,815.32	2,794.53	2,303.49	491.04	5.691						
18,200.00	7,321.00	15,444.00	6,907.84	290.41	260.44	81.21	-2,830.76	-10,815.32	2,828.74	2,342.70	486.04	5.820						
18,300.00	7,321.00	15,444.00	6,907.84	293.00	260.44	81.10	-2,830.76	-10,815.32	2,869.10	2,388.34	480.76	5.968						
18,400.00	7,321.00	15,444.00	6,907.84	295.59	260.44	81.10	-2,830.76	-10,815.32	2,913.29	2,438.07	475.22	6.130						
18,500.00	7,321.00	15,444.00	6,907.84	298.19	260.44	81.10	-2,830.76	-10,815.32	2,960.19	2,490.75	469.44	6.306						
18,600.00	7,321.00	15,444.00	6,907.84	300.78	260.44	81.10	-2,830.76	-10,815.32	3,009.69	2,546.22	463.46	6.494						
18,700.00	7,321.00	15,444.00	6,907.84	303.38	260.44	81.10	-2,830.76	-10,815.32	3,061.65	2,604.31	457.34	6.694						
18,800.00	7,321.00	15,444.00	6,907.84	305.98	260.44	81.10	-2,830.76	-10,815.32	3,115.96	2,664.84	451.11	6.907						
18,900.00	7,321.00	15,444.00	6,907.84	308.58	260.44	81.10	-2,830.76	-10,815.32	3,172.49	2,727.67	444.81	7.132						
19,000.00	7,321.00	15,444.00	6,907.84	311.18	260.44	81.10	-2,830.76	-10,815.32	3,231.12	2,792.65	438.47	7.369						
19,100.00	7,321.00	15,444.00	6,907.84	313.78	260.44	81.10	-2,830.76	-10,815.32	3,291.75	2,859.64	432.11	7.618						
19,200.00	7,321.00	15,444.00	6,907.84	316.39	260.44	81.10	-2,830.76	-10,815.32	3,354.27	2,928.50	425.77	7.878						
19,300.00	7,321.00	15,444.00	6,907.84	318.99	260.44	81.10	-2,830.76	-10,815.32	3,418.57	2,999.10	419.47	8.150						
19,400.00	7,321.00	15,444.00	6,907.84	321.60	260.44	81.10	-2,830.76	-10,815.32	3,484.55	3,071.33	413.22	8.433						
19,500.00	7,321.00	15,444.00	6,907.84	324.21	260.44	81.13	-2,830.76	-10,815.32	3,552.11	3,145.06	407.04	8.727						
19,600.00	7,321.00	15,444.00	6,907.84	326.81	260.44	81.41	-2,830.76	-10,815.32	3,619.64	3,218.82	400.82	9.030						
19,700.00	7,321.00	15,444.00	6,907.84	329.42	260.44	81.67	-2,830.76	-10,815.32	3,686.14	3,291.64	394.50	9.344						
19,800.00	7,321.00	15,444.00	6,907.84	332.01	260.44	81.92	-2,830.76	-10,815.32	3,751.57	3,363.51	388.06	9.668						
19,900.00	7,321.00	15,444.00	6,907.84	334.60	260.44	82.15	-2,830.76	-10,815.32	3,815.92	3,434.40	381.52	10.002						

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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	
20,000.00	7,321.00	15,444.00	6,907.84	337.16	260.44	82.37	-2,830.76	-10,815.32	3,879.15	3,504.28	374.87	10.348	
20,100.00	7,321.00	15,444.00	6,907.84	339.72	260.44	82.40	-2,830.76	-10,815.32	3,942.31	3,574.11	368.20	10.707	
20,200.00	7,321.00	15,444.00	6,907.84	342.28	260.44	82.40	-2,830.76	-10,815.32	4,006.95	3,645.32	361.63	11.080	
20,300.00	7,321.00	15,444.00	6,907.84	344.84	260.44	82.40	-2,830.76	-10,815.32	4,073.02	3,717.84	355.17	11.468	
20,400.00	7,321.00	15,444.00	6,907.84	347.40	260.44	82.40	-2,830.76	-10,815.32	4,140.45	3,791.62	348.83	11.869	
20,500.00	7,321.00	15,444.00	6,907.84	349.97	260.44	82.40	-2,830.76	-10,815.32	4,209.18	3,866.56	342.61	12.285	
20,540.60	7,321.00	15,444.00	6,907.84	351.01	260.44	82.40	-2,830.76	-10,815.32	4,237.44	3,897.31	340.13	12.458	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	86.84	86.84	0.27	0.12	-168.94	-1,336.41	-261.12	1,361.68	1,361.29	0.39	3,489.437		
200.00	200.00	189.19	189.18	0.63	0.39	-169.00	-1,336.72	-259.80	1,361.74	1,360.72	1.02	1,334.109		
300.00	300.00	301.75	301.74	0.99	0.79	-169.01	-1,336.26	-259.43	1,361.28	1,359.50	1.78	766.055		
400.00	400.00	401.08	401.06	1.34	1.14	-169.01	-1,335.17	-259.40	1,360.20	1,357.71	2.48	547.584		
500.00	499.98	500.67	500.65	1.69	1.49	-19.65	-1,334.31	-258.99	1,357.63	1,354.44	3.18	426.631		
600.00	599.84	588.95	588.92	2.03	1.81	-19.78	-1,333.98	-258.13	1,352.15	1,348.32	3.84	352.580		
700.00	699.45	680.06	680.03	2.38	2.12	-19.98	-1,334.35	-257.47	1,344.22	1,339.72	4.50	298.751		
800.00	798.70	767.88	767.84	2.75	2.42	-20.20	-1,335.11	-257.93	1,333.71	1,328.56	5.15	258.834		
900.00	897.47	857.29	857.23	3.15	2.73	-20.43	-1,336.42	-259.78	1,320.81	1,314.99	5.82	227.010		
1,000.00	995.62	942.41	942.28	3.58	3.02	-20.70	-1,338.20	-262.19	1,305.46	1,298.98	6.48	201.487		
1,100.00	1,093.06	1,024.54	1,024.24	4.04	3.30	-20.93	-1,340.50	-267.01	1,288.10	1,280.96	7.14	180.366		
1,200.00	1,189.64	1,104.56	1,103.91	4.54	3.59	-21.12	-1,343.37	-273.93	1,268.78	1,260.97	7.81	162.448		
1,300.00	1,285.27	1,179.99	1,178.77	5.08	3.86	-21.29	-1,347.04	-282.33	1,247.94	1,239.46	8.48	147.200		
1,400.00	1,379.82	1,272.00	1,269.91	5.67	4.21	-21.49	-1,352.33	-293.84	1,225.01	1,215.78	9.23	132.739		
1,500.00	1,473.17	1,333.23	1,330.37	6.30	4.45	-21.69	-1,356.73	-302.41	1,200.55	1,190.67	9.88	121.503		
1,600.00	1,565.21	1,404.78	1,400.63	6.99	4.74	-21.89	-1,363.58	-314.05	1,175.58	1,164.99	10.59	110.973		
1,700.00	1,655.84	1,482.97	1,477.16	7.73	5.08	-22.12	-1,372.01	-327.66	1,148.94	1,137.58	11.36	101.166		
1,800.00	1,744.94	1,556.00	1,548.22	8.52	5.40	-22.35	-1,381.24	-341.77	1,121.22	1,109.09	12.12	92.482		
1,900.00	1,832.39	1,624.33	1,614.30	9.37	5.73	-22.60	-1,391.32	-355.96	1,092.63	1,079.73	12.90	84.711		
2,000.00	1,918.11	1,709.08	1,695.75	10.27	6.15	-22.87	-1,404.93	-375.02	1,062.60	1,048.81	13.78	77.096		
2,100.00	2,001.97	1,794.06	1,776.46	11.22	6.62	-22.99	-1,418.08	-398.05	1,029.90	1,015.19	14.71	70.033		
2,200.00	2,083.88	1,865.81	1,843.53	12.23	7.04	-23.01	-1,429.91	-420.65	995.95	980.35	15.60	63.855		
2,300.00	2,163.74	1,942.59	1,914.16	13.29	7.54	-22.91	-1,443.42	-447.53	960.82	944.27	16.55	58.041		
2,400.00	2,241.45	2,014.43	1,979.15	14.40	8.05	-22.74	-1,456.84	-475.03	924.55	907.03	17.52	52.769		
2,500.00	2,316.92	2,081.36	2,038.55	15.57	8.57	-22.49	-1,470.39	-502.74	887.64	869.16	18.48	48.031		
2,600.00	2,390.05	2,143.00	2,092.14	16.78	9.07	-22.20	-1,484.33	-529.79	850.80	831.38	19.42	43.815		
2,700.00	2,460.76	2,215.67	2,154.11	18.05	9.72	-21.73	-1,502.38	-563.18	813.82	793.37	20.45	39.793		
2,800.00	2,528.95	2,304.33	2,228.81	19.37	10.55	-21.05	-1,525.73	-604.83	775.76	754.16	21.60	35.922		
2,900.00	2,595.08	2,402.83	2,312.63	20.72	11.49	-20.15	-1,551.50	-649.69	734.86	712.05	22.81	32.223		
3,000.00	2,661.04	2,500.58	2,396.76	22.08	12.41	-19.16	-1,576.55	-692.69	692.91	668.93	23.98	28.896		
3,100.00	2,726.99	2,591.87	2,475.62	23.46	13.28	-18.12	-1,599.39	-732.61	650.48	625.39	25.09	25.929		
3,200.00	2,792.94	2,685.19	2,555.60	24.84	14.19	-16.70	-1,621.90	-775.09	608.11	581.98	26.13	23.271		
3,300.00	2,858.90	2,765.55	2,624.56	26.22	15.00	-15.33	-1,641.30	-811.49	566.05	538.97	27.08	20.902		
3,400.00	2,924.85	2,845.21	2,691.21	27.61	15.84	-13.50	-1,661.30	-850.26	526.65	498.74	27.91	18.868		
3,500.00	2,990.81	2,936.13	2,766.69	29.00	16.82	-11.00	-1,684.31	-895.43	488.68	459.98	28.69	17.032		
3,600.00	3,056.76	3,033.35	2,848.19	30.40	17.86	-8.02	-1,708.63	-942.51	450.74	421.32	29.42	15.321		
3,700.00	3,122.71	3,124.82	2,925.92	31.80	18.83	-4.93	-1,731.10	-985.18	412.49	382.41	30.08	13.714		
3,800.00	3,188.67	3,206.78	2,995.07	33.20	19.70	-1.71	-1,752.43	-1,023.66	376.90	346.24	30.65	12.295		
3,900.00	3,254.62	3,299.46	3,073.11	34.60	20.69	2.46	-1,777.43	-1,066.94	343.53	312.17	31.36	10.953		
4,000.00	3,320.58	3,397.09	3,156.17	36.01	21.71	7.57	-1,803.46	-1,111.15	310.91	278.54	32.37	9.604		
4,100.00	3,386.53	3,494.44	3,240.42	37.41	22.69	13.59	-1,828.56	-1,152.97	278.37	244.47	33.90	8.211		
4,200.00	3,452.48	3,582.35	3,316.81	38.82	23.56	20.04	-1,851.73	-1,189.79	248.55	212.42	36.13	6.879		
4,300.00	3,518.44	3,671.00	3,393.29	40.23	24.45	27.76	-1,876.12	-1,227.40	224.07	184.39	39.68	5.647		
4,400.00	3,584.39	3,754.11	3,464.09	41.64	25.33	36.39	-1,898.99	-1,264.43	207.28	162.49	44.80	4.627		
4,500.00	3,650.35	3,847.83	3,543.51	43.05	26.32	47.41	-1,923.96	-1,307.46	199.13	146.98	52.15	3.819		
4,549.79	3,683.19	3,892.19	3,581.35	43.75	26.80	52.83	-1,935.69	-1,327.42	197.83	141.85	55.98	3.534 CC		
4,600.00	3,716.30	3,936.03	3,618.45	44.46	27.27	58.08	-1,947.67	-1,347.47	199.15	139.48	59.67	3.337 ES		
4,700.00	3,782.25	4,026.72	3,694.54	45.88	28.26	68.23	-1,973.35	-1,389.60	208.56	142.21	66.34	3.144		
4,800.00	3,848.21	4,118.35	3,771.27	47.29	29.27	77.37	-1,999.64	-1,432.24	224.91	153.29	71.62	3.140 SF		
4,900.00	3,914.16	4,210.87	3,848.59	48.71	30.29	85.24	-2,026.55	-1,475.34	246.62	171.04	75.58	3.263		
5,000.00	3,980.12	4,303.65	3,925.94	50.12	31.32	91.77	-2,054.15	-1,518.50	272.01	193.45	78.55	3.463		
5,100.00	4,046.07	4,397.73	4,004.43	51.54	32.36	97.30	-2,082.38	-1,562.01	300.01	219.07	80.94	3.707		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	4,112.02	4,493.91	4,085.85	52.95	33.39	102.35	-2,110.76	-1,604.60	329.40	246.48	82.92	3.972		
5,300.00	4,177.98	4,583.26	4,163.18	54.37	34.30	106.83	-2,135.98	-1,641.60	360.20	276.03	84.16	4.280		
5,400.00	4,243.93	4,666.74	4,235.45	55.79	35.15	110.41	-2,158.43	-1,676.82	394.27	309.31	84.96	4.640		
5,500.00	4,309.89	4,752.68	4,309.07	57.21	36.04	113.34	-2,180.81	-1,715.09	431.42	345.52	85.90	5.022		
5,600.00	4,375.84	4,846.26	4,389.62	58.63	37.02	116.15	-2,205.05	-1,756.08	469.39	382.25	87.14	5.387		
5,700.00	4,441.79	4,940.22	4,468.79	60.05	38.04	118.15	-2,231.02	-1,799.50	507.48	418.89	88.60	5.728		
5,800.00	4,507.75	5,032.49	4,546.19	61.47	39.06	119.79	-2,257.09	-1,842.44	545.60	455.54	90.06	6.058		
5,900.00	4,573.70	5,124.34	4,624.48	62.89	40.05	121.45	-2,282.26	-1,883.36	584.21	492.83	91.39	6.393		
6,000.00	4,639.66	5,226.99	4,710.88	64.31	41.16	122.89	-2,312.13	-1,930.02	621.92	528.71	93.21	6.672		
6,100.00	4,705.61	5,322.55	4,791.49	65.73	42.20	124.13	-2,340.68	-1,972.66	658.98	564.23	94.75	6.955		
6,200.00	4,771.56	5,418.79	4,873.62	67.15	43.21	125.42	-2,369.55	-2,013.67	695.69	599.50	96.19	7.233		
6,300.00	4,837.52	5,509.00	4,951.32	68.57	44.13	126.64	-2,396.62	-2,050.67	732.32	634.97	97.35	7.523		
6,400.00	4,903.47	5,590.74	5,021.54	69.99	44.97	127.60	-2,420.66	-2,084.91	769.96	671.62	98.34	7.829		
6,500.00	4,969.43	5,665.75	5,085.36	71.41	45.77	128.27	-2,441.69	-2,118.23	809.49	710.22	99.28	8.154		
6,600.00	5,035.38	5,747.97	5,155.45	72.83	46.64	128.93	-2,463.34	-2,155.36	850.81	750.34	100.47	8.468		
6,700.00	5,101.33	5,831.03	5,227.48	74.25	47.49	129.72	-2,484.53	-2,190.88	892.66	791.09	101.56	8.789		
6,800.00	5,167.29	5,904.96	5,291.95	75.67	48.24	130.39	-2,502.30	-2,222.37	935.94	833.59	102.36	9.144		
6,900.00	5,233.24	5,975.84	5,353.26	77.10	48.97	130.89	-2,518.30	-2,254.16	980.96	877.79	103.17	9.508		
7,000.00	5,299.20	6,097.14	5,455.19	78.52	50.31	131.31	-2,546.73	-2,313.39	1,025.84	919.77	106.07	9.671		
7,100.00	5,365.15	6,201.29	5,542.60	79.94	51.49	131.67	-2,573.69	-2,363.16	1,068.29	960.00	108.29	9.865		
7,200.00	5,431.10	6,295.54	5,622.17	81.36	52.52	132.03	-2,598.61	-2,407.10	1,110.13	1,000.05	110.09	10.084		
7,300.00	5,497.06	6,391.86	5,703.66	82.79	53.58	132.40	-2,624.67	-2,451.36	1,151.37	1,039.44	111.93	10.287		
7,400.00	5,563.01	6,470.31	5,769.60	84.21	54.45	132.64	-2,645.59	-2,488.33	1,193.11	1,079.81	113.29	10.531		
7,500.00	5,628.97	6,558.04	5,843.06	85.63	55.43	132.84	-2,668.54	-2,530.45	1,235.42	1,120.41	115.01	10.742		
7,600.00	5,694.92	6,650.01	5,919.51	87.06	56.49	132.99	-2,692.63	-2,575.54	1,277.81	1,160.87	116.94	10.927		
7,700.00	5,760.87	6,740.24	5,994.17	88.48	57.54	133.09	-2,716.37	-2,620.32	1,320.14	1,201.29	118.85	11.107		
7,800.00	5,826.83	6,826.89	6,067.11	89.90	58.49	133.29	-2,738.86	-2,661.32	1,362.62	1,242.11	120.50	11.308		
7,900.00	5,892.78	6,925.73	6,151.62	91.33	59.55	133.63	-2,764.34	-2,705.78	1,405.09	1,282.72	122.37	11.482		
8,000.00	5,958.74	7,007.97	6,221.13	92.75	60.46	133.82	-2,785.87	-2,744.10	1,447.35	1,323.47	123.88	11.683		
8,100.00	6,024.69	7,096.48	6,294.72	94.17	61.47	133.91	-2,808.67	-2,787.65	1,490.18	1,364.46	125.71	11.854		
8,200.00	6,090.64	7,188.18	6,371.81	95.60	62.49	134.07	-2,832.35	-2,831.29	1,532.85	1,405.30	127.55	12.017		
8,300.00	6,156.60	7,269.51	6,441.87	97.02	63.33	134.34	-2,852.98	-2,867.07	1,575.71	1,446.82	128.88	12.226		
8,400.00	6,222.55	7,325.00	6,491.10	98.45	63.87	134.64	-2,866.41	-2,888.84	1,619.53	1,490.18	129.35	12.521		
8,500.00	6,288.51	7,391.25	6,551.10	99.87	64.43	135.07	-2,881.15	-2,912.75	1,664.90	1,535.01	129.88	12.818		
8,600.00	6,354.46	7,454.21	6,608.86	101.29	64.95	135.52	-2,893.65	-2,934.46	1,712.20	1,581.92	130.28	13.143		
8,700.00	6,420.41	7,534.52	6,682.28	102.72	65.63	136.03	-2,909.10	-2,963.10	1,760.31	1,629.18	131.13	13.424		
8,800.00	6,486.37	7,642.36	6,778.29	104.14	66.65	136.46	-2,930.46	-3,007.25	1,808.35	1,675.34	133.02	13.595		
8,900.00	6,552.32	7,777.68	6,892.73	105.57	68.11	136.55	-2,960.70	-3,072.76	1,854.25	1,718.03	136.23	13.612		
9,000.00	6,618.28	7,843.95	6,948.91	106.99	68.88	136.61	-2,976.04	-3,104.35	1,899.60	1,762.19	137.41	13.824		
9,100.00	6,684.23	7,898.00	6,992.05	108.42	69.53	136.47	-2,987.59	-3,134.76	1,946.57	1,808.14	138.43	14.061		
9,200.00	6,750.18	8,032.68	7,084.82	109.84	71.60	135.45	-3,018.53	-3,226.93	1,991.46	1,847.96	143.50	13.878		
9,300.00	6,816.14	8,089.00	7,118.06	111.26	72.56	134.81	-3,030.31	-3,270.84	2,038.54	1,893.09	145.45	14.016		
9,400.00	6,882.09	8,115.06	7,132.51	112.69	73.03	134.48	-3,035.21	-3,291.96	2,087.50	1,941.61	145.89	14.309		
9,500.00	6,948.05	8,160.22	7,156.37	114.11	73.85	133.88	-3,043.13	-3,329.47	2,138.49	1,991.18	147.31	14.517		
9,600.00	7,014.00	8,184.00	7,168.33	115.54	74.28	133.55	-3,047.00	-3,349.65	2,191.46	2,043.97	147.49	14.858		
9,700.00	7,079.88	8,218.03	7,184.19	116.97	74.93	130.60	-3,051.84	-3,379.36	2,246.49	2,098.23	148.25	15.153		
9,800.00	7,142.10	8,241.47	7,194.01	118.48	75.38	117.76	-3,054.52	-3,400.47	2,299.42	2,151.31	148.11	15.525		
9,900.00	7,197.32	8,279.00	7,207.75	120.08	76.09	107.47	-3,057.67	-3,435.24	2,346.81	2,198.29	148.52	15.801		
10,000.00	7,243.87	8,322.67	7,220.31	121.71	76.97	99.66	-3,060.57	-3,476.95	2,386.75	2,237.60	149.16	16.002		
10,100.00	7,280.34	8,402.70	7,233.14	123.32	78.59	93.90	-3,065.94	-3,555.68	2,416.85	2,264.79	152.07	15.894		
10,200.00	7,305.62	8,470.00	7,237.40	124.84	79.97	90.26	-3,070.01	-3,622.71	2,436.36	2,282.31	154.05	15.816		
10,300.00	7,318.93	8,566.00	7,239.87	126.22	81.96	88.50	-3,075.19	-3,718.54	2,444.40	2,286.44	157.96	15.475		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 36-T7N-R67W - ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 - PATT 901		Offset Site Error:		0.00 usft
Survey Program:		130-MWD OWSG											Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis		Distance											
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning				
10,400.00	7,321.00	8,661.00	7,241.71	127.44	83.97	88.42	-3,080.71	-3,813.36	2,440.68	2,278.78	161.90	15.075					
10,500.00	7,321.00	8,712.34	7,242.21	128.66	85.05	88.43	-3,083.19	-3,864.63	2,436.17	2,273.29	162.88	14.957					
10,600.00	7,321.00	8,756.00	7,242.20	129.91	85.98	88.43	-3,083.98	-3,908.29	2,434.26	2,270.97	163.29	14.907					
10,700.00	7,321.00	8,947.00	7,240.68	131.19	90.09	88.39	-3,089.64	-4,099.16	2,431.18	2,257.08	174.10	13.964					
10,800.00	7,321.00	9,009.42	7,239.46	132.51	91.46	88.36	-3,092.86	-4,161.48	2,426.57	2,250.63	175.94	13.792					
10,900.00	7,321.00	9,130.20	7,236.27	133.87	94.14	88.28	-3,095.74	-4,282.18	2,424.55	2,242.63	181.92	13.328					
11,000.00	7,321.00	9,225.65	7,234.88	135.26	96.28	88.24	-3,099.59	-4,377.53	2,420.59	2,234.42	186.18	13.002					
11,100.00	7,321.00	9,268.69	7,234.01	136.68	97.25	88.22	-3,100.82	-4,420.55	2,417.95	2,231.26	186.70	12.951					
11,153.95	7,321.00	9,289.38	7,233.73	137.46	97.72	88.22	-3,100.97	-4,441.23	2,417.58	2,230.82	186.77	12.944					
11,200.00	7,321.00	9,329.00	7,233.46	138.14	98.61	88.21	-3,100.47	-4,480.85	2,418.12	2,229.68	188.44	12.833					
11,300.00	7,321.00	9,407.06	7,235.18	139.63	100.38	88.25	-3,099.52	-4,558.88	2,419.19	2,227.67	191.52	12.631					
11,400.00	7,321.00	9,505.40	7,238.82	141.15	102.63	88.34	-3,098.85	-4,657.13	2,419.81	2,223.64	196.17	12.335					
11,500.00	7,321.00	9,579.02	7,240.69	142.70	104.32	88.38	-3,097.47	-4,730.72	2,421.63	2,222.65	198.97	12.171					
11,600.00	7,321.00	9,681.74	7,241.15	144.29	106.69	88.40	-3,094.86	-4,833.40	2,424.19	2,220.20	203.99	11.884					
11,700.00	7,321.00	9,766.29	7,240.40	145.91	108.65	88.38	-3,092.97	-4,917.93	2,426.52	2,218.89	207.63	11.687					
11,800.00	7,321.00	9,852.06	7,238.76	147.55	110.65	88.34	-3,090.17	-5,003.64	2,429.84	2,218.46	211.38	11.495					
11,900.00	7,321.00	9,969.65	7,237.53	149.23	113.41	88.32	-3,086.48	-5,121.16	2,433.05	2,215.44	217.61	11.181					
12,000.00	7,321.00	10,070.95	7,236.81	150.93	115.82	88.30	-3,083.93	-5,222.42	2,435.61	2,213.00	222.61	10.941					
12,100.00	7,321.00	10,150.07	7,238.02	152.67	117.70	88.33	-3,081.55	-5,301.50	2,438.64	2,212.68	225.96	10.792					
12,200.00	7,321.00	10,223.73	7,238.78	154.43	119.46	88.35	-3,078.56	-5,375.09	2,442.68	2,213.80	228.88	10.672					
12,300.00	7,321.00	10,585.07	7,242.34	156.22	128.30	88.43	-3,079.50	-5,736.07	2,443.70	2,190.47	253.24	9.650					
12,400.00	7,321.00	10,667.00	7,243.44	158.04	130.34	88.46	-3,084.01	-5,817.87	2,438.16	2,181.17	256.99	9.487					
12,500.00	7,321.00	10,731.57	7,243.46	159.88	131.96	88.46	-3,086.88	-5,882.37	2,433.67	2,174.16	259.51	9.378					
12,600.00	7,321.00	10,883.27	7,242.32	161.75	135.76	88.42	-3,094.34	-6,033.88	2,428.85	2,160.66	268.19	9.056					
12,700.00	7,321.00	10,954.00	7,240.63	163.64	137.54	88.38	-3,098.26	-6,104.47	2,423.40	2,152.24	271.17	8.937					
12,800.00	7,321.00	11,031.38	7,238.99	165.56	139.49	88.34	-3,101.73	-6,181.75	2,419.02	2,144.42	274.60	8.809					
12,900.00	7,321.00	11,241.00	7,239.74	167.49	144.80	88.35	-3,116.88	-6,390.75	2,410.67	2,123.34	287.33	8.390					
13,000.00	7,321.00	11,294.37	7,239.97	169.46	146.16	88.35	-3,121.99	-6,443.86	2,402.08	2,112.85	289.23	8.305					
13,100.00	7,321.00	11,337.00	7,239.61	171.44	147.24	88.34	-3,123.75	-6,486.45	2,397.28	2,107.02	290.26	8.259					
13,200.00	7,321.00	11,404.23	7,238.62	173.45	148.95	88.32	-3,125.28	-6,553.66	2,394.67	2,101.69	292.99	8.173					
13,300.00	7,321.00	11,473.09	7,237.74	175.47	150.70	88.29	-3,127.13	-6,622.48	2,392.21	2,096.42	295.79	8.087					
13,360.51	7,321.00	11,502.91	7,237.65	176.71	151.46	88.29	-3,127.39	-6,652.30	2,391.71	2,095.13	296.58	8.064					
13,400.00	7,321.00	11,527.00	7,237.73	177.52	152.07	88.29	-3,127.31	-6,676.39	2,391.81	2,094.39	297.42	8.042					
13,500.00	7,321.00	11,650.51	7,237.16	179.58	155.21	88.28	-3,127.10	-6,799.89	2,392.08	2,087.70	304.38	7.859					
13,600.00	7,321.00	11,754.72	7,235.76	181.67	157.87	88.24	-3,128.29	-6,904.09	2,390.99	2,081.13	309.86	7.716					
13,646.10	7,321.00	11,784.05	7,235.85	182.63	158.62	88.25	-3,128.40	-6,933.41	2,390.83	2,079.87	310.96	7.688					
13,700.00	7,321.00	11,821.32	7,236.43	183.77	159.57	88.26	-3,128.23	-6,970.68	2,391.05	2,078.57	312.47	7.652					
13,800.00	7,321.00	11,923.97	7,237.95	185.89	162.20	88.30	-3,127.65	-7,073.32	2,391.60	2,073.71	317.89	7.523					
13,900.00	7,321.00	12,005.00	7,238.00	188.02	164.27	88.30	-3,126.86	-7,154.35	2,392.60	2,070.99	321.60	7.440					
14,000.00	7,321.00	12,138.69	7,236.51	190.18	167.71	88.26	-3,126.79	-7,288.03	2,392.52	2,063.11	329.41	7.263					
14,100.00	7,321.00	12,364.41	7,242.39	192.35	173.55	88.40	-3,133.45	-7,513.43	2,389.09	2,045.18	343.91	6.947					
14,200.00	7,321.00	12,420.48	7,244.86	194.53	175.00	88.46	-3,135.93	-7,569.39	2,384.64	2,038.63	346.01	6.892					
14,300.00	7,321.00	12,481.00	7,247.47	196.73	176.58	88.52	-3,137.20	-7,629.84	2,382.29	2,033.94	348.35	6.839					
14,400.00	7,321.00	12,556.04	7,250.43	198.95	178.53	88.59	-3,137.77	-7,704.81	2,381.35	2,029.62	351.73	6.770					
14,465.98	7,321.00	12,604.55	7,252.02	200.41	179.78	88.63	-3,137.99	-7,753.30	2,381.04	2,027.18	353.86	6.729					
14,500.00	7,321.00	12,626.25	7,252.57	201.17	180.35	88.64	-3,137.92	-7,774.99	2,381.13	2,026.44	354.69	6.713					
14,600.00	7,321.00	12,760.15	7,253.98	203.42	183.82	88.68	-3,137.13	-7,908.88	2,381.99	2,019.43	362.56	6.570					
14,700.00	7,321.00	12,856.32	7,253.48	205.67	186.33	88.66	-3,138.05	-8,005.04	2,381.08	2,013.56	367.52	6.479					
14,800.00	7,321.00	12,960.12	7,251.12	207.94	189.03	88.61	-3,138.98	-8,108.80	2,380.27	2,007.23	373.04	6.381					
14,900.00	7,321.00	13,053.00	7,249.64	210.22	191.45	88.57	-3,139.89	-8,201.67	2,379.37	2,001.63	377.74	6.299					
14,953.55	7,321.00	13,092.19	7,249.48	211.44	192.48	88.57	-3,140.08	-8,240.86	2,379.15	1,999.69	379.46	6.270					
15,000.00	7,321.00	13,122.10	7,249.16	212.51	193.26	88.56	-3,139.99	-8,270.76	2,379.31	1,998.70	380.62	6.251					

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,321.00	13,292.78	7,250.79	214.81	197.72	88.60	-3,141.01	-8,441.39	2,378.86	1,987.58	391.28	6.080		
15,200.00	7,321.00	13,378.37	7,253.45	217.12	199.97	88.66	-3,142.97	-8,526.92	2,376.58	1,981.07	395.51	6.009		
15,300.00	7,321.00	13,444.06	7,255.18	219.45	201.69	88.70	-3,143.52	-8,592.58	2,375.69	1,977.48	398.21	5.966		
15,351.34	7,321.00	13,490.18	7,256.32	220.65	202.90	88.73	-3,143.56	-8,638.68	2,375.63	1,975.10	400.53	5.931		
15,400.00	7,321.00	13,529.00	7,257.29	221.78	203.92	88.75	-3,143.51	-8,677.49	2,375.69	1,973.34	402.35	5.904		
15,500.00	7,321.00	13,590.92	7,258.53	224.13	205.55	88.78	-3,142.82	-8,739.40	2,376.83	1,972.19	404.65	5.874		
15,600.00	7,321.00	13,716.78	7,259.65	226.48	208.85	88.81	-3,140.18	-8,865.23	2,379.10	1,967.09	412.02	5.774		
15,700.00	7,321.00	13,837.69	7,259.38	228.85	212.02	88.81	-3,139.73	-8,986.13	2,379.50	1,960.55	418.94	5.680		
15,800.00	7,321.00	13,977.56	7,256.63	231.22	215.71	88.74	-3,140.93	-9,125.96	2,378.71	1,951.47	427.24	5.568		
15,900.00	7,321.00	14,102.00	7,252.86	233.60	218.99	88.65	-3,145.12	-9,250.26	2,375.16	1,940.87	434.29	5.469		
16,000.00	7,321.00	14,152.72	7,250.99	235.99	220.32	88.60	-3,146.43	-9,300.93	2,373.11	1,937.20	435.91	5.444		
16,021.26	7,321.00	14,160.37	7,250.68	236.50	220.53	88.59	-3,146.47	-9,308.57	2,373.05	1,937.06	435.99	5.443		
16,100.00	7,321.00	14,197.00	7,249.07	238.39	221.49	88.55	-3,146.01	-9,345.16	2,373.93	1,937.09	436.83	5.434		
16,200.00	7,321.00	14,339.88	7,242.47	240.79	225.25	88.40	-3,143.78	-9,487.86	2,376.00	1,930.56	445.44	5.334		
16,300.00	7,321.00	14,454.76	7,240.29	243.21	228.28	88.34	-3,145.04	-9,602.72	2,374.89	1,923.01	451.88	5.256		
16,400.00	7,321.00	14,571.03	7,238.61	245.63	231.36	88.30	-3,146.44	-9,718.96	2,373.74	1,915.33	458.41	5.178		
16,500.00	7,321.00	14,651.65	7,236.95	248.06	233.50	88.26	-3,147.68	-9,799.56	2,372.39	1,910.14	462.24	5.132		
16,534.00	7,321.00	14,674.00	7,236.16	248.88	234.09	88.24	-3,147.76	-9,821.89	2,372.30	1,909.15	463.15	5.122		
16,600.00	7,321.00	14,731.44	7,233.94	250.49	235.61	88.19	-3,147.73	-9,879.28	2,372.43	1,906.46	465.98	5.091		
16,700.00	7,321.00	14,872.39	7,228.75	252.93	239.34	88.06	-3,148.23	-10,020.13	2,372.36	1,898.00	474.36	5.001		
16,771.84	7,321.00	14,911.63	7,227.18	254.69	240.38	88.02	-3,148.49	-10,059.34	2,371.94	1,896.24	475.69	4.986		
16,800.00	7,321.00	14,928.90	7,226.40	255.38	240.83	88.00	-3,148.49	-10,076.59	2,372.00	1,895.66	476.34	4.980		
16,900.00	7,321.00	14,984.49	7,223.43	257.84	242.30	87.93	-3,147.90	-10,132.10	2,373.33	1,895.25	478.08	4.964		
17,000.00	7,321.00	15,055.00	7,217.94	260.30	244.16	87.80	-3,145.42	-10,202.35	2,376.90	1,896.01	480.89	4.943		
17,100.00	7,321.00	15,196.81	7,204.43	262.76	247.88	87.48	-3,141.50	-10,343.45	2,380.30	1,890.87	489.43	4.863		
17,200.00	7,321.00	15,297.25	7,194.53	265.24	250.52	87.25	-3,140.32	-10,443.39	2,381.97	1,887.34	494.63	4.816		
17,300.00	7,321.00	15,441.21	7,183.39	267.72	254.33	86.98	-3,138.97	-10,586.91	2,383.51	1,880.29	503.22	4.736		
17,400.00	7,321.00	15,561.20	7,173.47	270.20	257.50	86.74	-3,140.12	-10,706.49	2,383.02	1,873.13	509.89	4.674		
17,500.00	7,321.00	15,660.83	7,164.93	272.69	260.14	86.53	-3,141.44	-10,805.74	2,382.23	1,867.20	515.02	4.625		
17,526.57	7,321.00	15,669.00	7,164.22	273.35	260.35	86.52	-3,141.55	-10,813.88	2,382.09	1,867.07	515.03	4.625		
17,600.00	7,321.00	15,669.00	7,164.22	275.18	260.35	86.52	-3,141.55	-10,813.88	2,383.22	1,870.16	513.07	4.645		
17,700.00	7,321.00	15,669.00	7,164.22	277.68	260.35	86.52	-3,141.55	-10,813.88	2,388.40	1,878.73	509.67	4.686		
17,800.00	7,321.00	15,669.00	7,164.22	280.19	260.35	86.51	-3,141.55	-10,813.88	2,397.78	1,892.33	505.45	4.744		
17,900.00	7,321.00	15,669.00	7,164.22	282.71	260.35	86.49	-3,141.55	-10,813.88	2,413.51	1,913.03	500.47	4.822		
18,000.00	7,321.00	15,669.00	7,164.22	285.26	260.35	86.46	-3,141.55	-10,813.88	2,436.63	1,941.79	494.84	4.924		
18,100.00	7,321.00	15,669.00	7,164.22	287.83	260.35	86.43	-3,141.55	-10,813.88	2,466.92	1,978.26	488.66	5.048		
18,200.00	7,321.00	15,669.00	7,164.22	290.41	260.35	86.37	-3,141.55	-10,813.88	2,504.07	2,022.01	482.06	5.195		
18,300.00	7,321.00	15,669.00	7,164.22	293.00	260.35	86.33	-3,141.55	-10,813.88	2,547.67	2,072.49	475.17	5.362		
18,400.00	7,321.00	15,669.00	7,164.22	295.59	260.35	86.33	-3,141.55	-10,813.88	2,595.32	2,127.29	468.03	5.545		
18,500.00	7,321.00	15,669.00	7,164.22	298.19	260.35	86.33	-3,141.55	-10,813.88	2,645.90	2,185.22	460.68	5.744		
18,600.00	7,321.00	15,669.00	7,164.22	300.78	260.35	86.33	-3,141.55	-10,813.88	2,699.23	2,246.06	453.17	5.956		
18,700.00	7,321.00	15,669.00	7,164.22	303.38	260.35	86.33	-3,141.55	-10,813.88	2,755.16	2,309.60	445.57	6.184		
18,800.00	7,321.00	15,669.00	7,164.22	305.98	260.35	86.33	-3,141.55	-10,813.88	2,813.54	2,375.62	437.92	6.425		
18,900.00	7,321.00	15,669.00	7,164.22	308.58	260.35	86.33	-3,141.55	-10,813.88	2,874.21	2,443.94	430.27	6.680		
19,000.00	7,321.00	15,669.00	7,164.22	311.18	260.35	86.33	-3,141.55	-10,813.88	2,937.03	2,514.37	422.67	6.949		
19,100.00	7,321.00	15,669.00	7,164.22	313.78	260.35	86.33	-3,141.55	-10,813.88	3,001.87	2,586.74	415.13	7.231		
19,200.00	7,321.00	15,669.00	7,164.22	316.39	260.35	86.33	-3,141.55	-10,813.88	3,068.60	2,660.91	407.69	7.527		
19,300.00	7,321.00	15,669.00	7,164.22	318.99	260.35	86.33	-3,141.55	-10,813.88	3,137.10	2,736.73	400.37	7.835		
19,400.00	7,321.00	15,669.00	7,164.22	321.60	260.35	86.33	-3,141.55	-10,813.88	3,207.26	2,814.07	393.19	8.157		
19,500.00	7,321.00	15,669.00	7,164.22	324.21	260.35	86.34	-3,141.55	-10,813.88	3,278.94	2,892.78	386.16	8.491		
19,600.00	7,321.00	15,669.00	7,164.22	326.81	260.35	86.47	-3,141.55	-10,813.88	3,350.63	2,971.49	379.14	8.837		
19,700.00	7,321.00	15,669.00	7,164.22	329.42	260.35	86.59	-3,141.55	-10,813.88	3,421.34	3,049.30	372.04	9.196		

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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 - PATT 901												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,800.00	7,321.00	15,669.00	7,164.22	332.01	260.35	86.71	-3,141.55	-10,813.88	3,491.06	3,126.19	364.87	9.568	
19,900.00	7,321.00	15,669.00	7,164.22	334.60	260.35	86.81	-3,141.55	-10,813.88	3,559.75	3,202.13	357.61	9.954	
20,000.00	7,321.00	15,669.00	7,164.22	337.16	260.35	86.91	-3,141.55	-10,813.88	3,627.39	3,277.10	350.29	10.355	
20,100.00	7,321.00	15,669.00	7,164.22	339.72	260.35	86.93	-3,141.55	-10,813.88	3,694.98	3,351.98	342.99	10.773	
20,200.00	7,321.00	15,669.00	7,164.22	342.28	260.35	86.93	-3,141.55	-10,813.88	3,763.98	3,428.13	335.86	11.207	
20,300.00	7,321.00	15,669.00	7,164.22	344.84	260.35	86.93	-3,141.55	-10,813.88	3,834.36	3,505.46	328.90	11.658	
20,400.00	7,321.00	15,669.00	7,164.22	347.40	260.35	86.93	-3,141.55	-10,813.88	3,906.03	3,583.91	322.11	12.126	
20,500.00	7,321.00	15,669.00	7,164.22	349.97	260.35	86.93	-3,141.55	-10,813.88	3,978.92	3,663.41	315.51	12.611	
20,540.60	7,321.00	15,669.00	7,164.22	351.01	260.35	86.93	-3,141.55	-10,813.88	4,008.84	3,695.96	312.88	12.813	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	144.09	144.04	0.27	0.22	-169.82	-1,354.42	-243.33	1,377.24	1,376.76	0.49	2,833.656		
200.00	200.00	199.42	199.36	0.63	0.43	-169.81	-1,353.38	-243.36	1,375.13	1,374.08	1.06	1,303.383		
236.90	236.90	225.00	224.95	0.76	0.51	-169.81	-1,353.30	-243.36	1,375.01	1,373.73	1.27	1,080.018		
300.00	300.00	285.59	285.54	0.99	0.72	-169.80	-1,353.41	-243.45	1,375.13	1,373.42	1.71	804.469		
400.00	400.00	381.98	381.93	1.34	1.06	-169.78	-1,353.53	-244.13	1,375.38	1,372.98	2.41	571.604		
500.00	499.98	479.13	479.06	1.69	1.41	-20.33	-1,353.82	-245.72	1,374.33	1,371.24	3.09	444.085		
600.00	599.84	592.88	592.80	2.03	1.81	-20.40	-1,353.91	-247.12	1,369.74	1,365.90	3.84	356.735		
700.00	699.45	670.96	670.88	2.38	2.09	-20.53	-1,353.98	-247.71	1,361.84	1,357.38	4.46	305.252		
800.00	798.70	749.29	749.19	2.75	2.36	-20.73	-1,355.56	-248.20	1,352.48	1,347.39	5.09	265.720		
900.00	897.47	831.68	831.53	3.15	2.66	-20.99	-1,358.25	-249.14	1,341.24	1,335.50	5.74	233.613		
1,000.00	995.62	915.32	915.04	3.58	2.96	-21.23	-1,361.65	-252.07	1,327.95	1,321.54	6.41	207.218		
1,100.00	1,093.06	998.89	998.39	4.04	3.26	-21.47	-1,365.72	-256.72	1,312.57	1,305.49	7.09	185.180		
1,200.00	1,189.64	1,082.00	1,081.07	4.54	3.57	-21.69	-1,370.41	-263.63	1,295.20	1,287.42	7.78	166.484		
1,300.00	1,285.27	1,159.87	1,158.24	5.08	3.87	-21.85	-1,375.45	-272.68	1,275.99	1,267.52	8.47	150.654		
1,400.00	1,379.82	1,229.27	1,226.73	5.67	4.15	-21.99	-1,380.87	-282.52	1,255.37	1,246.22	9.14	137.286		
1,500.00	1,473.17	1,297.49	1,293.79	6.30	4.44	-22.15	-1,387.74	-293.01	1,233.93	1,224.10	9.83	125.498		
1,600.00	1,565.21	1,367.00	1,361.72	6.99	4.74	-22.31	-1,396.05	-305.16	1,211.56	1,201.01	10.54	114.898		
1,700.00	1,655.84	1,445.67	1,438.14	7.73	5.11	-22.45	-1,406.69	-320.48	1,187.90	1,176.57	11.33	104.878		
1,800.00	1,744.94	1,517.52	1,507.49	8.52	5.46	-22.61	-1,417.45	-335.86	1,162.87	1,150.77	12.11	96.055		
1,900.00	1,832.39	1,597.16	1,583.63	9.37	5.87	-22.71	-1,430.68	-355.10	1,136.76	1,123.81	12.95	87.772		
2,000.00	1,918.11	1,685.79	1,668.22	10.27	6.36	-22.88	-1,445.84	-376.77	1,108.14	1,094.26	13.88	79.865		
2,100.00	2,001.97	1,762.00	1,740.40	11.22	6.80	-23.06	-1,459.85	-396.81	1,077.96	1,063.20	14.76	73.009		
2,200.00	2,083.88	1,835.89	1,809.48	12.23	7.26	-23.17	-1,474.30	-418.67	1,046.50	1,030.81	15.69	66.719		
2,300.00	2,163.74	1,905.39	1,873.55	13.29	7.73	-23.23	-1,488.63	-441.44	1,013.79	997.18	16.61	61.031		
2,400.00	2,241.45	1,977.17	1,938.88	14.40	8.24	-23.27	-1,505.08	-466.24	980.56	962.98	17.58	55.774		
2,500.00	2,316.92	2,048.00	2,002.63	15.57	8.77	-23.28	-1,521.78	-492.18	945.73	927.15	18.57	50.922		
2,600.00	2,390.05	2,123.90	2,069.70	16.78	9.40	-23.18	-1,540.66	-522.27	909.87	890.24	19.63	46.341		
2,700.00	2,460.76	2,210.50	2,144.73	18.05	10.15	-22.93	-1,563.72	-558.86	873.28	852.49	20.79	42.014		
2,800.00	2,528.95	2,293.00	2,216.24	19.37	10.89	-22.79	-1,585.95	-593.46	834.06	812.13	21.93	38.024		
2,900.00	2,595.08	2,367.74	2,280.65	20.72	11.59	-22.54	-1,607.33	-624.78	794.08	771.02	23.06	34.440		
3,000.00	2,661.04	2,442.19	2,343.61	22.08	12.31	-22.02	-1,629.86	-657.50	756.13	731.97	24.16	31.300		
3,100.00	2,726.99	2,529.99	2,417.23	23.46	13.19	-21.32	-1,657.48	-696.55	719.63	694.29	25.34	28.402		
3,200.00	2,792.94	2,632.58	2,504.15	24.84	14.21	-20.55	-1,689.41	-740.71	682.39	655.80	26.60	25.656		
3,300.00	2,858.90	2,702.85	2,563.14	26.22	14.93	-19.93	-1,712.03	-771.46	646.57	618.95	27.63	23.404		
3,400.00	2,924.85	2,796.07	2,640.43	27.61	15.91	-18.98	-1,743.57	-812.94	612.79	584.04	28.75	21.313		
3,500.00	2,990.81	2,888.89	2,717.31	29.00	16.91	-17.87	-1,774.53	-854.72	578.90	549.08	29.82	19.410		
3,600.00	3,056.76	2,989.43	2,799.81	30.40	18.02	-16.20	-1,806.74	-902.29	544.95	514.15	30.81	17.690		
3,700.00	3,122.71	3,076.41	2,871.54	31.80	18.98	-14.63	-1,834.43	-942.93	510.94	479.28	31.66	16.137		
3,800.00	3,188.67	3,178.31	2,955.05	33.20	20.12	-12.38	-1,866.59	-991.68	477.69	445.25	32.45	14.723		
3,900.00	3,254.62	3,262.91	3,024.92	34.60	21.07	-10.32	-1,892.96	-1,031.41	444.25	411.16	33.09	13.424		
4,000.00	3,320.58	3,358.01	3,102.38	36.01	22.15	-7.48	-1,923.15	-1,077.59	412.98	379.33	33.65	12.272		
4,100.00	3,386.53	3,464.92	3,191.56	37.41	23.32	-4.22	-1,956.61	-1,126.11	380.42	346.14	34.28	11.099		
4,200.00	3,452.48	3,551.35	3,264.73	38.82	24.24	-1.35	-1,983.44	-1,163.48	347.30	312.45	34.84	9.967		
4,300.00	3,518.44	3,634.72	3,333.85	40.23	25.17	2.16	-2,010.12	-1,201.69	317.87	282.45	35.41	8.976		
4,400.00	3,584.39	3,732.94	3,414.11	41.64	26.29	7.37	-2,041.55	-1,248.77	291.85	255.40	36.45	8.007		
4,500.00	3,650.35	3,832.84	3,498.02	43.05	27.38	13.21	-2,072.76	-1,293.09	264.74	226.53	38.21	6.929		
4,600.00	3,716.30	3,925.38	3,576.38	44.46	28.36	19.54	-2,101.73	-1,332.89	239.42	198.53	40.89	5.855		
4,700.00	3,782.25	4,013.10	3,650.16	45.88	29.32	27.36	-2,127.27	-1,372.86	219.05	173.76	45.29	4.837		
4,800.00	3,848.21	4,102.14	3,724.12	47.29	30.32	36.69	-2,152.74	-1,415.40	206.51	154.58	51.93	3.977		
4,900.00	3,914.16	4,193.69	3,799.86	48.71	31.36	46.72	-2,179.92	-1,459.06	201.49	141.42	60.06	3.355		
4,914.42	3,923.67	4,206.84	3,810.71	48.91	31.51	48.17	-2,183.88	-1,465.34	201.41	140.13	61.27	3.287 CC		
5,000.00	3,980.12	4,286.71	3,876.51	50.12	32.42	56.82	-2,208.23	-1,503.49	204.07	135.67	68.41	2.983 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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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				
5,100.00	4,046.07	4,381.38	3,954.74	51.54	33.50	66.46	-2,237.81	-1,547.86	212.61	136.75	75.86	2.803	2.757 SF			
5,200.00	4,112.02	4,478.76	4,035.72	52.95	34.58	75.56	-2,268.25	-1,592.56	226.28	144.21	82.07	2.803				
5,300.00	4,177.98	4,572.02	4,115.19	54.37	35.58	83.88	-2,296.29	-1,632.49	242.92	156.27	86.65	2.966				
5,400.00	4,243.93	4,661.19	4,190.48	55.79	36.54	90.63	-2,322.80	-1,672.24	265.84	176.22	89.62	3.172				
5,500.00	4,309.89	4,755.19	4,270.25	57.21	37.56	96.78	-2,350.73	-1,713.38	291.73	199.75	91.98	3.414				
5,600.00	4,375.84	4,849.35	4,349.17	58.63	38.58	101.62	-2,379.81	-1,755.69	320.27	226.45	93.81					
5,700.00	4,441.79	4,945.96	4,430.69	60.05	39.64	105.93	-2,410.48	-1,797.51	349.05	253.62	95.44	3.657				
5,800.00	4,507.75	5,037.38	4,505.28	61.47	40.69	108.70	-2,441.37	-1,840.37	379.54	282.64	96.90	3.917				
5,900.00	4,573.70	5,134.96	4,584.28	62.89	41.84	111.06	-2,475.11	-1,886.64	410.39	311.70	98.69	4.158				
6,000.00	4,639.66	5,230.06	4,663.58	64.31	42.91	113.61	-2,507.07	-1,928.28	440.98	340.92	100.06	4.407				
6,100.00	4,705.61	5,321.53	4,738.58	65.73	43.95	115.45	-2,538.27	-1,970.31	472.69	371.26	101.43	4.660				
6,200.00	4,771.56	5,419.27	4,818.33	67.15	45.09	117.09	-2,572.13	-2,015.56	504.48	401.36	103.11	4.892				
6,300.00	4,837.52	5,509.00	4,892.36	68.57	46.11	118.60	-2,603.29	-2,055.55	535.93	431.55	104.38	5.134				
6,400.00	4,903.47	5,588.73	4,958.04	69.99	47.03	119.76	-2,629.96	-2,092.02	569.30	463.98	105.32	5.406				
6,500.00	4,969.43	5,674.12	5,028.22	71.41	48.01	120.79	-2,656.59	-2,132.73	605.41	498.85	106.56	5.681				
6,600.00	5,035.38	5,766.78	5,106.58	72.83	49.01	122.18	-2,684.04	-2,173.81	642.18	534.35	107.83	5.956				
6,700.00	5,101.33	5,849.77	5,178.83	74.25	49.84	123.66	-2,707.41	-2,207.30	679.54	571.09	108.44	6.266				
6,800.00	5,167.29	5,940.80	5,258.38	75.67	50.75	125.14	-2,731.81	-2,244.21	718.57	609.21	109.35	6.571				
6,900.00	5,233.24	6,027.66	5,332.80	77.10	51.67	126.19	-2,756.44	-2,281.59	757.13	646.73	110.40	6.858				
7,000.00	5,299.20	6,105.03	5,397.19	78.52	52.52	126.72	-2,777.55	-2,318.93	797.80	686.36	111.44	7.159				
7,100.00	5,365.15	6,207.34	5,483.45	79.94	53.67	127.51	-2,805.28	-2,366.41	838.43	725.03	113.40	7.394				
7,200.00	5,431.10	6,309.60	5,568.15	81.36	54.84	128.04	-2,834.81	-2,415.49	877.79	762.27	115.52	7.599				
7,300.00	5,497.06	6,401.46	5,641.78	82.79	55.95	128.19	-2,862.54	-2,462.90	916.60	799.05	117.55	7.798				
7,400.00	5,563.01	6,512.25	5,732.89	84.21	57.26	128.62	-2,895.30	-2,516.72	955.66	835.62	120.04	7.961				
7,500.00	5,628.97	6,627.38	5,827.72	85.63	58.56	129.14	-2,933.22	-2,569.83	990.84	868.40	122.44	8.093				
7,600.00	5,694.92	6,708.13	5,896.71	87.06	59.42	129.77	-2,958.96	-2,602.96	1,026.47	903.02	123.45	8.315				
7,700.00	5,760.87	6,799.84	5,975.38	88.48	60.38	130.46	-2,987.16	-2,640.71	1,063.29	938.55	124.74	8.524				
7,800.00	5,826.83	6,895.82	6,055.98	89.90	61.43	130.94	-3,017.86	-2,682.83	1,099.43	973.05	126.38	8.699				
7,900.00	5,892.78	6,984.96	6,130.04	91.33	62.43	131.27	-3,046.20	-2,723.52	1,136.05	1,008.08	127.97	8.877				
8,000.00	5,958.74	7,080.43	6,209.63	92.75	63.50	131.63	-3,076.57	-2,766.64	1,172.64	1,042.92	129.72	9.040				
8,100.00	6,024.69	7,174.54	6,289.01	94.17	64.52	132.06	-3,106.47	-2,807.40	1,209.08	1,077.78	131.30	9.208				
8,200.00	6,090.64	7,261.12	6,362.02	95.60	65.47	132.44	-3,133.91	-2,844.96	1,245.66	1,112.97	132.69	9.388				
8,300.00	6,156.60	7,345.38	6,432.52	97.02	66.40	132.71	-3,160.02	-2,883.01	1,283.14	1,149.00	134.13	9.566				
8,400.00	6,222.55	7,442.28	6,513.41	98.45	67.49	132.99	-3,190.45	-2,926.84	1,320.24	1,184.29	135.96	9.711				
8,500.00	6,288.51	7,515.00	6,574.62	99.87	68.29	133.22	-3,212.40	-2,959.39	1,358.46	1,221.40	137.05	9.912				
8,600.00	6,354.46	7,585.90	6,634.87	101.29	69.05	133.47	-3,232.74	-2,990.75	1,398.06	1,260.03	138.03	10.128				
8,700.00	6,420.41	7,682.71	6,717.29	102.72	70.09	133.79	-3,260.04	-3,033.56	1,438.22	1,298.45	139.77	10.290				
8,800.00	6,486.37	7,761.31	6,783.86	104.14	70.93	134.02	-3,282.42	-3,068.84	1,478.24	1,337.22	141.02	10.483				
8,900.00	6,552.32	7,801.00	6,818.05	105.57	71.35	134.17	-3,293.23	-3,085.87	1,519.90	1,378.89	141.01	10.779				
9,000.00	6,618.28	7,850.81	6,860.48	106.99	71.91	134.29	-3,305.48	-3,108.87	1,564.14	1,422.77	141.36	11.065				
9,100.00	6,684.23	7,896.00	6,897.50	108.42	72.41	134.25	-3,314.64	-3,133.08	1,611.79	1,470.12	141.67	11.377				
9,200.00	6,750.18	7,896.00	6,897.50	109.84	72.41	134.25	-3,314.64	-3,133.08	1,662.50	1,522.53	139.97	11.878				
9,300.00	6,816.14	7,957.23	6,944.88	111.26	73.22	133.99	-3,324.48	-3,170.54	1,715.01	1,573.75	141.26	12.141				
9,400.00	6,882.09	7,992.00	6,970.15	112.69	73.67	133.75	-3,328.90	-3,194.01	1,770.31	1,629.03	141.27	12.531				
9,500.00	6,948.05	8,050.29	7,009.62	114.11	74.55	133.19	-3,335.33	-3,236.39	1,827.34	1,684.49	142.85	12.792				
9,600.00	7,014.00	8,192.92	7,088.20	115.54	76.93	131.15	-3,352.48	-3,353.75	1,884.85	1,734.56	150.30	12.541				
9,700.00	7,079.88	8,272.54	7,119.63	116.97	78.45	127.24	-3,364.64	-3,425.83	1,940.50	1,786.52	153.98	12.602				
9,800.00	7,142.10	8,339.26	7,139.71	118.48	79.78	113.94	-3,375.05	-3,488.58	1,992.04	1,835.47	156.57	12.723				
9,900.00	7,197.32	8,374.00	7,148.10	120.08	80.48	104.02	-3,380.43	-3,521.86	2,036.12	1,879.63	156.48	13.012				
10,000.00	7,243.87	8,423.52	7,157.65	121.71	81.49	96.48	-3,387.17	-3,569.97	2,072.02	1,914.83	157.19	13.181				
10,100.00	7,280.34	8,469.00	7,163.94	123.32	82.42	91.22	-3,391.79	-3,614.76	2,099.53	1,942.14	157.38	13.340				
10,200.00	7,305.62	8,567.41	7,174.08	124.84	84.44	87.80	-3,400.89	-3,712.23	2,116.37	1,954.89	161.48	13.106				

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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	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)						
10,300.00	7,318.93	8,604.87	7,177.24	126.22	85.21	86.48	-3,404.06	-3,749.41	2,121.28	1,960.34	160.94	13.180					
10,400.00	7,321.00	8,660.00	7,180.72	127.44	86.35	86.52	-3,407.00	-3,804.35	2,117.34	1,955.56	161.78	13.088					
10,500.00	7,321.00	8,704.19	7,182.87	128.66	87.25	86.58	-3,408.35	-3,848.46	2,113.52	1,951.79	161.73	13.068					
10,600.00	7,321.00	8,777.34	7,185.98	129.91	88.75	86.66	-3,409.81	-3,921.54	2,111.29	1,947.31	163.98	12.875					
10,700.00	7,321.00	8,858.54	7,187.57	131.19	90.43	86.70	-3,410.63	-4,002.71	2,110.18	1,943.30	166.88	12.645					
10,800.00	7,321.00	8,993.84	7,186.61	132.51	93.27	86.67	-3,412.85	-4,137.99	2,108.61	1,934.42	174.20	12.105					
10,900.00	7,321.00	9,098.57	7,186.51	133.87	95.51	86.66	-3,415.79	-4,242.68	2,105.84	1,926.74	179.10	11.758					
11,000.00	7,321.00	9,185.71	7,185.48	135.26	97.40	86.63	-3,417.91	-4,329.78	2,103.50	1,920.90	182.60	11.519					
11,100.00	7,321.00	9,274.73	7,183.47	136.68	99.35	86.58	-3,419.60	-4,418.76	2,101.77	1,915.49	186.28	11.283					
11,200.00	7,321.00	9,395.37	7,181.92	138.14	102.02	86.53	-3,421.74	-4,539.37	2,100.18	1,907.56	192.62	10.903					
11,300.00	7,321.00	9,520.00	7,183.00	139.63	104.84	86.55	-3,426.53	-4,663.90	2,096.12	1,896.76	199.36	10.514					
11,400.00	7,321.00	9,591.80	7,182.28	141.15	106.47	86.53	-3,429.37	-4,735.63	2,092.50	1,890.75	201.75	10.371					
11,500.00	7,321.00	9,664.10	7,178.14	142.70	108.11	86.41	-3,430.63	-4,807.80	2,091.06	1,886.93	204.13	10.244					
11,600.00	7,321.00	9,853.21	7,169.75	144.29	112.47	86.17	-3,436.48	-4,996.58	2,088.59	1,872.42	216.17	9.662					
11,700.00	7,321.00	9,997.00	7,170.96	145.91	115.88	86.19	-3,447.14	-5,139.95	2,080.66	1,856.10	224.55	9.266					
11,800.00	7,321.00	10,057.44	7,171.65	147.55	117.32	86.20	-3,452.06	-5,200.17	2,073.19	1,846.96	226.23	9.164					
11,900.00	7,321.00	10,144.66	7,172.29	149.23	119.41	86.21	-3,455.92	-5,287.29	2,068.66	1,838.59	230.08	8.991					
12,000.00	7,321.00	10,232.21	7,173.02	150.93	121.50	86.22	-3,460.58	-5,374.72	2,063.42	1,829.45	233.97	8.819					
12,100.00	7,321.00	10,283.00	7,173.06	152.67	122.72	86.22	-3,461.82	-5,425.49	2,060.70	1,825.95	234.75	8.778					
12,200.00	7,321.00	10,412.46	7,173.43	154.43	125.83	86.22	-3,465.67	-5,554.88	2,057.62	1,815.41	242.21	8.495					
12,300.00	7,321.00	10,475.00	7,172.12	156.22	127.34	86.18	-3,467.04	-5,617.39	2,055.47	1,811.51	243.96	8.425					
12,400.00	7,321.00	10,561.25	7,168.92	158.04	129.42	86.09	-3,467.95	-5,703.57	2,054.65	1,806.94	247.71	8.295					
12,459.45	7,321.00	10,595.33	7,167.57	159.13	130.24	86.05	-3,468.17	-5,737.62	2,054.48	1,806.05	248.44	8.270					
12,500.00	7,321.00	10,615.12	7,166.73	159.88	130.71	86.03	-3,468.05	-5,757.39	2,054.87	1,806.26	248.61	8.266					
12,600.00	7,321.00	10,666.00	7,164.35	161.75	131.93	85.97	-3,466.83	-5,808.20	2,057.57	1,808.43	249.14	8.259					
12,700.00	7,321.00	10,799.07	7,157.74	163.64	135.14	85.79	-3,463.81	-5,941.07	2,060.09	1,803.02	257.07	8.014					
12,800.00	7,321.00	10,888.95	7,153.99	165.56	137.32	85.69	-3,461.68	-6,030.85	2,062.78	1,801.63	261.14	7.899					
12,900.00	7,321.00	11,004.53	7,152.96	167.49	140.14	85.67	-3,459.15	-6,146.39	2,065.04	1,797.43	267.61	7.717					
13,000.00	7,321.00	11,100.97	7,152.11	169.46	142.50	85.65	-3,457.36	-6,242.81	2,066.99	1,794.62	272.37	7.589					
13,100.00	7,321.00	11,211.13	7,150.41	171.44	145.22	85.60	-3,455.17	-6,352.93	2,069.15	1,790.79	278.36	7.433					
13,200.00	7,321.00	11,314.86	7,150.94	173.45	147.79	85.62	-3,453.67	-6,456.65	2,070.57	1,786.75	283.82	7.295					
13,300.00	7,321.00	11,373.58	7,151.06	175.47	149.25	85.63	-3,452.41	-6,515.35	2,072.85	1,787.64	285.21	7.268					
13,400.00	7,321.00	11,431.00	7,150.71	177.52	150.67	85.62	-3,449.62	-6,572.70	2,077.59	1,791.19	286.40	7.254					
13,500.00	7,321.00	11,582.19	7,150.26	179.58	154.43	85.62	-3,444.70	-6,723.80	2,080.38	1,784.09	296.29	7.021					
13,600.00	7,321.00	11,831.89	7,151.32	181.67	160.73	85.65	-3,445.82	-6,973.37	2,080.07	1,765.67	314.40	6.616					
13,700.00	7,321.00	11,918.30	7,151.59	183.77	162.94	85.65	-3,449.11	-7,059.72	2,076.29	1,757.84	318.45	6.520					
13,800.00	7,321.00	12,004.00	7,151.44	185.89	165.13	85.64	-3,452.12	-7,145.37	2,072.87	1,750.44	322.43	6.429					
13,900.00	7,321.00	12,099.00	7,151.00	188.02	167.56	85.62	-3,454.79	-7,240.33	2,070.13	1,742.95	327.18	6.327					
14,000.00	7,321.00	12,197.68	7,149.74	190.18	170.09	85.58	-3,457.17	-7,338.97	2,067.85	1,735.62	332.23	6.224					
14,100.00	7,321.00	12,309.79	7,147.26	192.35	172.96	85.51	-3,460.80	-7,451.00	2,064.79	1,726.40	338.39	6.102					
14,200.00	7,321.00	12,385.00	7,147.10	194.53	174.90	85.50	-3,462.67	-7,526.18	2,062.34	1,720.84	341.50	6.039					
14,300.00	7,321.00	12,480.00	7,147.81	196.73	177.35	85.51	-3,464.92	-7,621.15	2,059.99	1,713.69	346.30	5.949					
14,400.00	7,321.00	12,551.12	7,149.27	198.95	179.18	85.55	-3,465.98	-7,692.24	2,058.56	1,709.52	349.04	5.898					
14,428.87	7,321.00	12,575.00	7,150.38	199.59	179.79	85.58	-3,465.85	-7,716.09	2,058.61	1,708.48	350.13	5.880					
14,500.00	7,321.00	12,624.86	7,153.05	201.17	181.07	85.66	-3,465.23	-7,765.88	2,059.15	1,707.14	352.01	5.850					
14,600.00	7,321.00	12,714.97	7,158.02	203.42	183.39	85.80	-3,463.69	-7,855.83	2,060.46	1,704.02	356.45	5.781					
14,700.00	7,321.00	12,807.95	7,163.13	205.67	185.78	85.94	-3,461.77	-7,948.65	2,062.16	1,701.01	361.15	5.710					
14,800.00	7,321.00	12,906.22	7,164.15	207.94	188.31	85.98	-3,459.77	-8,046.89	2,064.14	1,697.88	366.27	5.636					
14,900.00	7,321.00	13,011.64	7,163.26	210.22	191.03	85.95	-3,457.94	-8,152.29	2,065.97	1,693.97	372.00	5.554					
15,000.00	7,321.00	13,094.58	7,161.79	212.51	193.17	85.92	-3,456.52	-8,235.21	2,067.87	1,692.19	375.68	5.504					
15,100.00	7,321.00	13,274.95	7,159.33	214.81	197.85	85.85	-3,454.74	-8,415.49	2,069.41	1,681.41	388.01	5.333					
15,200.00	7,321.00	13,362.07	7,161.05	217.12	200.12	85.90	-3,455.46	-8,502.60	2,068.46	1,676.25	392.20	5.274					

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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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	7,321.00	13,476.89	7,165.09	219.45	203.11	86.01	-3,456.31	-8,617.34	2,067.53	1,668.71	398.82	5.184				
15,400.00	7,321.00	13,642.99	7,165.90	221.78	207.46	86.02	-3,461.21	-8,783.34	2,064.65	1,655.13	409.52	5.042				
15,500.00	7,321.00	13,759.47	7,163.31	224.13	210.52	85.94	-3,467.65	-8,899.60	2,059.27	1,643.25	416.02	4.950				
15,600.00	7,321.00	13,897.08	7,159.93	226.48	214.13	85.83	-3,475.97	-9,036.91	2,053.65	1,629.59	424.06	4.843				
15,700.00	7,321.00	13,966.07	7,158.58	228.85	215.95	85.78	-3,480.83	-9,105.72	2,046.89	1,619.93	426.96	4.794				
15,800.00	7,321.00	14,005.00	7,158.11	231.22	216.97	85.76	-3,482.88	-9,144.59	2,042.26	1,614.91	427.35	4.779				
15,900.00	7,321.00	14,100.00	7,156.78	233.60	219.47	85.72	-3,485.67	-9,239.54	2,039.47	1,607.29	432.19	4.719				
15,988.60	7,321.00	14,137.14	7,156.11	235.72	220.44	85.70	-3,485.93	-9,276.67	2,038.60	1,606.16	432.44	4.714				
16,000.00	7,321.00	14,144.43	7,155.99	235.99	220.63	85.70	-3,485.94	-9,283.97	2,038.60	1,605.93	432.68	4.712				
16,100.00	7,321.00	14,228.00	7,154.74	238.39	222.83	85.66	-3,485.20	-9,367.51	2,039.55	1,603.07	436.48	4.673				
16,200.00	7,321.00	14,339.79	7,152.70	240.79	225.76	85.61	-3,485.13	-9,479.29	2,039.73	1,596.93	442.80	4.606				
16,300.00	7,321.00	14,454.63	7,148.95	243.21	228.78	85.50	-3,484.91	-9,594.07	2,040.27	1,590.94	449.34	4.541				
16,400.00	7,321.00	14,557.68	7,145.51	245.63	231.49	85.40	-3,485.88	-9,697.05	2,039.62	1,584.79	454.83	4.484				
16,500.00	7,321.00	14,693.10	7,140.19	248.06	235.06	85.25	-3,488.37	-9,832.34	2,038.09	1,575.06	463.03	4.402				
16,600.00	7,321.00	14,768.00	7,136.54	250.49	237.03	85.14	-3,489.80	-9,907.14	2,036.59	1,570.49	466.10	4.369				
16,700.00	7,321.00	14,904.95	7,129.90	252.93	240.64	84.95	-3,493.66	-10,043.86	2,034.04	1,559.70	474.35	4.288				
16,800.00	7,321.00	14,987.24	7,124.70	255.38	242.81	84.79	-3,496.00	-10,125.95	2,031.78	1,553.76	478.02	4.250				
16,900.00	7,321.00	15,091.93	7,115.25	257.84	245.56	84.52	-3,498.83	-10,230.17	2,029.96	1,546.53	483.43	4.199				
17,000.00	7,321.00	15,254.22	7,100.32	260.30	249.83	84.08	-3,505.93	-10,391.61	2,026.66	1,533.40	493.26	4.109				
17,100.00	7,321.00	15,294.01	7,096.84	262.76	250.88	83.98	-3,507.59	-10,431.21	2,023.18	1,529.59	493.59	4.099				
17,188.41	7,321.00	15,340.00	7,092.60	264.95	252.09	83.86	-3,508.45	-10,477.00	2,022.30	1,527.83	494.46	4.090				
17,200.00	7,321.00	15,343.23	7,092.29	265.24	252.18	83.85	-3,508.47	-10,480.22	2,022.32	1,528.00	494.32	4.091				
17,300.00	7,321.00	15,481.25	7,080.82	267.72	255.81	83.52	-3,511.33	-10,617.72	2,021.00	1,518.44	502.56	4.021				
17,400.00	7,321.00	15,571.32	7,072.79	270.20	258.19	83.28	-3,513.32	-10,707.41	2,019.85	1,513.14	506.71	3.986				
17,500.00	7,321.00	15,671.30	7,063.47	272.69	260.82	83.01	-3,515.46	-10,806.93	2,018.86	1,507.20	511.66	3.946				
17,521.42	7,321.00	15,673.00	7,063.31	273.22	260.87	83.01	-3,515.50	-10,808.63	2,018.74	1,507.69	511.05	3.950				
17,600.00	7,321.00	15,673.00	7,063.31	275.18	260.87	83.01	-3,515.50	-10,808.63	2,020.27	1,512.44	507.83	3.978				
17,700.00	7,321.00	15,673.00	7,063.31	277.68	260.87	83.01	-3,515.50	-10,808.63	2,026.63	1,523.92	502.71	4.031				
17,800.00	7,321.00	15,673.00	7,063.31	280.19	260.87	83.00	-3,515.50	-10,808.63	2,037.92	1,541.44	496.48	4.105				
17,900.00	7,321.00	15,673.00	7,063.31	282.71	260.87	82.96	-3,515.50	-10,808.63	2,056.23	1,566.95	489.28	4.203				
18,000.00	7,321.00	15,673.00	7,063.31	285.26	260.87	82.89	-3,515.50	-10,808.63	2,082.53	1,601.24	481.28	4.327				
18,100.00	7,321.00	15,673.00	7,063.31	287.83	260.87	82.80	-3,515.50	-10,808.63	2,116.49	1,643.80	472.68	4.478				
18,200.00	7,321.00	15,673.00	7,063.31	290.41	260.87	82.69	-3,515.50	-10,808.63	2,157.70	1,694.02	463.68	4.653				
18,300.00	7,321.00	15,673.00	7,063.31	293.00	260.87	82.58	-3,515.50	-10,808.63	2,205.65	1,751.18	454.48	4.853				
18,400.00	7,321.00	15,673.00	7,063.31	295.59	260.87	82.58	-3,515.50	-10,808.63	2,257.91	1,812.80	445.11	5.073				
18,500.00	7,321.00	15,673.00	7,063.31	298.19	260.87	82.58	-3,515.50	-10,808.63	2,313.31	1,877.69	435.62	5.310				
18,600.00	7,321.00	15,673.00	7,063.31	300.78	260.87	82.58	-3,515.50	-10,808.63	2,371.64	1,945.54	426.10	5.566				
18,700.00	7,321.00	15,673.00	7,063.31	303.38	260.87	82.58	-3,515.50	-10,808.63	2,432.67	2,016.05	416.62	5.839				
18,800.00	7,321.00	15,673.00	7,063.31	305.98	260.87	82.58	-3,515.50	-10,808.63	2,496.23	2,088.98	407.24	6.130				
18,900.00	7,321.00	15,673.00	7,063.31	308.58	260.87	82.58	-3,515.50	-10,808.63	2,562.11	2,164.09	398.02	6.437				
19,000.00	7,321.00	15,673.00	7,063.31	311.18	260.87	82.58	-3,515.50	-10,808.63	2,630.15	2,241.17	388.98	6.762				
19,100.00	7,321.00	15,673.00	7,063.31	313.78	260.87	82.58	-3,515.50	-10,808.63	2,700.17	2,320.01	380.16	7.103				
19,200.00	7,321.00	15,673.00	7,063.31	316.39	260.87	82.58	-3,515.50	-10,808.63	2,772.03	2,400.46	371.58	7.460				
19,300.00	7,321.00	15,673.00	7,063.31	318.99	260.87	82.58	-3,515.50	-10,808.63	2,845.60	2,482.34	363.25	7.834				
19,400.00	7,321.00	15,673.00	7,063.31	321.60	260.87	82.58	-3,515.50	-10,808.63	2,920.73	2,565.53	355.20	8.223				
19,500.00	7,321.00	15,673.00	7,063.31	324.21	260.87	82.62	-3,515.50	-10,808.63	2,997.31	2,649.89	347.41	8.628				
19,600.00	7,321.00	15,673.00	7,063.31	326.81	260.87	82.92	-3,515.50	-10,808.63	3,073.90	2,734.20	339.70	9.049				
19,700.00	7,321.00	15,673.00	7,063.31	329.42	260.87	83.20	-3,515.50	-10,808.63	3,149.62	2,817.67	331.95	9.488				
19,800.00	7,321.00	15,673.00	7,063.31	332.01	260.87	83.46	-3,515.50	-10,808.63	3,224.43	2,900.27	324.16	9.947				
19,900.00	7,321.00	15,673.00	7,063.31	334.60	260.87	83.70	-3,515.50	-10,808.63	3,298.31	2,981.98	316.32	10.427				
20,000.00	7,321.00	15,673.00	7,063.31	337.16	260.87	83.93	-3,515.50	-10,808.63	3,371.23	3,062.77	308.45	10.929				
20,100.00	7,321.00	15,673.00	7,063.31	339.72	260.87	83.96	-3,515.50	-10,808.63	3,444.09	3,143.43	300.67	11.455				

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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	
20,200.00	7,321.00	15,673.00	7,063.31	342.28	260.87	83.96	-3,515.50	-10,808.63	3,518.28	3,225.14	293.14	12.002	
20,300.00	7,321.00	15,673.00	7,063.31	344.84	260.87	83.96	-3,515.50	-10,808.63	3,593.72	3,307.85	285.87	12.571	
20,400.00	7,321.00	15,673.00	7,063.31	347.40	260.87	83.96	-3,515.50	-10,808.63	3,670.33	3,391.47	278.86	13.162	
20,500.00	7,321.00	15,673.00	7,063.31	349.97	260.87	83.96	-3,515.50	-10,808.63	3,748.04	3,475.94	272.10	13.775	
20,540.60	7,321.00	15,673.00	7,063.31	351.01	260.87	83.96	-3,515.50	-10,808.63	3,779.89	3,510.47	269.43	14.029	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	102.14	102.13	0.27	0.15	-170.76	-1,378.14	-224.17	1,396.32	1,395.91	0.41	3,383.554		
200.00	200.00	200.10	200.08	0.63	0.43	-170.81	-1,377.28	-222.73	1,395.23	1,394.17	1.06	1,314.858		
295.65	295.65	283.68	283.66	0.97	0.72	-170.82	-1,376.92	-222.43	1,394.77	1,393.07	1.69	823.004		
300.00	300.00	287.40	287.38	0.99	0.74	-170.82	-1,376.92	-222.45	1,394.77	1,393.05	1.72	809.445		
400.00	400.00	388.61	388.58	1.34	1.08	-170.78	-1,376.96	-223.55	1,394.99	1,392.56	2.43	574.363		
500.00	499.98	488.60	488.56	1.69	1.43	-21.35	-1,376.61	-224.86	1,393.23	1,390.11	3.12	446.367		
600.00	599.84	575.22	575.18	2.03	1.74	-21.42	-1,376.76	-225.78	1,388.71	1,384.94	3.76	368.867		
700.00	699.45	656.31	656.24	2.38	2.02	-21.49	-1,377.70	-227.79	1,382.14	1,377.74	4.40	314.276		
800.00	798.70	738.63	738.46	2.75	2.32	-21.59	-1,379.64	-231.03	1,373.72	1,368.68	5.04	272.351		
900.00	897.47	821.77	821.46	3.15	2.62	-21.72	-1,382.39	-235.10	1,363.18	1,357.48	5.70	239.041		
1,000.00	995.62	891.00	890.48	3.58	2.87	-21.85	-1,385.45	-239.52	1,350.87	1,344.55	6.32	213.790		
1,100.00	1,093.06	963.94	963.04	4.04	3.14	-22.00	-1,390.02	-245.32	1,337.39	1,330.43	6.96	192.118		
1,200.00	1,189.64	1,036.60	1,035.10	4.54	3.43	-22.16	-1,396.23	-252.28	1,323.05	1,315.44	7.62	173.706		
1,300.00	1,285.27	1,114.48	1,112.07	5.08	3.74	-22.32	-1,403.97	-261.29	1,307.23	1,298.92	8.31	157.325		
1,400.00	1,379.82	1,192.14	1,188.62	5.67	4.06	-22.52	-1,412.71	-271.03	1,289.69	1,280.67	9.02	142.978		
1,500.00	1,473.17	1,272.00	1,266.85	6.30	4.41	-22.69	-1,423.07	-283.21	1,270.98	1,261.21	9.76	130.190		
1,600.00	1,565.21	1,338.59	1,331.64	6.99	4.72	-22.84	-1,432.70	-295.20	1,250.95	1,240.48	10.47	119.438		
1,700.00	1,655.84	1,409.00	1,399.72	7.73	5.07	-22.98	-1,443.80	-309.31	1,229.60	1,218.37	11.23	109.503		
1,800.00	1,744.94	1,477.44	1,465.25	8.52	5.42	-23.09	-1,456.00	-324.84	1,207.52	1,195.52	12.00	100.632		
1,900.00	1,832.39	1,556.00	1,539.84	9.37	5.86	-23.18	-1,471.27	-344.17	1,184.25	1,171.40	12.85	92.139		
2,000.00	1,918.11	1,641.38	1,620.29	10.27	6.37	-23.27	-1,488.82	-366.74	1,159.30	1,145.52	13.78	84.128		
2,100.00	2,001.97	1,714.76	1,689.26	11.22	6.83	-23.44	-1,504.49	-386.33	1,132.19	1,117.51	14.67	77.164		
2,200.00	2,083.88	1,783.57	1,753.24	12.23	7.28	-23.63	-1,520.76	-405.70	1,104.43	1,088.86	15.57	70.935		
2,300.00	2,163.74	1,858.00	1,821.49	13.29	7.79	-23.76	-1,539.40	-428.79	1,075.59	1,059.06	16.53	65.061		
2,400.00	2,241.45	1,932.86	1,889.13	14.40	8.36	-23.85	-1,559.11	-454.09	1,045.57	1,028.03	17.54	59.606		
2,500.00	2,316.92	2,014.15	1,961.59	15.57	9.01	-23.90	-1,581.52	-483.33	1,014.20	995.58	18.63	54.452		
2,600.00	2,390.05	2,090.10	2,028.49	16.78	9.65	-23.94	-1,603.02	-512.14	981.07	961.36	19.71	49.777		
2,700.00	2,460.76	2,160.71	2,089.60	18.05	10.28	-23.96	-1,624.18	-540.49	947.11	926.33	20.79	45.563		
2,800.00	2,528.95	2,239.00	2,155.54	19.37	11.03	-23.82	-1,648.79	-574.75	912.56	890.62	21.94	41.594		
2,900.00	2,595.08	2,340.80	2,240.74	20.72	12.05	-23.32	-1,680.78	-620.36	876.11	852.83	23.28	37.637		
3,000.00	2,661.04	2,404.66	2,294.19	22.08	12.70	-22.95	-1,701.47	-648.53	840.15	815.80	24.35	34.500		
3,100.00	2,726.99	2,511.68	2,383.35	23.46	13.80	-22.34	-1,737.71	-695.31	805.78	780.07	25.71	31.337		
3,200.00	2,792.94	2,582.98	2,443.21	24.84	14.54	-21.95	-1,761.62	-725.77	770.83	744.00	26.83	28.726		
3,300.00	2,858.90	2,674.01	2,518.26	26.22	15.50	-21.37	-1,794.47	-765.44	738.66	710.60	28.06	26.326		
3,400.00	2,924.85	2,760.31	2,590.34	27.61	16.42	-20.90	-1,825.24	-801.58	705.64	676.39	29.26	24.117		
3,500.00	2,990.81	2,837.15	2,653.06	29.00	17.25	-20.37	-1,854.53	-834.93	675.60	645.26	30.35	22.262		
3,600.00	3,056.76	2,935.87	2,733.29	30.40	18.34	-19.63	-1,892.76	-877.91	646.41	614.85	31.56	20.484		
3,700.00	3,122.71	3,040.04	2,819.07	31.80	19.49	-18.94	-1,932.72	-921.46	616.27	583.47	32.80	18.788		
3,800.00	3,188.67	3,150.90	2,910.47	33.20	20.69	-17.84	-1,972.60	-969.88	584.56	550.62	33.94	17.225		
3,900.00	3,254.62	3,250.11	2,993.86	34.60	21.76	-16.86	-2,006.35	-1,011.68	550.35	515.36	34.99	15.728		
4,000.00	3,320.58	3,345.69	3,073.52	36.01	22.79	-15.55	-2,038.28	-1,053.74	516.52	480.63	35.89	14.391		
4,100.00	3,386.53	3,437.19	3,150.20	37.41	23.79	-14.18	-2,068.47	-1,093.52	482.30	445.58	36.72	13.133		
4,200.00	3,452.48	3,538.67	3,234.57	38.82	24.89	-12.21	-2,101.68	-1,139.08	448.87	411.48	37.39	12.004		
4,300.00	3,518.44	3,631.71	3,313.32	40.23	25.90	-10.24	-2,130.58	-1,179.34	413.45	375.45	38.01	10.878		
4,400.00	3,584.39	3,727.51	3,393.58	41.64	26.92	-7.67	-2,160.66	-1,222.09	379.63	341.17	38.46	9.871		
4,500.00	3,650.35	3,820.53	3,472.81	43.05	27.91	-4.98	-2,189.32	-1,261.53	344.73	305.81	38.91	8.859		
4,600.00	3,716.30	3,907.33	3,546.21	44.46	28.83	-2.08	-2,217.45	-1,298.35	312.07	272.70	39.37	7.927		
4,700.00	3,782.25	3,993.55	3,618.14	45.88	29.78	1.51	-2,246.23	-1,336.17	282.29	242.43	39.87	7.081		
4,800.00	3,848.21	4,079.30	3,687.98	47.29	30.77	6.11	-2,275.73	-1,376.23	257.05	216.40	40.65	6.323		
4,900.00	3,914.16	4,169.63	3,760.36	48.71	31.85	11.77	-2,308.11	-1,419.49	236.34	194.02	42.31	5.585		
5,000.00	3,980.12	4,262.52	3,834.21	50.12	32.98	18.44	-2,342.13	-1,464.40	219.68	174.24	45.44	4.835		
5,100.00	4,046.07	4,356.26	3,908.28	51.54	34.13	25.75	-2,377.57	-1,509.63	207.36	157.06	50.31	4.122		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	4,112.02	4,453.49	3,984.86	52.95	35.31	33.60	-2,415.76	-1,555.78	199.10	142.20	56.90	3.499		
5,300.00	4,177.98	4,559.03	4,069.75	54.37	36.55	42.65	-2,456.89	-1,603.09	192.03	126.79	65.23	2.944		
5,400.00	4,243.93	4,661.76	4,156.02	55.79	37.66	52.82	-2,494.16	-1,644.56	184.16	109.44	74.73	2.464		
5,485.70	4,300.45	4,741.18	4,223.78	57.01	38.49	61.68	-2,521.25	-1,675.90	181.35	98.50	82.86	2.189 CC		
5,500.00	4,309.89	4,754.23	4,234.88	57.21	38.63	63.14	-2,525.72	-1,681.10	181.44	97.31	84.12	2.157		
5,600.00	4,375.84	4,844.55	4,310.83	58.63	39.60	72.60	-2,557.89	-1,717.90	186.43	94.79	91.64	2.034 ES, SF		
5,700.00	4,441.79	4,934.64	4,384.34	60.05	40.62	80.47	-2,591.38	-1,757.74	199.66	102.80	96.86	2.061		
5,800.00	4,507.75	5,030.93	4,462.90	61.47	41.74	87.75	-2,627.63	-1,800.02	216.30	115.38	100.92	2.143		
5,900.00	4,573.70	5,117.98	4,533.26	62.89	42.76	93.22	-2,659.47	-1,840.17	238.23	134.99	103.24	2.308		
6,000.00	4,639.66	5,218.14	4,615.30	64.31	43.91	98.89	-2,694.76	-1,885.49	262.66	156.99	105.67	2.486		
6,100.00	4,705.61	5,319.21	4,700.62	65.73	45.00	104.52	-2,730.31	-1,926.36	286.11	178.84	107.27	2.667		
6,200.00	4,771.56	5,404.04	4,773.09	67.15	45.88	108.84	-2,758.91	-1,959.91	312.33	204.80	107.53	2.905		
6,300.00	4,837.52	5,486.00	4,841.99	68.57	46.77	112.00	-2,784.81	-1,995.91	343.94	236.32	107.63	3.196		
6,400.00	4,903.47	5,573.40	4,914.92	69.99	47.74	114.66	-2,811.19	-2,036.21	378.72	270.54	108.19	3.501		
6,500.00	4,969.43	5,667.99	4,993.02	71.41	48.83	116.85	-2,840.47	-2,080.77	413.94	304.53	109.41	3.783		
6,600.00	5,035.38	5,764.43	5,071.66	72.83	49.96	118.52	-2,871.51	-2,127.17	448.86	337.92	110.94	4.046		
6,700.00	5,101.33	5,866.20	5,156.74	74.25	51.09	120.52	-2,904.21	-2,172.43	482.96	370.57	112.38	4.297		
6,800.00	5,167.29	5,957.65	5,234.59	75.67	52.04	122.41	-2,933.50	-2,210.40	516.68	403.62	113.06	4.570		
6,900.00	5,233.24	6,042.13	5,308.17	77.10	52.88	124.32	-2,969.18	-2,243.03	551.62	438.43	113.19	4.873		
7,000.00	5,299.20	6,142.90	5,396.63	78.52	53.87	126.44	-2,988.68	-2,281.22	588.05	474.17	113.88	5.164		
7,100.00	5,365.15	6,260.73	5,497.92	79.94	55.06	128.34	-3,027.91	-2,326.83	621.35	506.02	115.34	5.387		
7,200.00	5,431.10	6,355.34	5,577.36	81.36	56.09	129.42	-3,061.82	-2,365.42	652.98	536.56	116.42	5.609		
7,300.00	5,497.06	6,447.24	5,653.86	82.79	57.09	130.25	-3,094.73	-2,404.26	685.05	567.46	117.59	5.826		
7,400.00	5,563.01	6,529.35	5,723.61	84.21	57.96	131.13	-3,123.11	-2,437.02	718.13	599.88	118.25	6.073		
7,500.00	5,628.97	6,605.90	5,788.92	85.63	58.76	131.88	-3,148.17	-2,468.10	753.25	634.49	118.76	6.343		
7,600.00	5,694.92	6,686.03	5,857.71	87.06	59.59	132.61	-3,172.65	-2,501.07	790.60	671.18	119.42	6.621		
7,700.00	5,760.87	6,780.57	5,938.21	88.48	60.60	133.28	-3,201.40	-2,541.46	828.43	707.66	120.77	6.859		
7,800.00	5,826.83	6,890.01	6,028.83	89.90	61.84	133.63	-3,235.84	-2,592.22	865.71	742.62	123.09	7.033		
7,900.00	5,892.78	6,995.74	6,115.92	91.33	63.03	133.98	-3,271.83	-2,640.13	900.29	775.11	125.18	7.192		
8,000.00	5,958.74	7,086.65	6,193.97	92.75	63.96	134.68	-3,301.98	-2,675.63	935.28	809.09	126.19	7.412		
8,100.00	6,024.69	7,240.08	6,327.12	94.17	65.46	136.12	-3,355.69	-2,729.53	968.79	840.70	128.09	7.563		
8,200.00	6,090.64	7,324.00	6,397.28	95.60	66.37	136.56	-3,387.61	-2,762.71	999.21	870.05	129.16	7.736		
8,300.00	6,156.60	7,384.81	6,447.90	97.02	67.05	136.80	-3,409.79	-2,788.09	1,031.40	901.60	129.80	7.946		
8,400.00	6,222.55	7,454.00	6,505.68	98.45	67.81	137.01	-3,433.18	-2,818.10	1,066.33	935.67	130.66	8.161		
8,500.00	6,288.51	7,545.02	6,581.98	99.87	68.83	137.25	-3,462.66	-2,858.02	1,102.75	970.54	132.20	8.341		
8,600.00	6,354.46	7,660.04	6,675.44	101.29	70.17	137.28	-3,502.02	-2,912.27	1,137.35	1,002.49	134.86	8.433		
8,700.00	6,420.41	7,739.60	6,739.63	102.72	71.11	137.26	-3,529.35	-2,950.52	1,171.98	1,035.56	136.42	8.591		
8,800.00	6,486.37	7,808.61	6,797.67	104.14	71.88	137.44	-3,551.68	-2,980.38	1,208.41	1,071.11	137.30	8.801		
8,900.00	6,552.32	7,897.00	6,872.86	105.57	72.82	137.73	-3,579.36	-3,017.72	1,245.88	1,107.24	138.64	8.987		
9,000.00	6,618.28	7,970.69	6,934.51	106.99	73.65	137.84	-3,601.85	-3,051.21	1,284.20	1,144.43	139.77	9.188		
9,100.00	6,684.23	8,037.41	6,988.93	108.42	74.44	137.77	-3,621.19	-3,084.60	1,324.05	1,183.12	140.93	9.395		
9,200.00	6,750.18	8,103.02	7,040.05	109.84	75.28	137.48	-3,638.84	-3,121.70	1,365.78	1,223.39	142.38	9.592		
9,300.00	6,816.14	8,183.00	7,096.56	111.26	76.42	136.71	-3,659.03	-3,174.47	1,408.84	1,263.70	145.14	9.707		
9,400.00	6,882.09	8,295.58	7,166.06	112.69	78.25	135.13	-3,687.81	-3,258.17	1,451.52	1,300.98	150.54	9.642		
9,500.00	6,948.05	8,360.66	7,200.81	114.11	79.38	133.99	-3,704.23	-3,310.65	1,494.71	1,341.41	153.30	9.750		
9,600.00	7,014.00	8,426.20	7,231.09	115.54	80.59	132.67	-3,719.76	-3,366.65	1,539.81	1,383.55	156.26	9.854		
9,700.00	7,079.88	8,470.00	7,249.04	116.97	81.40	129.48	-3,729.71	-3,405.33	1,586.84	1,429.25	157.60	10.069		
9,800.00	7,142.10	8,518.11	7,266.42	118.48	82.32	117.11	-3,739.63	-3,449.07	1,631.62	1,472.79	158.83	10.273		
9,900.00	7,197.32	8,565.00	7,280.75	120.08	83.22	107.40	-3,747.69	-3,492.98	1,671.02	1,511.62	159.40	10.483		
10,000.00	7,243.87	8,626.74	7,295.02	121.71	84.43	99.97	-3,757.00	-3,552.29	1,702.99	1,542.19	160.80	10.591		
10,100.00	7,280.34	8,686.93	7,303.83	123.32	85.62	94.75	-3,765.45	-3,611.23	1,725.69	1,563.91	161.78	10.667		
10,200.00	7,305.62	8,756.00	7,313.03	124.84	86.99	91.58	-3,772.78	-3,679.28	1,739.83	1,576.50	163.33	10.652		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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				
10,300.00	7,318.93	8,795.76	7,317.71	126.22	87.77	90.33	-3,775.99	-3,718.63	1,744.15	1,581.95	162.20	10.753				
10,400.00	7,321.00	8,851.00	7,322.00	127.44	88.85	90.43	-3,779.81	-3,773.57	1,739.58	1,577.18	162.41	10.711				
10,500.00	7,321.00	8,911.82	7,325.02	128.66	90.04	90.53	-3,782.55	-3,834.24	1,735.38	1,572.28	163.10	10.640				
10,600.00	7,321.00	8,972.59	7,327.42	129.91	91.23	90.61	-3,783.34	-3,894.96	1,734.00	1,570.25	163.75	10.590				
10,651.84	7,321.00	9,016.61	7,328.66	130.57	92.08	90.65	-3,783.47	-3,938.97	1,733.88	1,568.61	165.27	10.491				
10,700.00	7,321.00	9,067.99	7,329.52	131.19	93.09	90.68	-3,783.45	-3,990.33	1,733.93	1,566.24	167.69	10.340				
10,800.00	7,321.00	9,210.18	7,328.13	132.51	95.94	90.63	-3,785.47	-4,132.49	1,732.53	1,556.41	176.12	9.837				
10,900.00	7,321.00	9,327.43	7,325.52	133.87	98.35	90.55	-3,789.25	-4,249.65	1,729.30	1,547.07	182.22	9.490				
11,000.00	7,321.00	9,390.56	7,323.86	135.26	99.66	90.49	-3,790.88	-4,312.74	1,726.73	1,543.51	183.22	9.424				
11,059.18	7,321.00	9,424.00	7,323.07	136.10	100.36	90.47	-3,791.18	-4,346.17	1,726.23	1,542.83	183.40	9.412				
11,100.00	7,321.00	9,449.12	7,322.64	136.68	100.88	90.45	-3,791.11	-4,371.28	1,726.38	1,542.66	183.72	9.397				
11,200.00	7,321.00	9,520.00	7,322.94	138.14	102.35	90.46	-3,789.25	-4,442.13	1,728.78	1,543.34	185.44	9.323				
11,300.00	7,321.00	9,598.18	7,324.71	139.63	103.97	90.52	-3,786.05	-4,520.23	1,732.72	1,544.81	187.91	9.221				
11,400.00	7,321.00	9,782.59	7,329.08	141.15	107.93	90.66	-3,784.09	-4,704.56	1,733.58	1,532.50	201.07	8.622				
11,500.00	7,321.00	9,924.52	7,332.92	142.70	111.09	90.79	-3,787.76	-4,846.38	1,730.92	1,520.99	209.94	8.245				
11,600.00	7,321.00	9,998.00	7,335.02	144.29	112.74	90.86	-3,789.79	-4,919.80	1,728.24	1,516.07	212.17	8.146				
11,695.43	7,321.00	10,060.77	7,336.12	145.83	114.15	90.90	-3,790.43	-4,982.55	1,727.32	1,513.78	213.55	8.089				
11,700.00	7,321.00	10,063.75	7,336.14	145.91	114.22	90.90	-3,790.43	-4,985.53	1,727.32	1,513.72	213.61	8.086				
11,800.00	7,321.00	10,167.79	7,335.53	147.55	116.56	90.88	-3,789.97	-5,089.57	1,727.81	1,508.97	218.84	7.895				
11,900.00	7,321.00	10,310.92	7,336.27	149.23	119.83	90.91	-3,791.67	-5,232.67	1,726.76	1,498.79	227.97	7.574				
12,000.00	7,321.00	10,502.49	7,339.24	150.93	124.34	91.01	-3,802.75	-5,423.87	1,720.63	1,479.04	241.58	7.122				
12,100.00	7,321.00	10,593.78	7,339.08	152.67	126.52	91.01	-3,810.24	-5,514.85	1,712.49	1,466.78	245.71	6.970				
12,200.00	7,321.00	10,667.00	7,339.80	154.43	128.26	91.04	-3,814.43	-5,587.94	1,706.55	1,458.39	248.16	6.877				
12,300.00	7,321.00	10,705.57	7,340.45	156.22	129.18	91.06	-3,815.65	-5,626.49	1,702.83	1,455.67	247.17	6.889				
12,397.17	7,321.00	10,763.00	7,340.85	157.99	130.54	91.07	-3,816.33	-5,683.91	1,701.72	1,453.71	248.00	6.862				
12,400.00	7,321.00	10,763.00	7,340.85	158.04	130.54	91.07	-3,816.33	-5,683.91	1,701.72	1,453.87	247.85	6.866				
12,500.00	7,321.00	10,814.02	7,341.37	159.88	131.73	91.09	-3,815.57	-5,734.91	1,703.30	1,455.55	247.75	6.875				
12,600.00	7,321.00	10,873.70	7,343.09	161.75	133.13	91.15	-3,812.82	-5,794.51	1,707.81	1,459.35	248.46	6.873				
12,700.00	7,321.00	11,034.06	7,349.58	163.64	136.91	91.36	-3,806.85	-5,954.62	1,711.77	1,451.79	259.98	6.584				
12,800.00	7,321.00	11,112.25	7,353.02	165.56	138.78	91.47	-3,805.22	-6,032.71	1,714.06	1,451.30	262.76	6.523				
12,900.00	7,321.00	11,198.39	7,355.77	167.49	140.83	91.56	-3,802.00	-6,118.75	1,717.87	1,451.50	266.37	6.449				
13,000.00	7,321.00	11,331.01	7,355.36	169.46	144.02	91.54	-3,797.64	-6,251.28	1,721.27	1,446.38	274.89	6.262				
13,100.00	7,321.00	11,405.70	7,353.54	171.44	145.82	91.48	-3,795.59	-6,325.92	1,724.01	1,446.70	277.31	6.217				
13,200.00	7,321.00	11,568.38	7,348.12	173.45	149.77	91.30	-3,792.76	-6,488.46	1,725.66	1,436.80	288.86	5.974				
13,217.03	7,321.00	11,584.07	7,347.98	173.79	150.16	91.29	-3,792.77	-6,504.15	1,725.65	1,436.06	289.59	5.959				
13,300.00	7,321.00	11,664.17	7,348.22	175.47	152.13	91.30	-3,792.69	-6,584.25	1,725.77	1,432.22	293.55	5.879				
13,400.00	7,321.00	11,775.80	7,347.53	177.52	154.89	91.28	-3,792.73	-6,695.87	1,725.76	1,425.91	299.85	5.755				
13,500.00	7,321.00	11,892.82	7,349.18	179.58	157.81	91.34	-3,794.03	-6,812.88	1,724.70	1,418.00	306.70	5.623				
13,600.00	7,321.00	11,973.25	7,349.44	181.67	159.81	91.34	-3,794.95	-6,893.29	1,723.64	1,413.74	309.90	5.562				
13,624.00	7,321.00	11,991.21	7,349.56	182.17	160.26	91.35	-3,794.99	-6,911.26	1,723.59	1,413.06	310.53	5.550				
13,700.00	7,321.00	12,051.80	7,349.92	183.77	161.77	91.36	-3,794.73	-6,971.84	1,723.95	1,411.06	312.88	5.510				
13,800.00	7,321.00	12,268.68	7,352.25	185.89	167.24	91.44	-3,800.12	-7,188.54	1,721.59	1,392.17	329.43	5.226				
13,900.00	7,321.00	12,364.13	7,354.00	188.02	169.67	91.51	-3,805.81	-7,283.80	1,715.71	1,381.52	334.20	5.134				
14,000.00	7,321.00	12,480.83	7,354.53	190.18	172.65	91.53	-3,813.36	-7,400.26	1,709.24	1,368.33	340.91	5.014				
14,100.00	7,321.00	12,559.16	7,356.18	192.35	174.65	91.59	-3,818.56	-7,478.39	1,702.81	1,358.69	344.13	4.948				
14,200.00	7,321.00	12,618.52	7,356.68	194.53	176.17	91.68	-3,821.17	-7,537.64	1,698.60	1,353.12	345.47	4.917				
14,300.00	7,321.00	12,671.00	7,360.42	196.73	177.51	91.74	-3,822.19	-7,590.08	1,696.89	1,350.95	345.94	4.905				
14,349.20	7,321.00	12,717.26	7,361.38	197.82	178.68	91.77	-3,822.39	-7,636.32	1,696.74	1,348.53	348.21	4.873				
14,400.00	7,321.00	12,766.00	7,361.64	198.95	179.92	91.78	-3,822.24	-7,685.06	1,696.91	1,346.26	350.65	4.839				
14,500.00	7,321.00	12,894.59	7,360.39	201.17	183.20	91.74	-3,823.17	-7,813.64	1,696.18	1,337.41	358.77	4.728				
14,600.00	7,321.00	12,980.19	7,357.59	203.42	185.38	91.64	-3,824.35	-7,899.18	1,694.78	1,332.25	362.53	4.675				
14,631.33	7,321.00	12,999.47	7,356.89	204.12	185.88	91.62	-3,824.41	-7,918.44	1,694.66	1,331.73	362.93	4.669				

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
14,700.00	7,321.00	13,052.00	7,355.20	205.67	187.21	91.56	-3,823.87	-7,970.95	1,695.25	1,330.41	364.84	4.647		
14,800.00	7,321.00	13,190.31	7,359.88	207.94	190.76	91.72	-3,825.06	-8,109.09	1,694.30	1,320.28	374.03	4.530		
14,900.00	7,321.00	13,301.45	7,362.70	210.22	193.62	91.82	-3,826.09	-8,220.19	1,693.57	1,313.17	380.39	4.452		
15,000.00	7,321.00	13,382.05	7,363.96	212.51	195.69	91.86	-3,827.96	-8,300.75	1,691.49	1,307.79	383.71	4.408		
15,028.77	7,321.00	13,397.18	7,364.03	213.17	196.08	91.86	-3,828.03	-8,315.88	1,691.38	1,307.55	383.83	4.407		
15,100.00	7,321.00	13,436.12	7,363.93	214.81	197.09	91.86	-3,827.64	-8,354.82	1,692.09	1,307.91	384.18	4.404		
15,200.00	7,321.00	13,529.00	7,362.08	217.12	199.47	91.80	-3,825.83	-8,447.66	1,694.01	1,305.34	388.68	4.358		
15,300.00	7,321.00	13,624.00	7,360.69	219.45	201.91	91.75	-3,823.57	-8,542.62	1,696.38	1,302.97	393.40	4.312		
15,400.00	7,321.00	13,719.00	7,360.18	221.78	204.35	91.73	-3,820.95	-8,637.58	1,699.15	1,301.01	398.14	4.268		
15,500.00	7,321.00	13,815.00	7,360.30	224.13	206.82	91.73	-3,817.98	-8,733.53	1,702.27	1,299.28	402.99	4.224		
15,600.00	7,321.00	13,907.15	7,360.84	226.48	209.19	91.74	-3,814.74	-8,825.62	1,705.82	1,298.39	407.43	4.187		
15,700.00	7,321.00	13,986.34	7,359.42	228.85	211.23	91.69	-3,811.40	-8,904.73	1,710.01	1,299.61	410.40	4.167		
15,800.00	7,321.00	14,113.80	7,356.39	231.22	214.51	91.58	-3,805.87	-9,032.02	1,714.39	1,295.66	418.73	4.094		
15,900.00	7,321.00	14,231.43	7,356.84	233.60	217.56	91.60	-3,802.68	-9,149.61	1,717.15	1,291.21	425.94	4.031		
16,000.00	7,321.00	14,341.29	7,356.65	235.99	220.41	91.59	-3,800.76	-9,259.44	1,718.91	1,286.62	432.29	3.976		
16,100.00	7,321.00	14,475.24	7,355.62	238.39	223.90	91.55	-3,799.49	-9,393.38	1,719.97	1,278.89	441.08	3.899		
16,200.00	7,321.00	14,578.00	7,357.33	240.79	226.59	91.61	-3,800.35	-9,496.12	1,719.20	1,272.53	446.67	3.849		
16,263.17	7,321.00	14,632.19	7,358.55	242.32	228.01	91.65	-3,800.69	-9,550.29	1,718.89	1,269.77	449.13	3.827		
16,300.00	7,321.00	14,659.80	7,358.88	243.21	228.73	91.66	-3,800.63	-9,577.90	1,718.99	1,268.85	450.14	3.819		
16,400.00	7,321.00	14,763.47	7,357.64	245.63	231.45	91.62	-3,800.04	-9,681.55	1,719.57	1,263.74	455.83	3.772		
16,500.00	7,321.00	14,854.00	7,353.62	248.06	233.81	91.49	-3,799.44	-9,771.99	1,720.14	1,259.99	460.16	3.738		
16,600.00	7,321.00	14,976.66	7,345.37	250.49	237.01	91.21	-3,799.04	-9,894.37	1,720.33	1,252.61	467.72	3.678		
16,700.00	7,321.00	15,100.22	7,340.31	252.93	240.25	91.04	-3,799.66	-10,017.81	1,719.90	1,244.58	475.32	3.618		
16,800.00	7,321.00	15,265.07	7,336.98	255.38	244.60	90.94	-3,806.36	-10,182.48	1,715.58	1,229.01	486.57	3.526		
16,900.00	7,321.00	15,366.25	7,333.85	257.84	247.27	90.83	-3,812.13	-10,283.44	1,709.85	1,217.87	491.97	3.475		
17,000.00	7,321.00	15,453.24	7,328.72	260.30	249.56	90.66	-3,816.61	-10,370.17	1,704.63	1,208.51	496.12	3.436		
17,100.00	7,321.00	15,532.00	7,324.20	262.76	251.64	90.51	-3,820.33	-10,448.71	1,699.99	1,200.50	499.49	3.403		
17,200.00	7,321.00	15,627.00	7,318.14	265.24	254.14	90.31	-3,823.66	-10,543.45	1,696.46	1,192.16	504.29	3.364		
17,300.00	7,321.00	15,718.69	7,312.02	267.72	256.56	90.10	-3,826.06	-10,634.90	1,693.80	1,185.02	508.78	3.329		
17,400.00	7,321.00	15,816.15	7,305.38	270.20	259.12	89.88	-3,828.77	-10,732.09	1,691.04	1,177.25	513.80	3.291		
17,500.00	7,321.00	15,895.00	7,298.68	272.69	261.20	89.65	-3,830.90	-10,810.63	1,688.53	1,171.55	516.98	3.266		
17,523.95	7,321.00	15,895.00	7,298.68	273.29	261.20	89.65	-3,830.90	-10,810.63	1,688.37	1,172.53	515.84	3.273		
17,600.00	7,321.00	15,895.00	7,298.68	275.18	261.20	89.65	-3,830.90	-10,810.63	1,690.10	1,178.53	511.57	3.304		
17,700.00	7,321.00	15,895.00	7,298.68	277.68	261.20	89.65	-3,830.90	-10,810.63	1,697.57	1,193.07	504.50	3.365		
17,800.00	7,321.00	15,895.00	7,298.68	280.19	261.20	89.65	-3,830.90	-10,810.63	1,710.90	1,215.01	495.90	3.450		
17,900.00	7,321.00	15,895.00	7,298.68	282.71	261.20	89.65	-3,830.90	-10,810.63	1,732.13	1,246.16	485.97	3.564		
18,000.00	7,321.00	15,895.00	7,298.68	285.26	261.20	89.64	-3,830.90	-10,810.63	1,762.11	1,287.07	475.04	3.709		
18,100.00	7,321.00	15,895.00	7,298.68	287.83	261.20	89.64	-3,830.90	-10,810.63	1,800.38	1,336.95	463.43	3.885		
18,200.00	7,321.00	15,895.00	7,298.68	290.41	261.20	89.63	-3,830.90	-10,810.63	1,846.37	1,394.90	451.46	4.090		
18,300.00	7,321.00	15,895.00	7,298.68	293.00	261.20	89.62	-3,830.90	-10,810.63	1,899.40	1,459.94	439.45	4.322		
18,400.00	7,321.00	15,895.00	7,298.68	295.59	261.20	89.62	-3,830.90	-10,810.63	1,956.97	1,529.51	427.46	4.578		
18,500.00	7,321.00	15,895.00	7,298.68	298.19	261.20	89.62	-3,830.90	-10,810.63	2,017.85	1,602.31	415.54	4.856		
18,600.00	7,321.00	15,895.00	7,298.68	300.78	261.20	89.62	-3,830.90	-10,810.63	2,081.76	1,677.95	403.81	5.155		
18,700.00	7,321.00	15,895.00	7,298.68	303.38	261.20	89.62	-3,830.90	-10,810.63	2,148.43	1,756.09	392.34	5.476		
18,800.00	7,321.00	15,895.00	7,298.68	305.98	261.20	89.62	-3,830.90	-10,810.63	2,217.60	1,836.40	381.20	5.817		
18,900.00	7,321.00	15,895.00	7,298.68	308.58	261.20	89.62	-3,830.90	-10,810.63	2,289.05	1,918.63	370.42	6.180		
19,000.00	7,321.00	15,895.00	7,298.68	311.18	261.20	89.62	-3,830.90	-10,810.63	2,362.58	2,002.53	360.05	6.562		
19,100.00	7,321.00	15,895.00	7,298.68	313.78	261.20	89.62	-3,830.90	-10,810.63	2,437.99	2,087.90	350.09	6.964		
19,200.00	7,321.00	15,895.00	7,298.68	316.39	261.20	89.62	-3,830.90	-10,810.63	2,515.11	2,174.56	340.55	7.385		
19,300.00	7,321.00	15,895.00	7,298.68	318.99	261.20	89.62	-3,830.90	-10,810.63	2,593.80	2,262.36	331.44	7.826		
19,400.00	7,321.00	15,895.00	7,298.68	321.60	261.20	89.62	-3,830.90	-10,810.63	2,673.91	2,351.17	322.74	8.285		
19,500.00	7,321.00	15,895.00	7,298.68	324.21	261.20	89.63	-3,830.90	-10,810.63	2,755.31	2,440.86	314.45	8.762		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	
19,600.00	7,321.00	15,895.00	7,298.68	326.81	261.20	89.64	-3,830.90	-10,810.63	2,836.70	2,530.38	306.32	9.261	
19,700.00	7,321.00	15,895.00	7,298.68	329.42	261.20	89.66	-3,830.90	-10,810.63	2,917.25	2,619.06	298.20	9.783	
19,800.00	7,321.00	15,895.00	7,298.68	332.01	261.20	89.68	-3,830.90	-10,810.63	2,996.94	2,706.87	290.08	10.332	
19,900.00	7,321.00	15,895.00	7,298.68	334.60	261.20	89.69	-3,830.90	-10,810.63	3,075.75	2,793.78	281.97	10.908	
20,000.00	7,321.00	15,895.00	7,298.68	337.16	261.20	89.70	-3,830.90	-10,810.63	3,153.63	2,879.76	273.87	11.515	
20,100.00	7,321.00	15,895.00	7,298.68	339.72	261.20	89.71	-3,830.90	-10,810.63	3,231.44	2,965.52	265.93	12.152	
20,200.00	7,321.00	15,895.00	7,298.68	342.28	261.20	89.71	-3,830.90	-10,810.63	3,310.43	3,052.10	258.33	12.815	
20,300.00	7,321.00	15,895.00	7,298.68	344.84	261.20	89.71	-3,830.90	-10,810.63	3,390.53	3,139.45	251.08	13.504	
20,400.00	7,321.00	15,895.00	7,298.68	347.40	261.20	89.71	-3,830.90	-10,810.63	3,471.66	3,227.50	244.15	14.219	
20,500.00	7,321.00	15,895.00	7,298.68	349.97	261.20	89.71	-3,830.90	-10,810.63	3,553.75	3,316.20	237.55	14.960	
20,540.60	7,321.00	15,895.00	7,298.68	351.01	261.20	89.71	-3,830.90	-10,810.63	3,587.34	3,352.38	234.96	15.268	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	98.48	98.48	0.27	0.14	-171.62	-1,399.34	-206.05	1,414.48	1,414.07	0.41	3,475.515		
200.00	200.00	205.60	205.58	0.63	0.45	-171.67	-1,398.33	-204.68	1,413.35	1,412.27	1.08	1,307.558		
300.00	300.00	301.51	301.47	0.99	0.80	-171.72	-1,397.34	-203.32	1,412.12	1,410.34	1.78	791.920		
374.66	374.66	361.70	361.66	1.25	1.01	-171.75	-1,397.07	-202.54	1,411.67	1,409.41	2.26	624.601		
400.00	400.00	380.92	380.89	1.34	1.07	-171.75	-1,397.12	-202.48	1,411.73	1,409.31	2.42	584.109		
500.00	499.98	464.99	464.95	1.69	1.36	-22.35	-1,398.02	-203.00	1,411.24	1,408.20	3.05	463.359		
600.00	599.84	552.12	552.05	2.03	1.66	-22.43	-1,399.63	-203.74	1,408.35	1,404.67	3.68	382.667		
700.00	699.45	630.45	630.34	2.38	1.93	-22.51	-1,401.82	-205.43	1,403.41	1,399.11	4.30	326.588		
800.00	798.70	700.00	699.76	2.75	2.17	-22.60	-1,405.01	-208.17	1,397.21	1,392.32	4.89	285.670		
900.00	897.47	778.45	777.90	3.15	2.46	-22.68	-1,409.79	-213.13	1,389.64	1,384.11	5.53	251.344		
1,000.00	995.62	851.85	850.81	3.58	2.73	-22.74	-1,415.20	-219.65	1,380.51	1,374.35	6.16	224.094		
1,100.00	1,093.06	932.36	930.53	4.04	3.04	-22.81	-1,422.48	-228.18	1,370.01	1,363.18	6.83	200.466		
1,200.00	1,189.64	1,013.44	1,010.66	4.54	3.37	-22.90	-1,430.41	-237.62	1,357.29	1,349.77	7.53	180.285		
1,300.00	1,285.27	1,082.00	1,078.02	5.08	3.66	-22.96	-1,438.24	-247.71	1,343.41	1,335.22	8.19	164.056		
1,400.00	1,379.82	1,148.04	1,142.48	5.67	3.96	-23.01	-1,447.10	-259.01	1,328.67	1,319.81	8.86	149.904		
1,500.00	1,473.17	1,220.21	1,212.54	6.30	4.30	-23.08	-1,458.28	-272.28	1,313.01	1,303.43	9.59	136.981		
1,600.00	1,565.21	1,294.58	1,284.37	6.99	4.67	-23.16	-1,470.98	-286.71	1,295.98	1,285.64	10.34	125.311		
1,700.00	1,655.84	1,367.00	1,353.84	7.73	5.05	-23.26	-1,484.61	-301.97	1,277.76	1,266.64	11.12	114.955		
1,800.00	1,744.94	1,437.69	1,420.99	8.52	5.46	-23.34	-1,499.06	-318.64	1,258.43	1,246.52	11.91	105.618		
1,900.00	1,832.39	1,528.72	1,506.65	9.37	6.01	-23.36	-1,518.68	-342.42	1,237.53	1,224.67	12.86	96.258		
2,000.00	1,918.11	1,606.22	1,579.42	10.27	6.51	-23.45	-1,535.68	-362.94	1,214.04	1,200.28	13.76	88.251		
2,100.00	2,001.97	1,667.00	1,636.07	11.22	6.90	-23.60	-1,550.21	-379.49	1,189.64	1,175.05	14.58	81.571		
2,200.00	2,083.88	1,762.00	1,723.50	12.23	7.57	-23.69	-1,574.33	-407.74	1,163.95	1,148.29	15.66	74.336		
2,300.00	2,163.74	1,821.28	1,777.16	13.29	8.03	-23.79	-1,590.24	-427.26	1,137.09	1,120.54	16.55	68.695		
2,400.00	2,241.45	1,886.03	1,834.88	14.40	8.55	-23.85	-1,608.83	-449.95	1,109.73	1,092.22	17.51	63.393		
2,500.00	2,316.92	1,953.00	1,893.61	15.57	9.12	-23.91	-1,629.84	-474.32	1,082.20	1,063.70	18.50	58.491		
2,600.00	2,390.05	2,015.67	1,947.76	16.78	9.69	-24.01	-1,651.08	-497.66	1,054.37	1,034.87	19.50	54.068		
2,700.00	2,460.76	2,085.60	2,007.33	18.05	10.34	-24.13	-1,676.31	-524.20	1,026.01	1,005.43	20.58	49.848		
2,800.00	2,528.95	2,158.06	2,068.03	19.37	11.05	-24.26	-1,703.76	-552.68	996.88	975.17	21.72	45.905		
2,900.00	2,595.08	2,239.00	2,134.25	20.72	11.89	-24.13	-1,735.50	-586.72	967.42	944.48	22.94	42.168		
3,000.00	2,661.04	2,309.78	2,190.86	22.08	12.67	-23.81	-1,764.09	-618.15	939.71	915.62	24.09	39.013		
3,100.00	2,726.99	2,408.89	2,269.49	23.46	13.78	-23.33	-1,805.01	-662.47	913.23	887.77	25.46	35.869		
3,200.00	2,792.94	2,492.77	2,336.39	24.84	14.73	-22.95	-1,839.74	-699.28	886.68	859.96	26.71	33.193		
3,300.00	2,858.90	2,590.12	2,412.67	26.22	15.86	-22.36	-1,880.66	-743.80	861.49	833.45	28.04	30.726		
3,400.00	2,924.85	2,699.15	2,499.66	27.61	17.11	-21.82	-1,926.03	-791.35	835.15	805.69	29.46	28.347		
3,500.00	2,990.81	2,813.97	2,593.30	29.00	18.38	-21.44	-1,972.83	-838.51	807.08	776.16	30.92	26.099		
3,600.00	3,056.76	2,915.97	2,676.58	30.40	19.52	-20.90	-2,012.33	-882.14	777.48	745.24	32.23	24.121		
3,700.00	3,122.71	3,016.53	2,758.10	31.80	20.67	-20.11	-2,049.82	-927.53	747.30	713.85	33.45	22.339		
3,800.00	3,188.67	3,121.04	2,844.05	33.20	21.84	-19.35	-2,088.01	-973.10	715.87	681.20	34.67	20.649		
3,900.00	3,254.62	3,207.99	2,915.52	34.60	22.82	-18.65	-2,119.82	-1,011.04	684.64	648.88	35.76	19.144		
4,000.00	3,320.58	3,291.02	2,982.68	36.01	23.77	-17.79	-2,150.79	-1,048.79	655.00	618.24	36.76	17.819		
4,100.00	3,386.53	3,395.18	3,066.83	37.41	24.98	-16.61	-2,189.78	-1,096.19	625.72	587.95	37.77	16.567		
4,200.00	3,452.48	3,498.17	3,151.76	38.82	26.14	-15.61	-2,227.90	-1,140.23	594.97	556.20	38.78	15.343		
4,300.00	3,518.44	3,588.12	3,225.54	40.23	27.15	-14.54	-2,261.10	-1,179.54	564.73	525.07	39.65	14.242		
4,400.00	3,584.39	3,697.32	3,316.57	41.64	28.35	-13.24	-2,300.03	-1,225.58	532.62	492.10	40.52	13.145		
4,500.00	3,650.35	3,778.56	3,384.28	43.05	29.24	-12.31	-2,330.13	-1,258.87	501.64	460.30	41.34	12.135		
4,600.00	3,716.30	3,873.72	3,462.61	44.46	30.30	-10.90	-2,365.79	-1,299.47	472.13	430.08	42.04	11.229		
4,700.00	3,782.25	3,982.90	3,553.88	45.88	31.50	-9.15	-2,405.06	-1,344.71	440.74	398.05	42.70	10.323		
4,800.00	3,848.21	4,078.59	3,634.00	47.29	32.53	-7.05	-2,437.44	-1,385.78	408.54	365.37	43.17	9.464		
4,900.00	3,914.16	4,171.67	3,712.26	48.71	33.55	-4.50	-2,467.57	-1,426.18	375.84	332.28	43.57	8.627		
5,000.00	3,980.12	4,247.23	3,774.24	50.12	34.41	-1.94	-2,493.43	-1,460.78	347.15	303.21	43.93	7.902		
5,100.00	4,046.07	4,339.00	3,847.81	51.54	35.51	1.67	-2,526.80	-1,504.32	322.75	278.30	44.44	7.262		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	4,112.02	4,430.47	3,920.75	52.95	36.61	5.64	-2,561.07	-1,547.57	300.74	255.39	45.35	6.631		
5,300.00	4,177.98	4,526.53	3,997.43	54.37	37.77	10.26	-2,597.56	-1,592.48	280.51	233.50	47.01	5.968		
5,400.00	4,243.93	4,636.52	4,087.32	55.79	39.04	16.07	-2,638.40	-1,640.92	259.26	209.30	49.96	5.189		
5,500.00	4,309.89	4,731.90	4,166.79	57.21	40.08	21.22	-2,674.95	-1,678.91	237.33	183.69	53.64	4.424		
5,600.00	4,375.84	4,817.00	4,236.51	58.63	41.03	26.08	-2,709.88	-1,712.98	219.59	161.39	58.20	3.773		
5,700.00	4,441.79	4,903.68	4,305.29	60.05	42.07	31.72	-2,746.59	-1,750.83	208.72	144.56	64.16	3.253		
5,800.00	4,507.75	5,011.57	4,390.78	61.47	43.37	39.48	-2,792.00	-1,798.43	201.15	128.67	72.48	2.775		
5,900.00	4,573.70	5,104.00	4,466.34	62.89	44.41	46.51	-2,830.64	-1,835.02	191.98	111.05	80.92	2.372		
5,957.81	4,611.83	5,156.36	4,508.65	63.71	45.04	50.69	-2,852.69	-1,856.56	189.35	103.40	85.95	2.203 CC		
6,000.00	4,639.66	5,188.30	4,533.53	64.31	45.42	53.23	-2,866.14	-1,871.40	190.62	101.54	89.08	2.140		
6,100.00	4,705.61	5,285.87	4,608.18	65.73	46.67	60.69	-2,906.99	-1,919.14	198.87	101.44	97.43	2.041 ES		
6,200.00	4,771.56	5,382.73	4,682.39	67.15	47.91	67.23	-2,948.56	-1,965.46	209.00	104.53	104.47	2.001		
6,300.00	4,837.52	5,483.78	4,759.27	68.57	49.21	72.98	-2,993.61	-2,013.10	220.65	110.14	110.51	1.997 SF		
6,400.00	4,903.47	5,583.88	4,836.68	69.99	50.47	78.42	-3,037.91	-2,058.56	232.61	116.88	115.73	2.010		
6,500.00	4,969.43	5,677.87	4,909.68	71.41	51.64	83.12	-3,079.22	-2,100.94	246.24	126.40	119.84	2.055		
6,600.00	5,035.38	5,775.95	4,985.14	72.83	52.88	87.29	-3,122.56	-2,146.21	262.26	138.80	123.47	2.124		
6,700.00	5,101.33	5,879.18	5,066.10	74.25	54.14	91.62	-3,167.63	-2,191.68	278.10	151.27	126.83	2.193		
6,800.00	5,167.29	5,972.80	5,141.60	75.67	55.24	95.77	-3,206.93	-2,230.67	294.45	165.25	129.19	2.279		
6,900.00	5,233.24	6,060.34	5,212.68	77.10	56.25	99.42	-3,241.94	-2,267.85	314.20	183.48	130.72	2.404		
7,000.00	5,299.20	6,155.37	5,289.09	78.52	57.39	102.71	-3,279.31	-2,310.23	337.09	204.72	132.37	2.547		
7,100.00	5,365.15	6,260.22	5,372.11	79.94	58.65	105.55	-3,322.75	-2,357.25	359.50	225.07	134.43	2.674		
7,200.00	5,431.10	6,346.26	5,441.92	81.36	59.66	108.05	-3,357.31	-2,393.78	382.28	247.03	135.24	2.827		
7,300.00	5,497.06	6,432.10	5,511.56	82.79	60.66	110.23	-3,389.86	-2,431.97	408.64	272.71	135.93	3.006		
7,400.00	5,563.01	6,515.05	5,579.39	84.21	61.62	112.20	-3,419.52	-2,469.39	437.74	301.41	136.33	3.211		
7,500.00	5,628.97	6,605.42	5,653.82	85.63	62.68	114.18	-3,449.55	-2,510.90	469.82	332.67	137.15	3.426		
7,600.00	5,694.92	6,714.77	5,740.44	87.06	64.00	115.60	-3,489.65	-2,564.24	500.58	361.01	139.57	3.587		
7,700.00	5,760.87	6,817.07	5,823.58	88.48	65.20	117.23	-3,528.05	-2,609.81	529.12	387.99	141.13	3.749		
7,800.00	5,826.83	6,908.14	5,898.36	89.90	66.25	118.68	-3,561.99	-2,649.17	557.76	415.73	142.03	3.927		
7,900.00	5,892.78	7,013.67	5,984.28	91.33	67.48	120.05	-3,601.58	-2,695.93	586.91	443.21	143.70	4.084		
8,000.00	5,958.74	7,112.18	6,062.68	92.75	68.68	120.96	-3,641.01	-2,740.66	614.25	468.90	145.36	4.226		
8,100.00	6,024.69	7,210.56	6,139.94	94.17	69.89	121.63	-3,680.87	-2,786.71	641.70	494.50	147.20	4.359		
8,200.00	6,090.64	7,309.98	6,220.91	95.60	71.03	122.72	-3,720.28	-2,828.76	668.70	520.17	148.53	4.502		
8,300.00	6,156.60	7,422.38	6,315.58	97.02	72.22	124.42	-3,764.47	-2,870.20	694.71	545.17	149.55	4.645		
8,400.00	6,222.55	7,508.96	6,387.79	98.45	73.16	125.54	-3,799.34	-2,902.86	720.40	570.30	150.10	4.800		
8,500.00	6,288.51	7,583.38	6,449.73	99.87	73.97	126.37	-3,828.28	-2,932.25	748.18	597.78	150.40	4.975		
8,600.00	6,354.46	7,680.97	6,532.09	101.29	75.01	127.49	-3,864.23	-2,970.29	778.03	626.76	151.27	5.143		
8,700.00	6,420.41	7,766.31	6,603.67	102.72	75.94	128.35	-3,896.32	-3,003.89	807.49	655.61	151.89	5.316		
8,800.00	6,486.37	7,854.58	6,676.31	104.14	76.94	128.94	-3,928.68	-3,042.17	838.73	685.74	152.99	5.482		
8,900.00	6,552.32	7,942.36	6,746.81	105.57	78.01	129.25	-3,961.24	-3,083.07	870.20	715.72	154.48	5.633		
9,000.00	6,618.28	8,015.13	6,801.62	106.99	78.98	129.03	-3,987.93	-3,122.75	903.28	747.28	156.00	5.790		
9,100.00	6,684.23	8,088.00	6,851.31	108.42	80.06	128.26	-4,012.93	-3,169.73	939.59	781.33	158.26	5.937		
9,200.00	6,750.18	8,139.27	6,883.17	109.84	80.90	127.46	-4,029.34	-3,206.38	978.82	819.51	159.31	6.144		
9,300.00	6,816.14	8,184.00	6,909.36	111.26	81.63	126.66	-4,043.07	-3,239.94	1,021.11	861.41	159.70	6.394		
9,400.00	6,882.09	8,252.97	6,946.77	112.69	82.82	125.25	-4,062.68	-3,294.44	1,066.21	903.90	162.31	6.569		
9,500.00	6,948.05	8,307.19	6,973.56	114.11	83.77	124.02	-4,076.58	-3,339.47	1,114.81	951.23	163.58	6.815		
9,600.00	7,014.00	8,375.00	7,003.68	115.54	85.00	122.37	-4,092.90	-3,397.98	1,166.19	1,000.00	166.19	7.017		
9,700.00	7,079.88	8,405.58	7,016.14	116.97	85.56	119.31	-4,099.70	-3,425.07	1,220.15	1,055.15	165.00	7.395		
9,800.00	7,142.10	8,445.99	7,031.81	118.48	86.30	106.88	-4,107.71	-3,461.44	1,271.36	1,107.16	164.20	7.743		
9,900.00	7,197.32	8,470.00	7,040.69	120.08	86.75	97.51	-4,111.93	-3,483.34	1,315.68	1,154.73	160.95	8.175		
10,000.00	7,243.87	8,507.18	7,053.00	121.71	87.41	90.43	-4,117.09	-3,518.04	1,352.39	1,193.82	158.57	8.528		
10,100.00	7,280.34	8,565.00	7,067.23	123.32	88.46	85.40	-4,120.74	-3,573.90	1,382.74	1,224.61	158.13	8.744		
10,200.00	7,305.62	8,565.00	7,067.23	124.84	88.46	82.31	-4,120.74	-3,573.90	1,402.15	1,251.31	150.84	9.296		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,318.93	8,599.31	7,073.10	126.22	89.05	80.75	-4,120.85	-3,607.71	1,413.72	1,266.40	147.32	9.596		
10,400.00	7,321.00	8,661.00	7,079.86	127.44	90.12	80.73	-4,118.75	-3,668.96	1,417.01	1,269.95	147.07	9.635		
10,500.00	7,321.00	8,712.10	7,082.18	128.66	90.99	80.84	-4,115.97	-3,719.93	1,420.88	1,275.40	145.48	9.767		
10,600.00	7,321.00	8,823.54	7,080.56	129.91	92.95	80.81	-4,111.18	-3,831.24	1,425.40	1,274.36	151.04	9.437		
10,700.00	7,321.00	8,952.51	7,076.87	131.19	95.29	80.69	-4,107.97	-3,960.12	1,428.36	1,269.65	158.71	9.000		
10,800.00	7,321.00	9,034.13	7,073.85	132.51	96.82	80.58	-4,106.33	-4,041.66	1,430.96	1,270.19	160.77	8.901		
10,900.00	7,321.00	9,275.59	7,070.31	133.87	101.64	80.39	-4,113.64	-4,282.87	1,426.91	1,245.12	181.79	7.849		
11,000.00	7,321.00	9,372.45	7,071.19	135.26	103.66	80.38	-4,120.86	-4,379.45	1,419.46	1,233.50	185.96	7.633		
11,100.00	7,321.00	9,425.00	7,071.06	136.68	104.77	80.35	-4,123.78	-4,431.93	1,414.31	1,229.37	184.94	7.647		
11,200.00	7,321.00	9,502.08	7,069.79	138.14	106.38	80.28	-4,126.32	-4,508.95	1,411.51	1,224.78	186.73	7.559		
11,298.28	7,321.00	9,578.47	7,067.62	139.60	107.98	80.19	-4,127.20	-4,585.30	1,410.86	1,222.33	188.52	7.484		
11,300.00	7,321.00	9,579.89	7,067.57	139.63	108.01	80.19	-4,127.21	-4,586.72	1,410.86	1,222.29	188.56	7.482		
11,400.00	7,321.00	9,683.75	7,064.03	141.15	110.19	80.04	-4,127.64	-4,690.52	1,411.08	1,217.51	193.57	7.290		
11,449.54	7,321.00	9,729.85	7,062.21	141.92	111.17	79.97	-4,128.14	-4,736.58	1,410.91	1,215.50	195.40	7.221		
11,500.00	7,321.00	9,765.14	7,060.87	142.70	111.92	79.91	-4,128.20	-4,771.85	1,411.18	1,215.34	195.84	7.206		
11,600.00	7,321.00	9,863.02	7,057.58	144.29	114.01	79.79	-4,127.07	-4,869.66	1,412.92	1,212.73	200.19	7.058		
11,700.00	7,321.00	9,981.54	7,054.30	145.91	116.59	79.66	-4,127.22	-4,988.14	1,413.28	1,206.15	207.13	6.823		
11,800.00	7,321.00	10,102.06	7,050.67	147.55	119.25	79.50	-4,128.85	-5,108.59	1,412.54	1,198.24	214.29	6.592		
11,900.00	7,321.00	10,190.15	7,048.56	149.23	121.22	79.41	-4,130.16	-5,196.65	1,411.52	1,193.97	217.56	6.488		
12,000.00	7,321.00	10,316.52	7,047.49	150.93	124.09	79.35	-4,132.51	-5,322.98	1,409.87	1,184.30	225.57	6.250		
12,100.00	7,321.00	10,414.11	7,046.65	152.67	126.33	79.29	-4,135.62	-5,420.53	1,406.95	1,176.86	230.09	6.115		
12,200.00	7,321.00	10,495.09	7,047.04	154.43	128.19	79.30	-4,136.65	-5,501.49	1,405.56	1,172.91	232.65	6.042		
12,300.00	7,321.00	10,625.04	7,048.03	156.22	131.21	79.32	-4,139.69	-5,631.40	1,403.06	1,161.81	241.24	5.816		
12,400.00	7,321.00	10,729.03	7,048.22	158.04	133.65	79.30	-4,143.22	-5,735.33	1,399.71	1,153.07	246.64	5.675		
12,500.00	7,321.00	10,826.81	7,047.79	159.88	135.97	79.25	-4,146.74	-5,833.05	1,396.28	1,145.01	251.27	5.557		
12,600.00	7,321.00	10,906.72	7,047.01	161.75	137.86	79.20	-4,149.20	-5,912.91	1,393.52	1,139.79	253.72	5.492		
12,700.00	7,321.00	10,982.36	7,047.69	163.64	139.65	79.23	-4,149.76	-5,988.54	1,392.62	1,136.94	255.68	5.447		
12,708.74	7,321.00	10,989.58	7,047.81	163.81	139.82	79.23	-4,149.75	-5,995.76	1,392.61	1,136.69	255.93	5.441		
12,800.00	7,321.00	11,064.95	7,049.19	165.56	141.61	79.29	-4,149.07	-6,071.12	1,393.14	1,134.61	258.53	5.389		
12,900.00	7,321.00	11,145.00	7,050.09	167.49	143.50	79.34	-4,147.50	-6,151.14	1,394.90	1,133.89	261.01	5.344		
13,000.00	7,321.00	11,241.00	7,050.40	169.46	145.77	79.38	-4,144.74	-6,247.10	1,397.69	1,132.14	265.55	5.263		
13,100.00	7,321.00	11,367.26	7,053.87	171.44	148.79	79.54	-4,141.90	-6,373.27	1,399.39	1,125.23	274.16	5.104		
13,200.00	7,321.00	11,468.82	7,057.57	173.45	151.23	79.70	-4,140.07	-6,474.75	1,400.53	1,120.94	279.59	5.009		
13,300.00	7,321.00	11,568.36	7,063.44	175.47	153.64	79.95	-4,138.52	-6,574.10	1,401.06	1,116.21	284.85	4.919		
13,400.00	7,321.00	11,660.18	7,069.75	177.52	155.86	80.22	-4,136.00	-6,665.66	1,402.58	1,113.42	289.16	4.851		
13,500.00	7,321.00	11,798.27	7,078.83	179.58	159.23	80.60	-4,133.92	-6,803.43	1,403.10	1,103.68	299.41	4.686		
13,600.00	7,321.00	11,893.86	7,082.95	181.67	161.59	80.76	-4,134.47	-6,898.93	1,401.87	1,097.72	304.14	4.609		
13,700.00	7,321.00	11,995.30	7,087.65	183.77	164.10	80.95	-4,134.58	-7,000.27	1,401.05	1,091.41	309.63	4.525		
13,800.00	7,321.00	12,094.94	7,091.06	185.89	166.58	81.09	-4,135.02	-7,099.84	1,400.10	1,085.25	314.86	4.447		
13,846.15	7,321.00	12,128.28	7,091.52	186.87	167.40	81.10	-4,135.14	-7,133.17	1,399.87	1,084.21	315.66	4.435		
13,900.00	7,321.00	12,165.38	7,091.89	188.02	168.32	81.12	-4,134.87	-7,170.27	1,400.19	1,083.86	316.33	4.426		
14,000.00	7,321.00	12,244.43	7,092.31	190.18	170.28	81.15	-4,133.11	-7,249.30	1,402.29	1,083.48	318.81	4.398		
14,100.00	7,321.00	12,341.92	7,092.99	192.35	172.70	81.20	-4,130.09	-7,346.74	1,405.27	1,081.57	323.70	4.341		
14,200.00	7,321.00	12,489.36	7,095.15	194.53	176.38	81.30	-4,127.49	-7,494.13	1,407.00	1,072.00	335.00	4.200		
14,300.00	7,321.00	12,601.78	7,097.93	196.73	179.21	81.40	-4,128.74	-7,606.51	1,405.49	1,063.69	341.80	4.112		
14,361.37	7,321.00	12,643.67	7,098.22	198.09	180.27	81.41	-4,129.00	-7,648.40	1,405.07	1,062.47	342.60	4.101		
14,400.00	7,321.00	12,672.00	7,097.96	198.95	180.99	81.40	-4,128.91	-7,676.72	1,405.24	1,061.93	343.30	4.093		
14,500.00	7,321.00	12,802.85	7,095.46	201.17	184.30	81.30	-4,130.16	-7,807.54	1,404.53	1,052.36	352.18	3.988		
14,600.00	7,321.00	12,901.24	7,093.03	203.42	186.80	81.19	-4,131.95	-7,905.88	1,403.14	1,046.09	357.04	3.930		
14,700.00	7,321.00	13,012.58	7,092.61	205.67	189.64	81.16	-4,133.76	-8,017.20	1,401.64	1,038.07	363.57	3.855		
14,800.00	7,321.00	13,120.90	7,092.09	207.94	192.41	81.12	-4,136.78	-8,125.48	1,398.98	1,029.27	369.71	3.784		
14,900.00	7,321.00	13,215.65	7,091.73	210.22	194.84	81.09	-4,139.36	-8,220.19	1,396.37	1,022.11	374.26	3.731		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,321.00	13,338.00	7,095.18	212.51	197.98	81.20	-4,143.38	-8,342.42	1,392.61	1,010.39	382.22	3.644		
15,100.00	7,321.00	13,410.05	7,097.29	214.81	199.84	81.27	-4,145.92	-8,414.38	1,388.96	1,004.74	384.22	3.615		
15,200.00	7,321.00	13,489.68	7,097.82	217.12	201.88	81.29	-4,146.52	-8,494.00	1,388.06	1,001.09	386.98	3.587		
15,300.00	7,321.00	13,595.57	7,096.43	219.45	204.60	81.23	-4,147.38	-8,599.88	1,387.50	994.64	392.86	3.532		
15,400.00	7,321.00	13,699.70	7,094.30	221.78	207.29	81.13	-4,148.95	-8,703.98	1,386.34	987.87	398.47	3.479		
15,500.00	7,321.00	13,824.11	7,090.97	224.13	210.50	80.98	-4,151.99	-8,828.31	1,384.41	977.98	406.43	3.406		
15,600.00	7,321.00	13,937.46	7,087.75	226.48	213.44	80.82	-4,156.52	-8,941.52	1,380.94	967.94	413.00	3.344		
15,700.00	7,321.00	14,056.01	7,084.44	228.85	216.52	80.64	-4,162.44	-9,059.87	1,376.52	956.42	420.10	3.277		
15,800.00	7,321.00	14,139.49	7,082.29	231.22	218.70	80.52	-4,167.40	-9,143.18	1,371.22	947.92	423.30	3.239		
15,900.00	7,321.00	14,197.00	7,080.67	233.60	220.19	80.44	-4,169.20	-9,200.64	1,368.64	945.30	423.34	3.233		
16,000.00	7,321.00	14,292.00	7,077.57	235.99	222.66	80.30	-4,170.54	-9,295.58	1,367.83	940.07	427.76	3.198		
16,100.00	7,321.00	14,387.00	7,074.03	238.39	225.12	80.15	-4,171.54	-9,390.50	1,367.45	935.30	432.15	3.164		
16,104.45	7,321.00	14,387.00	7,074.03	238.49	225.12	80.15	-4,171.54	-9,390.50	1,367.45	935.63	431.82	3.167		
16,200.00	7,321.00	14,454.65	7,072.00	240.79	226.87	80.07	-4,171.27	-9,458.12	1,368.39	935.31	433.08	3.160		
16,300.00	7,321.00	14,565.70	7,070.59	243.21	229.75	80.02	-4,169.72	-9,569.14	1,370.00	930.27	439.72	3.116		
16,400.00	7,321.00	14,674.00	7,068.50	245.63	232.57	79.93	-4,169.75	-9,677.42	1,370.29	924.36	445.92	3.073		
16,500.00	7,321.00	14,751.46	7,066.02	248.06	234.58	79.84	-4,168.94	-9,754.84	1,371.88	923.81	448.07	3.062		
16,600.00	7,321.00	14,849.65	7,063.00	250.49	237.13	79.73	-4,166.95	-9,852.95	1,374.45	921.53	452.92	3.035		
16,700.00	7,321.00	14,985.77	7,055.46	252.93	240.67	79.42	-4,167.21	-9,988.84	1,375.18	912.84	462.34	2.974		
16,709.43	7,321.00	14,993.40	7,054.84	253.16	240.87	79.39	-4,167.33	-9,996.44	1,375.17	912.61	462.56	2.973		
16,800.00	7,321.00	15,072.31	7,047.85	255.38	242.92	79.10	-4,168.18	-10,075.03	1,375.72	910.41	465.31	2.957		
16,900.00	7,321.00	15,183.43	7,036.74	257.84	245.81	78.63	-4,170.06	-10,185.58	1,376.00	904.90	471.10	2.921		
17,000.00	7,321.00	15,274.76	7,028.65	260.30	248.19	78.29	-4,171.41	-10,276.54	1,376.36	901.78	474.58	2.900		
17,100.00	7,321.00	15,341.00	7,024.16	262.76	249.92	78.11	-4,171.57	-10,342.63	1,377.81	902.82	474.99	2.901		
17,200.00	7,321.00	15,437.00	7,018.29	265.24	252.42	77.88	-4,169.57	-10,438.42	1,381.16	901.90	479.26	2.882		
17,300.00	7,321.00	15,541.01	7,011.66	267.72	255.13	77.64	-4,166.60	-10,542.18	1,385.37	900.80	484.57	2.859		
17,400.00	7,321.00	15,653.55	7,003.63	270.20	258.07	77.33	-4,164.88	-10,654.41	1,388.48	897.62	490.86	2.829		
17,500.00	7,321.00	15,778.61	6,994.62	272.69	261.34	76.96	-4,165.62	-10,779.14	1,389.43	890.87	498.56	2.787		
17,600.00	7,321.00	15,805.00	6,992.74	275.18	262.04	76.89	-4,165.91	-10,805.47	1,391.95	898.33	493.62	2.820		
17,700.00	7,321.00	15,805.00	6,992.74	277.68	262.04	76.89	-4,165.91	-10,805.47	1,401.37	918.10	483.27	2.900		
17,800.00	7,321.00	15,805.00	6,992.74	280.19	262.04	76.87	-4,165.91	-10,805.47	1,417.84	946.98	470.86	3.011		
17,900.00	7,321.00	15,805.00	6,992.74	282.71	262.04	76.75	-4,165.91	-10,805.47	1,443.19	986.33	456.86	3.159		
18,000.00	7,321.00	15,805.00	6,992.74	285.26	262.04	76.58	-4,165.91	-10,805.47	1,478.07	1,036.23	441.84	3.345		
18,100.00	7,321.00	15,805.00	6,992.74	287.83	262.04	76.35	-4,165.91	-10,805.47	1,521.78	1,095.42	426.36	3.569		
18,200.00	7,321.00	15,805.00	6,992.74	290.41	262.04	76.06	-4,165.91	-10,805.47	1,573.53	1,162.61	410.92	3.829		
18,300.00	7,321.00	15,805.00	6,992.74	293.00	262.04	75.79	-4,165.91	-10,805.47	1,632.43	1,236.51	395.92	4.123		
18,400.00	7,321.00	15,805.00	6,992.74	295.59	262.04	75.79	-4,165.91	-10,805.47	1,695.97	1,314.62	381.36	4.447		
18,500.00	7,321.00	15,805.00	6,992.74	298.19	262.04	75.79	-4,165.91	-10,805.47	1,762.91	1,395.65	367.26	4.800		
18,600.00	7,321.00	15,805.00	6,992.74	300.78	262.04	75.79	-4,165.91	-10,805.47	1,832.85	1,479.13	353.72	5.182		
18,700.00	7,321.00	15,805.00	6,992.74	303.38	262.04	75.79	-4,165.91	-10,805.47	1,905.48	1,564.68	340.79	5.591		
18,800.00	7,321.00	15,805.00	6,992.74	305.98	262.04	75.79	-4,165.91	-10,805.47	1,980.49	1,651.97	328.52	6.028		
18,900.00	7,321.00	15,805.00	6,992.74	308.58	262.04	75.79	-4,165.91	-10,805.47	2,057.63	1,740.71	316.92	6.493		
19,000.00	7,321.00	15,805.00	6,992.74	311.18	262.04	75.79	-4,165.91	-10,805.47	2,136.67	1,830.70	305.97	6.983		
19,100.00	7,321.00	15,805.00	6,992.74	313.78	262.04	75.79	-4,165.91	-10,805.47	2,217.40	1,921.73	295.67	7.500		
19,200.00	7,321.00	15,805.00	6,992.74	316.39	262.04	75.79	-4,165.91	-10,805.47	2,299.64	2,013.66	285.99	8.041		
19,300.00	7,321.00	15,805.00	6,992.74	318.99	262.04	75.79	-4,165.91	-10,805.47	2,383.25	2,106.35	276.89	8.607		
19,400.00	7,321.00	15,805.00	6,992.74	321.60	262.04	75.79	-4,165.91	-10,805.47	2,468.07	2,199.70	268.37	9.197		
19,500.00	7,321.00	15,805.00	6,992.74	324.21	262.04	75.89	-4,165.91	-10,805.47	2,553.98	2,293.62	260.36	9.809		
19,600.00	7,321.00	15,805.00	6,992.74	326.81	262.04	76.68	-4,165.91	-10,805.47	2,639.86	2,387.29	252.56	10.452		
19,700.00	7,321.00	15,805.00	6,992.74	329.42	262.04	77.41	-4,165.91	-10,805.47	2,724.99	2,480.21	244.79	11.132		
19,800.00	7,321.00	15,805.00	6,992.74	332.01	262.04	78.08	-4,165.91	-10,805.47	2,809.35	2,572.32	237.03	11.852		
19,900.00	7,321.00	15,805.00	6,992.74	334.60	262.04	78.69	-4,165.91	-10,805.47	2,892.91	2,663.60	229.31	12.616		

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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ICE MAN 2W-15-6N - ORIGINAL WELLBORE - WB #1 - PATT 901												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,000.00	7,321.00	15,805.00	6,992.74	337.16	262.04	79.25	-4,165.91	-10,805.47	2,975.63	2,754.00	221.63	13.426	
20,100.00	7,321.00	15,805.00	6,992.74	339.72	262.04	79.31	-4,165.91	-10,805.47	3,058.24	2,844.09	214.16	14.280	
20,200.00	7,321.00	15,805.00	6,992.74	342.28	262.04	79.31	-4,165.91	-10,805.47	3,141.86	2,934.74	207.11	15.170	
20,300.00	7,321.00	15,805.00	6,992.74	344.84	262.04	79.31	-4,165.91	-10,805.47	3,226.40	3,025.91	200.49	16.093	
20,400.00	7,321.00	15,805.00	6,992.74	347.40	262.04	79.31	-4,165.91	-10,805.47	3,311.81	3,117.55	194.25	17.049	
20,500.00	7,321.00	15,805.00	6,992.74	349.97	262.04	79.31	-4,165.91	-10,805.47	3,398.01	3,209.62	188.40	18.037	
20,540.60	7,321.00	15,805.00	6,992.74	351.01	262.04	79.31	-4,165.91	-10,805.47	3,433.23	3,247.11	186.12	18.446	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	100.20	100.20	0.27	0.14	-172.46	-1,420.39	-188.02	1,432.83	1,432.42	0.41	3,501.438		
200.00	200.00	207.70	207.69	0.63	0.46	-172.48	-1,419.20	-187.45	1,431.66	1,430.57	1.09	1,315.903		
300.00	300.00	289.59	289.58	0.99	0.74	-172.49	-1,418.50	-187.07	1,430.78	1,429.05	1.73	827.145		
306.90	306.90	294.93	294.91	1.01	0.76	-172.49	-1,418.50	-187.07	1,430.78	1,429.01	1.77	807.052		
400.00	400.00	371.79	371.78	1.34	1.03	-172.48	-1,418.95	-187.37	1,431.36	1,428.99	2.37	603.985		
500.00	499.98	461.98	461.94	1.69	1.34	-23.05	-1,420.23	-188.52	1,431.32	1,428.29	3.02	473.339		
600.00	599.84	542.97	542.90	2.03	1.62	-23.08	-1,421.79	-190.15	1,428.73	1,425.09	3.65	391.938		
700.00	699.45	605.00	604.85	2.38	1.84	-23.12	-1,424.14	-192.39	1,425.03	1,420.82	4.21	338.625		
800.00	798.70	685.30	684.91	2.75	2.14	-23.17	-1,428.66	-196.49	1,420.09	1,415.24	4.85	292.905		
900.00	897.47	761.59	760.84	3.15	2.42	-23.24	-1,434.16	-201.48	1,413.66	1,408.18	5.48	257.765		
1,000.00	995.62	833.16	831.88	3.58	2.70	-23.31	-1,440.37	-207.49	1,405.77	1,399.66	6.11	229.912		
1,100.00	1,093.06	902.98	900.91	4.04	2.98	-23.38	-1,447.79	-214.96	1,396.88	1,390.13	6.75	206.922		
1,200.00	1,189.64	986.00	982.59	4.54	3.33	-23.41	-1,457.66	-225.96	1,386.42	1,378.96	7.46	185.824		
1,300.00	1,285.27	1,071.22	1,066.10	5.08	3.71	-23.44	-1,468.45	-239.12	1,373.86	1,365.66	8.21	167.414		
1,400.00	1,379.82	1,149.67	1,142.69	5.67	4.08	-23.50	-1,479.15	-252.31	1,359.31	1,350.37	8.94	151.974		
1,500.00	1,473.17	1,213.68	1,204.89	6.30	4.39	-23.58	-1,488.92	-263.79	1,343.48	1,333.84	9.64	139.383		
1,600.00	1,565.21	1,272.00	1,261.12	6.99	4.69	-23.69	-1,499.51	-275.09	1,327.45	1,317.12	10.32	128.586		
1,700.00	1,655.84	1,330.93	1,317.34	7.73	5.03	-23.78	-1,511.77	-287.73	1,311.24	1,300.20	11.04	118.766		
1,800.00	1,744.94	1,397.43	1,380.01	8.52	5.42	-23.84	-1,527.19	-303.78	1,294.70	1,282.88	11.82	109.533		
1,900.00	1,832.39	1,462.00	1,440.41	9.37	5.82	-23.92	-1,543.15	-320.10	1,277.00	1,264.38	12.62	101.224		
2,000.00	1,918.11	1,540.76	1,513.29	10.27	6.36	-23.98	-1,563.93	-341.55	1,258.13	1,244.60	13.53	92.967		
2,100.00	2,001.97	1,624.49	1,589.73	11.22	6.96	-24.02	-1,587.51	-366.25	1,238.22	1,223.70	14.52	85.295		
2,200.00	2,083.88	1,703.23	1,661.48	12.23	7.55	-24.13	-1,610.09	-389.54	1,215.87	1,200.36	15.51	78.410		
2,300.00	2,163.74	1,762.00	1,714.25	13.29	8.00	-24.26	-1,628.07	-408.13	1,192.84	1,176.45	16.39	72.779		
2,400.00	2,241.45	1,827.15	1,771.67	14.40	8.56	-24.36	-1,649.54	-430.17	1,169.58	1,152.22	17.36	67.380		
2,500.00	2,316.92	1,898.23	1,832.99	15.57	9.20	-24.42	-1,674.70	-455.83	1,146.11	1,127.71	18.40	62.290		
2,600.00	2,390.05	1,978.55	1,901.20	16.78	9.96	-24.44	-1,703.77	-486.72	1,121.08	1,101.53	19.55	57.351		
2,700.00	2,460.76	2,048.00	1,959.07	18.05	10.64	-24.43	-1,729.48	-515.23	1,094.63	1,073.99	20.64	53.036		
2,800.00	2,528.95	2,124.25	2,021.20	19.37	11.46	-24.36	-1,758.68	-548.41	1,067.17	1,045.35	21.82	48.899		
2,900.00	2,595.08	2,223.52	2,101.13	20.72	12.53	-24.06	-1,797.85	-592.34	1,038.70	1,015.49	23.21	44.745		
3,000.00	2,661.04	2,303.36	2,165.72	22.08	13.42	-23.78	-1,829.55	-626.94	1,010.07	985.61	24.46	41.297		
3,100.00	2,726.99	2,403.54	2,245.65	23.46	14.54	-23.32	-1,870.09	-671.70	982.70	956.86	25.85	38.017		
3,200.00	2,792.94	2,517.93	2,339.38	24.84	15.79	-23.05	-1,915.87	-718.61	953.72	926.36	27.36	34.852		
3,300.00	2,858.90	2,585.86	2,395.17	26.22	16.54	-22.93	-1,943.47	-745.81	925.14	896.60	28.53	32.424		
3,400.00	2,924.85	2,670.48	2,462.89	27.61	17.49	-22.65	-1,979.50	-781.54	899.24	869.44	29.80	30.179		
3,500.00	2,990.81	2,783.16	2,554.34	29.00	18.75	-22.44	-2,027.56	-826.48	872.80	841.49	31.30	27.881		
3,600.00	3,056.76	2,871.45	2,626.74	30.40	19.73	-22.33	-2,064.61	-860.83	845.32	812.67	32.64	25.895		
3,700.00	3,122.71	2,956.12	2,693.90	31.80	20.72	-21.88	-2,100.14	-898.19	819.52	785.66	33.86	24.204		
3,800.00	3,188.67	3,053.79	2,771.01	33.20	21.87	-21.33	-2,141.75	-941.34	794.52	759.38	35.14	22.608		
3,900.00	3,254.62	3,169.90	2,864.54	34.60	23.21	-20.87	-2,190.77	-989.58	768.27	731.71	36.57	21.010		
4,000.00	3,320.58	3,260.91	2,939.18	36.01	24.22	-20.65	-2,228.58	-1,025.39	740.53	702.67	37.86	19.561		
4,100.00	3,386.53	3,360.53	3,020.26	37.41	25.34	-20.33	-2,270.50	-1,065.30	713.61	674.45	39.16	18.224		
4,200.00	3,452.48	3,444.93	3,089.09	38.82	26.30	-20.07	-2,305.99	-1,098.83	686.61	646.23	40.38	17.004		
4,300.00	3,518.44	3,547.67	3,171.14	40.23	27.49	-19.44	-2,349.60	-1,142.66	661.13	619.57	41.56	15.906		
4,400.00	3,584.39	3,677.62	3,278.92	41.64	28.91	-19.07	-2,402.24	-1,192.58	632.07	589.13	42.94	14.721		
4,500.00	3,650.35	3,766.00	3,352.88	43.05	29.86	-18.74	-2,436.40	-1,226.82	601.14	557.03	44.11	13.628		
4,600.00	3,716.30	3,848.18	3,420.10	44.46	30.80	-18.05	-2,468.12	-1,261.85	571.66	526.54	45.11	12.672		
4,700.00	3,782.25	3,967.96	3,518.32	45.88	32.15	-16.83	-2,513.18	-1,313.48	541.61	495.64	45.97	11.783		
4,800.00	3,848.21	4,044.37	3,581.63	47.29	32.99	-16.15	-2,542.21	-1,344.92	511.06	464.15	46.91	10.895		
4,900.00	3,914.16	4,131.45	3,653.02	48.71	33.98	-15.38	-2,577.18	-1,380.45	482.81	435.00	47.81	10.099		
5,000.00	3,980.12	4,222.29	3,726.67	50.12	35.02	-14.42	-2,614.49	-1,418.31	456.01	407.41	48.60	9.383		
5,100.00	4,046.07	4,314.95	3,800.93	51.54	36.11	-13.09	-2,652.62	-1,458.54	430.29	381.08	49.21	8.744		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	4,112.02	4,408.15	3,875.35	52.95	37.22	-11.66	-2,691.66	-1,498.86	405.52	355.77	49.74	8.152		
5,300.00	4,177.98	4,500.88	3,949.16	54.37	38.32	-10.19	-2,731.49	-1,538.40	381.82	331.57	50.25	7.599		
5,400.00	4,243.93	4,605.55	4,032.86	55.79	39.55	-8.57	-2,777.09	-1,581.65	358.34	307.54	50.80	7.054		
5,500.00	4,309.89	4,704.92	4,113.95	57.21	40.67	-7.16	-2,819.61	-1,620.24	332.86	281.45	51.40	6.475		
5,600.00	4,375.84	4,799.75	4,191.32	58.63	41.74	-5.56	-2,860.11	-1,657.20	307.60	255.67	51.93	5.923		
5,700.00	4,441.79	4,896.49	4,269.70	60.05	42.86	-3.14	-2,900.35	-1,697.13	282.94	230.66	52.27	5.413		
5,800.00	4,507.75	4,984.16	4,339.58	61.47	43.92	0.32	-2,935.30	-1,736.89	260.07	207.56	52.52	4.952		
5,900.00	4,573.70	5,082.42	4,416.37	62.89	45.13	5.37	-2,974.48	-1,784.01	240.62	187.21	53.41	4.505		
6,000.00	4,639.66	5,170.01	4,485.05	64.31	46.22	10.06	-3,010.66	-1,824.55	223.04	167.81	55.23	4.038		
6,100.00	4,705.61	5,273.64	4,564.77	65.73	47.51	15.16	-3,058.10	-1,870.72	209.65	151.08	58.57	3.579		
6,200.00	4,771.56	5,385.46	4,655.11	67.15	48.79	20.77	-3,107.67	-1,914.07	191.23	128.09	63.14	3.029		
6,300.00	4,837.52	5,478.68	4,732.19	68.57	49.82	26.71	-3,147.13	-1,948.57	171.46	102.05	69.41	2.470		
6,400.00	4,903.47	5,570.96	4,807.72	69.99	50.86	34.44	-3,185.52	-1,985.15	156.42	77.68	78.74	1.987		
6,500.00	4,969.43	5,663.55	4,882.35	71.41	51.94	43.51	-3,224.21	-2,023.93	147.66	57.14	90.52	1.631		
6,600.00	5,035.38	5,761.56	4,959.86	72.83	53.11	52.85	-3,267.58	-2,065.36	144.44	41.98	102.46	1.410 Level 3		
6,666.29	5,079.10	5,826.72	5,011.75	73.77	53.89	59.13	-3,296.67	-2,091.97	143.54	33.51	110.03	1.305 Level 3, CC		
6,700.00	5,101.33	5,858.94	5,037.41	74.25	54.27	62.27	-3,311.00	-2,105.18	143.83	30.21	113.61	1.266 Level 3		
6,800.00	5,167.29	5,953.38	5,112.65	75.67	55.39	71.45	-3,352.28	-2,144.57	148.28	25.36	122.92	1.206 Level 2, ES, SF		
6,900.00	5,233.24	6,047.17	5,187.86	77.10	56.50	80.45	-3,391.16	-2,184.92	158.69	28.87	129.82	1.222 Level 2		
7,000.00	5,299.20	6,142.68	5,264.90	78.52	57.62	88.72	-3,429.35	-2,226.50	174.05	39.77	134.28	1.296 Level 3		
7,100.00	5,365.15	6,236.57	5,339.75	79.94	58.75	95.05	-3,467.87	-2,268.08	192.46	55.79	136.68	1.408 Level 3		
7,200.00	5,431.10	6,333.09	5,416.19	81.36	59.91	100.21	-3,507.11	-2,312.02	213.99	75.64	138.36	1.547		
7,300.00	5,497.06	6,430.58	5,496.16	82.79	61.04	105.61	-3,544.97	-2,352.95	236.19	97.09	139.11	1.698		
7,400.00	5,563.01	6,522.94	5,571.71	84.21	62.09	109.78	-3,581.13	-2,391.88	259.89	120.78	139.11	1.868		
7,500.00	5,628.97	6,624.19	5,655.19	85.63	63.23	113.79	-3,619.07	-2,434.27	285.60	146.15	139.44	2.048		
7,600.00	5,694.92	6,723.26	5,736.41	87.06	64.35	117.06	-3,660.47	-2,474.09	309.19	169.62	139.57	2.215		
7,700.00	5,760.87	6,818.07	5,813.48	88.48	65.44	119.51	-3,698.88	-2,513.34	333.81	194.07	139.73	2.389		
7,800.00	5,826.83	6,916.03	5,892.59	89.90	66.59	121.55	-3,739.32	-2,554.61	358.89	218.59	140.30	2.558		
7,900.00	5,892.78	7,010.34	5,968.20	91.33	67.71	123.12	-3,778.74	-2,594.90	384.00	243.07	140.93	2.725		
8,000.00	5,958.74	7,103.27	6,042.34	92.75	68.81	124.34	-3,817.11	-2,635.74	410.18	268.43	141.75	2.894		
8,100.00	6,024.69	7,187.32	6,110.60	94.17	69.78	125.56	-3,850.42	-2,671.70	437.90	296.03	141.87	3.087		
8,200.00	6,090.64	7,297.43	6,203.01	95.60	70.98	127.58	-3,891.35	-2,715.36	467.72	325.10	142.62	3.279		
8,300.00	6,156.60	7,413.57	6,299.33	97.02	72.24	129.61	-3,940.39	-2,757.83	491.97	348.74	143.22	3.435		
8,400.00	6,222.55	7,513.04	6,380.27	98.45	73.36	130.94	-3,984.41	-2,795.30	514.80	371.07	143.73	3.582		
8,500.00	6,288.51	7,603.20	6,452.40	99.87	74.42	131.75	-4,024.37	-2,831.76	538.22	393.71	144.51	3.724		
8,600.00	6,354.46	7,708.52	6,535.58	101.29	75.69	132.38	-4,071.28	-2,876.17	561.73	415.62	146.12	3.844		
8,700.00	6,420.41	7,802.00	6,609.13	102.72	76.82	132.90	-4,113.60	-2,915.39	584.51	437.11	147.39	3.966		
8,800.00	6,486.37	7,882.73	6,673.00	104.14	77.80	133.30	-4,148.99	-2,949.80	608.96	460.68	148.28	4.107		
8,900.00	6,552.32	7,969.79	6,742.21	105.57	78.85	133.62	-4,185.20	-2,988.25	635.85	486.33	149.51	4.253		
9,000.00	6,618.28	8,058.56	6,812.52	106.99	79.93	133.83	-4,221.31	-3,028.67	663.85	512.85	150.99	4.397		
9,100.00	6,684.23	8,147.85	6,883.76	108.42	81.01	134.06	-4,256.74	-3,069.19	692.86	540.42	152.45	4.545		
9,200.00	6,750.18	8,226.21	6,946.45	109.84	81.96	134.22	-4,286.94	-3,105.20	723.15	569.70	153.45	4.713		
9,300.00	6,816.14	8,296.98	7,002.37	111.26	82.85	134.16	-4,312.24	-3,140.42	756.44	602.05	154.38	4.900		
9,400.00	6,882.09	8,375.00	7,057.44	112.69	83.93	133.19	-4,338.22	-3,188.98	792.52	635.45	157.08	5.045		
9,500.00	6,948.05	8,438.24	7,095.73	114.11	84.95	131.76	-4,357.74	-3,235.33	831.37	671.88	159.49	5.213		
9,600.00	7,014.00	8,510.25	7,133.69	115.54	86.16	129.73	-4,378.51	-3,292.85	873.13	710.00	163.13	5.352		
9,700.00	7,079.88	8,565.00	7,158.50	116.97	87.11	125.82	-4,393.85	-3,339.17	917.36	752.51	164.85	5.565		
9,800.00	7,142.10	8,619.64	7,179.74	118.48	88.10	113.24	-4,407.69	-3,387.54	959.98	794.29	165.69	5.794		
9,900.00	7,197.32	8,668.24	7,195.66	120.08	88.98	103.51	-4,417.80	-3,432.33	997.92	833.29	164.63	6.062		
10,000.00	7,243.87	8,756.00	7,219.02	121.71	90.60	95.81	-4,435.11	-3,515.11	1,027.18	859.27	167.91	6.117		
10,100.00	7,280.34	8,799.67	7,228.24	123.32	91.39	90.95	-4,442.67	-3,557.12	1,047.89	883.11	164.77	6.360		
10,200.00	7,305.62	8,852.00	7,236.90	124.84	92.35	87.90	-4,448.43	-3,608.38	1,061.90	899.56	162.34	6.541		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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					
10,300.00	7,318.93	8,885.89	7,240.61	126.22	92.94	86.53	-4,450.50	-3,642.00	1,068.11	911.13	156.97	6.804					
10,400.00	7,321.00	8,947.00	7,241.96	127.44	94.00	86.40	-4,451.77	-3,703.04	1,067.63	912.22	155.41	6.870					
10,500.00	7,321.00	9,045.79	7,241.80	128.66	95.70	86.39	-4,452.12	-3,801.81	1,067.31	907.89	159.42	6.695					
10,600.00	7,321.00	9,183.26	7,243.99	129.91	98.19	86.49	-4,456.40	-3,939.19	1,064.12	894.78	169.34	6.284					
10,700.00	7,321.00	9,305.69	7,246.11	131.19	100.51	86.58	-4,463.84	-4,061.36	1,057.93	880.85	177.08	5.974					
10,800.00	7,321.00	9,376.01	7,247.70	132.51	101.86	86.66	-4,468.17	-4,131.53	1,051.86	874.72	177.14	5.938					
10,900.00	7,321.00	9,446.93	7,246.26	133.87	103.22	86.57	-4,469.84	-4,202.41	1,049.47	872.35	177.12	5.925					
11,000.00	7,321.00	9,551.55	7,242.94	135.26	105.23	86.38	-4,472.49	-4,306.94	1,047.14	864.91	182.23	5.746					
11,084.46	7,321.00	9,616.00	7,242.39	136.46	106.48	86.35	-4,473.06	-4,371.38	1,046.43	863.51	182.92	5.721					
11,100.00	7,321.00	9,628.64	7,242.45	136.68	106.73	86.35	-4,473.02	-4,384.02	1,046.47	863.29	183.17	5.713					
11,200.00	7,321.00	9,730.80	7,243.60	138.14	108.73	86.42	-4,472.78	-4,486.18	1,046.66	858.51	188.15	5.563					
11,300.00	7,321.00	9,833.24	7,245.88	139.63	110.78	86.54	-4,472.78	-4,588.59	1,046.56	853.31	193.25	5.416					
11,371.42	7,321.00	9,903.00	7,246.65	140.71	112.19	86.58	-4,472.81	-4,658.34	1,046.50	850.15	196.35	5.330					
11,400.00	7,321.00	9,929.31	7,246.74	141.15	112.72	86.59	-4,472.78	-4,684.65	1,046.53	849.20	197.33	5.303					
11,500.00	7,321.00	10,020.52	7,247.63	142.70	114.58	86.64	-4,472.20	-4,775.86	1,047.14	846.47	200.67	5.218					
11,600.00	7,321.00	10,121.52	7,247.27	144.29	116.67	86.63	-4,470.76	-4,876.85	1,048.62	843.04	205.58	5.101					
11,692.44	7,321.00	10,224.05	7,248.36	145.78	118.82	86.68	-4,471.08	-4,979.37	1,048.22	836.56	211.66	4.952					
11,700.00	7,321.00	10,229.47	7,248.38	145.91	118.94	86.68	-4,471.08	-4,984.78	1,048.23	836.55	211.68	4.952					
11,800.00	7,321.00	10,307.47	7,247.50	147.55	120.58	86.64	-4,469.94	-5,062.77	1,049.71	836.80	212.91	4.930					
11,900.00	7,321.00	10,410.18	7,245.84	149.23	122.76	86.56	-4,467.69	-5,165.44	1,052.03	833.88	218.15	4.823					
12,000.00	7,321.00	10,531.52	7,243.92	150.93	125.39	86.46	-4,466.39	-5,286.76	1,053.25	826.84	226.41	4.652					
12,100.00	7,321.00	10,634.09	7,242.37	152.67	127.64	86.37	-4,467.05	-5,389.31	1,052.73	821.06	231.67	4.544					
12,200.00	7,321.00	10,746.10	7,240.23	154.43	130.14	86.25	-4,467.72	-5,501.30	1,052.32	813.89	238.43	4.414					
12,300.00	7,321.00	10,870.79	7,237.27	156.22	132.96	86.08	-4,471.13	-5,625.90	1,049.78	802.67	247.11	4.248					
12,400.00	7,321.00	10,954.00	7,234.60	158.04	134.87	85.92	-4,473.76	-5,709.03	1,046.87	797.50	249.37	4.198					
12,497.66	7,321.00	11,029.58	7,233.05	159.84	136.59	85.83	-4,474.84	-5,784.58	1,045.70	795.04	250.66	4.172					
12,500.00	7,321.00	11,031.33	7,233.04	159.88	136.63	85.83	-4,474.84	-5,786.33	1,045.70	795.02	250.68	4.171					
12,600.00	7,321.00	11,129.59	7,233.45	161.75	138.88	85.86	-4,474.41	-5,884.58	1,046.13	790.71	255.42	4.096					
12,700.00	7,321.00	11,254.54	7,234.45	163.64	141.78	85.91	-4,475.61	-6,009.53	1,045.14	780.68	264.46	3.952					
12,800.00	7,321.00	11,355.61	7,234.66	165.56	144.15	85.91	-4,477.88	-6,110.56	1,042.92	773.25	269.67	3.867					
12,900.00	7,321.00	11,456.62	7,232.74	167.49	146.53	85.80	-4,480.35	-6,211.52	1,040.64	765.84	274.80	3.787					
13,000.00	7,321.00	11,547.46	7,229.21	169.46	148.68	85.59	-4,482.83	-6,302.26	1,038.28	760.01	278.27	3.731					
13,041.40	7,321.00	11,573.54	7,228.25	170.27	149.30	85.54	-4,483.10	-6,328.32	1,037.98	760.11	277.86	3.736					
13,100.00	7,321.00	11,623.00	7,226.88	171.44	150.46	85.47	-4,482.53	-6,377.76	1,038.71	759.42	279.28	3.719					
13,200.00	7,321.00	11,684.83	7,226.46	173.45	151.90	85.45	-4,480.31	-6,439.54	1,042.01	764.10	277.92	3.749					
13,300.00	7,321.00	11,770.60	7,228.21	175.47	153.90	85.57	-4,475.52	-6,525.15	1,047.42	766.78	280.64	3.732					
13,400.00	7,321.00	11,860.61	7,229.88	177.52	156.00	85.68	-4,469.73	-6,614.97	1,053.73	769.63	284.10	3.709					
13,500.00	7,321.00	11,956.13	7,230.72	179.58	158.23	85.76	-4,462.76	-6,710.22	1,060.96	772.43	288.53	3.677					
13,600.00	7,321.00	12,137.91	7,230.60	181.67	162.57	85.78	-4,456.64	-6,891.81	1,064.36	756.98	307.38	3.463					
13,700.00	7,321.00	12,234.14	7,230.50	183.77	164.91	85.77	-4,456.78	-6,988.05	1,064.25	752.31	311.93	3.412					
13,800.00	7,321.00	12,336.73	7,228.74	185.89	167.42	85.67	-4,457.25	-7,090.62	1,063.94	746.51	317.44	3.352					
13,900.00	7,321.00	12,441.56	7,225.64	188.02	170.00	85.50	-4,457.98	-7,195.39	1,063.51	740.27	323.24	3.290					
14,000.00	7,321.00	12,555.81	7,222.91	190.18	172.82	85.35	-4,459.85	-7,309.59	1,062.11	731.60	330.51	3.214					
14,100.00	7,321.00	12,660.34	7,223.71	192.35	175.42	85.38	-4,462.37	-7,414.08	1,059.66	723.26	336.41	3.150					
14,200.00	7,321.00	12,735.77	7,223.86	194.53	177.29	85.38	-4,463.58	-7,489.50	1,058.13	720.35	337.78	3.133					
14,300.00	7,321.00	12,879.45	7,226.48	196.73	180.88	85.52	-4,466.12	-7,633.10	1,056.44	706.69	349.75	3.021					
14,400.00	7,321.00	12,957.00	7,227.35	198.95	182.83	85.55	-4,468.45	-7,710.61	1,053.33	701.71	351.61	2.996					
14,500.00	7,321.00	13,087.25	7,230.19	201.17	186.12	85.68	-4,475.73	-7,840.59	1,046.99	685.57	361.42	2.897					
14,600.00	7,321.00	13,147.00	7,231.07	203.42	187.63	85.72	-4,476.90	-7,900.31	1,044.49	683.91	360.58	2.897					
14,700.00	7,321.00	13,250.27	7,230.97	205.67	190.23	85.71	-4,477.21	-8,003.58	1,044.26	677.94	366.32	2.851					
14,749.62	7,321.00	13,283.24	7,230.59	206.79	191.05	85.69	-4,477.43	-8,036.54	1,043.95	677.70	366.25	2.850					
14,800.00	7,321.00	13,320.13	7,229.86	207.94	191.98	85.65	-4,477.25	-8,073.43	1,044.28	677.62	366.65	2.848					

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
14,900.00	7,321.00	13,446.94	7,228.37	210.22	195.17	85.57	-4,476.76	-8,200.22	1,044.92	668.76	376.16	2.778		
14,973.90	7,321.00	13,507.55	7,228.20	211.91	196.71	85.56	-4,476.97	-8,260.82	1,044.66	666.74	377.91	2.764		
15,000.00	7,321.00	13,531.03	7,228.00	212.51	197.30	85.55	-4,476.96	-8,284.31	1,044.69	665.84	378.85	2.758		
15,100.00	7,321.00	13,630.24	7,227.44	214.81	199.81	85.52	-4,476.73	-8,383.51	1,044.99	661.04	383.95	2.722		
15,200.00	7,321.00	13,733.01	7,226.82	217.12	202.42	85.49	-4,476.59	-8,486.28	1,045.21	655.58	389.63	2.683		
15,279.52	7,321.00	13,818.13	7,225.61	218.97	204.59	85.42	-4,476.88	-8,571.39	1,045.05	650.39	394.66	2.648		
15,300.00	7,321.00	13,815.00	7,225.67	219.45	204.51	85.43	-4,476.86	-8,568.26	1,045.22	653.33	391.88	2.667		
15,400.00	7,321.00	13,891.23	7,225.40	221.78	206.44	85.42	-4,475.53	-8,644.47	1,047.28	654.20	393.08	2.664		
15,500.00	7,321.00	13,984.14	7,226.63	224.13	208.78	85.51	-4,470.89	-8,737.26	1,052.15	654.95	397.20	2.649		
15,600.00	7,321.00	14,084.19	7,226.78	226.48	211.31	85.53	-4,466.25	-8,837.20	1,056.79	654.26	402.53	2.625		
15,700.00	7,321.00	14,263.99	7,228.55	228.85	215.90	85.64	-4,464.70	-9,016.88	1,057.50	636.68	420.82	2.513		
15,800.00	7,321.00	14,388.29	7,232.06	231.22	219.12	85.80	-4,470.76	-9,140.97	1,052.20	622.47	429.73	2.449		
15,900.00	7,321.00	14,500.03	7,235.59	233.60	222.02	85.97	-4,477.15	-9,252.46	1,046.27	609.51	436.76	2.396		
16,000.00	7,321.00	14,589.49	7,236.94	235.99	224.35	86.02	-4,482.19	-9,341.78	1,040.57	599.93	440.64	2.361		
16,100.00	7,321.00	14,693.48	7,237.43	238.39	227.05	86.03	-4,487.82	-9,445.61	1,035.16	588.67	446.50	2.318		
16,200.00	7,321.00	14,798.31	7,238.28	240.79	229.78	86.05	-4,494.22	-9,550.24	1,029.04	576.55	452.49	2.274		
16,300.00	7,321.00	14,883.01	7,238.84	243.21	231.99	86.06	-4,499.03	-9,634.80	1,023.39	567.75	455.64	2.246		
16,400.00	7,321.00	14,960.00	7,237.57	245.63	233.99	85.98	-4,501.39	-9,711.74	1,020.33	562.88	457.46	2.230		
16,500.00	7,321.00	15,039.66	7,234.34	248.06	236.06	85.80	-4,502.27	-9,791.32	1,019.42	560.02	459.39	2.219		
16,540.06	7,321.00	15,075.36	7,232.58	249.03	236.98	85.70	-4,502.50	-9,826.98	1,019.32	558.60	460.72	2.212		
16,600.00	7,321.00	15,127.74	7,230.93	250.49	238.34	85.61	-4,502.44	-9,879.33	1,019.54	556.98	462.57	2.204		
16,700.00	7,321.00	15,230.72	7,229.50	252.93	241.00	85.53	-4,501.76	-9,982.30	1,020.34	552.03	468.31	2.179		
16,800.00	7,321.00	15,347.76	7,226.50	255.38	244.05	85.36	-4,502.43	-10,099.30	1,020.02	543.78	476.24	2.142		
16,841.80	7,321.00	15,377.20	7,225.88	256.41	244.81	85.32	-4,502.61	-10,128.73	1,019.82	543.39	476.43	2.141		
16,900.00	7,321.00	15,421.56	7,225.67	257.84	245.96	85.31	-4,502.34	-10,173.09	1,020.22	543.01	477.21	2.138		
17,000.00	7,321.00	15,545.87	7,227.40	260.30	249.20	85.42	-4,501.55	-10,297.38	1,020.86	534.24	486.62	2.098		
17,100.00	7,321.00	15,641.44	7,228.03	262.76	251.69	85.45	-4,502.27	-10,392.95	1,020.08	528.82	491.26	2.076		
17,130.20	7,321.00	15,665.61	7,227.92	263.51	252.32	85.44	-4,502.36	-10,417.12	1,019.99	528.11	491.89	2.074		
17,200.00	7,321.00	15,723.00	7,227.16	265.24	253.82	85.40	-4,502.03	-10,474.50	1,020.47	526.97	493.50	2.068		
17,300.00	7,321.00	15,852.57	7,224.50	267.72	257.21	85.25	-4,503.23	-10,604.03	1,019.59	516.10	503.49	2.025		
17,400.00	7,321.00	15,944.30	7,222.55	270.20	259.61	85.13	-4,504.55	-10,695.72	1,018.37	510.97	507.40	2.007		
17,500.00	7,321.00	16,041.87	7,219.51	272.69	262.17	84.96	-4,505.50	-10,793.25	1,017.69	505.53	512.16	1.987		
17,509.50	7,321.00	16,045.00	7,219.41	272.93	262.25	84.95	-4,505.53	-10,796.37	1,017.65	506.02	511.62	1.989		
17,600.00	7,321.00	16,045.00	7,219.41	275.18	262.25	84.95	-4,505.53	-10,796.37	1,021.67	521.94	499.73	2.044		
17,700.00	7,321.00	16,045.00	7,219.41	277.68	262.25	84.95	-4,505.53	-10,796.37	1,035.33	552.72	482.61	2.145		
17,800.00	7,321.00	16,045.00	7,219.41	280.19	262.25	84.94	-4,505.53	-10,796.37	1,058.36	596.24	462.12	2.290		
17,900.00	7,321.00	16,045.00	7,219.41	282.71	262.25	84.88	-4,505.53	-10,796.37	1,092.20	652.73	439.47	2.485		
18,000.00	7,321.00	16,045.00	7,219.41	285.26	262.25	84.79	-4,505.53	-10,796.37	1,136.95	720.92	416.03	2.733		
18,100.00	7,321.00	16,045.00	7,219.41	287.83	262.25	84.67	-4,505.53	-10,796.37	1,191.32	798.37	392.95	3.032		
18,200.00	7,321.00	16,045.00	7,219.41	290.41	262.25	84.52	-4,505.53	-10,796.37	1,254.01	882.89	371.12	3.379		
18,300.00	7,321.00	16,045.00	7,219.41	293.00	262.25	84.37	-4,505.53	-10,796.37	1,323.71	972.65	351.06	3.771		
18,400.00	7,321.00	16,045.00	7,219.41	295.59	262.25	84.37	-4,505.53	-10,796.37	1,397.79	1,065.23	332.56	4.203		
18,500.00	7,321.00	16,045.00	7,219.41	298.19	262.25	84.37	-4,505.53	-10,796.37	1,474.94	1,159.46	315.47	4.675		
18,600.00	7,321.00	16,045.00	7,219.41	300.78	262.25	84.37	-4,505.53	-10,796.37	1,554.69	1,254.91	299.77	5.186		
18,700.00	7,321.00	16,045.00	7,219.41	303.38	262.25	84.37	-4,505.53	-10,796.37	1,636.66	1,351.26	285.40	5.735		
18,800.00	7,321.00	16,045.00	7,219.41	305.98	262.25	84.37	-4,505.53	-10,796.37	1,720.55	1,448.28	272.27	6.319		
18,900.00	7,321.00	16,045.00	7,219.41	308.58	262.25	84.37	-4,505.53	-10,796.37	1,806.07	1,545.78	260.29	6.939		
19,000.00	7,321.00	16,045.00	7,219.41	311.18	262.25	84.37	-4,505.53	-10,796.37	1,893.01	1,643.66	249.35	7.592		
19,100.00	7,321.00	16,045.00	7,219.41	313.78	262.25	84.37	-4,505.53	-10,796.37	1,981.19	1,741.81	239.38	8.276		
19,200.00	7,321.00	16,045.00	7,219.41	316.39	262.25	84.37	-4,505.53	-10,796.37	2,070.44	1,840.17	230.27	8.991		
19,300.00	7,321.00	16,045.00	7,219.41	318.99	262.25	84.37	-4,505.53	-10,796.37	2,160.64	1,938.68	221.95	9.735		
19,400.00	7,321.00	16,045.00	7,219.41	321.60	262.25	84.37	-4,505.53	-10,796.37	2,251.66	2,037.31	214.34	10.505		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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	
19,500.00	7,321.00	16,045.00	7,219.41	324.21	262.25	84.42	-4,505.53	-10,796.37	2,343.40	2,136.03	207.37	11.300	
19,600.00	7,321.00	16,045.00	7,219.41	326.81	262.25	84.85	-4,505.53	-10,796.37	2,434.98	2,234.32	200.66	12.135	
19,700.00	7,321.00	16,045.00	7,219.41	329.42	262.25	85.23	-4,505.53	-10,796.37	2,525.82	2,331.82	194.00	13.020	
19,800.00	7,321.00	16,045.00	7,219.41	332.01	262.25	85.56	-4,505.53	-10,796.37	2,615.90	2,428.50	187.40	13.959	
19,900.00	7,321.00	16,045.00	7,219.41	334.60	262.25	85.86	-4,505.53	-10,796.37	2,705.19	2,524.29	180.89	14.954	
20,000.00	7,321.00	16,045.00	7,219.41	337.16	262.25	86.12	-4,505.53	-10,796.37	2,793.65	2,619.16	174.49	16.010	
20,100.00	7,321.00	16,045.00	7,219.41	339.72	262.25	86.15	-4,505.53	-10,796.37	2,881.92	2,713.54	168.38	17.116	
20,200.00	7,321.00	16,045.00	7,219.41	342.28	262.25	86.15	-4,505.53	-10,796.37	2,970.92	2,808.15	162.76	18.253	
20,300.00	7,321.00	16,045.00	7,219.41	344.84	262.25	86.15	-4,505.53	-10,796.37	3,060.59	2,902.96	157.63	19.417	
20,400.00	7,321.00	16,045.00	7,219.41	347.40	262.25	86.15	-4,505.53	-10,796.37	3,150.89	2,997.96	152.93	20.603	
20,500.00	7,321.00	16,045.00	7,219.41	349.97	262.25	86.15	-4,505.53	-10,796.37	3,241.76	3,093.12	148.64	21.809	
20,540.60	7,321.00	16,045.00	7,219.41	351.01	262.25	86.15	-4,505.53	-10,796.37	3,278.81	3,131.79	147.01	22.303	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	74.06	6.19	21.68	22.55					
100.00	100.00	100.00	100.00	0.27	0.27	74.06	6.19	21.68	22.55	22.01	0.54	41.936		
200.00	200.00	200.00	200.00	0.63	0.63	74.06	6.19	21.68	22.55	21.29	1.25	17.973		
300.00	300.00	300.00	300.00	0.99	0.99	74.06	6.19	21.68	22.55	20.58	1.97	11.437		
400.00	400.00	400.51	400.49	1.34	1.33	77.45	4.64	20.85	21.36	18.69	2.68	7.984		
500.00	499.98	500.88	500.71	1.69	1.68	-125.08	-0.01	18.35	19.31	15.95	3.36	5.749		
600.00	599.84	601.12	600.56	2.03	2.03	-115.13	-7.73	14.20	17.85	13.79	4.05	4.403		
700.00	699.45	701.23	699.92	2.38	2.41	-103.69	-18.52	8.40	17.14	12.36	4.79	3.581		
731.87	731.13	733.12	731.47	2.50	2.54	-99.88	-22.59	6.21	17.10	12.06	5.04	3.395 CC		
800.00	798.70	801.23	798.67	2.75	2.82	-91.78	-32.33	0.98	17.30	11.73	5.57	3.107		
900.00	897.47	901.09	896.69	3.15	3.25	-80.63	-49.15	-8.06	18.32	11.93	6.39	2.866		
1,000.00	995.62	1,000.84	993.87	3.58	3.72	-71.13	-68.94	-18.70	20.07	12.83	7.24	2.772		
1,100.00	1,093.06	1,100.46	1,090.08	4.04	4.23	-63.51	-91.67	-30.91	22.40	14.29	8.11	2.763		
1,200.00	1,189.64	1,200.00	1,185.27	4.54	4.78	-57.61	-117.31	-44.69	25.15	16.15	8.99	2.796		
1,300.00	1,285.27	1,299.33	1,279.19	5.08	5.38	-53.10	-145.79	-60.00	28.20	18.30	9.90	2.850		
1,400.00	1,379.82	1,398.58	1,371.86	5.67	6.02	-49.68	-177.09	-76.82	31.48	20.65	10.83	2.906		
1,500.00	1,473.17	1,497.72	1,463.13	6.30	6.71	-47.09	-211.15	-95.13	34.92	23.12	11.80	2.959		
1,600.00	1,565.21	1,596.73	1,552.90	6.99	7.45	-45.13	-247.93	-114.90	38.49	25.68	12.82	3.003		
1,700.00	1,655.84	1,695.63	1,641.08	7.73	8.25	-43.67	-287.38	-136.09	42.16	28.28	13.88	3.037		
1,800.00	1,744.94	1,794.41	1,727.55	8.52	9.09	-42.58	-329.43	-158.69	45.90	30.90	15.00	3.061		
1,900.00	1,832.39	1,893.08	1,812.23	9.37	9.98	-41.79	-374.03	-182.66	49.70	33.53	16.17	3.073		
2,000.00	1,918.11	1,991.63	1,895.03	10.27	10.92	-41.24	-421.11	-207.97	53.55	36.14	17.41	3.075		
2,100.00	2,001.97	2,090.08	1,975.84	11.22	11.91	-40.88	-470.62	-234.57	57.44	38.72	18.72	3.068		
2,200.00	2,083.88	2,188.41	2,054.59	12.23	12.95	-40.67	-522.48	-262.45	61.36	41.26	20.10	3.052		
2,300.00	2,163.74	2,286.64	2,131.20	13.29	14.04	-40.60	-576.64	-291.55	65.31	43.74	21.56	3.029		
2,400.00	2,241.45	2,384.77	2,205.57	14.40	15.18	-40.63	-633.02	-321.85	69.28	46.17	23.10	2.999		
2,500.00	2,316.92	2,482.79	2,277.63	15.57	16.36	-40.75	-691.54	-353.30	73.26	48.54	24.72	2.963		
2,600.00	2,390.05	2,580.72	2,347.31	16.78	17.59	-40.94	-752.14	-385.87	77.26	50.82	26.43	2.923		
2,700.00	2,460.76	2,678.54	2,414.54	18.05	18.86	-41.19	-814.74	-419.52	81.27	53.03	28.23	2.879		
2,800.00	2,528.95	2,776.28	2,479.23	19.37	20.17	-41.50	-879.26	-454.19	85.28	55.16	30.12	2.831		
2,900.00	2,595.08	2,873.90	2,541.32	20.72	21.53	-41.59	-945.61	-489.85	89.82	57.83	31.99	2.808		
3,000.00	2,661.04	2,972.16	2,601.39	22.08	22.93	-40.60	-1,014.11	-526.66	96.61	63.09	33.52	2.882		
3,100.00	2,726.99	3,071.87	2,661.82	23.46	24.37	-39.49	-1,083.97	-564.21	103.94	68.86	35.08	2.963		
3,200.00	2,792.94	3,171.58	2,722.26	24.84	25.81	-38.54	-1,153.82	-601.75	111.31	74.66	36.64	3.038		
3,300.00	2,858.90	3,271.30	2,782.70	26.22	27.26	-37.70	-1,223.68	-639.30	118.70	80.48	38.22	3.106		
3,400.00	2,924.85	3,371.01	2,843.14	27.61	28.72	-36.96	-1,293.54	-676.84	126.11	86.31	39.81	3.168		
3,500.00	2,990.81	3,470.72	2,903.58	29.00	30.17	-36.30	-1,363.40	-714.39	133.55	92.15	41.40	3.226		
3,600.00	3,056.76	3,570.43	2,964.01	30.40	31.63	-35.71	-1,433.26	-751.93	141.00	97.99	43.00	3.279		
3,700.00	3,122.71	3,670.14	3,024.45	31.80	33.10	-35.19	-1,503.12	-789.47	148.46	103.85	44.61	3.328		
3,800.00	3,188.67	3,769.86	3,084.89	33.20	34.57	-34.71	-1,572.97	-827.02	155.94	109.71	46.23	3.373		
3,900.00	3,254.62	3,869.57	3,145.33	34.60	36.03	-34.27	-1,642.83	-864.56	163.42	115.57	47.85	3.415		
4,000.00	3,320.58	3,969.28	3,205.77	36.01	37.51	-33.88	-1,712.69	-902.11	170.91	121.44	49.48	3.454		
4,100.00	3,386.53	4,068.99	3,266.21	37.41	38.98	-33.51	-1,782.55	-939.65	178.41	127.31	51.11	3.491		
4,200.00	3,452.48	4,168.71	3,326.64	38.82	40.45	-33.18	-1,852.41	-977.20	185.92	133.18	52.74	3.525		
4,300.00	3,518.44	4,268.42	3,387.08	40.23	41.93	-32.87	-1,922.27	-1,014.74	193.43	139.05	54.38	3.557		
4,400.00	3,584.39	4,368.13	3,447.52	41.64	43.40	-32.59	-1,992.12	-1,052.28	200.95	144.93	56.02	3.587		
4,500.00	3,650.35	4,467.84	3,507.96	43.05	44.88	-32.32	-2,061.98	-1,089.83	208.47	150.81	57.66	3.616		
4,600.00	3,716.30	4,567.55	3,568.40	44.46	46.36	-32.08	-2,131.84	-1,127.37	216.00	156.69	59.31	3.642		
4,700.00	3,782.25	4,667.27	3,628.83	45.88	47.84	-31.85	-2,201.70	-1,164.92	223.53	162.57	60.95	3.667		
4,800.00	3,848.21	4,766.98	3,689.27	47.29	49.32	-31.63	-2,271.56	-1,202.46	231.06	168.46	62.60	3.691		
4,900.00	3,914.16	4,866.69	3,749.71	48.71	50.80	-31.43	-2,341.42	-1,240.01	238.60	174.34	64.26	3.713		
5,000.00	3,980.12	4,966.40	3,810.15	50.12	52.28	-31.24	-2,411.27	-1,277.55	246.13	180.23	65.91	3.734		

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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	4,046.07	5,066.12	3,870.59	51.54	53.77	-31.07	-2,481.13	-1,315.09	253.68	186.11	67.57	3.755		
5,200.00	4,112.02	5,165.83	3,931.03	52.95	55.25	-30.90	-2,550.99	-1,352.64	261.22	192.00	69.22	3.774		
5,300.00	4,177.98	5,265.54	3,991.46	54.37	56.73	-30.74	-2,620.85	-1,390.18	268.77	197.89	70.88	3.792		
5,400.00	4,243.93	5,365.25	4,051.90	55.79	58.22	-30.59	-2,690.71	-1,427.73	276.31	203.77	72.54	3.809		
5,500.00	4,309.89	5,464.97	4,112.34	57.21	59.70	-30.45	-2,760.57	-1,465.27	283.86	209.66	74.20	3.826		
5,600.00	4,375.84	5,564.68	4,172.78	58.63	61.19	-30.32	-2,830.42	-1,502.82	291.41	215.55	75.86	3.841		
5,700.00	4,441.79	5,664.39	4,233.22	60.05	62.67	-30.19	-2,900.28	-1,540.36	298.97	221.44	77.53	3.856		
5,800.00	4,507.75	5,764.10	4,293.65	61.47	64.16	-30.07	-2,970.14	-1,577.90	306.52	227.33	79.19	3.871		
5,900.00	4,573.70	5,863.81	4,354.09	62.89	65.64	-29.96	-3,040.00	-1,615.45	314.08	233.22	80.86	3.884		
6,000.00	4,639.66	5,963.53	4,414.53	64.31	67.13	-29.85	-3,109.86	-1,652.99	321.63	239.11	82.52	3.897		
6,100.00	4,705.61	6,063.24	4,474.97	65.73	68.62	-29.74	-3,179.72	-1,690.54	329.19	245.00	84.19	3.910		
6,200.00	4,771.56	6,162.95	4,535.41	67.15	70.10	-29.64	-3,249.57	-1,728.08	336.75	250.89	85.86	3.922		
6,300.00	4,837.52	6,262.66	4,595.84	68.57	71.59	-29.55	-3,319.43	-1,765.63	344.31	256.78	87.53	3.934		
6,400.00	4,903.47	6,362.38	4,656.28	69.99	73.08	-29.46	-3,389.29	-1,803.17	351.87	262.67	89.20	3.945		
6,500.00	4,969.43	6,462.09	4,716.72	71.41	74.57	-29.37	-3,459.15	-1,840.71	359.43	268.56	90.87	3.956		
6,600.00	5,035.38	6,561.80	4,777.16	72.83	76.05	-29.28	-3,529.01	-1,878.26	366.99	274.46	92.54	3.966		
6,700.00	5,101.33	6,661.51	4,837.60	74.25	77.54	-29.20	-3,598.87	-1,915.80	374.56	280.35	94.21	3.976		
6,800.00	5,167.29	6,761.22	4,898.04	75.67	79.03	-29.13	-3,668.72	-1,953.35	382.12	286.24	95.88	3.985		
6,900.00	5,233.24	6,860.94	4,958.47	77.10	80.52	-29.05	-3,738.58	-1,990.89	389.68	292.13	97.55	3.995		
7,000.00	5,299.20	6,960.65	5,018.91	78.52	82.01	-28.98	-3,808.44	-2,028.44	397.25	298.03	99.22	4.004		
7,100.00	5,365.15	7,060.36	5,079.35	79.94	83.50	-28.91	-3,878.30	-2,065.98	404.81	303.92	100.90	4.012		
7,200.00	5,431.10	7,160.07	5,139.79	81.36	84.99	-28.84	-3,948.16	-2,103.52	412.38	309.81	102.57	4.020		
7,300.00	5,497.06	7,259.79	5,200.23	82.79	86.47	-28.78	-4,018.02	-2,141.07	419.95	315.70	104.24	4.029		
7,400.00	5,563.01	7,359.50	5,260.66	84.21	87.96	-28.72	-4,087.87	-2,178.61	427.51	321.60	105.92	4.036		
7,500.00	5,628.97	7,459.21	5,321.10	85.63	89.45	-28.66	-4,157.73	-2,216.16	435.08	327.49	107.59	4.044		
7,600.00	5,694.92	7,558.92	5,381.54	87.06	90.94	-28.60	-4,227.59	-2,253.70	442.65	333.38	109.27	4.051		
7,700.00	5,760.87	7,658.63	5,441.98	88.48	92.43	-28.55	-4,297.45	-2,291.25	450.22	339.27	110.94	4.058		
7,800.00	5,826.83	7,758.35	5,502.42	89.90	93.92	-28.49	-4,367.31	-2,328.79	457.79	345.17	112.62	4.065		
7,900.00	5,892.78	7,858.06	5,562.86	91.33	95.41	-28.44	-4,437.17	-2,366.33	465.36	351.06	114.29	4.072		
8,000.00	5,958.74	7,957.77	5,623.29	92.75	96.90	-28.39	-4,507.02	-2,403.88	472.93	356.95	115.97	4.078		
8,100.00	6,024.69	8,057.48	5,683.73	94.17	98.39	-28.34	-4,576.88	-2,441.42	480.50	362.85	117.65	4.084		
8,200.00	6,090.64	8,157.20	5,744.17	95.60	99.88	-28.29	-4,646.74	-2,478.97	488.07	368.74	119.32	4.090		
8,300.00	6,156.60	8,256.91	5,804.61	97.02	101.37	-28.25	-4,716.60	-2,516.51	495.64	374.63	121.00	4.096		
8,400.00	6,222.55	8,356.62	5,865.05	98.45	102.86	-28.20	-4,786.46	-2,554.06	503.21	380.53	122.68	4.102		
8,500.00	6,288.51	8,456.33	5,925.48	99.87	104.35	-28.16	-4,856.32	-2,591.60	510.78	386.42	124.36	4.107		
8,600.00	6,354.46	8,556.04	5,985.92	101.29	105.84	-28.12	-4,926.17	-2,629.15	518.35	392.32	126.03	4.113		
8,700.00	6,420.41	8,655.76	6,046.36	102.72	107.33	-28.08	-4,996.03	-2,666.69	525.92	398.21	127.71	4.118		
8,800.00	6,486.37	8,755.47	6,106.80	104.14	108.82	-28.04	-5,065.89	-2,704.23	533.49	404.10	129.39	4.123		
8,900.00	6,552.32	8,855.18	6,167.24	105.57	110.31	-28.00	-5,135.75	-2,741.78	541.07	410.00	131.07	4.128		
9,000.00	6,618.28	8,954.89	6,227.68	106.99	111.81	-27.96	-5,205.61	-2,779.32	548.64	415.89	132.75	4.133		
9,100.00	6,684.23	9,054.61	6,288.11	108.42	113.30	-27.93	-5,275.47	-2,816.87	556.21	421.78	134.43	4.138		
9,200.00	6,750.18	9,154.32	6,348.55	109.84	114.79	-27.89	-5,345.32	-2,854.41	563.78	427.68	136.11	4.142		
9,300.00	6,816.14	9,254.03	6,408.99	111.26	116.28	-27.86	-5,415.18	-2,891.96	571.36	433.57	137.79	4.147		
9,400.00	6,882.09	9,353.74	6,469.43	112.69	117.77	-27.82	-5,485.04	-2,929.50	578.93	439.47	139.47	4.151		
9,500.00	6,948.05	9,453.46	6,529.87	114.11	119.26	-27.79	-5,554.90	-2,967.04	586.50	445.36	141.14	4.155		
9,600.00	7,014.00	9,553.17	6,590.30	115.54	120.75	-27.76	-5,624.76	-3,004.59	594.08	451.25	142.82	4.159		
9,700.00	7,079.88	9,652.88	6,650.74	116.97	122.24	-29.02	-5,694.61	-3,042.13	601.68	457.12	144.56	4.162		
9,800.00	7,142.10	9,751.71	6,710.65	118.48	123.72	-36.31	-5,763.86	-3,079.35	610.61	461.82	148.79	4.104		
9,900.00	7,197.32	9,847.57	6,768.75	120.08	125.15	-43.24	-5,831.01	-3,115.44	622.22	465.46	156.76	3.969		
10,000.00	7,243.87	9,973.14	6,840.69	121.71	127.13	-49.95	-5,914.15	-3,175.59	635.57	469.54	166.04	3.828		
10,100.00	7,280.34	10,111.96	6,908.16	123.32	129.41	-55.17	-5,992.07	-3,268.07	647.90	476.33	171.57	3.776		
10,200.00	7,305.62	10,264.06	6,963.06	124.84	131.86	-58.86	-6,055.40	-3,394.46	657.60	486.21	171.39	3.837		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,318.93	10,426.68	6,995.60	126.22	134.19	-60.86	-6,092.83	-3,548.76	663.13	497.91	165.23	4.013		
10,400.00	7,321.00	10,565.77	7,001.00	127.44	135.83	-61.19	-6,098.90	-3,687.40	663.94	502.80	161.13	4.120		
10,500.00	7,321.00	10,665.77	7,001.00	128.66	136.96	-61.18	-6,098.76	-3,787.40	663.79	499.20	164.59	4.033		
10,600.00	7,321.00	10,765.77	7,001.00	129.91	138.11	-61.17	-6,098.63	-3,887.39	663.65	495.53	168.12	3.947		
10,700.00	7,321.00	10,865.77	7,001.00	131.19	139.30	-61.17	-6,098.50	-3,987.39	663.51	491.80	171.71	3.864		
10,800.00	7,321.00	10,965.77	7,001.00	132.51	140.53	-61.16	-6,098.37	-4,087.39	663.37	488.01	175.36	3.783		
10,900.00	7,321.00	11,065.77	7,001.00	133.87	141.78	-61.15	-6,098.23	-4,187.39	663.23	484.16	179.06	3.704		
11,000.00	7,321.00	11,165.77	7,001.00	135.26	143.07	-61.15	-6,098.10	-4,287.39	663.08	480.26	182.82	3.627		
11,100.00	7,321.00	11,265.77	7,001.00	136.68	144.39	-61.14	-6,097.97	-4,387.39	662.94	476.32	186.63	3.552		
11,200.00	7,321.00	11,365.77	7,001.00	138.14	145.74	-61.13	-6,097.83	-4,487.39	662.80	472.32	190.48	3.480		
11,300.00	7,321.00	11,465.77	7,001.00	139.63	147.13	-61.12	-6,097.70	-4,587.39	662.66	468.29	194.37	3.409		
11,400.00	7,321.00	11,565.77	7,001.00	141.15	148.54	-61.12	-6,097.57	-4,687.39	662.52	464.21	198.31	3.341		
11,500.00	7,321.00	11,665.77	7,001.00	142.70	149.99	-61.11	-6,097.44	-4,787.39	662.38	460.09	202.28	3.275		
11,600.00	7,321.00	11,765.77	7,001.00	144.29	151.47	-61.10	-6,097.30	-4,887.39	662.23	455.94	206.29	3.210		
11,700.00	7,321.00	11,865.77	7,001.00	145.91	152.97	-61.10	-6,097.17	-4,987.39	662.09	451.76	210.34	3.148		
11,800.00	7,321.00	11,965.77	7,001.00	147.55	154.51	-61.09	-6,097.04	-5,087.39	661.95	447.54	214.41	3.087		
11,900.00	7,321.00	12,065.77	7,001.00	149.23	156.08	-61.08	-6,096.90	-5,187.39	661.81	443.29	218.52	3.029		
12,000.00	7,321.00	12,165.77	7,001.00	150.93	157.68	-61.08	-6,096.77	-5,287.39	661.67	439.02	222.65	2.972		
12,100.00	7,321.00	12,265.77	7,001.00	152.67	159.30	-61.07	-6,096.64	-5,387.39	661.53	434.71	226.81	2.917		
12,200.00	7,321.00	12,365.77	7,001.00	154.43	160.96	-61.06	-6,096.51	-5,487.39	661.38	430.38	231.00	2.863		
12,300.00	7,321.00	12,465.77	7,001.00	156.22	162.64	-61.06	-6,096.37	-5,587.39	661.24	426.03	235.21	2.811		
12,400.00	7,321.00	12,565.77	7,001.00	158.04	164.35	-61.05	-6,096.24	-5,687.39	661.10	421.66	239.44	2.761		
12,500.00	7,321.00	12,665.77	7,001.00	159.88	166.09	-61.04	-6,096.11	-5,787.39	660.96	417.26	243.70	2.712		
12,600.00	7,321.00	12,765.77	7,001.00	161.75	167.85	-61.04	-6,095.97	-5,887.39	660.82	412.85	247.97	2.665		
12,700.00	7,321.00	12,865.77	7,001.00	163.64	169.64	-61.03	-6,095.84	-5,987.39	660.68	408.41	252.27	2.619		
12,800.00	7,321.00	12,965.77	7,001.00	165.56	171.45	-61.02	-6,095.71	-6,087.39	660.53	403.96	256.58	2.574		
12,900.00	7,321.00	13,065.77	7,001.00	167.49	173.29	-61.02	-6,095.58	-6,187.39	660.39	399.48	260.91	2.531		
13,000.00	7,321.00	13,165.77	7,001.00	169.46	175.15	-61.01	-6,095.44	-6,287.39	660.25	395.00	265.25	2.489		
13,100.00	7,321.00	13,265.77	7,001.00	171.44	177.03	-61.00	-6,095.31	-6,387.39	660.11	390.49	269.61	2.448		
13,200.00	7,321.00	13,365.77	7,001.00	173.45	178.94	-61.00	-6,095.18	-6,487.39	659.97	385.98	273.99	2.409		
13,300.00	7,321.00	13,465.77	7,001.00	175.47	180.87	-60.99	-6,095.04	-6,587.39	659.83	381.44	278.38	2.370		
13,400.00	7,321.00	13,565.77	7,001.00	177.52	182.82	-60.98	-6,094.91	-6,687.39	659.68	376.90	282.79	2.333		
13,500.00	7,321.00	13,665.77	7,001.00	179.58	184.79	-60.98	-6,094.78	-6,787.39	659.54	372.34	287.20	2.296		
13,600.00	7,321.00	13,765.77	7,001.00	181.67	186.78	-60.97	-6,094.65	-6,887.39	659.40	367.77	291.63	2.261		
13,700.00	7,321.00	13,865.77	7,001.00	183.77	188.80	-60.96	-6,094.51	-6,987.39	659.26	363.19	296.07	2.227		
13,800.00	7,321.00	13,965.77	7,001.00	185.89	190.83	-60.95	-6,094.38	-7,087.39	659.12	358.59	300.52	2.193		
13,900.00	7,321.00	14,065.77	7,001.00	188.02	192.88	-60.95	-6,094.25	-7,187.39	658.98	353.99	304.98	2.161		
14,000.00	7,321.00	14,165.77	7,001.00	190.18	194.94	-60.94	-6,094.11	-7,287.39	658.83	349.38	309.46	2.129		
14,100.00	7,321.00	14,265.77	7,001.00	192.35	197.03	-60.93	-6,093.98	-7,387.39	658.69	344.75	313.94	2.098		
14,200.00	7,321.00	14,365.77	7,001.00	194.53	199.13	-60.93	-6,093.85	-7,487.39	658.55	340.12	318.43	2.068		
14,300.00	7,321.00	14,465.77	7,001.00	196.73	201.25	-60.92	-6,093.72	-7,587.39	658.41	335.48	322.93	2.039		
14,400.00	7,321.00	14,565.77	7,001.00	198.95	203.38	-60.91	-6,093.58	-7,687.39	658.27	330.83	327.44	2.010		
14,500.00	7,321.00	14,665.77	7,001.00	201.17	205.54	-60.91	-6,093.45	-7,787.39	658.13	326.18	331.95	1.983		
14,600.00	7,321.00	14,765.77	7,001.00	203.42	207.70	-60.90	-6,093.32	-7,887.39	657.99	321.51	336.48	1.956		
14,700.00	7,321.00	14,865.77	7,001.00	205.67	209.88	-60.89	-6,093.18	-7,987.39	657.84	316.84	341.01	1.929		
14,800.00	7,321.00	14,965.77	7,001.00	207.94	212.08	-60.89	-6,093.05	-8,087.39	657.70	312.16	345.54	1.903		
14,900.00	7,321.00	15,065.77	7,001.00	210.22	214.28	-60.88	-6,092.92	-8,187.39	657.56	307.47	350.09	1.878		
15,000.00	7,321.00	15,165.77	7,001.00	212.51	216.51	-60.87	-6,092.79	-8,287.39	657.42	302.78	354.64	1.854		
15,100.00	7,321.00	15,265.77	7,001.00	214.81	218.74	-60.87	-6,092.65	-8,387.39	657.28	298.08	359.20	1.830		
15,200.00	7,321.00	15,365.77	7,001.00	217.12	220.99	-60.86	-6,092.52	-8,487.38	657.14	293.38	363.76	1.807		
15,300.00	7,321.00	15,465.77	7,001.00	219.45	223.25	-60.85	-6,092.39	-8,587.38	657.00	288.67	368.33	1.784		
15,400.00	7,321.00	15,565.77	7,001.00	221.78	225.52	-60.85	-6,092.25	-8,687.38	656.85	283.95	372.90	1.761		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,321.00	15,665.77	7,001.00	224.13	227.80	-60.84	-6,092.12	-8,787.38	656.71	279.23	377.48	1.740		
15,600.00	7,321.00	15,765.77	7,001.00	226.48	230.09	-60.83	-6,091.99	-8,887.38	656.57	274.51	382.06	1.718		
15,700.00	7,321.00	15,865.77	7,001.00	228.85	232.40	-60.82	-6,091.86	-8,987.38	656.43	269.78	386.65	1.698		
15,800.00	7,321.00	15,965.77	7,001.00	231.22	234.71	-60.82	-6,091.72	-9,087.38	656.29	265.04	391.25	1.677		
15,900.00	7,321.00	16,065.77	7,001.00	233.60	237.03	-60.81	-6,091.59	-9,187.38	656.15	260.30	395.85	1.658		
16,000.00	7,321.00	16,165.77	7,001.00	235.99	239.37	-60.80	-6,091.46	-9,287.38	656.01	255.56	400.45	1.638		
16,100.00	7,321.00	16,265.77	7,001.00	238.39	241.71	-60.80	-6,091.32	-9,387.38	655.86	250.81	405.05	1.619		
16,200.00	7,321.00	16,365.77	7,001.00	240.79	244.06	-60.79	-6,091.19	-9,487.38	655.72	246.06	409.66	1.601		
16,300.00	7,321.00	16,465.77	7,001.00	243.21	246.43	-60.78	-6,091.06	-9,587.38	655.58	241.30	414.28	1.582		
16,400.00	7,321.00	16,565.77	7,001.00	245.63	248.80	-60.78	-6,090.93	-9,687.38	655.44	236.55	418.90	1.565		
16,500.00	7,321.00	16,665.77	7,001.00	248.06	251.17	-60.77	-6,090.79	-9,787.38	655.30	231.78	423.52	1.547		
16,600.00	7,321.00	16,765.76	7,001.00	250.49	253.56	-60.76	-6,090.66	-9,887.38	655.16	227.02	428.14	1.530		
16,700.00	7,321.00	16,865.76	7,001.00	252.93	255.95	-60.76	-6,090.53	-9,987.38	655.02	222.25	432.77	1.514		
16,800.00	7,321.00	16,965.76	7,001.00	255.38	258.36	-60.75	-6,090.39	-10,087.38	654.88	217.48	437.40	1.497	Level 3	
16,900.00	7,321.00	17,065.76	7,001.00	257.84	260.76	-60.74	-6,090.26	-10,187.38	654.73	212.70	442.03	1.481	Level 3	
17,000.00	7,321.00	17,165.76	7,001.00	260.30	263.18	-60.73	-6,090.13	-10,287.38	654.59	207.92	446.67	1.465	Level 3	
17,100.00	7,321.00	17,265.76	7,001.00	262.76	265.60	-60.73	-6,089.99	-10,387.38	654.45	203.14	451.31	1.450	Level 3	
17,200.00	7,321.00	17,365.76	7,001.00	265.24	268.03	-60.72	-6,089.86	-10,487.38	654.31	198.36	455.95	1.435	Level 3	
17,300.00	7,321.00	17,465.76	7,001.00	267.72	270.47	-60.71	-6,089.73	-10,587.38	654.17	193.57	460.60	1.420	Level 3	
17,400.00	7,321.00	17,565.76	7,001.00	270.20	272.91	-60.71	-6,089.60	-10,687.38	654.03	188.79	465.24	1.406	Level 3	
17,500.00	7,321.00	17,665.76	7,001.00	272.69	275.36	-60.70	-6,089.46	-10,787.38	653.89	183.99	469.89	1.392	Level 3	
17,600.00	7,321.00	17,765.76	7,001.00	275.18	277.82	-60.69	-6,089.33	-10,887.38	653.75	179.20	474.54	1.378	Level 3	
17,700.00	7,321.00	17,865.76	7,001.00	277.68	280.28	-60.69	-6,089.20	-10,987.38	653.60	174.41	479.20	1.364	Level 3	
17,800.00	7,321.00	17,963.08	7,001.00	280.19	282.68	-60.68	-6,089.10	-11,084.70	653.46	168.99	484.47	1.349	Level 3	
17,900.00	7,321.00	18,046.50	7,001.00	282.71	284.75	-60.65	-6,090.60	-11,168.10	652.98	160.31	492.67	1.325	Level 3	
18,000.00	7,321.00	18,129.93	7,001.00	285.26	286.85	-60.60	-6,094.52	-11,251.43	652.00	151.60	500.40	1.303	Level 3	
18,100.00	7,321.00	18,216.33	7,001.00	287.83	289.04	-60.52	-6,101.09	-11,337.59	650.48	143.31	507.16	1.283	Level 3	
18,200.00	7,321.00	18,316.24	7,001.00	290.41	291.58	-60.30	-6,109.62	-11,437.12	646.77	135.68	511.09	1.265	Level 3	
18,300.00	7,321.00	18,415.94	7,001.00	293.00	294.11	-59.91	-6,118.14	-11,536.46	640.13	125.74	514.39	1.244	Level 2	
18,400.00	7,321.00	18,515.56	7,001.00	295.59	296.65	-59.52	-6,126.65	-11,635.72	632.60	115.19	517.41	1.223	Level 2	
18,500.00	7,321.00	18,615.18	7,001.00	298.19	299.19	-59.11	-6,135.17	-11,734.97	625.09	104.75	520.34	1.201	Level 2	
18,600.00	7,321.00	18,714.80	7,001.00	300.78	301.74	-58.70	-6,143.68	-11,834.23	617.62	94.44	523.17	1.181	Level 2	
18,700.00	7,321.00	18,814.42	7,001.00	303.38	304.29	-58.27	-6,152.19	-11,933.48	610.18	84.27	525.91	1.160	Level 2	
18,800.00	7,321.00	18,914.04	7,001.00	305.98	306.84	-57.84	-6,160.70	-12,032.74	602.77	74.23	528.54	1.140	Level 2	
18,900.00	7,321.00	19,013.66	7,001.00	308.58	309.39	-57.39	-6,169.21	-12,131.99	595.40	64.34	531.06	1.121	Level 2	
19,000.00	7,321.00	19,113.28	7,001.00	311.18	311.95	-56.93	-6,177.73	-12,231.25	588.07	54.60	533.47	1.102	Level 2	
19,100.00	7,321.00	19,212.89	7,001.00	313.78	314.51	-56.46	-6,186.24	-12,330.50	580.78	45.02	535.76	1.084	Level 2	
19,200.00	7,321.00	19,312.51	7,001.00	316.39	317.07	-55.98	-6,194.75	-12,429.76	573.52	35.60	537.92	1.066	Level 2	
19,300.00	7,321.00	19,412.13	7,001.00	318.99	319.63	-55.49	-6,203.26	-12,529.01	566.31	26.37	539.94	1.049	Level 2	
19,400.00	7,321.00	19,511.75	7,001.00	321.60	322.20	-54.99	-6,211.78	-12,628.27	559.14	17.31	541.83	1.032	Level 2	
19,500.00	7,321.00	19,611.37	7,001.00	324.21	324.77	-54.48	-6,220.29	-12,727.52	552.03	8.45	543.57	1.016	Level 2	
19,600.00	7,321.00	19,725.33	7,001.00	326.81	327.70	-54.01	-6,228.56	-12,841.18	545.67	3.31	542.36	1.006	Level 2	
19,700.00	7,321.00	19,842.97	7,001.00	329.42	330.71	-53.47	-6,232.43	-12,958.74	538.94	-0.41	539.35	0.999	Level 1	
19,800.00	7,321.00	19,949.74	7,001.00	332.01	333.43	-52.99	-6,232.39	-13,065.51	532.35	-6.50	538.85	0.988	Level 1	
19,900.00	7,321.00	20,049.61	7,001.00	334.60	335.96	-52.70	-6,231.99	-13,165.38	528.31	-13.11	541.42	0.976	Level 1	
19,995.22	7,321.00	20,144.81	7,001.00	337.04	338.38	-52.62	-6,231.60	-13,260.58	527.05	-17.94	544.99	0.967	Level 1	
20,000.00	7,321.00	20,149.59	7,001.00	337.16	338.50	-52.62	-6,231.58	-13,265.36	527.05	-18.14	545.20	0.967	Level 1	
20,100.00	7,321.00	20,249.59	7,001.00	339.72	341.05	-52.65	-6,231.18	-13,365.35	527.49	-22.25	549.74	0.960	Level 1	
20,200.00	7,321.00	20,349.59	7,001.00	342.28	343.60	-52.69	-6,230.78	-13,465.35	527.94	-26.35	554.29	0.952	Level 1	
20,300.00	7,321.00	20,449.58	7,001.00	344.84	346.15	-52.73	-6,230.37	-13,565.35	528.39	-30.46	558.85	0.946	Level 1	
20,400.00	7,321.00	20,549.58	7,001.00	347.40	348.71	-52.76	-6,229.97	-13,665.35	528.85	-34.57	563.41	0.939	Level 1	
20,500.00	7,321.00	20,649.58	7,001.00	349.97	350.97	-52.80	-6,229.56	-13,765.35	529.30	-38.32	567.62	0.932	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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - MAVERICK 2W-20-02 - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,540.60	7,321.00	20,683.43	7,001.00	351.01	351.63	-52.81	-6,229.43	-13,799.19	529.53	-41.72	571.25	0.927	Level 1, ES, SF

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	73.51	12.75	43.09	44.93					
100.00	100.00	100.00	100.00	0.27	0.27	73.51	12.75	43.09	44.93	44.40	0.54	83.565		
200.00	200.00	200.00	200.00	0.63	0.63	73.51	12.75	43.09	44.93	43.68	1.25	35.814		
300.00	300.00	301.03	301.01	0.99	0.98	75.24	11.15	42.31	43.76	41.80	1.96	22.303		
400.00	400.00	401.81	401.64	1.34	1.33	80.96	6.36	39.98	40.51	37.84	2.67	15.179		
500.00	499.98	502.25	501.69	1.69	1.69	-120.55	-1.57	36.11	37.04	33.67	3.37	10.976		
600.00	599.84	602.44	601.12	2.03	2.08	-109.76	-12.62	30.73	34.94	30.84	4.10	8.521		
676.14	675.71	678.56	676.34	2.29	2.40	-100.85	-23.10	25.63	34.44	29.75	4.69	7.347 CC		
700.00	699.45	702.38	699.81	2.38	2.50	-98.02	-26.75	23.85	34.49	29.61	4.87	7.077 ES		
800.00	798.70	802.07	797.65	2.75	2.94	-86.52	-43.92	15.50	35.77	30.08	5.69	6.288		
900.00	897.47	901.52	894.53	3.15	3.42	-76.31	-64.09	5.68	38.62	32.09	6.53	5.914		
1,000.00	995.62	1,000.71	990.33	3.58	3.94	-67.90	-87.21	-5.58	42.76	35.38	7.39	5.787		
1,100.00	1,093.06	1,100.00	1,085.27	4.04	4.50	-61.26	-113.32	-18.29	47.87	39.60	8.27	5.790		
1,200.00	1,189.64	1,198.37	1,178.28	4.54	5.10	-56.17	-142.09	-32.29	53.68	44.52	9.15	5.864		
1,300.00	1,285.27	1,296.83	1,270.23	5.08	5.75	-52.28	-173.74	-47.70	59.99	49.92	10.07	5.958		
1,400.00	1,379.82	1,395.06	1,360.70	5.67	6.44	-49.31	-208.13	-64.44	66.68	55.66	11.02	6.053		
1,500.00	1,473.17	1,493.05	1,449.59	6.30	7.19	-47.05	-245.20	-82.49	73.64	61.64	12.00	6.136		
1,600.00	1,565.21	1,590.80	1,536.81	6.99	7.97	-45.34	-284.88	-101.81	80.82	67.78	13.03	6.201		
1,700.00	1,655.84	1,688.33	1,622.28	7.73	8.81	-44.05	-327.11	-122.37	88.15	74.04	14.11	6.247		
1,800.00	1,744.94	1,785.63	1,705.90	8.52	9.69	-43.10	-371.83	-144.13	95.62	80.37	15.25	6.272		
1,900.00	1,832.39	1,882.71	1,787.61	9.37	10.62	-42.40	-418.96	-167.08	103.18	86.74	16.44	6.277		
2,000.00	1,918.11	1,979.58	1,867.31	10.27	11.59	-41.92	-468.44	-191.17	110.83	93.13	17.70	6.263		
2,100.00	2,001.97	2,076.23	1,944.94	11.22	12.61	-41.60	-520.20	-216.36	118.54	99.52	19.02	6.232		
2,200.00	2,083.88	2,172.67	2,020.43	12.23	13.68	-41.43	-574.16	-242.63	126.30	105.89	20.42	6.186		
2,300.00	2,163.74	2,268.90	2,093.70	13.29	14.79	-41.36	-630.26	-269.94	134.11	112.22	21.89	6.126		
2,400.00	2,241.45	2,364.94	2,164.68	14.40	15.94	-41.40	-688.41	-298.25	141.95	118.50	23.44	6.056		
2,500.00	2,316.92	2,460.79	2,233.33	15.57	17.13	-41.51	-748.55	-327.53	149.81	124.73	25.07	5.975		
2,600.00	2,390.05	2,556.45	2,299.56	16.78	18.36	-41.69	-810.60	-357.73	157.68	130.90	26.79	5.886		
2,700.00	2,460.76	2,651.92	2,363.34	18.05	19.63	-41.93	-874.47	-388.83	165.57	136.98	28.59	5.792		
2,800.00	2,528.95	2,747.22	2,424.61	19.37	20.93	-42.21	-940.10	-420.78	173.47	142.99	30.48	5.692		
2,900.00	2,595.08	2,842.80	2,483.58	20.72	22.28	-42.46	-1,007.72	-453.70	181.87	149.46	32.41	5.612		
3,000.00	2,661.04	2,941.83	2,543.38	22.08	23.70	-42.47	-1,078.70	-488.25	191.39	156.97	34.42	5.561		
3,100.00	2,726.99	3,041.38	2,603.49	23.46	25.13	-42.47	-1,150.05	-522.98	200.91	164.45	36.46	5.511		
3,200.00	2,792.94	3,140.92	2,663.59	24.84	26.57	-42.47	-1,221.39	-557.72	210.43	171.92	38.51	5.465		
3,300.00	2,858.90	3,240.47	2,723.70	26.22	28.01	-42.48	-1,292.74	-592.45	219.95	179.38	40.57	5.422		
3,400.00	2,924.85	3,340.02	2,783.81	27.61	29.46	-42.48	-1,364.08	-627.18	229.47	186.84	42.63	5.382		
3,500.00	2,990.81	3,439.56	2,843.92	29.00	30.91	-42.48	-1,435.43	-661.91	238.99	194.28	44.71	5.346		
3,600.00	3,056.76	3,539.11	2,904.02	30.40	32.36	-42.48	-1,506.77	-696.64	248.51	201.73	46.79	5.312		
3,700.00	3,122.71	3,638.65	2,964.13	31.80	33.82	-42.49	-1,578.12	-731.38	258.03	209.16	48.87	5.280		
3,800.00	3,188.67	3,738.20	3,024.24	33.20	35.28	-42.49	-1,649.46	-766.11	267.55	216.60	50.96	5.251		
3,900.00	3,254.62	3,837.74	3,084.35	34.60	36.73	-42.49	-1,720.81	-800.84	277.07	224.02	53.05	5.223		
4,000.00	3,320.58	3,937.29	3,144.45	36.01	38.19	-42.49	-1,792.15	-835.57	286.59	231.45	55.14	5.197		
4,100.00	3,386.53	4,036.84	3,204.56	37.41	39.66	-42.49	-1,863.50	-870.31	296.11	238.87	57.24	5.173		
4,200.00	3,452.48	4,136.38	3,264.67	38.82	41.12	-42.50	-1,934.84	-905.04	305.63	246.29	59.34	5.150		
4,300.00	3,518.44	4,235.93	3,324.78	40.23	42.58	-42.50	-2,006.19	-939.77	315.16	253.71	61.44	5.129		
4,400.00	3,584.39	4,335.47	3,384.89	41.64	44.05	-42.50	-2,077.53	-974.50	324.68	261.13	63.55	5.109		
4,500.00	3,650.35	4,435.02	3,444.99	43.05	45.51	-42.50	-2,148.88	-1,009.23	334.20	268.54	65.66	5.090		
4,600.00	3,716.30	4,534.56	3,505.10	44.46	46.98	-42.50	-2,220.22	-1,043.97	343.72	275.95	67.76	5.072		
4,700.00	3,782.25	4,634.11	3,565.21	45.88	48.45	-42.50	-2,291.57	-1,078.70	353.24	283.36	69.87	5.055		
4,800.00	3,848.21	4,733.66	3,625.32	47.29	49.91	-42.50	-2,362.91	-1,113.43	362.76	290.77	71.99	5.039		
4,900.00	3,914.16	4,833.20	3,685.42	48.71	51.38	-42.50	-2,434.26	-1,148.16	372.28	298.18	74.10	5.024		
5,000.00	3,980.12	4,932.75	3,745.53	50.12	52.85	-42.50	-2,505.60	-1,182.89	381.80	305.59	76.21	5.010		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	4,046.07	5,032.29	3,805.64	51.54	54.32	-42.51	-2,576.95	-1,217.63	391.32	312.99	78.33	4.996		
5,200.00	4,112.02	5,131.84	3,865.75	52.95	55.79	-42.51	-2,648.29	-1,252.36	400.84	320.40	80.44	4.983		
5,300.00	4,177.98	5,231.39	3,925.85	54.37	57.26	-42.51	-2,719.64	-1,287.09	410.36	327.80	82.56	4.970		
5,400.00	4,243.93	5,330.93	3,985.96	55.79	58.73	-42.51	-2,790.98	-1,321.82	419.88	335.20	84.68	4.959		
5,500.00	4,309.89	5,430.48	4,046.07	57.21	60.21	-42.51	-2,862.33	-1,356.55	429.40	342.60	86.80	4.947		
5,600.00	4,375.84	5,530.02	4,106.18	58.63	61.68	-42.51	-2,933.67	-1,391.29	438.92	350.00	88.92	4.936		
5,700.00	4,441.79	5,629.57	4,166.29	60.05	63.15	-42.51	-3,005.02	-1,426.02	448.44	357.40	91.04	4.926		
5,800.00	4,507.75	5,729.11	4,226.39	61.47	64.62	-42.51	-3,076.36	-1,460.75	457.96	364.80	93.16	4.916		
5,900.00	4,573.70	5,828.66	4,286.50	62.89	66.09	-42.51	-3,147.71	-1,495.48	467.48	372.20	95.28	4.906		
6,000.00	4,639.66	5,928.21	4,346.61	64.31	67.57	-42.51	-3,219.05	-1,530.21	477.00	379.60	97.40	4.897		
6,100.00	4,705.61	6,027.75	4,406.72	65.73	69.04	-42.51	-3,290.40	-1,564.95	486.52	387.00	99.52	4.889		
6,200.00	4,771.56	6,127.30	4,466.82	67.15	70.51	-42.51	-3,361.74	-1,599.68	496.04	394.40	101.65	4.880		
6,300.00	4,837.52	6,226.84	4,526.93	68.57	71.99	-42.51	-3,433.09	-1,634.41	505.56	401.79	103.77	4.872		
6,400.00	4,903.47	6,326.39	4,587.04	69.99	73.46	-42.51	-3,504.43	-1,669.14	515.08	409.19	105.89	4.864		
6,500.00	4,969.43	6,425.93	4,647.15	71.41	74.94	-42.52	-3,575.78	-1,703.87	524.60	416.59	108.02	4.857		
6,600.00	5,035.38	6,525.48	4,707.25	72.83	76.41	-42.52	-3,647.12	-1,738.61	534.13	423.98	110.14	4.849		
6,700.00	5,101.33	6,625.03	4,767.36	74.25	77.88	-42.52	-3,718.47	-1,773.34	543.65	431.38	112.27	4.842		
6,800.00	5,167.29	6,724.57	4,827.47	75.67	79.36	-42.52	-3,789.81	-1,808.07	553.17	438.77	114.39	4.836		
6,900.00	5,233.24	6,824.12	4,887.58	77.10	80.83	-42.52	-3,861.16	-1,842.80	562.69	446.17	116.52	4.829		
7,000.00	5,299.20	6,923.66	4,947.69	78.52	82.31	-42.52	-3,932.50	-1,877.54	572.21	453.56	118.65	4.823		
7,100.00	5,365.15	7,023.21	5,007.79	79.94	83.78	-42.52	-4,003.85	-1,912.27	581.73	460.96	120.77	4.817		
7,200.00	5,431.10	7,122.76	5,067.90	81.36	85.26	-42.52	-4,075.19	-1,947.00	591.25	468.35	122.90	4.811		
7,300.00	5,497.06	7,222.30	5,128.01	82.79	86.73	-42.52	-4,146.54	-1,981.73	600.77	475.74	125.03	4.805		
7,400.00	5,563.01	7,321.85	5,188.12	84.21	88.21	-42.52	-4,217.88	-2,016.46	610.29	483.14	127.15	4.800		
7,500.00	5,628.97	7,421.39	5,248.22	85.63	89.69	-42.52	-4,289.23	-2,051.20	619.81	490.53	129.28	4.794		
7,600.00	5,694.92	7,520.94	5,308.33	87.06	91.16	-42.52	-4,360.57	-2,085.93	629.33	497.92	131.41	4.789		
7,700.00	5,760.87	7,620.48	5,368.44	88.48	92.64	-42.52	-4,431.92	-2,120.66	638.85	505.31	133.54	4.784		
7,800.00	5,826.83	7,720.03	5,428.55	89.90	94.11	-42.52	-4,503.26	-2,155.39	648.37	512.71	135.66	4.779		
7,900.00	5,892.78	7,819.58	5,488.65	91.33	95.59	-42.52	-4,574.61	-2,190.12	657.89	520.10	137.79	4.775		
8,000.00	5,958.74	7,919.12	5,548.76	92.75	97.06	-42.52	-4,645.95	-2,224.86	667.41	527.49	139.92	4.770		
8,100.00	6,024.69	8,018.67	5,608.87	94.17	98.54	-42.52	-4,717.30	-2,259.59	676.93	534.88	142.05	4.765		
8,200.00	6,090.64	8,118.21	5,668.98	95.60	100.02	-42.52	-4,788.64	-2,294.32	686.45	542.27	144.18	4.761		
8,300.00	6,156.60	8,217.76	5,729.08	97.02	101.49	-42.52	-4,859.99	-2,329.05	695.97	549.66	146.31	4.757		
8,400.00	6,222.55	8,317.30	5,789.19	98.45	102.97	-42.52	-4,931.33	-2,363.78	705.49	557.06	148.44	4.753		
8,500.00	6,288.51	8,416.85	5,849.30	99.87	104.45	-42.52	-5,002.68	-2,398.52	715.01	564.45	150.57	4.749		
8,600.00	6,354.46	8,516.40	5,909.41	101.29	105.92	-42.52	-5,074.02	-2,433.25	724.53	571.84	152.70	4.745		
8,700.00	6,420.41	8,615.94	5,969.52	102.72	107.40	-42.52	-5,145.37	-2,467.98	734.05	579.23	154.83	4.741		
8,800.00	6,486.37	8,715.49	6,029.62	104.14	108.88	-42.52	-5,216.71	-2,502.71	743.57	586.62	156.95	4.738		
8,900.00	6,552.32	8,815.03	6,089.73	105.57	110.35	-42.52	-5,288.06	-2,537.44	753.09	594.01	159.08	4.734		
9,000.00	6,618.28	8,914.58	6,149.84	106.99	111.83	-42.52	-5,359.40	-2,572.18	762.62	601.40	161.21	4.730		
9,100.00	6,684.23	9,014.12	6,209.95	108.42	113.31	-42.52	-5,430.75	-2,606.91	772.14	608.79	163.34	4.727		
9,200.00	6,750.18	9,113.67	6,270.05	109.84	114.78	-42.52	-5,502.09	-2,641.64	781.66	616.18	165.47	4.724		
9,300.00	6,816.14	9,213.22	6,330.16	111.26	116.26	-42.52	-5,573.44	-2,676.37	791.18	623.57	167.61	4.720		
9,400.00	6,882.09	9,312.76	6,390.27	112.69	117.74	-42.52	-5,644.78	-2,711.10	800.70	630.96	169.74	4.717		
9,500.00	6,948.05	9,412.31	6,450.38	114.11	119.21	-42.53	-5,716.13	-2,745.84	810.22	638.35	171.87	4.714		
9,600.00	7,014.00	9,511.85	6,510.48	115.54	120.69	-42.53	-5,787.47	-2,780.57	819.74	645.74	174.00	4.711		
9,700.00	7,079.88	9,611.39	6,570.59	116.97	122.17	-43.77	-5,858.81	-2,815.30	829.35	653.19	176.17	4.708		
9,800.00	7,142.10	9,709.72	6,629.96	118.48	123.63	-50.35	-5,929.28	-2,849.60	843.09	663.02	180.07	4.682		
9,900.00	7,197.32	9,803.93	6,686.85	120.08	125.02	-55.72	-5,996.81	-2,882.48	863.31	676.93	186.39	4.632		
10,000.00	7,243.87	9,891.18	6,739.53	121.71	126.32	-59.70	-6,059.34	-2,912.92	890.74	696.08	194.66	4.576		
10,100.00	7,280.34	9,968.79	6,786.39	123.32	127.47	-61.98	-6,114.96	-2,940.00	926.26	722.07	204.19	4.536		
10,200.00	7,305.62	10,034.42	6,826.02	124.84	128.44	-62.19	-6,162.00	-2,962.90	970.55	756.41	214.14	4.532		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,318.93	10,086.08	6,857.21	126.22	129.21	-59.88	-6,199.02	-2,980.92	1,023.68	799.98	223.70	4.576		
10,400.00	7,321.00	10,123.66	6,879.90	127.44	129.77	-58.11	-6,225.96	-2,994.03	1,084.73	852.53	232.19	4.672		
10,500.00	7,321.00	10,158.57	6,900.98	128.66	130.29	-60.22	-6,250.98	-3,006.21	1,150.60	911.25	239.35	4.807		
10,600.00	7,321.00	10,193.48	6,922.06	129.91	130.81	-62.27	-6,276.00	-3,018.39	1,220.13	974.76	245.37	4.973		
10,700.00	7,321.00	11,493.19	7,321.00	131.19	148.38	-90.00	-6,748.33	-3,988.60	1,231.07	1,059.07	172.00	7.157		
10,800.00	7,321.00	11,593.19	7,321.00	132.51	149.49	-90.00	-6,748.17	-4,088.60	1,230.88	1,054.71	176.18	6.987		
10,900.00	7,321.00	11,693.19	7,321.00	133.87	150.63	-90.00	-6,748.00	-4,188.60	1,230.69	1,050.27	180.43	6.821		
11,000.00	7,321.00	11,793.19	7,321.00	135.26	151.80	-90.00	-6,747.84	-4,288.60	1,230.50	1,045.77	184.74	6.661		
11,100.00	7,321.00	11,893.19	7,321.00	136.68	153.00	-90.00	-6,747.68	-4,388.60	1,230.31	1,041.21	189.11	6.506		
11,200.00	7,321.00	11,993.19	7,321.00	138.14	154.24	-90.00	-6,747.52	-4,488.60	1,230.12	1,036.59	193.53	6.356		
11,300.00	7,321.00	12,093.19	7,321.00	139.63	155.50	-90.00	-6,747.36	-4,588.60	1,229.93	1,031.92	198.01	6.211		
11,400.00	7,321.00	12,193.19	7,321.00	141.15	156.80	-90.00	-6,747.20	-4,688.60	1,229.74	1,027.21	202.54	6.072		
11,500.00	7,321.00	12,293.19	7,321.00	142.70	158.12	-90.00	-6,747.04	-4,788.60	1,229.55	1,022.45	207.11	5.937		
11,600.00	7,321.00	12,393.19	7,321.00	144.29	159.47	-90.00	-6,746.88	-4,888.60	1,229.36	1,017.64	211.72	5.807		
11,700.00	7,321.00	12,493.19	7,321.00	145.91	160.86	-90.00	-6,746.72	-4,988.60	1,229.17	1,012.80	216.37	5.681		
11,800.00	7,321.00	12,593.19	7,321.00	147.55	162.27	-90.00	-6,746.55	-5,088.60	1,228.98	1,007.92	221.06	5.559		
11,900.00	7,321.00	12,693.19	7,321.00	149.23	163.71	-90.00	-6,746.39	-5,188.60	1,228.79	1,003.01	225.78	5.442		
12,000.00	7,321.00	12,793.19	7,321.00	150.93	165.18	-90.00	-6,746.23	-5,288.60	1,228.60	998.06	230.54	5.329		
12,100.00	7,321.00	12,893.19	7,321.00	152.67	166.69	-90.00	-6,746.07	-5,388.60	1,228.41	993.08	235.33	5.220		
12,200.00	7,321.00	12,993.19	7,321.00	154.43	168.21	-90.00	-6,745.91	-5,488.60	1,228.22	988.08	240.14	5.115		
12,300.00	7,321.00	13,093.19	7,321.00	156.22	169.77	-90.00	-6,745.75	-5,588.60	1,228.03	983.05	244.98	5.013		
12,400.00	7,321.00	13,193.19	7,321.00	158.04	171.36	-90.00	-6,745.59	-5,688.60	1,227.84	977.99	249.85	4.914		
12,500.00	7,321.00	13,293.19	7,321.00	159.88	172.97	-90.00	-6,745.43	-5,788.60	1,227.65	972.91	254.74	4.819		
12,600.00	7,321.00	13,393.19	7,321.00	161.75	174.61	-90.00	-6,745.27	-5,888.60	1,227.46	967.80	259.66	4.727		
12,700.00	7,321.00	13,493.19	7,321.00	163.64	176.27	-90.00	-6,745.11	-5,988.60	1,227.27	962.68	264.59	4.638		
12,800.00	7,321.00	13,593.19	7,321.00	165.56	177.96	-90.00	-6,744.94	-6,088.60	1,227.08	957.53	269.55	4.552		
12,900.00	7,321.00	13,693.19	7,321.00	167.49	179.68	-90.00	-6,744.78	-6,188.60	1,226.89	952.37	274.52	4.469		
13,000.00	7,321.00	13,793.19	7,321.00	169.46	181.42	-90.00	-6,744.62	-6,288.60	1,226.70	947.18	279.52	4.389		
13,100.00	7,321.00	13,893.19	7,321.00	171.44	183.19	-90.00	-6,744.46	-6,388.60	1,226.51	941.98	284.53	4.311		
13,200.00	7,321.00	13,993.19	7,321.00	173.45	184.98	-90.00	-6,744.30	-6,488.60	1,226.32	936.77	289.55	4.235		
13,300.00	7,321.00	14,093.19	7,321.00	175.47	186.79	-90.00	-6,744.14	-6,588.60	1,226.13	931.54	294.60	4.162		
13,400.00	7,321.00	14,193.19	7,321.00	177.52	188.63	-90.00	-6,743.98	-6,688.60	1,225.94	926.29	299.65	4.091		
13,500.00	7,321.00	14,293.19	7,321.00	179.58	190.49	-90.00	-6,743.82	-6,788.60	1,225.75	921.03	304.72	4.023		
13,600.00	7,321.00	14,393.18	7,321.00	181.67	192.37	-90.00	-6,743.66	-6,888.60	1,225.56	915.76	309.80	3.956		
13,700.00	7,321.00	14,493.18	7,321.00	183.77	194.27	-90.00	-6,743.49	-6,988.60	1,225.37	910.47	314.90	3.891		
13,800.00	7,321.00	14,593.18	7,321.00	185.89	196.19	-90.00	-6,743.33	-7,088.60	1,225.18	905.17	320.01	3.829		
13,900.00	7,321.00	14,693.18	7,321.00	188.02	198.14	-90.00	-6,743.17	-7,188.60	1,224.99	899.86	325.13	3.768		
14,000.00	7,321.00	14,793.18	7,321.00	190.18	200.10	-90.00	-6,743.01	-7,288.59	1,224.80	894.54	330.26	3.709		
14,100.00	7,321.00	14,893.18	7,321.00	192.35	202.08	-90.00	-6,742.85	-7,388.59	1,224.61	889.21	335.40	3.651		
14,200.00	7,321.00	14,993.18	7,321.00	194.53	204.08	-90.00	-6,742.69	-7,488.59	1,224.42	883.87	340.55	3.595		
14,300.00	7,321.00	15,093.18	7,321.00	196.73	206.11	-90.00	-6,742.53	-7,588.59	1,224.23	878.52	345.71	3.541		
14,400.00	7,321.00	15,193.18	7,321.00	198.95	208.14	-90.00	-6,742.37	-7,688.59	1,224.04	873.16	350.88	3.489		
14,500.00	7,321.00	15,293.18	7,321.00	201.17	210.20	-90.00	-6,742.21	-7,788.59	1,223.85	867.79	356.06	3.437		
14,600.00	7,321.00	15,393.18	7,321.00	203.42	212.27	-90.00	-6,742.05	-7,888.59	1,223.66	862.42	361.24	3.387		
14,700.00	7,321.00	15,493.18	7,321.00	205.67	214.36	-90.00	-6,741.88	-7,988.59	1,223.47	857.03	366.44	3.339		
14,800.00	7,321.00	15,593.18	7,321.00	207.94	216.47	-90.00	-6,741.72	-8,088.59	1,223.28	851.64	371.64	3.292		
14,900.00	7,321.00	15,693.18	7,321.00	210.22	218.59	-90.00	-6,741.56	-8,188.59	1,223.09	846.24	376.85	3.246		
15,000.00	7,321.00	15,793.18	7,321.00	212.51	220.72	-90.00	-6,741.40	-8,288.59	1,222.90	840.84	382.06	3.201		
15,100.00	7,321.00	15,893.18	7,321.00	214.81	222.87	-90.00	-6,741.24	-8,388.59	1,222.71	835.43	387.28	3.157		
15,200.00	7,321.00	15,993.18	7,321.00	217.12	225.04	-90.00	-6,741.08	-8,488.59	1,222.52	830.01	392.51	3.115		
15,300.00	7,321.00	16,093.18	7,321.00	219.45	227.22	-90.00	-6,740.92	-8,588.59	1,222.33	824.58	397.75	3.073		
15,400.00	7,321.00	16,193.18	7,321.00	221.78	229.41	-90.00	-6,740.76	-8,688.59	1,222.14	819.15	402.99	3.033		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,321.00	16,293.18	7,321.00	224.13	231.61	-90.00	-6,740.60	-8,788.59	1,221.95	813.71	408.24	2.993		
15,600.00	7,321.00	16,393.18	7,321.00	226.48	233.83	-90.00	-6,740.44	-8,888.59	1,221.76	808.27	413.49	2.955		
15,700.00	7,321.00	16,493.18	7,321.00	228.85	236.06	-90.00	-6,740.27	-8,988.59	1,221.57	802.82	418.75	2.917		
15,800.00	7,321.00	16,593.18	7,321.00	231.22	238.30	-90.00	-6,740.11	-9,088.59	1,221.38	797.37	424.01	2.881		
15,900.00	7,321.00	16,693.18	7,321.00	233.60	240.56	-90.00	-6,739.95	-9,188.59	1,221.19	791.91	429.28	2.845		
16,000.00	7,321.00	16,793.18	7,321.00	235.99	242.82	-90.00	-6,739.79	-9,288.59	1,221.00	786.45	434.55	2.810		
16,100.00	7,321.00	16,893.18	7,321.00	238.39	245.10	-90.00	-6,739.63	-9,388.59	1,220.81	780.98	439.83	2.776		
16,200.00	7,321.00	16,993.18	7,321.00	240.79	247.38	-90.00	-6,739.47	-9,488.59	1,220.62	775.51	445.11	2.742		
16,300.00	7,321.00	17,093.18	7,321.00	243.21	249.68	-90.00	-6,739.31	-9,588.59	1,220.43	770.04	450.39	2.710		
16,400.00	7,321.00	17,193.18	7,321.00	245.63	251.99	-90.00	-6,739.15	-9,688.59	1,220.24	764.56	455.68	2.678		
16,500.00	7,321.00	17,293.18	7,321.00	248.06	254.30	-90.00	-6,738.99	-9,788.59	1,220.05	759.07	460.98	2.647		
16,600.00	7,321.00	17,393.18	7,321.00	250.49	256.63	-90.00	-6,738.82	-9,888.59	1,219.86	753.59	466.27	2.616		
16,700.00	7,321.00	17,493.18	7,321.00	252.93	258.96	-90.00	-6,738.66	-9,988.59	1,219.67	748.10	471.57	2.586		
16,800.00	7,321.00	17,593.18	7,321.00	255.38	261.31	-90.00	-6,738.50	-10,088.59	1,219.48	742.60	476.88	2.557		
16,900.00	7,321.00	17,693.18	7,321.00	257.84	263.66	-90.00	-6,738.34	-10,188.59	1,219.29	737.10	482.19	2.529		
17,000.00	7,321.00	17,793.18	7,321.00	260.30	266.02	-90.00	-6,738.18	-10,288.59	1,219.10	731.60	487.50	2.501		
17,100.00	7,321.00	17,893.18	7,321.00	262.76	268.39	-90.00	-6,738.02	-10,388.59	1,218.91	726.10	492.81	2.473		
17,200.00	7,321.00	17,993.18	7,321.00	265.24	270.76	-90.00	-6,737.86	-10,488.58	1,218.72	720.59	498.13	2.447		
17,300.00	7,321.00	18,093.18	7,321.00	267.72	273.15	-90.00	-6,737.70	-10,588.58	1,218.53	715.08	503.45	2.420		
17,400.00	7,321.00	18,193.18	7,321.00	270.20	275.54	-90.00	-6,737.54	-10,688.58	1,218.34	709.56	508.77	2.395		
17,500.00	7,321.00	18,293.18	7,321.00	272.69	277.94	-90.00	-6,737.38	-10,788.58	1,218.15	704.05	514.10	2.369		
17,600.00	7,321.00	18,393.18	7,321.00	275.18	280.35	-90.00	-6,737.21	-10,888.58	1,217.96	698.53	519.43	2.345		
17,700.00	7,321.00	18,493.18	7,321.00	277.68	282.76	-90.00	-6,737.05	-10,988.58	1,217.77	693.01	524.76	2.321		
17,800.00	7,321.00	18,593.18	7,321.00	280.19	285.18	-90.00	-6,736.89	-11,088.58	1,217.53	687.44	530.10	2.297		
17,900.00	7,321.00	18,693.14	7,321.00	282.71	287.60	-90.00	-6,736.73	-11,188.55	1,215.03	679.60	535.43	2.269		
18,000.00	7,321.00	18,792.96	7,321.00	285.26	290.03	-90.00	-6,736.57	-11,288.36	1,209.04	668.29	540.75	2.236		
18,100.00	7,321.00	18,892.50	7,321.00	287.83	292.46	-90.00	-6,736.41	-11,387.91	1,199.57	653.53	546.05	2.197		
18,200.00	7,321.00	18,991.66	7,321.00	290.41	294.88	-90.00	-6,736.25	-11,487.06	1,186.64	635.32	551.32	2.152		
18,300.00	7,321.00	19,090.31	7,321.00	293.00	297.30	-90.00	-6,736.09	-11,585.72	1,170.33	613.78	556.55	2.103		
18,400.00	7,321.00	19,188.80	7,321.00	295.59	299.71	-90.00	-6,735.93	-11,684.20	1,152.97	591.20	561.77	2.052		
18,500.00	7,321.00	19,287.28	7,321.00	298.19	302.14	-90.00	-6,735.77	-11,782.68	1,135.62	568.62	567.00	2.003		
18,600.00	7,321.00	19,385.76	7,321.00	300.78	304.57	-90.00	-6,735.62	-11,881.17	1,118.26	546.03	572.23	1.954		
18,700.00	7,321.00	19,484.24	7,321.00	303.38	307.00	-90.00	-6,735.46	-11,979.65	1,100.90	523.45	577.45	1.906		
18,800.00	7,321.00	19,582.72	7,321.00	305.98	309.44	-90.00	-6,735.30	-12,078.13	1,083.55	500.86	582.68	1.860		
18,900.00	7,321.00	19,681.21	7,321.00	308.58	311.88	-90.00	-6,735.14	-12,176.61	1,066.19	478.27	587.92	1.814		
19,000.00	7,321.00	19,779.69	7,321.00	311.18	314.33	-90.00	-6,734.98	-12,275.09	1,048.83	455.68	593.15	1.768		
19,100.00	7,321.00	19,878.17	7,321.00	313.78	316.78	-90.00	-6,734.82	-12,373.58	1,031.48	433.09	598.38	1.724		
19,200.00	7,321.00	19,976.65	7,321.00	316.39	319.24	-90.00	-6,734.66	-12,472.06	1,014.12	410.50	603.62	1.680		
19,300.00	7,321.00	20,075.14	7,321.00	318.99	321.70	-90.00	-6,734.51	-12,570.54	996.76	387.91	608.86	1.637		
19,400.00	7,321.00	20,173.62	7,321.00	321.60	324.16	-90.00	-6,734.35	-12,669.02	979.41	365.31	614.10	1.595		
19,500.00	7,321.00	20,272.10	7,321.00	324.21	326.63	-90.00	-6,734.19	-12,767.51	962.07	342.74	619.34	1.553		
19,600.00	7,321.00	20,370.93	7,321.00	326.81	329.11	-90.00	-6,734.03	-12,866.34	946.84	322.23	624.61	1.516		
19,700.00	7,321.00	20,470.23	7,321.00	329.42	331.61	-90.00	-6,733.87	-12,965.63	935.06	305.15	629.91	1.484	Level 3	
19,800.00	7,321.00	20,569.88	7,321.00	332.01	334.12	-90.00	-6,733.71	-13,065.28	926.75	291.50	635.25	1.459	Level 3	
19,900.00	7,321.00	20,669.76	7,321.00	334.60	336.64	-90.00	-6,733.55	-13,165.16	921.93	281.32	640.60	1.439	Level 3	
19,988.26	7,321.00	20,758.00	7,321.00	336.86	338.87	-90.00	-6,733.41	-13,253.40	920.57	275.22	645.34	1.426	Level 3	
20,000.00	7,321.00	20,769.74	7,321.00	337.16	339.17	-90.00	-6,733.39	-13,265.15	920.59	274.62	645.98	1.425	Level 3	
20,100.00	7,321.00	20,869.74	7,321.00	339.72	341.70	-90.00	-6,733.23	-13,365.14	921.38	270.03	651.35	1.415	Level 3	
20,200.00	7,321.00	20,969.74	7,321.00	342.28	344.23	-90.00	-6,733.06	-13,465.14	922.19	265.46	656.73	1.404	Level 3	
20,300.00	7,321.00	21,069.73	7,321.00	344.84	346.77	-90.00	-6,732.90	-13,565.14	923.01	260.90	662.11	1.394	Level 3	
20,400.00	7,321.00	21,169.73	7,321.00	347.40	349.31	-90.00	-6,732.74	-13,665.13	923.82	256.33	667.49	1.384	Level 3	
20,500.00	7,321.00	21,269.73	7,321.00	349.97	351.85	-90.00	-6,732.58	-13,765.13	924.63	251.76	672.87	1.374	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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,540.60	7,321.00	21,297.96	7,321.00	351.01	352.57	-90.00	-6,732.54	-13,793.36	925.04	247.78	677.26	1.366	Level 3, SF

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	73.40	19.31	64.77	67.59					
100.00	100.00	99.00	99.00	0.27	0.27	73.40	19.31	64.77	67.59	67.05	0.54	126.323		
200.00	200.00	200.53	200.51	0.63	0.62	74.54	17.71	64.03	66.45	65.20	1.25	53.290		
300.00	300.00	301.82	301.65	0.99	0.98	78.24	12.86	61.79	63.17	61.20	1.96	32.155		
400.00	400.00	402.61	402.05	1.34	1.35	85.26	4.81	58.07	58.35	55.65	2.70	21.638		
500.00	499.98	502.88	501.55	1.69	1.75	-115.50	-6.36	52.90	54.07	50.64	3.43	15.742		
600.00	599.84	602.77	600.19	2.03	2.18	-104.31	-20.64	46.31	51.98	47.77	4.20	12.370		
635.20	634.94	637.84	634.69	2.15	2.34	-100.20	-26.39	43.65	51.82	47.33	4.49	11.546 CC, ES		
700.00	699.45	702.29	697.86	2.38	2.64	-92.67	-37.95	38.30	52.35	47.34	5.01	10.441		
800.00	798.70	801.44	794.45	2.75	3.13	-81.73	-58.25	28.92	55.15	49.30	5.86	9.419		
900.00	897.47	900.00	889.64	3.15	3.65	-72.30	-81.43	18.21	60.07	53.36	6.71	8.955		
1,000.00	995.62	998.65	983.98	3.58	4.22	-64.58	-107.59	6.12	66.62	59.05	7.57	8.800		
1,100.00	1,093.06	1,096.71	1,076.72	4.04	4.83	-58.51	-136.50	-7.25	74.40	65.96	8.44	8.814		
1,200.00	1,189.64	1,194.42	1,167.99	4.54	5.49	-53.79	-168.15	-21.88	83.05	73.72	9.33	8.906		
1,300.00	1,285.27	1,291.78	1,257.70	5.08	6.18	-50.14	-202.49	-37.75	92.33	82.10	10.23	9.023		
1,400.00	1,379.82	1,388.79	1,345.76	5.67	6.93	-47.31	-239.43	-54.82	102.06	90.89	11.17	9.138		
1,500.00	1,473.17	1,485.47	1,432.09	6.30	7.71	-45.12	-278.92	-73.07	112.12	99.98	12.14	9.237		
1,600.00	1,565.21	1,581.82	1,516.62	6.99	8.54	-43.42	-320.88	-92.47	122.42	109.27	13.15	9.311		
1,700.00	1,655.84	1,677.84	1,599.27	7.73	9.42	-42.11	-365.24	-112.97	132.89	118.69	14.20	9.358		
1,800.00	1,744.94	1,773.54	1,679.97	8.52	10.34	-41.10	-411.93	-134.55	143.49	128.19	15.30	9.377		
1,900.00	1,832.39	1,868.93	1,758.65	9.37	11.30	-40.34	-460.88	-157.18	154.19	137.73	16.46	9.369		
2,000.00	1,918.11	1,964.02	1,835.25	10.27	12.30	-39.77	-512.01	-180.81	164.94	147.27	17.67	9.337		
2,100.00	2,001.97	2,058.80	1,909.70	11.22	13.35	-39.37	-565.25	-205.42	175.73	156.80	18.93	9.281		
2,200.00	2,083.88	2,153.30	1,981.96	12.23	14.43	-39.10	-620.52	-230.97	186.55	166.28	20.27	9.205		
2,300.00	2,163.74	2,247.51	2,051.96	13.29	15.55	-38.94	-677.75	-257.42	197.36	175.70	21.66	9.111		
2,400.00	2,241.45	2,341.45	2,119.66	14.40	16.71	-38.87	-736.87	-284.74	208.17	185.04	23.13	9.001		
2,500.00	2,316.92	2,435.12	2,185.00	15.57	17.91	-38.88	-797.79	-312.90	218.96	194.29	24.67	8.877		
2,600.00	2,390.05	2,528.54	2,247.94	16.78	19.15	-38.95	-860.44	-341.86	229.71	203.43	26.27	8.743		
2,700.00	2,460.76	2,621.70	2,308.44	18.05	20.41	-39.09	-924.74	-371.58	240.42	212.46	27.96	8.599		
2,800.00	2,528.95	2,714.63	2,366.46	19.37	21.71	-39.27	-990.63	-402.03	251.08	221.36	29.72	8.448		
2,900.00	2,595.08	2,807.26	2,421.92	20.72	23.04	-39.49	-1,057.98	-433.16	262.22	230.70	31.52	8.319		
3,000.00	2,661.04	2,900.46	2,475.31	22.08	24.41	-39.41	-1,127.31	-465.21	275.74	242.51	33.23	8.297		
3,100.00	2,726.99	2,999.40	2,531.07	23.46	25.89	-39.19	-1,201.51	-499.50	290.18	255.08	35.11	8.266		
3,200.00	2,792.94	3,098.35	2,586.82	24.84	27.36	-39.00	-1,275.71	-533.80	304.63	267.64	36.99	8.236		
3,300.00	2,858.90	3,197.30	2,642.58	26.22	28.85	-38.82	-1,349.90	-568.09	319.08	280.20	38.87	8.208		
3,400.00	2,924.85	3,296.24	2,698.34	27.61	30.33	-38.66	-1,424.10	-602.38	333.53	292.76	40.76	8.182		
3,500.00	2,990.81	3,395.19	2,754.10	29.00	31.82	-38.51	-1,498.30	-636.68	347.98	305.32	42.66	8.157		
3,600.00	3,056.76	3,494.13	2,809.86	30.40	33.31	-38.37	-1,572.50	-670.97	362.44	317.88	44.56	8.134		
3,700.00	3,122.71	3,593.08	2,865.62	31.80	34.80	-38.25	-1,646.69	-705.27	376.90	330.43	46.46	8.112		
3,800.00	3,188.67	3,692.03	2,921.38	33.20	36.30	-38.13	-1,720.89	-739.56	391.35	342.99	48.37	8.091		
3,900.00	3,254.62	3,790.97	2,977.14	34.60	37.80	-38.02	-1,795.09	-773.86	405.82	355.54	50.28	8.072		
4,000.00	3,320.58	3,889.92	3,032.90	36.01	39.30	-37.92	-1,869.28	-808.15	420.28	368.09	52.19	8.053		
4,100.00	3,386.53	3,988.86	3,088.65	37.41	40.80	-37.83	-1,943.48	-842.44	434.74	380.64	54.10	8.036		
4,200.00	3,452.48	4,087.81	3,144.41	38.82	42.30	-37.74	-2,017.68	-876.74	449.21	393.19	56.01	8.020		
4,300.00	3,518.44	4,186.76	3,200.17	40.23	43.80	-37.65	-2,091.87	-911.03	463.67	405.74	57.93	8.004		
4,400.00	3,584.39	4,285.70	3,255.93	41.64	45.30	-37.58	-2,166.07	-945.33	478.14	418.29	59.85	7.989		
4,500.00	3,650.35	4,384.65	3,311.69	43.05	46.81	-37.50	-2,240.27	-979.62	492.60	430.84	61.77	7.975		
4,600.00	3,716.30	4,483.60	3,367.45	44.46	48.31	-37.43	-2,314.46	-1,013.92	507.07	443.39	63.69	7.962		
4,700.00	3,782.25	4,582.54	3,423.21	45.88	49.82	-37.37	-2,388.66	-1,048.21	521.54	455.93	65.61	7.950		
4,800.00	3,848.21	4,681.49	3,478.97	47.29	51.32	-37.31	-2,462.86	-1,082.50	536.01	468.48	67.53	7.938		
4,900.00	3,914.16	4,780.43	3,534.72	48.71	52.83	-37.25	-2,537.06	-1,116.80	550.48	481.03	69.45	7.926		
5,000.00	3,980.12	4,879.38	3,590.48	50.12	54.34	-37.19	-2,611.25	-1,151.09	564.95	493.57	71.37	7.915		

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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Reference Well:	MAVERICK 2W-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	4,046.07	4,978.33	3,646.24	51.54	55.85	-37.14	-2,685.45	-1,185.39	579.42	506.12	73.30	7.905		
5,200.00	4,112.02	5,077.27	3,702.00	52.95	57.36	-37.09	-2,759.65	-1,219.68	593.89	518.67	75.22	7.895		
5,300.00	4,177.98	5,176.22	3,757.76	54.37	58.86	-37.04	-2,833.84	-1,253.98	608.36	531.21	77.15	7.886		
5,400.00	4,243.93	5,275.16	3,813.52	55.79	60.37	-37.00	-2,908.04	-1,288.27	622.83	543.76	79.08	7.876		
5,500.00	4,309.89	5,374.11	3,869.28	57.21	61.88	-36.96	-2,982.24	-1,322.56	637.31	556.31	81.00	7.868		
5,600.00	4,375.84	5,473.06	3,925.04	58.63	63.39	-36.91	-3,056.43	-1,356.86	651.78	568.85	82.93	7.859		
5,700.00	4,441.79	5,572.00	3,980.80	60.05	64.90	-36.87	-3,130.63	-1,391.15	666.25	581.40	84.86	7.852		
5,800.00	4,507.75	5,670.95	4,036.55	61.47	66.41	-36.84	-3,204.83	-1,425.45	680.73	593.94	86.78	7.844		
5,900.00	4,573.70	5,769.89	4,092.31	62.89	67.93	-36.80	-3,279.02	-1,459.74	695.20	606.49	88.71	7.837		
6,000.00	4,639.66	5,868.84	4,148.07	64.31	69.44	-36.76	-3,353.22	-1,494.04	709.67	619.03	90.64	7.829		
6,100.00	4,705.61	5,967.79	4,203.83	65.73	70.95	-36.73	-3,427.42	-1,528.33	724.15	631.58	92.57	7.823		
6,200.00	4,771.56	6,066.73	4,259.59	67.15	72.46	-36.70	-3,501.62	-1,562.62	738.62	644.12	94.50	7.816		
6,300.00	4,837.52	6,165.68	4,315.35	68.57	73.97	-36.67	-3,575.81	-1,596.92	753.10	656.67	96.43	7.810		
6,400.00	4,903.47	6,264.62	4,371.11	69.99	75.48	-36.64	-3,650.01	-1,631.21	767.57	669.21	98.36	7.804		
6,500.00	4,969.43	6,363.57	4,426.87	71.41	77.00	-36.61	-3,724.21	-1,665.51	782.05	681.76	100.29	7.798		
6,600.00	5,035.38	6,462.52	4,482.63	72.83	78.51	-36.58	-3,798.40	-1,699.80	796.52	694.30	102.22	7.792		
6,700.00	5,101.33	6,561.46	4,538.38	74.25	80.02	-36.56	-3,872.60	-1,734.10	811.00	706.85	104.15	7.787		
6,800.00	5,167.29	6,660.41	4,594.14	75.67	81.53	-36.53	-3,946.80	-1,768.39	825.47	719.39	106.08	7.781		
6,900.00	5,233.24	6,759.36	4,649.90	77.10	83.05	-36.50	-4,020.99	-1,802.68	839.95	731.93	108.01	7.776		
7,000.00	5,299.20	6,858.30	4,705.66	78.52	84.56	-36.48	-4,095.19	-1,836.98	854.42	744.48	109.94	7.771		
7,100.00	5,365.15	6,957.25	4,761.42	79.94	86.07	-36.46	-4,169.39	-1,871.27	868.90	757.02	111.88	7.767		
7,200.00	5,431.10	7,056.19	4,817.18	81.36	87.59	-36.44	-4,243.58	-1,905.57	883.38	769.57	113.81	7.762		
7,300.00	5,497.06	7,155.14	4,872.94	82.79	89.10	-36.41	-4,317.78	-1,939.86	897.85	782.11	115.74	7.757		
7,400.00	5,563.01	7,254.09	4,928.70	84.21	90.62	-36.39	-4,391.98	-1,974.16	912.33	794.66	117.67	7.753		
7,500.00	5,628.97	7,353.03	4,984.45	85.63	92.13	-36.37	-4,466.18	-2,008.45	926.81	807.20	119.60	7.749		
7,600.00	5,694.92	7,451.98	5,040.21	87.06	93.64	-36.35	-4,540.37	-2,042.74	941.28	819.74	121.54	7.745		
7,700.00	5,760.87	7,550.92	5,095.97	88.48	95.16	-36.33	-4,614.57	-2,077.04	955.76	832.29	123.47	7.741		
7,800.00	5,826.83	7,649.87	5,151.73	89.90	96.67	-36.31	-4,688.77	-2,111.33	970.24	844.83	125.40	7.737		
7,900.00	5,892.78	7,748.82	5,207.49	91.33	98.19	-36.30	-4,762.96	-2,145.63	984.71	857.38	127.33	7.733		
8,000.00	5,958.74	7,847.76	5,263.25	92.75	99.70	-36.28	-4,837.16	-2,179.92	999.19	869.92	129.27	7.730		
8,100.00	6,024.69	7,946.71	5,319.01	94.17	101.21	-36.26	-4,911.36	-2,214.22	1,013.67	882.47	131.20	7.726		
8,200.00	6,090.64	8,045.65	5,374.77	95.60	102.73	-36.25	-4,985.55	-2,248.51	1,028.14	895.01	133.13	7.723		
8,300.00	6,156.60	8,144.60	5,430.53	97.02	104.24	-36.23	-5,059.75	-2,282.80	1,042.62	907.55	135.07	7.719		
8,400.00	6,222.55	8,243.55	5,486.28	98.45	105.76	-36.21	-5,133.95	-2,317.10	1,057.10	920.10	137.00	7.716		
8,500.00	6,288.51	8,342.49	5,542.04	99.87	107.27	-36.20	-5,208.14	-2,351.39	1,071.58	932.64	138.93	7.713		
8,600.00	6,354.46	8,441.44	5,597.80	101.29	108.79	-36.18	-5,282.34	-2,385.69	1,086.05	945.18	140.87	7.710		
8,700.00	6,420.41	8,540.38	5,653.56	102.72	110.30	-36.17	-5,356.54	-2,419.98	1,100.53	957.73	142.80	7.707		
8,800.00	6,486.37	8,639.33	5,709.32	104.14	111.82	-36.16	-5,430.73	-2,454.28	1,115.01	970.27	144.74	7.704		
8,900.00	6,552.32	8,738.28	5,765.08	105.57	113.33	-36.14	-5,504.93	-2,488.57	1,129.49	982.82	146.67	7.701		
9,000.00	6,618.28	8,837.22	5,820.84	106.99	114.85	-36.13	-5,579.13	-2,522.86	1,143.96	995.36	148.60	7.698		
9,100.00	6,684.23	8,936.17	5,876.60	108.42	116.36	-36.12	-5,653.33	-2,557.16	1,158.44	1,007.90	150.54	7.695		
9,200.00	6,750.18	9,035.12	5,932.36	109.84	117.88	-36.10	-5,727.52	-2,591.45	1,172.92	1,020.45	152.47	7.693		
9,300.00	6,816.14	9,134.06	5,988.11	111.26	119.39	-36.09	-5,801.72	-2,625.75	1,187.40	1,032.99	154.41	7.690		
9,400.00	6,882.09	9,233.01	6,043.87	112.69	120.91	-36.08	-5,875.92	-2,660.04	1,201.87	1,045.54	156.34	7.688		
9,500.00	6,948.05	9,331.95	6,099.63	114.11	122.42	-36.07	-5,950.11	-2,694.34	1,216.35	1,058.08	158.27	7.685		
9,600.00	7,014.00	9,430.90	6,155.39	115.54	123.94	-36.06	-6,024.31	-2,728.63	1,230.83	1,070.62	160.21	7.683		
9,700.00	7,079.88	9,529.83	6,211.14	116.97	125.45	-37.20	-6,098.50	-2,762.92	1,245.37	1,083.20	162.17	7.679		
9,800.00	7,142.10	9,627.57	6,266.22	118.48	126.95	-43.12	-6,171.79	-2,796.79	1,262.73	1,097.32	165.41	7.634		
9,900.00	7,197.32	9,721.21	6,318.99	120.08	128.38	-47.74	-6,242.01	-2,829.25	1,284.35	1,113.86	170.49	7.533		
10,000.00	7,243.87	9,807.92	6,367.85	121.71	129.71	-50.99	-6,307.03	-2,859.30	1,310.56	1,133.36	177.20	7.396		
10,100.00	7,280.34	9,885.05	6,411.32	123.32	130.89	-52.74	-6,364.87	-2,886.04	1,341.90	1,156.69	185.21	7.245		
10,200.00	7,305.62	9,950.28	6,448.07	124.84	131.89	-52.80	-6,413.78	-2,908.64	1,378.89	1,184.83	194.05	7.106		

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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Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,318.93	10,001.60	6,477.00	126.22	132.68	-50.95	-6,452.26	-2,926.43	1,421.76	1,218.56	203.20	6.997		
10,400.00	7,321.00	10,038.93	6,498.03	127.44	133.25	-49.53	-6,480.26	-2,939.37	1,470.22	1,258.13	212.09	6.932		
10,500.00	7,321.00	10,073.61	6,517.58	128.66	133.78	-50.95	-6,506.26	-2,951.39	1,523.07	1,302.82	220.25	6.915		
10,600.00	7,321.00	10,108.30	6,537.12	129.91	134.31	-52.37	-6,532.27	-2,963.41	1,579.73	1,352.06	227.66	6.939		
10,700.00	7,321.00	10,142.98	6,556.67	131.19	134.84	-53.76	-6,558.28	-2,975.43	1,639.79	1,405.42	234.37	6.997		
10,800.00	7,321.00	11,670.67	7,001.00	132.51	155.44	-78.93	-7,148.16	-4,089.31	1,661.78	1,480.74	181.04	9.179		
10,900.00	7,321.00	11,770.67	7,001.00	133.87	156.53	-78.93	-7,147.99	-4,189.31	1,661.59	1,476.44	185.15	8.974		
11,000.00	7,321.00	11,870.67	7,001.00	135.26	157.65	-78.93	-7,147.83	-4,289.31	1,661.40	1,472.08	189.32	8.776		
11,100.00	7,321.00	11,970.67	7,001.00	136.68	158.80	-78.93	-7,147.66	-4,389.31	1,661.21	1,467.66	193.55	8.583		
11,200.00	7,321.00	12,070.67	7,001.00	138.14	159.97	-78.93	-7,147.50	-4,489.31	1,661.02	1,463.19	197.83	8.396		
11,300.00	7,321.00	12,170.67	7,001.00	139.63	161.18	-78.93	-7,147.33	-4,589.31	1,660.83	1,458.66	202.17	8.215		
11,400.00	7,321.00	12,270.67	7,001.00	141.15	162.42	-78.92	-7,147.17	-4,689.31	1,660.64	1,454.09	206.56	8.040		
11,500.00	7,321.00	12,370.67	7,001.00	142.70	163.68	-78.92	-7,147.00	-4,789.31	1,660.45	1,449.47	210.99	7.870		
11,600.00	7,321.00	12,470.67	7,001.00	144.29	164.97	-78.92	-7,146.84	-4,889.31	1,660.26	1,444.80	215.46	7.706		
11,700.00	7,321.00	12,570.67	7,001.00	145.91	166.30	-78.92	-7,146.68	-4,989.31	1,660.07	1,440.10	219.97	7.547		
11,800.00	7,321.00	12,670.67	7,001.00	147.55	167.65	-78.92	-7,146.51	-5,089.31	1,659.88	1,435.36	224.52	7.393		
11,900.00	7,321.00	12,770.67	7,001.00	149.23	169.03	-78.92	-7,146.35	-5,189.30	1,659.69	1,430.59	229.10	7.244		
12,000.00	7,321.00	12,870.67	7,001.00	150.93	170.44	-78.92	-7,146.18	-5,289.30	1,659.50	1,425.78	233.72	7.100		
12,100.00	7,321.00	12,970.67	7,001.00	152.67	171.88	-78.92	-7,146.02	-5,389.30	1,659.31	1,420.94	238.37	6.961		
12,200.00	7,321.00	13,070.67	7,001.00	154.43	173.34	-78.91	-7,145.85	-5,489.30	1,659.12	1,416.07	243.05	6.826		
12,300.00	7,321.00	13,170.67	7,001.00	156.22	174.83	-78.91	-7,145.69	-5,589.30	1,658.93	1,411.18	247.75	6.696		
12,400.00	7,321.00	13,270.67	7,001.00	158.04	176.35	-78.91	-7,145.52	-5,689.30	1,658.74	1,406.25	252.49	6.570		
12,500.00	7,321.00	13,370.67	7,001.00	159.88	177.90	-78.91	-7,145.36	-5,789.30	1,658.55	1,401.31	257.24	6.447		
12,600.00	7,321.00	13,470.67	7,001.00	161.75	179.47	-78.91	-7,145.19	-5,889.30	1,658.36	1,396.34	262.02	6.329		
12,700.00	7,321.00	13,570.67	7,001.00	163.64	181.07	-78.91	-7,145.03	-5,989.30	1,658.17	1,391.34	266.82	6.214		
12,800.00	7,321.00	13,670.67	7,001.00	165.56	182.70	-78.91	-7,144.86	-6,089.30	1,657.98	1,386.33	271.65	6.103		
12,900.00	7,321.00	13,770.67	7,001.00	167.49	184.35	-78.91	-7,144.70	-6,189.30	1,657.79	1,381.30	276.49	5.996		
13,000.00	7,321.00	13,870.67	7,001.00	169.46	186.03	-78.90	-7,144.53	-6,289.30	1,657.60	1,376.25	281.35	5.892		
13,100.00	7,321.00	13,970.67	7,001.00	171.44	187.73	-78.90	-7,144.37	-6,389.30	1,657.41	1,371.18	286.23	5.790		
13,200.00	7,321.00	14,070.67	7,001.00	173.45	189.45	-78.90	-7,144.20	-6,489.30	1,657.22	1,366.09	291.13	5.692		
13,300.00	7,321.00	14,170.67	7,001.00	175.47	191.20	-78.90	-7,144.04	-6,589.30	1,657.03	1,360.99	296.04	5.597		
13,400.00	7,321.00	14,270.67	7,001.00	177.52	192.98	-78.90	-7,143.88	-6,689.30	1,656.84	1,355.87	300.97	5.505		
13,500.00	7,321.00	14,370.67	7,001.00	179.58	194.77	-78.90	-7,143.71	-6,789.30	1,656.65	1,350.74	305.91	5.415		
13,600.00	7,321.00	14,470.67	7,001.00	181.67	196.59	-78.90	-7,143.55	-6,889.30	1,656.46	1,345.59	310.87	5.328		
13,700.00	7,321.00	14,570.67	7,001.00	183.77	198.43	-78.90	-7,143.38	-6,989.30	1,656.27	1,340.43	315.84	5.244		
13,800.00	7,321.00	14,670.67	7,001.00	185.89	200.29	-78.89	-7,143.22	-7,089.30	1,656.08	1,335.26	320.82	5.162		
13,900.00	7,321.00	14,770.67	7,001.00	188.02	202.18	-78.89	-7,143.05	-7,189.30	1,655.89	1,330.07	325.81	5.082		
14,000.00	7,321.00	14,870.67	7,001.00	190.18	204.08	-78.89	-7,142.89	-7,289.30	1,655.70	1,324.88	330.82	5.005		
14,100.00	7,321.00	14,970.67	7,001.00	192.35	206.01	-78.89	-7,142.72	-7,389.30	1,655.51	1,319.67	335.84	4.929		
14,200.00	7,321.00	15,070.67	7,001.00	194.53	207.95	-78.89	-7,142.56	-7,489.30	1,655.32	1,314.45	340.86	4.856		
14,300.00	7,321.00	15,170.67	7,001.00	196.73	209.91	-78.89	-7,142.39	-7,589.30	1,655.13	1,309.23	345.90	4.785		
14,400.00	7,321.00	15,270.67	7,001.00	198.95	211.89	-78.89	-7,142.23	-7,689.30	1,654.94	1,303.99	350.95	4.716		
14,500.00	7,321.00	15,370.67	7,001.00	201.17	213.89	-78.88	-7,142.06	-7,789.30	1,654.75	1,298.74	356.00	4.648		
14,600.00	7,321.00	15,470.66	7,001.00	203.42	215.91	-78.88	-7,141.90	-7,889.30	1,654.56	1,293.49	361.07	4.582		
14,700.00	7,321.00	15,570.66	7,001.00	205.67	217.95	-78.88	-7,141.73	-7,989.30	1,654.37	1,288.22	366.14	4.518		
14,800.00	7,321.00	15,670.66	7,001.00	207.94	220.00	-78.88	-7,141.57	-8,089.30	1,654.18	1,282.95	371.22	4.456		
14,900.00	7,321.00	15,770.66	7,001.00	210.22	222.07	-78.88	-7,141.41	-8,189.30	1,653.99	1,277.67	376.31	4.395		
15,000.00	7,321.00	15,870.66	7,001.00	212.51	224.15	-78.88	-7,141.24	-8,289.29	1,653.80	1,272.39	381.41	4.336		
15,100.00	7,321.00	15,970.66	7,001.00	214.81	226.25	-78.88	-7,141.08	-8,389.29	1,653.61	1,267.09	386.51	4.278		
15,200.00	7,321.00	16,070.66	7,001.00	217.12	228.36	-78.88	-7,140.91	-8,489.29	1,653.42	1,261.79	391.62	4.222		
15,300.00	7,321.00	16,170.66	7,001.00	219.45	230.49	-78.87	-7,140.75	-8,589.29	1,653.23	1,256.49	396.74	4.167		
15,400.00	7,321.00	16,270.66	7,001.00	221.78	232.64	-78.87	-7,140.58	-8,689.29	1,653.04	1,251.17	401.86	4.113		

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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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		
15,500.00	7,321.00	16,370.66	7,001.00	224.13	234.79	-78.87	-7,140.42	-8,789.29	1,652.85	1,245.85	406.99	4.061		
15,600.00	7,321.00	16,470.66	7,001.00	226.48	236.97	-78.87	-7,140.25	-8,889.29	1,652.66	1,240.53	412.13	4.010		
15,700.00	7,321.00	16,570.66	7,001.00	228.85	239.15	-78.87	-7,140.09	-8,989.29	1,652.47	1,235.20	417.27	3.960		
15,800.00	7,321.00	16,670.66	7,001.00	231.22	241.35	-78.87	-7,139.92	-9,089.29	1,652.28	1,229.86	422.42	3.911		
15,900.00	7,321.00	16,770.66	7,001.00	233.60	243.56	-78.87	-7,139.76	-9,189.29	1,652.09	1,224.52	427.57	3.864		
16,000.00	7,321.00	16,870.66	7,001.00	235.99	245.78	-78.87	-7,139.59	-9,289.29	1,651.90	1,219.17	432.73	3.817		
16,100.00	7,321.00	16,970.66	7,001.00	238.39	248.01	-78.86	-7,139.43	-9,389.29	1,651.71	1,213.82	437.89	3.772		
16,200.00	7,321.00	17,070.66	7,001.00	240.79	250.26	-78.86	-7,139.26	-9,489.29	1,651.52	1,208.46	443.05	3.728		
16,300.00	7,321.00	17,170.66	7,001.00	243.21	252.51	-78.86	-7,139.10	-9,589.29	1,651.33	1,203.10	448.22	3.684		
16,400.00	7,321.00	17,270.66	7,001.00	245.63	254.78	-78.86	-7,138.93	-9,689.29	1,651.14	1,197.74	453.40	3.642		
16,500.00	7,321.00	17,370.66	7,001.00	248.06	257.06	-78.86	-7,138.77	-9,789.29	1,650.95	1,192.37	458.58	3.600		
16,600.00	7,321.00	17,470.66	7,001.00	250.49	259.35	-78.86	-7,138.61	-9,889.29	1,650.76	1,186.99	463.76	3.559		
16,700.00	7,321.00	17,570.66	7,001.00	252.93	261.64	-78.86	-7,138.44	-9,989.29	1,650.57	1,181.62	468.95	3.520		
16,800.00	7,321.00	17,670.66	7,001.00	255.38	263.95	-78.86	-7,138.28	-10,089.29	1,650.38	1,176.23	474.14	3.481		
16,900.00	7,321.00	17,770.66	7,001.00	257.84	266.27	-78.85	-7,138.11	-10,189.29	1,650.19	1,170.85	479.34	3.443		
17,000.00	7,321.00	17,870.66	7,001.00	260.30	268.59	-78.85	-7,137.95	-10,289.29	1,650.00	1,165.46	484.54	3.405		
17,100.00	7,321.00	17,970.66	7,001.00	262.76	270.93	-78.85	-7,137.78	-10,389.29	1,649.81	1,160.07	489.74	3.369		
17,200.00	7,321.00	18,070.66	7,001.00	265.24	273.27	-78.85	-7,137.62	-10,489.29	1,649.62	1,154.67	494.94	3.333		
17,300.00	7,321.00	18,170.66	7,001.00	267.72	275.62	-78.85	-7,137.45	-10,589.29	1,649.43	1,149.27	500.15	3.298		
17,400.00	7,321.00	18,270.66	7,001.00	270.20	277.98	-78.85	-7,137.29	-10,689.29	1,649.24	1,143.87	505.36	3.263		
17,500.00	7,321.00	18,370.66	7,001.00	272.69	280.35	-78.85	-7,137.12	-10,789.29	1,649.05	1,138.47	510.58	3.230		
17,600.00	7,321.00	18,470.66	7,001.00	275.18	282.72	-78.84	-7,136.96	-10,889.29	1,648.86	1,133.06	515.80	3.197		
17,700.00	7,321.00	18,570.66	7,001.00	277.68	285.10	-78.84	-7,136.79	-10,989.29	1,648.67	1,127.65	521.02	3.164		
17,800.00	7,321.00	18,670.66	7,001.00	280.19	287.49	-78.84	-7,136.63	-11,089.29	1,648.43	1,122.19	526.24	3.132		
17,900.00	7,321.00	18,770.66	7,001.00	282.71	289.89	-78.82	-7,136.46	-11,189.25	1,645.97	1,114.53	531.44	3.097		
18,000.00	7,321.00	18,870.44	7,001.00	285.26	292.29	-78.75	-7,136.30	-11,289.06	1,640.09	1,103.49	536.61	3.056		
18,100.00	7,321.00	18,969.98	7,001.00	287.83	294.69	-78.65	-7,136.14	-11,388.61	1,630.80	1,089.08	541.72	3.010		
18,200.00	7,321.00	19,069.14	7,001.00	290.41	297.08	-78.51	-7,135.97	-11,487.76	1,618.12	1,071.34	546.78	2.959		
18,300.00	7,321.00	19,167.79	7,001.00	293.00	299.47	-78.34	-7,135.81	-11,586.42	1,602.13	1,050.37	551.76	2.904		
18,400.00	7,321.00	19,266.28	7,001.00	295.59	301.86	-78.22	-7,135.65	-11,684.90	1,585.12	1,028.40	556.72	2.847		
18,500.00	7,321.00	19,364.76	7,001.00	298.19	304.26	-78.09	-7,135.49	-11,783.38	1,568.12	1,006.45	561.67	2.792		
18,600.00	7,321.00	19,463.24	7,001.00	300.78	306.66	-77.95	-7,135.32	-11,881.86	1,551.13	984.52	566.60	2.738		
18,700.00	7,321.00	19,561.72	7,001.00	303.38	309.07	-77.82	-7,135.16	-11,980.35	1,534.14	962.61	571.53	2.684		
18,800.00	7,321.00	19,660.20	7,001.00	305.98	311.49	-77.68	-7,135.00	-12,078.83	1,517.16	940.71	576.45	2.632		
18,900.00	7,321.00	19,758.68	7,001.00	308.58	313.91	-77.54	-7,134.84	-12,177.31	1,500.20	918.84	581.36	2.580		
19,000.00	7,321.00	19,857.16	7,001.00	311.18	316.33	-77.39	-7,134.67	-12,275.79	1,483.24	896.98	586.26	2.530		
19,100.00	7,321.00	19,955.65	7,001.00	313.78	318.76	-77.25	-7,134.51	-12,374.27	1,466.29	875.15	591.14	2.480		
19,200.00	7,321.00	20,054.13	7,001.00	316.39	321.19	-77.10	-7,134.35	-12,472.75	1,449.35	853.33	596.01	2.432		
19,300.00	7,321.00	20,152.61	7,001.00	318.99	323.63	-76.94	-7,134.19	-12,571.23	1,432.42	831.55	600.87	2.384		
19,400.00	7,321.00	20,251.09	7,001.00	321.60	326.07	-76.78	-7,134.03	-12,669.72	1,415.50	809.78	605.72	2.337		
19,500.00	7,321.00	20,349.58	7,001.00	324.21	328.52	-76.63	-7,133.86	-12,768.20	1,398.61	788.07	610.55	2.291		
19,600.00	7,321.00	20,448.40	7,001.00	326.81	330.98	-76.55	-7,133.70	-12,867.03	1,383.78	768.36	615.42	2.248		
19,700.00	7,321.00	20,547.70	7,001.00	329.42	333.46	-76.49	-7,133.54	-12,966.33	1,372.32	751.93	620.38	2.212		
19,800.00	7,321.00	20,647.35	7,001.00	332.01	335.95	-76.45	-7,133.37	-13,065.97	1,364.24	738.81	625.42	2.181		
19,900.00	7,321.00	20,747.23	7,001.00	334.60	338.45	-76.42	-7,133.21	-13,165.85	1,359.54	729.00	630.54	2.156		
19,988.36	7,321.00	20,835.58	7,001.00	336.87	340.66	-76.42	-7,133.06	-13,254.20	1,358.22	723.09	635.12	2.139		
20,000.00	7,321.00	20,847.21	7,001.00	337.16	340.96	-76.42	-7,133.04	-13,265.84	1,358.24	722.51	635.73	2.136		
20,100.00	7,321.00	20,947.21	7,001.00	339.72	343.47	-76.42	-7,132.88	-13,365.84	1,359.00	718.04	640.97	2.120		
20,200.00	7,321.00	21,047.21	7,001.00	342.28	345.98	-76.43	-7,132.71	-13,465.83	1,359.79	713.58	646.21	2.104		
20,300.00	7,321.00	21,147.21	7,001.00	344.84	348.50	-76.44	-7,132.55	-13,565.83	1,360.58	709.13	651.45	2.089		
20,400.00	7,321.00	21,247.20	7,001.00	347.40	351.02	-76.45	-7,132.39	-13,665.83	1,361.36	704.67	656.69	2.073		
20,500.00	7,321.00	21,347.20	7,001.00	349.97	353.55	-76.46	-7,132.22	-13,765.82	1,362.15	700.21	661.94	2.058		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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	
20,540.60	7,321.00	21,369.95	7,001.00	351.01	354.12	-76.46	-7,132.18	-13,788.58	1,362.59	696.49	666.10	2.046 SF	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,900.00	2,595.08	2,626.08	2,626.08	20.72	52.45	42.39	-5,638.07	-9,332.42	10,014.17	9,947.55	66.62	150.307		
3,000.00	2,661.04	2,692.04	2,692.04	22.08	53.77	42.64	-5,638.07	-9,332.42	9,949.85	9,881.11	68.74	144.747		
3,100.00	2,726.99	2,757.99	2,757.99	23.46	55.10	42.89	-5,638.07	-9,332.42	9,885.68	9,814.81	70.87	139.488		
3,200.00	2,792.94	2,823.94	2,823.94	24.84	56.43	43.15	-5,638.07	-9,332.42	9,821.66	9,748.64	73.02	134.510		
3,300.00	2,858.90	2,889.90	2,889.90	26.22	57.75	43.41	-5,638.07	-9,332.42	9,757.81	9,682.63	75.18	129.793		
3,400.00	2,924.85	2,955.85	2,955.85	27.61	59.08	43.67	-5,638.07	-9,332.42	9,694.11	9,616.75	77.36	125.318		
3,500.00	2,990.81	3,021.81	3,021.81	29.00	60.41	43.93	-5,638.07	-9,332.42	9,630.58	9,551.04	79.55	121.069		
3,600.00	3,056.76	3,087.76	3,087.76	30.40	61.73	44.20	-5,638.07	-9,332.42	9,567.22	9,485.47	81.75	117.030		
3,700.00	3,122.71	3,153.71	3,153.71	31.80	63.06	44.46	-5,638.07	-9,332.42	9,504.04	9,420.07	83.97	113.188		
3,800.00	3,188.67	3,219.67	3,219.67	33.20	64.39	44.74	-5,638.07	-9,332.42	9,441.02	9,354.83	86.20	109.529		
3,900.00	3,254.62	3,285.62	3,285.62	34.60	65.71	45.01	-5,638.07	-9,332.42	9,378.19	9,289.75	88.44	106.042		
4,000.00	3,320.58	3,351.58	3,351.58	36.01	67.04	45.29	-5,638.07	-9,332.42	9,315.54	9,224.85	90.69	102.714		
4,100.00	3,386.53	3,417.53	3,417.53	37.41	68.37	45.56	-5,638.07	-9,332.42	9,253.08	9,160.11	92.96	99.537		
4,200.00	3,452.48	3,483.48	3,483.48	38.82	69.69	45.85	-5,638.07	-9,332.42	9,190.80	9,095.56	95.24	96.501		
4,300.00	3,518.44	3,549.44	3,549.44	40.23	71.02	46.13	-5,638.07	-9,332.42	9,128.72	9,031.19	97.53	93.596		
4,400.00	3,584.39	3,615.39	3,615.39	41.64	72.35	46.42	-5,638.07	-9,332.42	9,066.84	8,967.00	99.84	90.816		
4,500.00	3,650.35	3,681.35	3,681.35	43.05	73.67	46.71	-5,638.07	-9,332.42	9,005.16	8,903.01	102.15	88.152		
4,600.00	3,716.30	3,747.30	3,747.30	44.46	75.00	47.00	-5,638.07	-9,332.42	8,943.69	8,839.20	104.48	85.599		
4,700.00	3,782.25	3,813.25	3,813.25	45.88	76.32	47.30	-5,638.07	-9,332.42	8,882.43	8,775.60	106.83	83.149		
4,800.00	3,848.21	3,879.21	3,879.21	47.29	77.65	47.59	-5,638.07	-9,332.42	8,821.38	8,712.20	109.18	80.796		
4,900.00	3,914.16	3,945.16	3,945.16	48.71	78.98	47.90	-5,638.07	-9,332.42	8,760.55	8,649.00	111.55	78.537		
5,000.00	3,980.12	4,011.12	4,011.12	50.12	80.30	48.20	-5,638.07	-9,332.42	8,699.95	8,586.02	113.93	76.364		
5,100.00	4,046.07	4,077.07	4,077.07	51.54	81.63	48.51	-5,638.07	-9,332.42	8,639.57	8,523.25	116.32	74.274		
5,200.00	4,112.02	4,143.02	4,143.02	52.95	82.96	48.82	-5,638.07	-9,332.42	8,579.43	8,460.71	118.73	72.263		
5,300.00	4,177.98	4,208.98	4,208.98	54.37	84.28	49.13	-5,638.07	-9,332.42	8,519.53	8,398.39	121.14	70.325		
5,400.00	4,243.93	4,274.93	4,274.93	55.79	85.61	49.45	-5,638.07	-9,332.42	8,459.87	8,336.30	123.58	68.459		
5,500.00	4,309.89	4,340.89	4,340.89	57.21	86.94	49.77	-5,638.07	-9,332.42	8,400.46	8,274.44	126.02	66.659		
5,600.00	4,375.84	4,406.84	4,406.84	58.63	88.26	50.09	-5,638.07	-9,332.42	8,341.31	8,212.83	128.48	64.923		
5,700.00	4,441.79	4,472.79	4,472.79	60.05	89.59	50.41	-5,638.07	-9,332.42	8,282.41	8,151.46	130.95	63.247		
5,800.00	4,507.75	4,538.75	4,538.75	61.47	90.92	50.74	-5,638.07	-9,332.42	8,223.78	8,090.34	133.44	61.629		
5,900.00	4,573.70	4,604.70	4,604.70	62.89	92.24	51.07	-5,638.07	-9,332.42	8,165.42	8,029.48	135.94	60.067		
6,000.00	4,639.66	4,670.66	4,670.66	64.31	93.57	51.41	-5,638.07	-9,332.42	8,107.34	7,968.88	138.45	58.556		
6,100.00	4,705.61	4,736.61	4,736.61	65.73	94.89	51.74	-5,638.07	-9,332.42	8,049.54	7,908.56	140.98	57.096		
6,200.00	4,771.56	4,802.56	4,802.56	67.15	96.22	52.08	-5,638.07	-9,332.42	7,992.03	7,848.50	143.52	55.684		
6,300.00	4,837.52	4,868.52	4,868.52	68.57	97.55	52.43	-5,638.07	-9,332.42	7,934.81	7,788.73	146.08	54.318		
6,400.00	4,903.47	4,934.47	4,934.47	69.99	98.87	52.78	-5,638.07	-9,332.42	7,877.90	7,729.24	148.65	52.995		
6,500.00	4,969.43	5,000.43	5,000.43	71.41	100.20	53.13	-5,638.07	-9,332.42	7,821.29	7,670.05	151.24	51.714		
6,600.00	5,035.38	5,066.38	5,066.38	72.83	101.53	53.48	-5,638.07	-9,332.42	7,765.00	7,611.16	153.84	50.474		
6,700.00	5,101.33	5,132.33	5,132.33	74.25	102.85	53.84	-5,638.07	-9,332.42	7,709.03	7,552.57	156.46	49.272		
6,800.00	5,167.29	5,198.29	5,198.29	75.67	104.18	54.20	-5,638.07	-9,332.42	7,653.39	7,494.30	159.09	48.107		
6,900.00	5,233.24	5,264.24	5,264.24	77.10	105.51	54.56	-5,638.07	-9,332.42	7,598.09	7,436.35	161.74	46.978		
7,000.00	5,299.20	5,330.20	5,330.20	78.52	106.83	54.93	-5,638.07	-9,332.42	7,543.13	7,378.73	164.40	45.883		
7,100.00	5,365.15	5,396.15	5,396.15	79.94	108.16	55.30	-5,638.07	-9,332.42	7,488.52	7,321.44	167.08	44.820		
7,200.00	5,431.10	5,462.10	5,462.10	81.36	109.48	55.67	-5,638.07	-9,332.42	7,434.27	7,264.50	169.77	43.789		
7,300.00	5,497.06	5,528.06	5,528.06	82.79	110.81	56.05	-5,638.07	-9,332.42	7,380.39	7,207.90	172.48	42.789		
7,400.00	5,563.01	5,594.01	5,594.01	84.21	112.14	56.43	-5,638.07	-9,332.42	7,326.88	7,151.67	175.21	41.818		
7,500.00	5,628.97	5,659.97	5,659.97	85.63	113.46	56.81	-5,638.07	-9,332.42	7,273.75	7,095.80	177.95	40.875		
7,600.00	5,694.92	5,725.92	5,725.92	87.06	114.79	57.20	-5,638.07	-9,332.42	7,221.02	7,040.31	180.71	39.959		
7,700.00	5,760.87	5,791.87	5,791.87	88.48	116.12	57.59	-5,638.07	-9,332.42	7,168.68	6,985.20	183.48	39.070		
7,800.00	5,826.83	5,857.83	5,857.83	89.90	117.44	57.98	-5,638.07	-9,332.42	7,116.76	6,930.49	186.27	38.206		
7,900.00	5,892.78	5,923.78	5,923.78	91.33	118.77	58.38	-5,638.07	-9,332.42	7,065.25	6,876.17	189.08	37.366		
8,000.00	5,958.74	5,989.74	5,989.74	92.75	120.10	58.78	-5,638.07	-9,332.42	7,014.17	6,822.27	191.91	36.550		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,100.00	6,024.69	6,055.69	6,055.69	94.17	121.42	59.18	-5,638.07	-9,332.42	6,963.53	6,768.79	194.75	35.757		
8,200.00	6,090.64	6,121.64	6,121.64	95.60	122.75	59.59	-5,638.07	-9,332.42	6,913.34	6,715.73	197.60	34.986		
8,300.00	6,156.60	6,187.60	6,187.60	97.02	124.07	60.00	-5,638.07	-9,332.42	6,863.60	6,663.12	200.47	34.237		
8,400.00	6,222.55	6,253.55	6,253.55	98.45	125.40	60.42	-5,638.07	-9,332.42	6,814.32	6,610.96	203.36	33.508		
8,500.00	6,288.51	6,319.51	6,319.51	99.87	126.73	60.83	-5,638.07	-9,332.42	6,765.53	6,559.26	206.27	32.799		
8,600.00	6,354.46	6,385.46	6,385.46	101.29	128.05	61.25	-5,638.07	-9,332.42	6,717.21	6,508.02	209.19	32.110		
8,700.00	6,420.41	6,451.41	6,451.41	102.72	129.38	61.68	-5,638.07	-9,332.42	6,669.40	6,457.27	212.13	31.440		
8,800.00	6,486.37	6,517.37	6,517.37	104.14	130.71	62.11	-5,638.07	-9,332.42	6,622.10	6,407.01	215.09	30.788		
8,900.00	6,552.32	6,583.32	6,583.32	105.57	132.03	62.54	-5,638.07	-9,332.42	6,575.31	6,357.25	218.06	30.154		
9,000.00	6,618.28	6,649.28	6,649.28	106.99	133.36	62.97	-5,638.07	-9,332.42	6,529.05	6,308.01	221.04	29.537		
9,100.00	6,684.23	6,715.23	6,715.23	108.42	134.69	63.41	-5,638.07	-9,332.42	6,483.34	6,259.29	224.05	28.938		
9,200.00	6,750.18	6,781.18	6,781.18	109.84	136.01	63.85	-5,638.07	-9,332.42	6,438.18	6,211.11	227.06	28.354		
9,300.00	6,816.14	6,847.14	6,847.14	111.26	137.34	64.30	-5,638.07	-9,332.42	6,393.58	6,163.48	230.10	27.786		
9,400.00	6,882.09	6,913.09	6,913.09	112.69	138.66	64.75	-5,638.07	-9,332.42	6,349.56	6,116.41	233.15	27.234		
9,500.00	6,948.05	6,979.05	6,979.05	114.11	139.99	65.20	-5,638.07	-9,332.42	6,306.13	6,069.92	236.21	26.697		
9,600.00	7,014.00	7,045.00	7,045.00	115.54	141.32	65.65	-5,638.07	-9,332.42	6,263.29	6,024.01	239.29	26.175		
9,700.00	7,079.88	7,110.88	7,110.88	116.97	142.64	64.68	-5,638.07	-9,332.42	6,220.84	5,978.46	242.38	25.666		
9,800.00	7,142.10	7,173.10	7,173.10	118.48	143.89	57.74	-5,638.07	-9,332.42	6,168.92	5,923.58	245.34	25.144		
9,900.00	7,197.32	7,228.32	7,228.32	120.08	145.00	52.27	-5,638.07	-9,332.42	6,103.45	5,855.43	248.01	24.609		
10,000.00	7,243.87	7,274.87	7,274.87	121.71	145.94	48.06	-5,638.07	-9,332.42	6,026.21	5,775.91	250.30	24.076		
10,100.00	7,280.34	7,311.34	7,311.34	123.32	146.67	44.82	-5,638.07	-9,332.42	5,939.37	5,687.26	252.11	23.559		
10,200.00	7,305.62	7,336.62	7,336.62	124.84	147.18	41.88	-5,638.07	-9,332.42	5,845.40	5,592.03	253.36	23.071		
10,300.00	7,318.93	7,349.93	7,349.93	126.22	147.45	34.62	-5,638.07	-9,332.42	5,747.02	5,493.01	254.00	22.626		
10,400.00	7,321.00	7,352.00	7,352.00	127.44	147.49	-90.00	-5,638.07	-9,332.42	5,647.10	5,393.04	254.06	22.228		
10,500.00	7,321.00	7,352.00	7,352.00	128.66	147.49	-90.00	-5,638.07	-9,332.42	5,547.12	5,293.12	254.00	21.839		
10,600.00	7,321.00	7,352.00	7,352.00	129.91	147.49	-90.00	-5,638.07	-9,332.42	5,447.14	5,193.20	253.94	21.451		
10,700.00	7,321.00	7,352.00	7,352.00	131.19	147.49	-90.00	-5,638.07	-9,332.42	5,347.17	5,093.29	253.87	21.062		
10,800.00	7,321.00	7,352.00	7,352.00	132.51	147.49	-90.00	-5,638.07	-9,332.42	5,247.19	4,993.38	253.81	20.674		
10,900.00	7,321.00	7,352.00	7,352.00	133.87	147.49	-90.00	-5,638.07	-9,332.42	5,147.22	4,893.48	253.74	20.285		
11,000.00	7,321.00	7,352.00	7,352.00	135.26	147.49	-90.00	-5,638.07	-9,332.42	5,047.25	4,793.58	253.67	19.897		
11,100.00	7,321.00	7,352.00	7,352.00	136.68	147.49	-90.00	-5,638.07	-9,332.42	4,947.27	4,693.68	253.59	19.509		
11,200.00	7,321.00	7,352.00	7,352.00	138.14	147.49	-90.00	-5,638.07	-9,332.42	4,847.30	4,593.79	253.52	19.120		
11,300.00	7,321.00	7,352.00	7,352.00	139.63	147.49	-90.00	-5,638.07	-9,332.42	4,747.33	4,493.90	253.44	18.732		
11,400.00	7,321.00	7,352.00	7,352.00	141.15	147.49	-90.00	-5,638.07	-9,332.42	4,647.37	4,394.01	253.35	18.344		
11,500.00	7,321.00	7,352.00	7,352.00	142.70	147.49	-90.00	-5,638.07	-9,332.42	4,547.40	4,294.14	253.26	17.955		
11,600.00	7,321.00	7,352.00	7,352.00	144.29	147.49	-90.00	-5,638.07	-9,332.42	4,447.44	4,194.27	253.17	17.567		
11,700.00	7,321.00	7,352.00	7,352.00	145.91	147.49	-90.00	-5,638.07	-9,332.42	4,347.47	4,094.40	253.07	17.179		
11,800.00	7,321.00	7,352.00	7,352.00	147.55	147.49	-90.00	-5,638.07	-9,332.42	4,247.51	3,994.54	252.97	16.791		
11,900.00	7,321.00	7,352.00	7,352.00	149.23	147.49	-90.00	-5,638.07	-9,332.42	4,147.55	3,894.69	252.86	16.402		
12,000.00	7,321.00	7,352.00	7,352.00	150.93	147.49	-90.00	-5,638.07	-9,332.42	4,047.59	3,794.84	252.75	16.014		
12,100.00	7,321.00	7,352.00	7,352.00	152.67	147.49	-90.00	-5,638.07	-9,332.42	3,947.64	3,695.01	252.63	15.626		
12,200.00	7,321.00	7,352.00	7,352.00	154.43	147.49	-90.00	-5,638.07	-9,332.42	3,847.68	3,595.18	252.50	15.238		
12,300.00	7,321.00	7,352.00	7,352.00	156.22	147.49	-90.00	-5,638.07	-9,332.42	3,747.73	3,495.36	252.37	14.850		
12,400.00	7,321.00	7,352.00	7,352.00	158.04	147.49	-90.00	-5,638.07	-9,332.42	3,647.79	3,395.56	252.23	14.462		
12,500.00	7,321.00	7,352.00	7,352.00	159.88	147.49	-90.00	-5,638.07	-9,332.42	3,547.84	3,295.76	252.08	14.074		
12,600.00	7,321.00	7,352.00	7,352.00	161.75	147.49	-90.00	-5,638.07	-9,332.42	3,447.90	3,195.98	251.92	13.686		
12,700.00	7,321.00	7,352.00	7,352.00	163.64	147.49	-90.00	-5,638.07	-9,332.42	3,347.96	3,096.21	251.75	13.299		
12,800.00	7,321.00	7,352.00	7,352.00	165.56	147.49	-90.00	-5,638.07	-9,332.42	3,248.03	2,996.45	251.57	12.911		
12,900.00	7,321.00	7,352.00	7,352.00	167.49	147.49	-90.00	-5,638.07	-9,332.42	3,148.10	2,896.71	251.38	12.523		
13,000.00	7,321.00	7,352.00	7,352.00	169.46	147.49	-90.00	-5,638.07	-9,332.42	3,048.17	2,796.99	251.18	12.135		
13,100.00	7,321.00	7,352.00	7,352.00	171.44	147.49	-90.00	-5,638.07	-9,332.42	2,948.25	2,697.29	250.96	11.748		
13,200.00	7,321.00	7,352.00	7,352.00	173.45	147.49	-90.00	-5,638.07	-9,332.42	2,848.33	2,597.61	250.73	11.360		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,321.00	7,352.00	7,352.00	175.47	147.49	-90.00	-5,638.07	-9,332.42	2,748.42	2,497.95	250.47	10.973		
13,400.00	7,321.00	7,352.00	7,352.00	177.52	147.49	-90.00	-5,638.07	-9,332.42	2,648.52	2,398.32	250.20	10.586		
13,500.00	7,321.00	7,352.00	7,352.00	179.58	147.49	-90.00	-5,638.07	-9,332.42	2,548.63	2,298.72	249.91	10.198		
13,600.00	7,321.00	7,352.00	7,352.00	181.67	147.49	-90.00	-5,638.07	-9,332.42	2,448.74	2,199.16	249.59	9.811		
13,700.00	7,321.00	7,352.00	7,352.00	183.77	147.49	-90.00	-5,638.07	-9,332.42	2,348.87	2,099.63	249.24	9.424		
13,800.00	7,321.00	7,352.00	7,352.00	185.89	147.49	-90.00	-5,638.07	-9,332.42	2,249.00	2,000.14	248.86	9.037		
13,900.00	7,321.00	7,352.00	7,352.00	188.02	147.49	-90.00	-5,638.07	-9,332.42	2,149.15	1,900.70	248.45	8.650		
14,000.00	7,321.00	7,352.00	7,352.00	190.18	147.49	-90.00	-5,638.07	-9,332.42	2,049.31	1,801.32	247.99	8.264		
14,100.00	7,321.00	7,352.00	7,352.00	192.35	147.49	-90.00	-5,638.07	-9,332.42	1,949.49	1,702.00	247.49	7.877		
14,200.00	7,321.00	7,352.00	7,352.00	194.53	147.49	-90.00	-5,638.07	-9,332.42	1,849.68	1,602.76	246.93	7.491		
14,300.00	7,321.00	7,352.00	7,352.00	196.73	147.49	-90.00	-5,638.07	-9,332.42	1,749.90	1,503.60	246.31	7.105		
14,400.00	7,321.00	7,352.00	7,352.00	198.95	147.49	-90.00	-5,638.07	-9,332.42	1,650.15	1,404.54	245.61	6.719		
14,500.00	7,321.00	7,352.00	7,352.00	201.17	147.49	-90.00	-5,638.07	-9,332.42	1,550.43	1,305.61	244.82	6.333		
14,600.00	7,321.00	7,352.00	7,352.00	203.42	147.49	-90.00	-5,638.07	-9,332.42	1,450.75	1,206.82	243.93	5.948		
14,700.00	7,321.00	7,352.00	7,352.00	205.67	147.49	-90.00	-5,638.07	-9,332.42	1,351.11	1,108.21	242.90	5.562		
14,800.00	7,321.00	7,352.00	7,352.00	207.94	147.49	-90.00	-5,638.07	-9,332.42	1,251.53	1,009.82	241.72	5.178		
14,900.00	7,321.00	7,352.00	7,352.00	210.22	147.49	-90.00	-5,638.07	-9,332.42	1,152.03	911.69	240.33	4.793		
15,000.00	7,321.00	7,352.00	7,352.00	212.51	147.49	-90.00	-5,638.07	-9,332.42	1,052.61	813.91	238.70	4.410		
15,100.00	7,321.00	7,352.00	7,352.00	214.81	147.49	-90.00	-5,638.07	-9,332.42	953.33	716.58	236.74	4.027		
15,200.00	7,321.00	7,352.00	7,352.00	217.12	147.49	-90.00	-5,638.07	-9,332.42	854.20	619.84	234.37	3.645		
15,300.00	7,321.00	7,352.00	7,352.00	219.45	147.49	-90.00	-5,638.07	-9,332.42	755.31	523.88	231.43	3.264		
15,400.00	7,321.00	7,352.00	7,352.00	221.78	147.49	-90.00	-5,638.07	-9,332.42	656.76	429.02	227.74	2.884		
15,500.00	7,321.00	7,352.00	7,352.00	224.13	147.49	-90.00	-5,638.07	-9,332.42	558.71	335.69	223.02	2.505		
15,600.00	7,321.00	7,352.00	7,352.00	226.48	147.49	-90.00	-5,638.07	-9,332.42	461.51	244.47	217.04	2.126		
15,700.00	7,321.00	7,352.00	7,352.00	228.85	147.49	-90.00	-5,638.07	-9,332.42	365.82	155.65	210.17	1.741		
15,800.00	7,321.00	7,352.00	7,352.00	231.22	147.49	-90.00	-5,638.07	-9,332.42	273.24	65.87	207.37	1.318	Level 3	
15,900.00	7,321.00	7,352.00	7,352.00	233.60	147.49	-90.00	-5,638.07	-9,332.42	188.39	-44.08	232.47	0.810	Level 1	
16,000.00	7,321.00	7,352.00	7,352.00	235.99	147.49	-90.00	-5,638.07	-9,332.42	127.77	-193.29	321.07	0.398	Level 1	
16,045.84	7,321.00	7,352.00	7,352.00	237.09	147.49	-90.00	-5,638.07	-9,332.42	119.27	-247.26	366.53	0.325	Level 1, CC, SF	
16,100.00	7,321.00	7,352.00	7,352.00	238.39	147.49	-90.00	-5,638.07	-9,332.42	130.99	-254.83	385.82	0.340	Level 1, ES	
16,200.00	7,321.00	7,352.00	7,352.00	240.79	147.49	-90.00	-5,638.07	-9,332.42	194.91	-164.42	359.33	0.542	Level 1	
16,300.00	7,321.00	7,352.00	7,352.00	243.21	147.49	-90.00	-5,638.07	-9,332.42	280.76	-51.23	331.99	0.846	Level 1	
16,400.00	7,321.00	7,352.00	7,352.00	245.63	147.49	-90.00	-5,638.07	-9,332.42	373.71	58.91	314.80	1.187	Level 2	
16,500.00	7,321.00	7,352.00	7,352.00	248.06	147.49	-90.00	-5,638.07	-9,332.42	469.56	165.81	303.75	1.546		
16,600.00	7,321.00	7,352.00	7,352.00	250.49	147.49	-90.00	-5,638.07	-9,332.42	566.85	270.64	296.22	1.914		
16,700.00	7,321.00	7,352.00	7,352.00	252.93	147.49	-90.00	-5,638.07	-9,332.42	664.95	374.16	290.79	2.287		
16,800.00	7,321.00	7,352.00	7,352.00	255.38	147.49	-90.00	-5,638.07	-9,332.42	763.54	476.81	286.72	2.663		
16,900.00	7,321.00	7,352.00	7,352.00	257.84	147.49	-90.00	-5,638.07	-9,332.42	862.45	578.88	283.57	3.041		
17,000.00	7,321.00	7,352.00	7,352.00	260.30	147.49	-90.00	-5,638.07	-9,332.42	961.59	680.54	281.05	3.421		
17,100.00	7,321.00	7,352.00	7,352.00	262.76	147.49	-90.00	-5,638.07	-9,332.42	1,060.89	781.88	279.01	3.802		
17,200.00	7,321.00	7,352.00	7,352.00	265.24	147.49	-90.00	-5,638.07	-9,332.42	1,160.31	883.00	277.31	4.184		
17,300.00	7,321.00	7,352.00	7,352.00	267.72	147.49	-90.00	-5,638.07	-9,332.42	1,259.82	983.94	275.88	4.567		
17,400.00	7,321.00	7,352.00	7,352.00	270.20	147.49	-90.00	-5,638.07	-9,332.42	1,359.41	1,084.74	274.67	4.949		
17,500.00	7,321.00	7,352.00	7,352.00	272.69	147.49	-90.00	-5,638.07	-9,332.42	1,459.05	1,185.43	273.62	5.332		
17,600.00	7,321.00	7,352.00	7,352.00	275.18	147.49	-90.00	-5,638.07	-9,332.42	1,558.73	1,286.03	272.71	5.716		
17,700.00	7,321.00	7,352.00	7,352.00	277.68	147.49	-90.00	-5,638.07	-9,332.42	1,658.46	1,386.55	271.91	6.099		
17,800.00	7,321.00	7,352.00	7,352.00	280.19	147.49	-90.00	-5,638.07	-9,332.42	1,758.21	1,487.01	271.20	6.483		
17,900.00	7,321.00	7,352.00	7,352.00	282.71	147.49	-90.00	-5,638.07	-9,332.42	1,857.81	1,587.46	270.35	6.872		
18,000.00	7,321.00	7,352.00	7,352.00	285.26	147.49	-90.00	-5,638.07	-9,332.42	1,957.12	1,687.84	269.28	7.268		
18,100.00	7,321.00	7,352.00	7,352.00	287.83	147.49	-90.00	-5,638.07	-9,332.42	2,056.05	1,788.03	268.01	7.671		
18,200.00	7,321.00	7,352.00	7,352.00	290.41	147.49	-90.00	-5,638.07	-9,332.42	2,154.54	1,887.96	266.58	8.082		
18,300.00	7,321.00	7,352.00	7,352.00	293.00	147.49	-90.00	-5,638.07	-9,332.42	2,252.57	1,987.56	265.01	8.500		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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	
18,400.00	7,321.00	7,352.00	7,352.00	295.59	147.49	-90.00	-5,638.07	-9,332.42	2,350.57	2,087.06	263.50	8.920	
18,500.00	7,321.00	7,352.00	7,352.00	298.19	147.49	-90.00	-5,638.07	-9,332.42	2,448.72	2,186.60	262.12	9.342	
18,600.00	7,321.00	7,352.00	7,352.00	300.78	147.49	-90.00	-5,638.07	-9,332.42	2,547.03	2,286.18	260.85	9.764	
18,700.00	7,321.00	7,352.00	7,352.00	303.38	147.49	-90.00	-5,638.07	-9,332.42	2,645.45	2,385.78	259.67	10.188	
18,800.00	7,321.00	7,352.00	7,352.00	305.98	147.49	-90.00	-5,638.07	-9,332.42	2,744.00	2,485.41	258.59	10.611	
18,900.00	7,321.00	7,352.00	7,352.00	308.58	147.49	-90.00	-5,638.07	-9,332.42	2,842.64	2,585.05	257.58	11.036	
19,000.00	7,321.00	7,352.00	7,352.00	311.18	147.49	-90.00	-5,638.07	-9,332.42	2,941.37	2,684.72	256.65	11.461	
19,100.00	7,321.00	7,352.00	7,352.00	313.78	147.49	-90.00	-5,638.07	-9,332.42	3,040.19	2,784.41	255.78	11.886	
19,200.00	7,321.00	7,352.00	7,352.00	316.39	147.49	-90.00	-5,638.07	-9,332.42	3,139.08	2,884.11	254.97	12.311	
19,300.00	7,321.00	7,352.00	7,352.00	318.99	147.49	-90.00	-5,638.07	-9,332.42	3,238.05	2,983.83	254.22	12.737	
19,400.00	7,321.00	7,352.00	7,352.00	321.60	147.49	-90.00	-5,638.07	-9,332.42	3,337.07	3,083.56	253.51	13.163	
19,500.00	7,321.00	7,352.00	7,352.00	324.21	147.49	-90.00	-5,638.07	-9,332.42	3,436.15	3,183.30	252.85	13.590	
19,600.00	7,321.00	7,352.00	7,352.00	326.81	147.49	-90.00	-5,638.07	-9,332.42	3,535.53	3,283.20	252.33	14.011	
19,700.00	7,321.00	7,352.00	7,352.00	329.42	147.49	-90.00	-5,638.07	-9,332.42	3,635.26	3,383.25	252.01	14.425	
19,800.00	7,321.00	7,352.00	7,352.00	332.01	147.49	-90.00	-5,638.07	-9,332.42	3,735.19	3,483.32	251.87	14.830	
19,900.00	7,321.00	7,352.00	7,352.00	334.60	147.49	90.00	-5,638.07	-9,332.42	3,835.18	3,583.28	251.90	15.225	
20,000.00	7,321.00	7,352.00	7,352.00	337.16	147.49	90.00	-5,638.07	-9,332.42	3,935.12	3,683.04	252.08	15.611	
20,100.00	7,321.00	7,352.00	7,352.00	339.72	147.49	90.00	-5,638.07	-9,332.42	4,034.98	3,782.64	252.34	15.990	
20,200.00	7,321.00	7,352.00	7,352.00	342.28	147.49	90.00	-5,638.07	-9,332.42	4,134.84	3,882.25	252.60	16.369	
20,300.00	7,321.00	7,352.00	7,352.00	344.84	147.49	90.00	-5,638.07	-9,332.42	4,234.71	3,981.87	252.84	16.749	
20,400.00	7,321.00	7,352.00	7,352.00	347.40	147.49	90.00	-5,638.07	-9,332.42	4,334.59	4,081.51	253.08	17.128	
20,500.00	7,321.00	7,352.00	7,352.00	349.97	147.49	90.00	-5,638.07	-9,332.42	4,434.47	4,181.17	253.30	17.507	
20,540.60	7,321.00	7,352.00	7,352.00	351.01	147.49	90.00	-5,638.07	-9,332.42	4,475.03	4,221.64	253.39	17.661	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	2,001.97	1,973.97	1,973.97	11.22	6.88	21.98	-6,961.04	-7,795.28	9,985.33	9,970.34	14.99	665.927		
2,200.00	2,083.88	2,055.88	2,055.88	12.23	7.17	22.59	-6,961.04	-7,795.28	9,930.96	9,915.18	15.78	629.447		
2,300.00	2,163.74	2,135.74	2,135.74	13.29	7.46	23.26	-6,961.04	-7,795.28	9,873.94	9,857.38	16.56	596.101		
2,400.00	2,241.45	2,213.45	2,213.45	14.40	7.74	24.00	-6,961.04	-7,795.28	9,814.36	9,797.00	17.36	565.504		
2,500.00	2,316.92	2,288.92	2,288.92	15.57	8.01	24.81	-6,961.04	-7,795.28	9,752.29	9,734.14	18.15	537.335		
2,600.00	2,390.05	2,362.05	2,362.05	16.78	8.27	25.69	-6,961.04	-7,795.28	9,687.82	9,668.87	18.95	511.320		
2,700.00	2,460.76	2,432.76	2,432.76	18.05	8.52	26.66	-6,961.04	-7,795.28	9,621.03	9,601.28	19.75	487.223		
2,800.00	2,528.95	2,500.95	2,500.95	19.37	8.77	27.72	-6,961.04	-7,795.28	9,552.00	9,531.46	20.55	464.845		
2,900.00	2,595.08	2,567.08	2,567.08	20.72	9.01	28.26	-6,961.04	-7,795.28	9,481.27	9,459.92	21.35	444.010		
3,000.00	2,661.04	2,633.04	2,633.04	22.08	9.24	28.46	-6,961.04	-7,795.28	9,410.46	9,388.29	22.17	424.558		
3,100.00	2,726.99	2,698.99	2,698.99	23.46	9.48	28.67	-6,961.04	-7,795.28	9,339.71	9,316.72	22.99	406.265		
3,200.00	2,792.94	2,764.94	2,764.94	24.84	9.71	28.87	-6,961.04	-7,795.28	9,269.04	9,245.21	23.82	389.049		
3,300.00	2,858.90	2,830.90	2,830.90	26.22	9.95	29.08	-6,961.04	-7,795.28	9,198.43	9,173.76	24.67	372.834		
3,400.00	2,924.85	2,896.85	2,896.85	27.61	10.19	29.30	-6,961.04	-7,795.28	9,127.90	9,102.37	25.53	357.546		
3,500.00	2,990.81	2,962.81	2,962.81	29.00	10.42	29.51	-6,961.04	-7,795.28	9,057.45	9,031.05	26.40	343.120		
3,600.00	3,056.76	3,028.76	3,028.76	30.40	10.66	29.73	-6,961.04	-7,795.28	8,987.07	8,959.79	27.28	329.491		
3,700.00	3,122.71	3,094.71	3,094.71	31.80	10.90	29.95	-6,961.04	-7,795.28	8,916.76	8,888.60	28.16	316.604		
3,800.00	3,188.67	3,160.67	3,160.67	33.20	11.13	30.18	-6,961.04	-7,795.28	8,846.54	8,817.48	29.06	304.404		
3,900.00	3,254.62	3,226.62	3,226.62	34.60	11.37	30.41	-6,961.04	-7,795.28	8,776.40	8,746.43	29.97	292.843		
4,000.00	3,320.58	3,292.58	3,292.58	36.01	11.61	30.64	-6,961.04	-7,795.28	8,706.34	8,675.46	30.89	281.877		
4,100.00	3,386.53	3,358.53	3,358.53	37.41	11.84	30.87	-6,961.04	-7,795.28	8,636.37	8,604.56	31.81	271.464		
4,200.00	3,452.48	3,424.48	3,424.48	38.82	12.08	31.11	-6,961.04	-7,795.28	8,566.49	8,533.74	32.75	261.566		
4,300.00	3,518.44	3,490.44	3,490.44	40.23	12.32	31.35	-6,961.04	-7,795.28	8,496.70	8,463.00	33.70	252.150		
4,400.00	3,584.39	3,556.39	3,556.39	41.64	12.55	31.60	-6,961.04	-7,795.28	8,427.00	8,392.35	34.65	243.183		
4,500.00	3,650.35	3,622.35	3,622.35	43.05	12.79	31.84	-6,961.04	-7,795.28	8,357.39	8,321.77	35.62	234.635		
4,600.00	3,716.30	3,688.30	3,688.30	44.46	13.02	32.10	-6,961.04	-7,795.28	8,287.89	8,251.29	36.59	226.481		
4,700.00	3,782.25	3,754.25	3,754.25	45.88	13.26	32.35	-6,961.04	-7,795.28	8,218.48	8,180.90	37.58	218.695		
4,800.00	3,848.21	3,820.21	3,820.21	47.29	13.50	32.61	-6,961.04	-7,795.28	8,149.17	8,110.60	38.58	211.254		
4,900.00	3,914.16	3,886.16	3,886.16	48.71	13.73	32.87	-6,961.04	-7,795.28	8,079.97	8,040.39	39.58	204.137		
5,000.00	3,980.12	3,952.12	3,952.12	50.12	13.97	33.14	-6,961.04	-7,795.28	8,010.88	7,970.28	40.60	197.326		
5,100.00	4,046.07	4,018.07	4,018.07	51.54	14.21	33.41	-6,961.04	-7,795.28	7,941.89	7,900.27	41.62	190.801		
5,200.00	4,112.02	4,084.02	4,084.02	52.95	14.44	33.68	-6,961.04	-7,795.28	7,873.02	7,830.36	42.66	184.546		
5,300.00	4,177.98	4,149.98	4,149.98	54.37	14.68	33.96	-6,961.04	-7,795.28	7,804.27	7,760.56	43.71	178.547		
5,400.00	4,243.93	4,215.93	4,215.93	55.79	14.92	34.24	-6,961.04	-7,795.28	7,735.63	7,690.86	44.77	172.788		
5,500.00	4,309.89	4,281.89	4,281.89	57.21	15.15	34.53	-6,961.04	-7,795.28	7,667.12	7,621.28	45.84	167.256		
5,600.00	4,375.84	4,347.84	4,347.84	58.63	15.39	34.82	-6,961.04	-7,795.28	7,598.73	7,551.81	46.92	161.939		
5,700.00	4,441.79	4,413.79	4,413.79	60.05	15.63	35.11	-6,961.04	-7,795.28	7,530.48	7,482.46	48.02	156.826		
5,800.00	4,507.75	4,479.75	4,479.75	61.47	15.86	35.41	-6,961.04	-7,795.28	7,462.35	7,413.23	49.12	151.906		
5,900.00	4,573.70	4,545.70	4,545.70	62.89	16.10	35.71	-6,961.04	-7,795.28	7,394.36	7,344.12	50.24	147.169		
6,000.00	4,639.66	4,611.66	4,611.66	64.31	16.33	36.02	-6,961.04	-7,795.28	7,326.52	7,275.14	51.38	142.606		
6,100.00	4,705.61	4,677.61	4,677.61	65.73	16.57	36.33	-6,961.04	-7,795.28	7,258.81	7,206.29	52.52	138.208		
6,200.00	4,771.56	4,743.56	4,743.56	67.15	16.81	36.65	-6,961.04	-7,795.28	7,191.26	7,137.58	53.68	133.967		
6,300.00	4,837.52	4,809.52	4,809.52	68.57	17.04	36.97	-6,961.04	-7,795.28	7,123.85	7,069.00	54.85	129.876		
6,400.00	4,903.47	4,875.47	4,875.47	69.99	17.28	37.30	-6,961.04	-7,795.28	7,056.61	7,000.57	56.04	125.927		
6,500.00	4,969.43	4,941.43	4,941.43	71.41	17.52	37.63	-6,961.04	-7,795.28	6,989.52	6,932.29	57.24	122.114		
6,600.00	5,035.38	5,007.38	5,007.38	72.83	17.75	37.97	-6,961.04	-7,795.28	6,922.61	6,864.15	58.45	118.431		
6,700.00	5,101.33	5,073.33	5,073.33	74.25	17.99	38.31	-6,961.04	-7,795.28	6,855.86	6,796.17	59.68	114.871		
6,800.00	5,167.29	5,139.29	5,139.29	75.67	18.23	38.66	-6,961.04	-7,795.28	6,789.29	6,728.36	60.93	111.430		
6,900.00	5,233.24	5,205.24	5,205.24	77.10	18.46	39.01	-6,961.04	-7,795.28	6,722.90	6,660.71	62.19	108.102		
7,000.00	5,299.20	5,271.20	5,271.20	78.52	18.70	39.37	-6,961.04	-7,795.28	6,656.69	6,593.22	63.47	104.883		
7,100.00	5,365.15	5,337.15	5,337.15	79.94	18.94	39.73	-6,961.04	-7,795.28	6,590.68	6,525.92	64.76	101.767		
7,200.00	5,431.10	5,403.10	5,403.10	81.36	19.17	40.10	-6,961.04	-7,795.28	6,524.87	6,458.79	66.07	98.751		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	5,497.06	5,469.06	5,469.06	82.79	19.41	40.48	-6,961.04	-7,795.28	6,459.26	6,391.86	67.40	95.830		
7,400.00	5,563.01	5,535.01	5,535.01	84.21	19.64	40.86	-6,961.04	-7,795.28	6,393.86	6,325.11	68.75	93.001		
7,500.00	5,628.97	5,600.97	5,600.97	85.63	19.88	41.24	-6,961.04	-7,795.28	6,328.68	6,258.56	70.12	90.260		
7,600.00	5,694.92	5,666.92	5,666.92	87.06	20.12	41.64	-6,961.04	-7,795.28	6,263.72	6,192.22	71.50	87.603		
7,700.00	5,760.87	5,732.87	5,732.87	88.48	20.35	42.03	-6,961.04	-7,795.28	6,198.99	6,126.09	72.91	85.028		
7,800.00	5,826.83	5,798.83	5,798.83	89.90	20.59	42.44	-6,961.04	-7,795.28	6,134.50	6,060.18	74.33	82.532		
7,900.00	5,892.78	5,864.78	5,864.78	91.33	20.83	42.85	-6,961.04	-7,795.28	6,070.26	5,994.49	75.77	80.110		
8,000.00	5,958.74	5,930.74	5,930.74	92.75	21.06	43.27	-6,961.04	-7,795.28	6,006.27	5,929.03	77.24	77.762		
8,100.00	6,024.69	5,996.69	5,996.69	94.17	21.30	43.69	-6,961.04	-7,795.28	5,942.54	5,863.82	78.73	75.484		
8,200.00	6,090.64	6,062.64	6,062.64	95.60	21.54	44.12	-6,961.04	-7,795.28	5,879.09	5,798.85	80.24	73.273		
8,300.00	6,156.60	6,128.60	6,128.60	97.02	21.77	44.56	-6,961.04	-7,795.28	5,815.91	5,734.14	81.77	71.128		
8,400.00	6,222.55	6,194.55	6,194.55	98.45	22.01	45.01	-6,961.04	-7,795.28	5,753.02	5,669.69	83.32	69.046		
8,500.00	6,288.51	6,260.51	6,260.51	99.87	22.24	45.46	-6,961.04	-7,795.28	5,690.42	5,605.52	84.90	67.025		
8,600.00	6,354.46	6,326.46	6,326.46	101.29	22.48	45.92	-6,961.04	-7,795.28	5,628.14	5,541.64	86.50	65.064		
8,700.00	6,420.41	6,392.41	6,392.41	102.72	22.72	46.39	-6,961.04	-7,795.28	5,566.17	5,478.04	88.13	63.159		
8,800.00	6,486.37	6,458.37	6,458.37	104.14	22.95	46.86	-6,961.04	-7,795.28	5,504.53	5,414.75	89.78	61.310		
8,900.00	6,552.32	6,524.32	6,524.32	105.57	23.19	47.34	-6,961.04	-7,795.28	5,443.24	5,351.78	91.46	59.514		
9,000.00	6,618.28	6,590.28	6,590.28	106.99	23.43	47.83	-6,961.04	-7,795.28	5,382.29	5,289.12	93.17	57.771		
9,100.00	6,684.23	6,656.23	6,656.23	108.42	23.66	48.32	-6,961.04	-7,795.28	5,321.71	5,226.81	94.90	56.078		
9,200.00	6,750.18	6,722.18	6,722.18	109.84	23.90	48.83	-6,961.04	-7,795.28	5,261.50	5,164.84	96.66	54.434		
9,300.00	6,816.14	6,788.14	6,788.14	111.26	24.14	49.34	-6,961.04	-7,795.28	5,201.68	5,103.24	98.45	52.838		
9,400.00	6,882.09	6,854.09	6,854.09	112.69	24.37	49.86	-6,961.04	-7,795.28	5,142.27	5,042.01	100.26	51.288		
9,500.00	6,948.05	6,920.05	6,920.05	114.11	24.61	50.39	-6,961.04	-7,795.28	5,083.27	4,981.16	102.11	49.782		
9,600.00	7,014.00	6,986.00	6,986.00	115.54	24.85	50.93	-6,961.04	-7,795.28	5,024.71	4,920.72	103.99	48.321		
9,700.00	7,079.88	7,051.88	7,051.88	116.97	25.08	51.46	-6,961.04	-7,795.28	4,966.39	4,860.50	105.89	46.902		
9,800.00	7,145.83	7,117.83	7,117.83	118.40	25.32	51.99	-6,961.04	-7,795.28	4,908.02	4,792.40	107.82	45.530		
9,900.00	7,211.78	7,183.78	7,183.78	119.83	25.56	52.52	-6,961.04	-7,795.28	4,849.64	4,728.36	109.81	44.239		
10,000.00	7,277.73	7,249.73	7,249.73	121.26	25.80	53.05	-6,961.04	-7,795.28	4,791.26	4,667.98	111.81	43.065		
10,100.00	7,343.68	7,315.68	7,315.68	122.69	26.04	53.58	-6,961.04	-7,795.28	4,732.88	4,609.60	113.81	41.938		
10,200.00	7,409.63	7,381.63	7,381.63	124.12	26.28	54.11	-6,961.04	-7,795.28	4,674.50	4,551.22	115.81	40.860		
10,300.00	7,475.58	7,447.58	7,447.58	125.55	26.52	54.64	-6,961.04	-7,795.28	4,616.12	4,492.84	117.81	39.832		
10,400.00	7,541.53	7,513.53	7,513.53	126.98	26.76	55.17	-6,961.04	-7,795.28	4,557.74	4,434.46	119.81	38.854		
10,500.00	7,607.48	7,579.48	7,579.48	128.41	27.00	55.70	-6,961.04	-7,795.28	4,499.36	4,376.08	121.81	37.926		
10,600.00	7,673.43	7,645.43	7,645.43	129.84	27.24	56.23	-6,961.04	-7,795.28	4,440.98	4,317.70	123.81	37.048		
10,700.00	7,739.38	7,711.38	7,711.38	131.27	27.48	56.76	-6,961.04	-7,795.28	4,382.60	4,259.32	125.81	36.220		
10,800.00	7,805.33	7,777.33	7,777.33	132.70	27.72	57.29	-6,961.04	-7,795.28	4,324.22	4,200.94	127.81	35.442		
10,900.00	7,871.28	7,843.28	7,843.28	134.13	27.96	57.82	-6,961.04	-7,795.28	4,265.84	4,142.56	129.81	34.714		
11,000.00	7,937.23	7,909.23	7,909.23	135.56	28.20	58.35	-6,961.04	-7,795.28	4,207.46	4,084.18	131.81	34.036		
11,100.00	8,003.18	7,975.18	7,975.18	136.99	28.44	58.88	-6,961.04	-7,795.28	4,149.08	4,025.80	133.81	33.408		
11,200.00	8,069.13	8,041.13	8,041.13	138.42	28.68	59.41	-6,961.04	-7,795.28	4,090.70	3,967.42	135.81	32.830		
11,300.00	8,135.08	8,107.08	8,107.08	139.85	28.92	59.94	-6,961.04	-7,795.28	4,032.32	3,909.04	137.81	32.302		
11,400.00	8,201.03	8,173.03	8,173.03	141.28	29.16	60.47	-6,961.04	-7,795.28	3,973.94	3,850.66	139.81	31.824		
11,500.00	8,266.98	8,238.98	8,238.98	142.71	29.40	61.00	-6,961.04	-7,795.28	3,915.56	3,792.28	141.81	31.396		
11,600.00	8,332.93	8,304.93	8,304.93	144.14	29.64	61.53	-6,961.04	-7,795.28	3,857.18	3,733.90	143.81	31.018		
11,700.00	8,398.88	8,370.88	8,370.88	145.57	29.88	62.06	-6,961.04	-7,795.28	3,798.80	3,675.52	145.81	30.690		
11,800.00	8,464.83	8,436.83	8,436.83	147.00	30.12	62.59	-6,961.04	-7,795.28	3,740.42	3,617.14	147.81	30.362		
11,900.00	8,530.78	8,502.78	8,502.78	148.43	30.36	63.12	-6,961.04	-7,795.28	3,682.04	3,558.76	149.81	30.034		
12,000.00	8,596.73	8,568.73	8,568.73	149.86	30.60	63.65	-6,961.04	-7,795.28	3,623.66	3,500.38	151.81	29.756		
12,100.00	8,662.68	8,634.68	8,634.68	151.29	30.84	64.18	-6,961.04	-7,795.28	3,565.28	3,442.00	153.81	29.528		
12,200.00	8,728.63	8,700.63	8,700.63	152.72	31.08	64.71	-6,961.04	-7,795.28	3,506.90	3,383.62	155.81	29.300		
12,300.00	8,794.58	8,766.58	8,766.58	154.15	31.32	65.24	-6,961.04	-7,795.28	3,448.52	3,325.24	157.81	29.072		
12,400.00	8,860.53	8,832.53	8,832.53	155.58	31.56	65.77	-6,961.04	-7,795.28	3,390.14	3,266.86	159.81	28.844		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,321.00	7,293.00	7,293.00	159.88	25.95	-90.00	-6,961.04	-7,795.28	2,473.40	2,397.50	75.90	32.586		
12,600.00	7,321.00	7,293.00	7,293.00	161.75	25.95	-90.00	-6,961.04	-7,795.28	2,392.88	2,317.33	75.56	31.670		
12,700.00	7,321.00	7,293.00	7,293.00	163.64	25.95	-90.00	-6,961.04	-7,795.28	2,313.89	2,238.09	75.80	30.527		
12,800.00	7,321.00	7,293.00	7,293.00	165.56	25.95	-90.00	-6,961.04	-7,795.28	2,236.57	2,159.83	76.75	29.142		
12,900.00	7,321.00	7,293.00	7,293.00	167.49	25.95	-90.00	-6,961.04	-7,795.28	2,161.12	2,082.62	78.50	27.529		
13,000.00	7,321.00	7,293.00	7,293.00	169.46	25.95	-90.00	-6,961.04	-7,795.28	2,087.73	2,006.58	81.15	25.727		
13,100.00	7,321.00	7,293.00	7,293.00	171.44	25.95	-90.00	-6,961.04	-7,795.28	2,016.64	1,931.90	84.73	23.800		
13,200.00	7,321.00	7,293.00	7,293.00	173.45	25.95	-90.00	-6,961.04	-7,795.28	1,948.08	1,858.81	89.27	21.823		
13,300.00	7,321.00	7,293.00	7,293.00	175.47	25.95	-90.00	-6,961.04	-7,795.28	1,882.34	1,787.60	94.74	19.869		
13,400.00	7,321.00	7,293.00	7,293.00	177.52	25.95	-90.00	-6,961.04	-7,795.28	1,819.72	1,718.60	101.11	17.997		
13,500.00	7,321.00	7,293.00	7,293.00	179.58	25.95	-90.00	-6,961.04	-7,795.28	1,760.56	1,652.22	108.34	16.250		
13,600.00	7,321.00	7,293.00	7,293.00	181.67	25.95	-90.00	-6,961.04	-7,795.28	1,705.21	1,588.86	116.35	14.656		
13,700.00	7,321.00	7,293.00	7,293.00	183.77	25.95	-90.00	-6,961.04	-7,795.28	1,654.06	1,529.00	125.06	13.226		
13,800.00	7,321.00	7,293.00	7,293.00	185.89	25.95	-90.00	-6,961.04	-7,795.28	1,607.52	1,473.14	134.38	11.963		
13,900.00	7,321.00	7,293.00	7,293.00	188.02	25.95	-90.00	-6,961.04	-7,795.28	1,565.98	1,421.81	144.17	10.862		
14,000.00	7,321.00	7,293.00	7,293.00	190.18	25.95	-90.00	-6,961.04	-7,795.28	1,529.86	1,375.55	154.31	9.914		
14,100.00	7,321.00	7,293.00	7,293.00	192.35	25.95	-90.00	-6,961.04	-7,795.28	1,499.56	1,334.93	164.62	9.109		
14,200.00	7,321.00	7,293.00	7,293.00	194.53	25.95	-90.00	-6,961.04	-7,795.28	1,475.42	1,300.49	174.92	8.435		
14,300.00	7,321.00	7,293.00	7,293.00	196.73	25.95	-90.00	-6,961.04	-7,795.28	1,457.75	1,272.73	185.03	7.879		
14,400.00	7,321.00	7,293.00	7,293.00	198.95	25.95	-90.00	-6,961.04	-7,795.28	1,446.80	1,252.07	194.73	7.430		
14,500.00	7,321.00	7,293.00	7,293.00	201.17	25.95	-90.00	-6,961.04	-7,795.28	1,442.71	1,238.86	203.85	7.077		
14,509.07	7,321.00	7,293.00	7,293.00	201.38	25.95	-90.00	-6,961.04	-7,795.28	1,442.68	1,238.03	204.65	7.050 CC		
14,600.00	7,321.00	7,293.00	7,293.00	203.42	25.95	-90.00	-6,961.04	-7,795.28	1,445.54	1,233.30	212.24	6.811 ES		
14,700.00	7,321.00	7,293.00	7,293.00	205.67	25.95	-90.00	-6,961.04	-7,795.28	1,455.26	1,235.50	219.76	6.622		
14,800.00	7,321.00	7,293.00	7,293.00	207.94	25.95	-90.00	-6,961.04	-7,795.28	1,471.72	1,245.38	226.34	6.502		
14,900.00	7,321.00	7,293.00	7,293.00	210.22	25.95	-90.00	-6,961.04	-7,795.28	1,494.71	1,262.77	231.93	6.445		
15,000.00	7,321.00	7,293.00	7,293.00	212.51	25.95	-90.00	-6,961.04	-7,795.28	1,523.92	1,287.37	236.56	6.442 SF		
15,100.00	7,321.00	7,293.00	7,293.00	214.81	25.95	-90.00	-6,961.04	-7,795.28	1,559.01	1,318.77	240.24	6.489		
15,200.00	7,321.00	7,293.00	7,293.00	217.12	25.95	-90.00	-6,961.04	-7,795.28	1,599.59	1,356.53	243.06	6.581		
15,300.00	7,321.00	7,293.00	7,293.00	219.45	25.95	-90.00	-6,961.04	-7,795.28	1,645.26	1,400.16	245.11	6.712		
15,400.00	7,321.00	7,293.00	7,293.00	221.78	25.95	-90.00	-6,961.04	-7,795.28	1,695.60	1,449.14	246.46	6.880		
15,500.00	7,321.00	7,293.00	7,293.00	224.13	25.95	-90.00	-6,961.04	-7,795.28	1,750.22	1,502.99	247.23	7.079		
15,600.00	7,321.00	7,293.00	7,293.00	226.48	25.95	-90.00	-6,961.04	-7,795.28	1,808.71	1,561.22	247.49	7.308		
15,700.00	7,321.00	7,293.00	7,293.00	228.85	25.95	-90.00	-6,961.04	-7,795.28	1,870.73	1,623.38	247.35	7.563		
15,800.00	7,321.00	7,293.00	7,293.00	231.22	25.95	-90.00	-6,961.04	-7,795.28	1,935.93	1,689.06	246.87	7.842		
15,900.00	7,321.00	7,293.00	7,293.00	233.60	25.95	-90.00	-6,961.04	-7,795.28	2,004.00	1,757.87	246.13	8.142		
16,000.00	7,321.00	7,293.00	7,293.00	235.99	25.95	-90.00	-6,961.04	-7,795.28	2,074.65	1,829.48	245.17	8.462		
16,100.00	7,321.00	7,293.00	7,293.00	238.39	25.95	-90.00	-6,961.04	-7,795.28	2,147.64	1,903.59	244.06	8.800		
16,200.00	7,321.00	7,293.00	7,293.00	240.79	25.95	-90.00	-6,961.04	-7,795.28	2,222.74	1,979.91	242.82	9.154		
16,300.00	7,321.00	7,293.00	7,293.00	243.21	25.95	-90.00	-6,961.04	-7,795.28	2,299.73	2,058.22	241.50	9.523		
16,400.00	7,321.00	7,293.00	7,293.00	245.63	25.95	-90.00	-6,961.04	-7,795.28	2,378.43	2,138.30	240.12	9.905		
16,500.00	7,321.00	7,293.00	7,293.00	248.06	25.95	-90.00	-6,961.04	-7,795.28	2,458.68	2,219.97	238.71	10.300		
16,600.00	7,321.00	7,293.00	7,293.00	250.49	25.95	-90.00	-6,961.04	-7,795.28	2,540.33	2,303.06	237.28	10.706		
16,700.00	7,321.00	7,293.00	7,293.00	252.93	25.95	-90.00	-6,961.04	-7,795.28	2,623.26	2,387.42	235.84	11.123		
16,800.00	7,321.00	7,293.00	7,293.00	255.38	25.95	-90.00	-6,961.04	-7,795.28	2,707.34	2,472.93	234.40	11.550		
16,900.00	7,321.00	7,293.00	7,293.00	257.84	25.95	-90.00	-6,961.04	-7,795.28	2,792.46	2,559.48	232.99	11.986		
17,000.00	7,321.00	7,293.00	7,293.00	260.30	25.95	-90.00	-6,961.04	-7,795.28	2,878.55	2,646.96	231.59	12.429		
17,100.00	7,321.00	7,293.00	7,293.00	262.76	25.95	-90.00	-6,961.04	-7,795.28	2,965.50	2,735.28	230.22	12.881		
17,200.00	7,321.00	7,293.00	7,293.00	265.24	25.95	-90.00	-6,961.04	-7,795.28	3,053.26	2,824.38	228.88	13.340		
17,300.00	7,321.00	7,293.00	7,293.00	267.72	25.95	-90.00	-6,961.04	-7,795.28	3,141.75	2,914.18	227.57	13.805		
17,400.00	7,321.00	7,293.00	7,293.00	270.20	25.95	-90.00	-6,961.04	-7,795.28	3,230.91	3,004.61	226.30	14.277		
17,500.00	7,321.00	7,293.00	7,293.00	272.69	25.95	-90.00	-6,961.04	-7,795.28	3,320.69	3,095.62	225.06	14.754		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,321.00	7,293.00	7,293.00	275.18	25.95	-90.00	-6,961.04	-7,795.28	3,411.03	3,187.17	223.86	15.237		
17,700.00	7,321.00	7,293.00	7,293.00	277.68	25.95	-90.00	-6,961.04	-7,795.28	3,501.90	3,279.21	222.70	15.725		
17,800.00	7,321.00	7,293.00	7,293.00	280.19	25.95	-90.00	-6,961.04	-7,795.28	3,593.24	3,371.68	221.56	16.218		
17,900.00	7,321.00	7,293.00	7,293.00	282.71	25.95	-90.00	-6,961.04	-7,795.28	3,684.11	3,463.70	220.41	16.715		
18,000.00	7,321.00	7,293.00	7,293.00	285.26	25.95	-90.00	-6,961.04	-7,795.28	3,773.99	3,554.78	219.21	17.217		
18,100.00	7,321.00	7,293.00	7,293.00	287.83	25.95	-90.00	-6,961.04	-7,795.28	3,862.83	3,644.88	217.95	17.724		
18,200.00	7,321.00	7,293.00	7,293.00	290.41	25.95	-90.00	-6,961.04	-7,795.28	3,950.61	3,733.97	216.63	18.236		
18,300.00	7,321.00	7,293.00	7,293.00	293.00	25.95	-90.00	-6,961.04	-7,795.28	4,037.32	3,822.05	215.27	18.754		
18,400.00	7,321.00	7,293.00	7,293.00	295.59	25.95	-90.00	-6,961.04	-7,795.28	4,124.12	3,910.20	213.92	19.279		
18,500.00	7,321.00	7,293.00	7,293.00	298.19	25.95	-90.00	-6,961.04	-7,795.28	4,211.51	3,998.91	212.60	19.810		
18,600.00	7,321.00	7,293.00	7,293.00	300.78	25.95	-90.00	-6,961.04	-7,795.28	4,299.45	4,088.13	211.31	20.346		
18,700.00	7,321.00	7,293.00	7,293.00	303.38	25.95	-90.00	-6,961.04	-7,795.28	4,387.90	4,177.84	210.06	20.889		
18,800.00	7,321.00	7,293.00	7,293.00	305.98	25.95	-90.00	-6,961.04	-7,795.28	4,476.84	4,268.00	208.84	21.436		
18,900.00	7,321.00	7,293.00	7,293.00	308.58	25.95	-90.00	-6,961.04	-7,795.28	4,566.24	4,358.58	207.66	21.989		
19,000.00	7,321.00	7,293.00	7,293.00	311.18	25.95	-90.00	-6,961.04	-7,795.28	4,656.07	4,449.56	206.50	22.547		
19,100.00	7,321.00	7,293.00	7,293.00	313.78	25.95	-90.00	-6,961.04	-7,795.28	4,746.30	4,540.92	205.38	23.110		
19,200.00	7,321.00	7,293.00	7,293.00	316.39	25.95	-90.00	-6,961.04	-7,795.28	4,836.92	4,632.63	204.29	23.677		
19,300.00	7,321.00	7,293.00	7,293.00	318.99	25.95	-90.00	-6,961.04	-7,795.28	4,927.91	4,724.68	203.23	24.248		
19,400.00	7,321.00	7,293.00	7,293.00	321.60	25.95	-90.00	-6,961.04	-7,795.28	5,019.23	4,817.03	202.20	24.823		
19,500.00	7,321.00	7,293.00	7,293.00	324.21	25.95	-90.00	-6,961.04	-7,795.28	5,110.89	4,909.70	201.19	25.403		
19,600.00	7,321.00	7,293.00	7,293.00	326.81	25.95	-90.00	-6,961.04	-7,795.28	5,203.66	5,003.39	200.27	25.983		
19,700.00	7,321.00	7,293.00	7,293.00	329.42	25.95	-90.00	-6,961.04	-7,795.28	5,297.90	5,098.45	199.45	26.562		
19,800.00	7,321.00	7,293.00	7,293.00	332.01	25.95	-90.00	-6,961.04	-7,795.28	5,393.43	5,194.69	198.74	27.137		
19,900.00	7,321.00	7,293.00	7,293.00	334.60	25.95	-90.00	-6,961.04	-7,795.28	5,490.07	5,291.93	198.14	27.708		
20,000.00	7,321.00	7,293.00	7,293.00	337.16	25.95	-90.00	-6,961.04	-7,795.28	5,587.64	5,390.01	197.63	28.273		
20,100.00	7,321.00	7,293.00	7,293.00	339.72	25.95	-90.00	-6,961.04	-7,795.28	5,685.73	5,488.54	197.19	28.834		
20,200.00	7,321.00	7,293.00	7,293.00	342.28	25.95	-90.00	-6,961.04	-7,795.28	5,783.89	5,587.13	196.76	29.396		
20,300.00	7,321.00	7,293.00	7,293.00	344.84	25.95	-90.00	-6,961.04	-7,795.28	5,882.11	5,685.77	196.35	29.958		
20,400.00	7,321.00	7,293.00	7,293.00	347.40	25.95	-90.00	-6,961.04	-7,795.28	5,980.39	5,784.45	195.95	30.521		
20,500.00	7,321.00	7,293.00	7,293.00	349.97	25.95	-90.00	-6,961.04	-7,795.28	6,078.73	5,883.17	195.56	31.084		
20,540.60	7,321.00	7,293.00	7,293.00	351.01	25.95	-90.00	-6,961.04	-7,795.28	6,118.67	5,923.27	195.40	31.313		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
6,500.00	4,969.43	4,978.43	4,978.43	71.41	17.65	57.05	-5,629.79	-11,670.74	10,068.28	9,996.51	71.76	140.299		
6,600.00	5,035.38	5,044.38	5,044.38	72.83	17.88	57.33	-5,629.79	-11,670.74	10,015.74	9,942.46	73.28	136.674		
6,700.00	5,101.33	5,110.33	5,110.33	74.25	18.12	57.62	-5,629.79	-11,670.74	9,963.49	9,888.68	74.81	133.180		
6,800.00	5,167.29	5,176.29	5,176.29	75.67	18.35	57.90	-5,629.79	-11,670.74	9,911.54	9,835.18	76.35	129.811		
6,900.00	5,233.24	5,242.24	5,242.24	77.10	18.59	58.18	-5,629.79	-11,670.74	9,859.88	9,781.98	77.91	126.561		
7,000.00	5,299.20	5,308.20	5,308.20	78.52	18.83	58.47	-5,629.79	-11,670.74	9,808.53	9,729.06	79.47	123.425		
7,100.00	5,365.15	5,374.15	5,374.15	79.94	19.06	58.76	-5,629.79	-11,670.74	9,757.49	9,676.45	81.04	120.398		
7,200.00	5,431.10	5,440.10	5,440.10	81.36	19.30	59.05	-5,629.79	-11,670.74	9,706.76	9,624.13	82.63	117.473		
7,300.00	5,497.06	5,506.06	5,506.06	82.79	19.54	59.34	-5,629.79	-11,670.74	9,656.35	9,572.13	84.23	114.648		
7,400.00	5,563.01	5,572.01	5,572.01	84.21	19.77	59.63	-5,629.79	-11,670.74	9,606.27	9,520.43	85.83	111.916		
7,500.00	5,628.97	5,637.97	5,637.97	85.63	20.01	59.93	-5,629.79	-11,670.74	9,556.51	9,469.06	87.45	109.275		
7,600.00	5,694.92	5,703.92	5,703.92	87.06	20.25	60.23	-5,629.79	-11,670.74	9,507.09	9,418.00	89.08	106.720		
7,700.00	5,760.87	5,769.87	5,769.87	88.48	20.48	60.52	-5,629.79	-11,670.74	9,458.00	9,367.28	90.73	104.248		
7,800.00	5,826.83	5,835.83	5,835.83	89.90	20.72	60.83	-5,629.79	-11,670.74	9,409.26	9,316.88	92.38	101.855		
7,900.00	5,892.78	5,901.78	5,901.78	91.33	20.96	61.13	-5,629.79	-11,670.74	9,360.87	9,266.83	94.04	99.538		
8,000.00	5,958.74	5,967.74	5,967.74	92.75	21.19	61.43	-5,629.79	-11,670.74	9,312.84	9,217.12	95.72	97.294		
8,100.00	6,024.69	6,033.69	6,033.69	94.17	21.43	61.74	-5,629.79	-11,670.74	9,265.17	9,167.76	97.41	95.120		
8,200.00	6,090.64	6,099.64	6,099.64	95.60	21.66	62.05	-5,629.79	-11,670.74	9,217.86	9,118.76	99.10	93.013		
8,300.00	6,156.60	6,165.60	6,165.60	97.02	21.90	62.35	-5,629.79	-11,670.74	9,170.92	9,070.11	100.81	90.971		
8,400.00	6,222.55	6,231.55	6,231.55	98.45	22.14	62.67	-5,629.79	-11,670.74	9,124.37	9,021.84	102.53	88.991		
8,500.00	6,288.51	6,297.51	6,297.51	99.87	22.37	62.98	-5,629.79	-11,670.74	9,078.19	8,973.93	104.26	87.070		
8,600.00	6,354.46	6,363.46	6,363.46	101.29	22.61	63.29	-5,629.79	-11,670.74	9,032.41	8,926.40	106.00	85.208		
8,700.00	6,420.41	6,429.41	6,429.41	102.72	22.85	63.61	-5,629.79	-11,670.74	8,987.02	8,879.26	107.76	83.400		
8,800.00	6,486.37	6,495.37	6,495.37	104.14	23.08	63.93	-5,629.79	-11,670.74	8,942.03	8,832.51	109.52	81.646		
8,900.00	6,552.32	6,561.32	6,561.32	105.57	23.32	64.25	-5,629.79	-11,670.74	8,897.45	8,786.16	111.30	79.944		
9,000.00	6,618.28	6,627.28	6,627.28	106.99	23.56	64.57	-5,629.79	-11,670.74	8,853.29	8,740.21	113.08	78.291		
9,100.00	6,684.23	6,693.23	6,693.23	108.42	23.79	64.89	-5,629.79	-11,670.74	8,809.54	8,694.66	114.88	76.686		
9,200.00	6,750.18	6,759.18	6,759.18	109.84	24.03	65.22	-5,629.79	-11,670.74	8,766.22	8,649.54	116.68	75.127		
9,300.00	6,816.14	6,825.14	6,825.14	111.26	24.27	65.55	-5,629.79	-11,670.74	8,723.33	8,604.83	118.50	73.614		
9,400.00	6,882.09	6,891.09	6,891.09	112.69	24.50	65.87	-5,629.79	-11,670.74	8,680.89	8,560.56	120.33	72.143		
9,500.00	6,948.05	6,957.05	6,957.05	114.11	24.74	66.20	-5,629.79	-11,670.74	8,638.88	8,516.72	122.17	70.714		
9,600.00	7,014.00	7,023.00	7,023.00	115.54	24.97	66.54	-5,629.79	-11,670.74	8,597.33	8,473.32	124.01	69.326		
9,700.00	7,079.88	7,088.88	7,088.88	116.97	25.21	66.45	-5,629.79	-11,670.74	8,556.00	8,430.13	125.87	67.975		
9,800.00	7,145.83	7,154.83	7,154.83	118.40	25.44	66.35	-5,629.79	-11,670.74	8,514.99	8,387.32	127.67	66.617		
9,900.00	7,211.78	7,220.78	7,220.78	119.83	25.67	66.25	-5,629.79	-11,670.74	8,474.20	8,346.88	129.32	65.267		
10,000.00	7,277.73	7,286.73	7,286.73	121.26	25.90	66.15	-5,629.79	-11,670.74	8,433.44	8,306.70	130.74	63.970		
10,100.00	7,343.68	7,352.68	7,352.68	122.69	26.13	66.05	-5,629.79	-11,670.74	8,392.69	8,266.40	132.17	62.723		
10,200.00	7,409.63	7,418.63	7,418.63	124.12	26.36	65.95	-5,629.79	-11,670.74	8,351.94	8,225.11	133.59	61.526		
10,300.00	7,475.58	7,484.58	7,484.58	125.55	26.59	65.85	-5,629.79	-11,670.74	8,311.19	8,183.82	135.01	60.329		
10,400.00	7,541.53	7,550.53	7,550.53	126.98	26.82	65.75	-5,629.79	-11,670.74	8,270.44	8,142.57	136.43	59.132		
10,500.00	7,607.48	7,616.48	7,616.48	128.41	27.05	65.65	-5,629.79	-11,670.74	8,229.69	8,101.32	137.85	57.935		
10,600.00	7,673.43	7,682.43	7,682.43	129.84	27.28	65.55	-5,629.79	-11,670.74	8,188.94	8,060.07	139.27	56.738		
10,700.00	7,739.38	7,748.38	7,748.38	131.27	27.51	65.45	-5,629.79	-11,670.74	8,148.19	8,018.82	140.69	55.541		
10,800.00	7,805.33	7,814.33	7,814.33	132.70	27.74	65.35	-5,629.79	-11,670.74	8,107.44	7,977.57	142.11	54.344		
10,900.00	7,871.28	7,880.28	7,880.28	134.13	27.97	65.25	-5,629.79	-11,670.74	8,066.69	7,936.32	143.53	53.147		
11,000.00	7,937.23	7,946.23	7,946.23	135.56	28.20	65.15	-5,629.79	-11,670.74	8,025.94	7,895.07	144.95	51.950		
11,100.00	8,003.18	8,012.18	8,012.18	136.99	28.43	65.05	-5,629.79	-11,670.74	7,985.19	7,854.30	146.37	50.753		
11,200.00	8,069.13	8,078.13	8,078.13	138.42	28.66	64.95	-5,629.79	-11,670.74	7,944.44	7,813.43	147.79	49.556		
11,300.00	8,135.08	8,144.08	8,144.08	139.85	28.89	64.85	-5,629.79	-11,670.74	7,903.69	7,772.68	149.21	48.359		
11,400.00	8,201.03	8,210.03	8,210.03	141.28	29.12	64.75	-5,629.79	-11,670.74	7,862.94	7,731.93	150.63	47.162		
11,500.00	8,266.98	8,275.98	8,275.98	142.71	29.35	64.65	-5,629.79	-11,670.74	7,822.19	7,691.18	152.05	45.965		
11,600.00	8,332.93	8,341.93	8,341.93	144.14	29.58	64.55	-5,629.79	-11,670.74	7,781.44	7,650.43	153.47	44.768		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
11,700.00	7,321.00	7,330.00	7,330.00	145.91	26.08	-90.00	-5,629.79	-11,670.74	6,685.06	6,552.41	132.65	50.398		
11,800.00	7,321.00	7,330.00	7,330.00	147.55	26.08	-90.00	-5,629.79	-11,670.74	6,585.07	6,452.47	132.60	49.661		
11,900.00	7,321.00	7,330.00	7,330.00	149.23	26.08	-90.00	-5,629.79	-11,670.74	6,485.09	6,352.53	132.56	48.923		
12,000.00	7,321.00	7,330.00	7,330.00	150.93	26.08	-90.00	-5,629.79	-11,670.74	6,385.10	6,252.59	132.51	48.186		
12,100.00	7,321.00	7,330.00	7,330.00	152.67	26.08	-90.00	-5,629.79	-11,670.74	6,285.12	6,152.66	132.46	47.449		
12,200.00	7,321.00	7,330.00	7,330.00	154.43	26.08	-90.00	-5,629.79	-11,670.74	6,185.13	6,052.72	132.41	46.712		
12,300.00	7,321.00	7,330.00	7,330.00	156.22	26.08	-90.00	-5,629.79	-11,670.74	6,085.15	5,952.79	132.36	45.975		
12,400.00	7,321.00	7,330.00	7,330.00	158.04	26.08	-90.00	-5,629.79	-11,670.74	5,985.17	5,852.86	132.30	45.238		
12,500.00	7,321.00	7,330.00	7,330.00	159.88	26.08	-90.00	-5,629.79	-11,670.74	5,885.18	5,752.93	132.25	44.501		
12,600.00	7,321.00	7,330.00	7,330.00	161.75	26.08	-90.00	-5,629.79	-11,670.74	5,785.20	5,653.01	132.19	43.764		
12,700.00	7,321.00	7,330.00	7,330.00	163.64	26.08	-90.00	-5,629.79	-11,670.74	5,685.22	5,553.09	132.13	43.028		
12,800.00	7,321.00	7,330.00	7,330.00	165.56	26.08	-90.00	-5,629.79	-11,670.74	5,585.24	5,453.17	132.07	42.291		
12,900.00	7,321.00	7,330.00	7,330.00	167.49	26.08	-90.00	-5,629.79	-11,670.74	5,485.26	5,353.26	132.00	41.555		
13,000.00	7,321.00	7,330.00	7,330.00	169.46	26.08	-90.00	-5,629.79	-11,670.74	5,385.28	5,253.35	131.93	40.818		
13,100.00	7,321.00	7,330.00	7,330.00	171.44	26.08	-90.00	-5,629.79	-11,670.74	5,285.30	5,153.44	131.86	40.082		
13,200.00	7,321.00	7,330.00	7,330.00	173.45	26.08	-90.00	-5,629.79	-11,670.74	5,185.32	5,053.53	131.79	39.346		
13,300.00	7,321.00	7,330.00	7,330.00	175.47	26.08	-90.00	-5,629.79	-11,670.74	5,085.35	4,953.63	131.71	38.610		
13,400.00	7,321.00	7,330.00	7,330.00	177.52	26.08	-90.00	-5,629.79	-11,670.74	4,985.37	4,853.74	131.63	37.874		
13,500.00	7,321.00	7,330.00	7,330.00	179.58	26.08	-90.00	-5,629.79	-11,670.74	4,885.39	4,753.85	131.55	37.139		
13,600.00	7,321.00	7,330.00	7,330.00	181.67	26.08	-90.00	-5,629.79	-11,670.74	4,785.42	4,653.96	131.46	36.403		
13,700.00	7,321.00	7,330.00	7,330.00	183.77	26.08	-90.00	-5,629.79	-11,670.74	4,685.45	4,554.08	131.36	35.668		
13,800.00	7,321.00	7,330.00	7,330.00	185.89	26.08	-90.00	-5,629.79	-11,670.74	4,585.48	4,454.21	131.27	34.932		
13,900.00	7,321.00	7,330.00	7,330.00	188.02	26.08	-90.00	-5,629.79	-11,670.74	4,485.51	4,354.34	131.17	34.197		
14,000.00	7,321.00	7,330.00	7,330.00	190.18	26.08	-90.00	-5,629.79	-11,670.74	4,385.54	4,254.48	131.06	33.462		
14,100.00	7,321.00	7,330.00	7,330.00	192.35	26.08	-90.00	-5,629.79	-11,670.74	4,285.57	4,154.62	130.95	32.728		
14,200.00	7,321.00	7,330.00	7,330.00	194.53	26.08	-90.00	-5,629.79	-11,670.74	4,185.60	4,054.77	130.83	31.993		
14,300.00	7,321.00	7,330.00	7,330.00	196.73	26.08	-90.00	-5,629.79	-11,670.74	4,085.64	3,954.93	130.70	31.259		
14,400.00	7,321.00	7,330.00	7,330.00	198.95	26.08	-90.00	-5,629.79	-11,670.74	3,985.68	3,855.10	130.57	30.525		
14,500.00	7,321.00	7,330.00	7,330.00	201.17	26.08	-90.00	-5,629.79	-11,670.74	3,885.71	3,755.28	130.43	29.791		
14,600.00	7,321.00	7,330.00	7,330.00	203.42	26.08	-90.00	-5,629.79	-11,670.74	3,785.76	3,655.47	130.29	29.057		
14,700.00	7,321.00	7,330.00	7,330.00	205.67	26.08	-90.00	-5,629.79	-11,670.74	3,685.80	3,555.67	130.13	28.324		
14,800.00	7,321.00	7,330.00	7,330.00	207.94	26.08	-90.00	-5,629.79	-11,670.74	3,585.85	3,455.88	129.97	27.591		
14,900.00	7,321.00	7,330.00	7,330.00	210.22	26.08	-90.00	-5,629.79	-11,670.74	3,485.89	3,356.10	129.79	26.858		
15,000.00	7,321.00	7,330.00	7,330.00	212.51	26.08	-90.00	-5,629.79	-11,670.74	3,385.95	3,256.34	129.61	26.125		
15,100.00	7,321.00	7,330.00	7,330.00	214.81	26.08	-90.00	-5,629.79	-11,670.74	3,286.00	3,156.59	129.41	25.393		
15,200.00	7,321.00	7,330.00	7,330.00	217.12	26.08	-90.00	-5,629.79	-11,670.74	3,186.06	3,056.86	129.20	24.660		
15,300.00	7,321.00	7,330.00	7,330.00	219.45	26.08	-90.00	-5,629.79	-11,670.74	3,086.12	2,957.15	128.97	23.929		
15,400.00	7,321.00	7,330.00	7,330.00	221.78	26.08	-90.00	-5,629.79	-11,670.74	2,986.19	2,857.46	128.73	23.197		
15,500.00	7,321.00	7,330.00	7,330.00	224.13	26.08	-90.00	-5,629.79	-11,670.74	2,886.26	2,757.79	128.47	22.466		
15,600.00	7,321.00	7,330.00	7,330.00	226.48	26.08	-90.00	-5,629.79	-11,670.74	2,786.33	2,658.14	128.19	21.735		
15,700.00	7,321.00	7,330.00	7,330.00	228.85	26.08	-90.00	-5,629.79	-11,670.74	2,686.41	2,558.52	127.89	21.005		
15,800.00	7,321.00	7,330.00	7,330.00	231.22	26.08	-90.00	-5,629.79	-11,670.74	2,586.50	2,458.93	127.57	20.275		
15,900.00	7,321.00	7,330.00	7,330.00	233.60	26.08	-90.00	-5,629.79	-11,670.74	2,486.60	2,359.38	127.22	19.546		
16,000.00	7,321.00	7,330.00	7,330.00	235.99	26.08	-90.00	-5,629.79	-11,670.74	2,386.70	2,259.86	126.84	18.817		
16,100.00	7,321.00	7,330.00	7,330.00	238.39	26.08	-90.00	-5,629.79	-11,670.74	2,286.81	2,160.39	126.43	18.088		
16,200.00	7,321.00	7,330.00	7,330.00	240.79	26.08	-90.00	-5,629.79	-11,670.74	2,186.93	2,060.96	125.97	17.360		
16,300.00	7,321.00	7,330.00	7,330.00	243.21	26.08	-90.00	-5,629.79	-11,670.74	2,087.07	1,961.59	125.48	16.633		
16,400.00	7,321.00	7,330.00	7,330.00	245.63	26.08	-90.00	-5,629.79	-11,670.74	1,987.21	1,862.28	124.93	15.907		
16,500.00	7,321.00	7,330.00	7,330.00	248.06	26.08	-90.00	-5,629.79	-11,670.74	1,887.37	1,763.05	124.32	15.181		
16,600.00	7,321.00	7,330.00	7,330.00	250.49	26.08	-90.00	-5,629.79	-11,670.74	1,787.56	1,663.90	123.65	14.456		
16,700.00	7,321.00	7,330.00	7,330.00	252.93	26.08	-90.00	-5,629.79	-11,670.74	1,687.76	1,564.85	122.90	13.732		
16,800.00	7,321.00	7,330.00	7,330.00	255.38	26.08	-90.00	-5,629.79	-11,670.74	1,587.98	1,465.92	122.06	13.010		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	
16,900.00	7,321.00	7,330.00	7,330.00	257.84	26.08	-90.00	-5,629.79	-11,670.74	1,488.24	1,367.13	121.11	12.288	
17,000.00	7,321.00	7,330.00	7,330.00	260.30	26.08	-90.00	-5,629.79	-11,670.74	1,388.54	1,268.51	120.03	11.569	
17,100.00	7,321.00	7,330.00	7,330.00	262.76	26.08	-90.00	-5,629.79	-11,670.74	1,288.88	1,170.09	118.78	10.851	
17,200.00	7,321.00	7,330.00	7,330.00	265.24	26.08	-90.00	-5,629.79	-11,670.74	1,189.28	1,071.93	117.35	10.135	
17,300.00	7,321.00	7,330.00	7,330.00	267.72	26.08	-90.00	-5,629.79	-11,670.74	1,089.75	974.08	115.67	9.421	
17,400.00	7,321.00	7,330.00	7,330.00	270.20	26.08	-90.00	-5,629.79	-11,670.74	990.31	876.63	113.69	8.711	
17,500.00	7,321.00	7,330.00	7,330.00	272.69	26.08	-90.00	-5,629.79	-11,670.74	891.00	779.68	111.32	8.004	
17,600.00	7,321.00	7,330.00	7,330.00	275.18	26.08	-90.00	-5,629.79	-11,670.74	791.87	683.41	108.46	7.301	
17,700.00	7,321.00	7,330.00	7,330.00	277.68	26.08	-90.00	-5,629.79	-11,670.74	692.98	588.01	104.98	6.601	
17,800.00	7,321.00	7,330.00	7,330.00	280.19	26.08	-90.00	-5,629.79	-11,670.74	594.46	493.71	100.75	5.900	
17,900.00	7,321.00	7,330.00	7,330.00	282.71	26.08	-90.00	-5,629.79	-11,670.74	496.07	399.74	96.33	5.150	
18,000.00	7,321.00	7,330.00	7,330.00	285.26	26.08	-90.00	-5,629.79	-11,670.74	397.70	305.40	92.30	4.309	
18,100.00	7,321.00	7,330.00	7,330.00	287.83	26.08	-90.00	-5,629.79	-11,670.74	299.55	209.69	89.86	3.334	
18,200.00	7,321.00	7,330.00	7,330.00	290.41	26.08	-90.00	-5,629.79	-11,670.74	202.17	107.75	94.41	2.141	
18,300.00	7,321.00	7,330.00	7,330.00	293.00	26.08	-90.00	-5,629.79	-11,670.74	107.94	-27.38	135.33	0.798 Level 1	
18,396.62	7,321.00	7,330.00	7,330.00	295.51	26.08	-90.00	-5,629.79	-11,670.74	48.13	-270.47	318.60	0.151 Level 1, CC	
18,400.00	7,321.00	7,330.00	7,330.00	295.59	26.08	-90.00	-5,629.79	-11,670.74	48.25	-272.62	320.87	0.150 Level 1, ES, SF	
18,500.00	7,321.00	7,330.00	7,330.00	298.19	26.08	-90.00	-5,629.79	-11,670.74	114.03	-83.98	198.02	0.576 Level 1	
18,600.00	7,321.00	7,330.00	7,330.00	300.78	26.08	-90.00	-5,629.79	-11,670.74	209.00	57.61	151.39	1.381 Level 3	
18,700.00	7,321.00	7,330.00	7,330.00	303.38	26.08	-90.00	-5,629.79	-11,670.74	307.17	172.78	134.39	2.286	
18,800.00	7,321.00	7,330.00	7,330.00	305.98	26.08	-90.00	-5,629.79	-11,670.74	406.24	280.23	126.01	3.224	
18,900.00	7,321.00	7,330.00	7,330.00	308.58	26.08	-90.00	-5,629.79	-11,670.74	505.67	384.55	121.12	4.175	
19,000.00	7,321.00	7,330.00	7,330.00	311.18	26.08	-90.00	-5,629.79	-11,670.74	605.30	487.34	117.95	5.132	
19,100.00	7,321.00	7,330.00	7,330.00	313.78	26.08	-90.00	-5,629.79	-11,670.74	705.02	589.28	115.75	6.091	
19,200.00	7,321.00	7,330.00	7,330.00	316.39	26.08	-90.00	-5,629.79	-11,670.74	804.82	690.69	114.13	7.052	
19,300.00	7,321.00	7,330.00	7,330.00	318.99	26.08	-90.00	-5,629.79	-11,670.74	904.66	791.75	112.91	8.012	
19,400.00	7,321.00	7,330.00	7,330.00	321.60	26.08	-90.00	-5,629.79	-11,670.74	1,004.53	892.58	111.95	8.973	
19,500.00	7,321.00	7,330.00	7,330.00	324.21	26.08	-90.00	-5,629.79	-11,670.74	1,104.43	993.24	111.19	9.933	
19,600.00	7,321.00	7,330.00	7,330.00	326.81	26.08	-90.00	-5,629.79	-11,670.74	1,204.40	1,093.51	110.89	10.862	
19,700.00	7,321.00	7,330.00	7,330.00	329.42	26.08	90.00	-5,629.79	-11,670.74	1,304.39	1,193.25	111.13	11.737	
19,800.00	7,321.00	7,330.00	7,330.00	332.01	26.08	90.00	-5,629.79	-11,670.74	1,404.27	1,292.46	111.81	12.559	
19,900.00	7,321.00	7,330.00	7,330.00	334.60	26.08	90.00	-5,629.79	-11,670.74	1,503.97	1,391.12	112.85	13.327	
20,000.00	7,321.00	7,330.00	7,330.00	337.16	26.08	90.00	-5,629.79	-11,670.74	1,603.40	1,489.22	114.18	14.042	
20,100.00	7,321.00	7,330.00	7,330.00	339.72	26.08	90.00	-5,629.79	-11,670.74	1,702.68	1,587.05	115.63	14.725	
20,200.00	7,321.00	7,330.00	7,330.00	342.28	26.08	90.00	-5,629.79	-11,670.74	1,802.04	1,685.10	116.94	15.410	
20,300.00	7,321.00	7,330.00	7,330.00	344.84	26.08	90.00	-5,629.79	-11,670.74	1,901.46	1,783.33	118.13	16.097	
20,400.00	7,321.00	7,330.00	7,330.00	347.40	26.08	90.00	-5,629.79	-11,670.74	2,000.94	1,881.73	119.21	16.785	
20,500.00	7,321.00	7,330.00	7,330.00	349.97	26.08	90.00	-5,629.79	-11,670.74	2,100.47	1,980.27	120.21	17.474	
20,540.60	7,321.00	7,330.00	7,330.00	351.01	26.08	90.00	-5,629.79	-11,670.74	2,140.90	2,020.31	120.59	17.754	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
2,800.00	2,528.95	733.00	729.02	19.37	2.54	34.88	-5,638.16	-9,048.21	9,999.91	9,983.91	16.00	625.049		
2,900.00	2,595.08	733.00	729.02	20.72	2.54	35.13	-5,638.16	-9,048.21	9,948.58	9,931.79	16.79	592.479		
3,000.00	2,661.04	733.00	729.02	22.08	2.54	35.13	-5,638.16	-9,048.21	9,897.83	9,880.23	17.60	562.414		
3,100.00	2,726.99	772.13	767.14	23.46	2.74	35.27	-5,637.86	-9,057.03	9,847.47	9,828.88	18.58	529.935		
3,200.00	2,792.94	787.48	782.06	24.84	2.81	35.33	-5,637.77	-9,060.65	9,797.89	9,778.41	19.48	502.878		
3,300.00	2,858.90	827.00	820.36	26.22	3.01	35.47	-5,637.62	-9,070.38	9,749.11	9,728.61	20.50	475.612		
3,400.00	2,924.85	827.00	820.36	27.61	3.01	35.47	-5,637.62	-9,070.38	9,700.74	9,679.37	21.36	454.078		
3,500.00	2,990.81	827.00	820.36	29.00	3.01	35.47	-5,637.62	-9,070.38	9,653.16	9,630.91	22.24	434.017		
3,600.00	3,056.76	827.00	820.36	30.40	3.01	35.47	-5,637.62	-9,070.38	9,606.38	9,583.25	23.13	415.306		
3,700.00	3,122.71	867.77	859.71	31.80	3.23	35.62	-5,637.60	-9,081.01	9,560.04	9,535.83	24.21	394.901		
3,800.00	3,188.67	884.57	875.89	33.20	3.32	35.69	-5,637.64	-9,085.56	9,514.53	9,489.34	25.19	377.661		
3,900.00	3,254.62	921.00	910.87	34.60	3.51	35.83	-5,637.81	-9,095.74	9,469.81	9,443.54	26.27	360.439		
4,000.00	3,320.58	921.00	910.87	36.01	3.51	35.83	-5,637.81	-9,095.74	9,425.63	9,398.43	27.20	346.469		
4,100.00	3,386.53	949.82	938.47	37.41	3.68	35.93	-5,637.99	-9,104.03	9,382.21	9,353.93	28.28	331.708		
4,200.00	3,452.48	983.72	970.88	38.82	3.88	36.06	-5,638.17	-9,113.93	9,339.40	9,310.01	29.39	317.790		
4,300.00	3,518.44	1,025.80	1,011.06	40.23	4.12	36.23	-5,638.38	-9,126.45	9,297.18	9,266.65	30.54	304.476		
4,400.00	3,584.39	1,135.38	1,115.70	41.64	4.79	36.65	-5,638.80	-9,158.98	9,255.22	9,223.19	32.03	288.990		
4,500.00	3,650.35	1,194.08	1,171.77	43.05	5.15	36.88	-5,639.12	-9,176.34	9,213.49	9,180.21	33.28	276.831		
4,600.00	3,716.30	1,265.12	1,239.64	44.46	5.58	37.16	-5,639.69	-9,197.33	9,172.13	9,137.51	34.61	264.999		
4,700.00	3,782.25	1,346.18	1,317.13	45.88	6.09	37.47	-5,640.62	-9,221.13	9,131.03	9,095.03	36.00	253.641		
4,800.00	3,848.21	1,748.76	1,704.20	47.29	8.51	39.07	-5,643.56	-9,331.65	9,088.21	9,049.30	38.91	233.583		
4,900.00	3,914.16	1,810.23	1,763.58	48.71	8.86	39.31	-5,644.02	-9,347.52	9,045.04	9,004.82	40.22	224.878		
5,000.00	3,980.12	1,876.97	1,828.07	50.12	9.25	39.58	-5,644.93	-9,364.66	9,002.27	8,960.70	41.57	216.559		
5,100.00	4,046.07	1,964.72	1,912.89	51.54	9.76	39.93	-5,646.24	-9,387.12	8,959.74	8,916.72	43.02	208.259		
5,200.00	4,112.02	2,019.67	1,966.01	52.95	10.08	40.15	-5,647.06	-9,401.17	8,917.51	8,873.17	44.34	201.133		
5,300.00	4,177.98	2,065.04	2,009.83	54.37	10.34	40.33	-5,647.88	-9,412.87	8,875.82	8,830.20	45.62	194.573		
5,400.00	4,243.93	2,110.00	2,053.24	55.79	10.60	40.52	-5,648.84	-9,424.56	8,834.67	8,787.76	46.91	188.351		
5,500.00	4,309.89	2,163.59	2,104.92	57.21	10.92	40.73	-5,649.91	-9,438.68	8,794.05	8,745.80	48.25	182.272		
5,600.00	4,375.84	2,216.01	2,155.41	58.63	11.23	40.95	-5,650.67	-9,452.74	8,753.93	8,704.33	49.59	176.511		
5,700.00	4,441.79	2,266.47	2,203.96	60.05	11.54	41.16	-5,651.22	-9,466.47	8,714.33	8,663.39	50.94	171.054		
5,800.00	4,507.75	2,316.20	2,251.79	61.47	11.84	41.37	-5,651.89	-9,480.11	8,675.28	8,622.97	52.30	165.867		
5,900.00	4,573.70	2,360.00	2,293.88	62.89	12.10	41.55	-5,652.61	-9,492.20	8,636.77	8,583.13	53.64	161.010		
6,000.00	4,639.66	2,430.92	2,361.98	64.31	12.54	41.85	-5,653.60	-9,511.97	8,598.74	8,543.62	55.13	155.983		
6,100.00	4,705.61	2,485.00	2,413.86	65.73	12.87	42.08	-5,653.99	-9,527.24	8,561.18	8,504.64	56.54	151.418		
6,200.00	4,771.56	2,536.76	2,463.46	67.15	13.20	42.30	-5,654.19	-9,542.05	8,524.16	8,466.20	57.96	147.079		
6,300.00	4,837.52	2,582.42	2,507.15	68.57	13.49	42.50	-5,654.32	-9,555.29	8,487.76	8,428.41	59.35	143.008		
6,400.00	4,903.47	2,610.00	2,533.52	69.99	13.66	42.62	-5,654.39	-9,563.37	8,452.01	8,391.35	60.66	139.330		
6,500.00	4,969.43	2,679.26	2,599.69	71.41	14.11	42.93	-5,654.69	-9,583.82	8,416.81	8,354.60	62.20	135.315		
6,600.00	5,035.38	2,735.00	2,652.90	72.83	14.46	43.17	-5,655.19	-9,600.42	8,382.23	8,318.56	63.68	131.633		
6,700.00	5,101.33	2,778.28	2,694.19	74.25	14.74	43.36	-5,655.76	-9,613.39	8,348.27	8,283.17	65.10	128.241		
6,800.00	5,167.29	2,906.61	2,816.64	75.67	15.57	43.92	-5,658.37	-9,651.67	8,314.89	8,247.91	66.98	124.146		
6,900.00	5,233.24	3,050.65	2,954.54	77.10	16.48	44.55	-5,661.18	-9,693.21	8,280.95	8,212.01	68.95	120.109		
7,000.00	5,299.20	3,360.00	3,252.04	78.52	18.36	45.94	-5,664.77	-9,777.81	8,246.34	8,174.57	71.77	114.903		
7,100.00	5,365.15	3,424.84	3,314.74	79.94	18.74	46.22	-5,666.07	-9,794.30	8,210.69	8,137.34	73.34	111.949		
7,200.00	5,431.10	3,484.00	3,371.84	81.36	19.09	46.49	-5,667.26	-9,809.70	8,175.81	8,100.91	74.90	109.154		
7,300.00	5,497.06	3,542.76	3,428.52	82.79	19.44	46.76	-5,668.29	-9,825.15	8,141.46	8,064.99	76.47	106.463		
7,400.00	5,563.01	3,717.43	3,597.19	84.21	20.46	47.56	-5,669.35	-9,870.54	8,107.26	8,028.60	78.65	103.078		
7,500.00	5,628.97	3,734.00	3,613.21	85.63	20.56	47.64	-5,669.26	-9,874.76	8,072.96	7,992.93	80.04	100.865		
7,600.00	5,694.92	3,796.64	3,673.73	87.06	20.93	47.94	-5,669.07	-9,890.91	8,039.21	7,957.54	81.67	98.433		
7,700.00	5,760.87	3,859.00	3,733.84	88.48	21.30	48.23	-5,669.27	-9,907.52	8,006.53	7,923.21	83.32	96.099		
7,800.00	5,826.83	3,859.00	3,733.84	89.90	21.30	48.23	-5,669.27	-9,907.52	7,974.41	7,889.77	84.63	94.222		
7,900.00	5,892.78	3,859.00	3,733.84	91.33	21.30	48.23	-5,669.27	-9,907.52	7,943.41	7,857.46	85.95	92.415		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	5,958.74	3,908.62	3,781.52	92.75	21.61	48.47	-5,669.66	-9,921.26	7,913.08	7,825.52	87.55	90.379		
8,100.00	6,024.69	3,932.56	3,804.46	94.17	21.76	48.58	-5,669.90	-9,928.10	7,883.80	7,794.78	89.02	88.565		
8,200.00	6,090.64	3,984.00	3,853.59	95.60	22.08	48.82	-5,670.50	-9,943.31	7,855.61	7,764.96	90.64	86.664		
8,300.00	6,156.60	3,984.00	3,853.59	97.02	22.08	48.82	-5,670.50	-9,943.31	7,828.06	7,736.09	91.98	85.110		
8,400.00	6,222.55	4,022.23	3,890.02	98.45	22.33	49.00	-5,671.06	-9,954.91	7,801.54	7,708.00	93.54	83.405		
8,500.00	6,288.51	4,066.58	3,932.22	99.87	22.63	49.21	-5,671.84	-9,968.51	7,775.79	7,680.65	95.14	81.727		
8,600.00	6,354.46	6,399.38	6,218.17	101.29	33.41	61.20	-5,661.34	-10,368.41	7,746.91	7,640.50	106.41	72.800		
8,700.00	6,420.41	6,497.24	6,316.01	102.72	33.67	61.74	-5,660.69	-10,370.50	7,701.49	7,593.25	108.24	71.152		
8,800.00	6,486.37	6,572.80	6,391.55	104.14	33.87	62.17	-5,660.15	-10,371.93	7,656.36	7,546.32	110.04	69.579		
8,900.00	6,552.32	6,657.16	6,475.89	105.57	34.09	62.64	-5,659.49	-10,373.38	7,611.59	7,499.72	111.87	68.041		
9,000.00	6,618.28	6,746.05	6,564.77	106.99	34.32	63.15	-5,658.76	-10,374.65	7,567.10	7,453.38	113.72	66.542		
9,100.00	6,684.23	6,832.87	6,651.58	108.42	34.54	63.65	-5,658.15	-10,375.63	7,522.91	7,407.33	115.58	65.090		
9,200.00	6,750.18	6,925.00	6,743.71	109.84	34.78	64.18	-5,657.67	-10,376.37	7,479.01	7,361.56	117.46	63.675		
9,300.00	6,816.14	7,007.15	6,825.85	111.26	34.99	64.66	-5,657.35	-10,376.75	7,435.39	7,316.06	119.33	62.309		
9,400.00	6,882.09	7,071.12	6,889.83	112.69	35.15	65.03	-5,657.14	-10,377.00	7,392.25	7,271.06	121.19	60.998		
9,500.00	6,948.05	7,138.02	6,956.73	114.11	35.32	65.43	-5,656.96	-10,377.28	7,349.63	7,226.56	123.06	59.722		
9,600.00	7,014.00	7,208.98	7,027.68	115.54	35.50	65.84	-5,657.02	-10,377.51	7,307.50	7,182.54	124.96	58.481		
9,700.00	7,079.88	7,321.22	7,139.92	116.97	35.76	65.08	-5,657.75	-10,377.25	7,265.22	7,138.31	126.91	57.249		
9,800.00	7,142.10	7,459.54	7,278.23	118.48	36.07	58.63	-5,659.30	-10,375.86	7,212.93	7,084.12	128.81	55.998		
9,900.00	7,197.32	7,547.04	7,365.70	120.08	36.26	53.47	-5,660.82	-10,374.39	7,146.74	7,016.25	130.49	54.768		
10,000.00	7,243.87	7,622.25	7,440.88	121.71	36.43	49.76	-5,662.38	-10,372.78	7,068.65	6,936.72	131.93	53.577		
10,100.00	7,280.34	7,653.26	7,471.87	123.32	36.49	46.99	-5,663.05	-10,372.08	6,981.06	6,848.00	133.06	52.467		
10,200.00	7,305.62	7,677.78	7,496.38	124.84	36.55	45.35	-5,663.58	-10,371.52	6,886.54	6,752.71	133.83	51.456		
10,300.00	7,318.93	7,689.52	7,508.11	126.22	36.57	44.90	-5,663.83	-10,371.25	6,787.89	6,653.67	134.22	50.574		
10,400.00	7,321.00	7,689.32	7,507.92	127.44	36.57	-136.20	-5,663.82	-10,371.25	6,687.94	6,553.72	134.22	49.827		
10,500.00	7,321.00	7,686.94	7,505.53	128.66	36.57	-135.76	-5,663.77	-10,371.31	6,587.99	6,453.83	134.16	49.107		
10,600.00	7,321.00	7,684.56	7,503.16	129.91	36.56	-135.30	-5,663.72	-10,371.36	6,488.04	6,353.95	134.09	48.386		
10,700.00	7,321.00	7,682.18	7,500.78	131.19	36.56	-134.84	-5,663.67	-10,371.42	6,388.09	6,254.07	134.02	47.665		
10,800.00	7,321.00	7,679.81	7,498.41	132.51	36.55	-134.38	-5,663.62	-10,371.47	6,288.14	6,154.19	133.95	46.944		
10,900.00	7,321.00	7,677.44	7,496.03	133.87	36.55	-133.90	-5,663.57	-10,371.53	6,188.19	6,054.32	133.88	46.223		
11,000.00	7,321.00	7,675.07	7,493.66	135.26	36.54	-133.42	-5,663.52	-10,371.58	6,088.25	5,954.45	133.80	45.502		
11,100.00	7,321.00	7,672.70	7,491.30	136.68	36.54	-132.93	-5,663.47	-10,371.63	5,988.30	5,854.58	133.72	44.781		
11,200.00	7,321.00	7,670.33	7,488.93	138.14	36.53	-132.43	-5,663.42	-10,371.69	5,888.36	5,754.71	133.64	44.060		
11,300.00	7,321.00	7,667.97	7,486.57	139.63	36.52	-131.93	-5,663.37	-10,371.74	5,788.41	5,654.85	133.56	43.339		
11,400.00	7,321.00	7,665.61	7,484.21	141.15	36.52	-131.42	-5,663.32	-10,371.80	5,688.47	5,554.99	133.48	42.617		
11,500.00	7,321.00	7,663.25	7,481.86	142.70	36.51	-130.90	-5,663.26	-10,371.85	5,588.53	5,455.13	133.39	41.896		
11,600.00	7,321.00	7,660.89	7,479.50	144.29	36.51	-130.37	-5,663.21	-10,371.90	5,488.58	5,355.28	133.30	41.175		
11,700.00	7,321.00	7,658.54	7,477.15	145.91	36.50	-129.83	-5,663.16	-10,371.96	5,388.64	5,255.44	133.21	40.453		
11,800.00	7,321.00	7,656.19	7,474.80	147.55	36.50	-129.28	-5,663.11	-10,372.01	5,288.71	5,155.60	133.11	39.732		
11,900.00	7,321.00	7,653.84	7,472.45	149.23	36.49	-128.73	-5,663.06	-10,372.07	5,188.77	5,055.76	133.01	39.011		
12,000.00	7,321.00	7,651.50	7,470.11	150.93	36.49	-128.17	-5,663.01	-10,372.12	5,088.83	4,955.93	132.91	38.289		
12,100.00	7,321.00	7,649.15	7,467.76	152.67	36.48	-127.60	-5,662.96	-10,372.17	4,988.90	4,856.10	132.80	37.568		
12,200.00	7,321.00	7,646.81	7,465.42	154.43	36.48	-127.02	-5,662.91	-10,372.23	4,888.96	4,756.28	132.69	36.846		
12,300.00	7,321.00	7,644.47	7,463.09	156.22	36.47	-126.43	-5,662.86	-10,372.28	4,789.03	4,656.46	132.57	36.125		
12,400.00	7,321.00	7,642.13	7,460.75	158.04	36.47	-125.83	-5,662.81	-10,372.33	4,689.10	4,556.66	132.45	35.404		
12,500.00	7,321.00	7,639.80	7,458.42	159.88	36.46	-125.22	-5,662.76	-10,372.39	4,589.18	4,456.86	132.32	34.682		
12,600.00	7,321.00	7,637.47	7,456.09	161.75	36.46	-124.61	-5,662.71	-10,372.44	4,489.25	4,357.06	132.19	33.961		
12,700.00	7,321.00	7,635.14	7,453.76	163.64	36.45	-123.98	-5,662.66	-10,372.49	4,389.33	4,257.28	132.05	33.240		
12,800.00	7,321.00	7,632.81	7,451.43	165.56	36.45	-123.35	-5,662.61	-10,372.55	4,289.41	4,157.50	131.91	32.519		
12,900.00	7,321.00	7,630.49	7,449.11	167.49	36.44	-122.70	-5,662.56	-10,372.60	4,189.49	4,057.73	131.75	31.798		
13,000.00	7,321.00	7,628.16	7,446.79	169.46	36.44	-122.05	-5,662.51	-10,372.65	4,089.57	3,957.98	131.60	31.077		
13,100.00	7,321.00	7,625.84	7,444.47	171.44	36.43	-121.39	-5,662.46	-10,372.70	3,989.66	3,858.23	131.43	30.356		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 99-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,200.00	7,321.00	7,623.53	7,442.15	173.45	36.43	-120.72	-5,662.41	-10,372.76	3,889.75	3,758.49	131.26	29.635		
13,300.00	7,321.00	7,621.21	7,439.84	175.47	36.42	-120.04	-5,662.36	-10,372.81	3,789.84	3,658.77	131.07	28.914		
13,400.00	7,321.00	7,621.62	7,440.25	177.52	36.42	-120.16	-5,662.37	-10,372.79	3,689.94	3,559.07	130.87	28.195		
13,500.00	7,321.00	7,618.70	7,437.33	179.58	36.42	-119.29	-5,662.31	-10,372.86	3,590.04	3,459.37	130.67	27.475		
13,600.00	7,321.00	7,615.83	7,434.46	181.67	36.41	-118.42	-5,662.24	-10,372.93	3,490.15	3,359.69	130.45	26.754		
13,700.00	7,321.00	7,612.99	7,431.62	183.77	36.41	-117.55	-5,662.18	-10,372.99	3,390.26	3,260.03	130.23	26.033		
13,800.00	7,321.00	7,610.20	7,428.83	185.89	36.40	-116.67	-5,662.12	-10,373.06	3,290.37	3,160.39	129.99	25.313		
13,900.00	7,321.00	7,607.44	7,426.07	188.02	36.39	-115.79	-5,662.06	-10,373.12	3,190.49	3,060.76	129.73	24.593		
14,000.00	7,321.00	7,604.72	7,423.35	190.18	36.39	-114.91	-5,662.00	-10,373.18	3,090.62	2,961.16	129.46	23.873		
14,100.00	7,321.00	7,602.03	7,420.67	192.35	36.38	-114.02	-5,661.94	-10,373.24	2,990.75	2,861.58	129.17	23.154		
14,200.00	7,321.00	7,599.38	7,418.02	194.53	36.38	-113.14	-5,661.88	-10,373.30	2,890.89	2,762.03	128.86	22.434		
14,300.00	7,321.00	7,596.77	7,415.41	196.73	36.37	-112.26	-5,661.83	-10,373.36	2,791.04	2,662.51	128.53	21.715		
14,400.00	7,321.00	7,594.19	7,412.83	198.95	36.36	-111.37	-5,661.77	-10,373.42	2,691.20	2,563.03	128.17	20.997		
14,500.00	7,321.00	7,591.64	7,410.28	201.17	36.36	-110.49	-5,661.72	-10,373.47	2,591.37	2,463.58	127.79	20.278		
14,600.00	7,321.00	7,589.13	7,407.77	203.42	36.35	-109.60	-5,661.67	-10,373.53	2,491.55	2,364.17	127.38	19.560		
14,700.00	7,321.00	7,586.65	7,405.29	205.67	36.35	-108.72	-5,661.61	-10,373.58	2,391.74	2,264.81	126.93	18.843		
14,800.00	7,321.00	7,584.20	7,402.85	207.94	36.34	-107.84	-5,661.56	-10,373.63	2,291.94	2,165.50	126.44	18.126		
14,900.00	7,321.00	7,581.79	7,400.43	210.22	36.34	-106.96	-5,661.51	-10,373.68	2,192.16	2,066.25	125.91	17.410		
15,000.00	7,321.00	7,579.40	7,398.05	212.51	36.33	-106.08	-5,661.46	-10,373.73	2,092.41	1,967.07	125.33	16.695		
15,100.00	7,321.00	7,577.04	7,395.69	214.81	36.33	-105.21	-5,661.41	-10,373.78	1,992.67	1,867.97	124.70	15.980		
15,200.00	7,321.00	7,574.72	7,393.37	217.12	36.32	-104.34	-5,661.37	-10,373.83	1,892.95	1,768.96	124.00	15.266		
15,300.00	7,321.00	7,572.42	7,391.07	219.45	36.32	-103.47	-5,661.32	-10,373.88	1,793.27	1,670.05	123.22	14.553		
15,400.00	7,321.00	7,570.15	7,388.80	221.78	36.31	-102.61	-5,661.27	-10,373.93	1,693.62	1,571.27	122.36	13.842		
15,500.00	7,321.00	7,567.91	7,386.56	224.13	36.31	-101.75	-5,661.23	-10,373.97	1,594.02	1,472.63	121.39	13.132		
15,600.00	7,321.00	7,565.70	7,384.35	226.48	36.30	-100.90	-5,661.18	-10,374.02	1,494.46	1,374.16	120.30	12.423		
15,700.00	7,321.00	7,563.51	7,382.16	228.85	36.30	-100.05	-5,661.14	-10,374.06	1,394.96	1,275.90	119.06	11.716		
15,800.00	7,321.00	7,561.35	7,380.00	231.22	36.29	-99.20	-5,661.10	-10,374.11	1,295.53	1,177.89	117.65	11.012		
15,900.00	7,321.00	7,559.21	7,377.87	233.60	36.29	-98.36	-5,661.05	-10,374.15	1,196.20	1,080.19	116.02	10.311		
16,000.00	7,321.00	7,557.10	7,375.76	235.99	36.28	-97.53	-5,661.01	-10,374.19	1,096.99	982.87	114.12	9.612		
16,100.00	7,321.00	7,555.02	7,373.67	238.39	36.28	-96.70	-5,660.97	-10,374.23	997.93	886.03	111.90	8.918		
16,200.00	7,321.00	7,552.96	7,371.62	240.79	36.27	-95.88	-5,660.93	-10,374.27	899.07	789.80	109.27	8.228		
16,300.00	7,321.00	7,550.92	7,369.58	243.21	36.27	-95.07	-5,660.89	-10,374.31	800.49	694.36	106.13	7.542		
16,400.00	7,321.00	7,548.91	7,367.57	245.63	36.27	-94.26	-5,660.85	-10,374.35	702.30	599.92	102.38	6.860		
16,500.00	7,321.00	7,546.92	7,365.58	248.06	36.26	-93.47	-5,660.82	-10,374.39	604.71	506.74	97.97	6.172		
16,600.00	7,321.00	7,544.96	7,363.62	250.49	36.26	-92.67	-5,660.78	-10,374.43	508.04	414.86	93.18	5.452		
16,700.00	7,321.00	7,543.01	7,361.67	252.93	36.25	-91.89	-5,660.74	-10,374.46	412.96	323.32	89.64	4.607		
16,800.00	7,321.00	7,541.09	7,359.75	255.38	36.25	-91.11	-5,660.70	-10,374.50	320.86	227.01	86.13	3.849		
16,900.00	7,321.00	7,539.19	7,357.86	257.84	36.24	-90.35	-5,660.67	-10,374.54	235.30	132.36	82.94	3.114		
17,000.00	7,321.00	7,537.32	7,355.98	260.30	36.24	-89.59	-5,660.63	-10,374.57	166.65	58.58	79.73	2.444		
17,088.02	7,321.00	7,535.68	7,354.34	262.47	36.24	-88.92	-5,660.60	-10,374.60	141.52	-141.56	283.07	0.500 Level 1, CC		
17,100.00	7,321.00	7,535.46	7,354.12	262.76	36.24	-88.83	-5,660.60	-10,374.61	142.02	-147.85	289.88	0.490 Level 1, ES, SF		
17,200.00	7,321.00	7,533.62	7,352.29	265.24	36.23	-88.09	-5,660.56	-10,374.64	180.45	-105.96	286.41	0.630 Level 1		
17,300.00	7,321.00	7,531.81	7,350.47	267.72	36.23	-87.36	-5,660.53	-10,374.67	254.85	4.95	249.90	1.020 Level 2		
17,400.00	7,321.00	7,530.01	7,348.68	270.20	36.22	-86.63	-5,660.50	-10,374.71	342.53	119.38	223.15	1.535		
17,500.00	7,321.00	7,528.23	7,346.90	272.69	36.22	-85.91	-5,660.46	-10,374.74	435.54	229.88	205.66	2.118		
17,600.00	7,321.00	7,526.48	7,345.14	275.18	36.22	-85.20	-5,660.43	-10,374.77	531.10	337.28	193.82	2.740		
17,700.00	7,321.00	7,524.74	7,343.41	277.68	36.21	-84.50	-5,660.40	-10,374.80	628.03	442.62	185.41	3.387		
17,800.00	7,321.00	7,523.02	7,341.69	280.19	36.21	-83.98	-5,660.37	-10,374.83	725.78	546.62	179.16	4.051		
17,900.00	7,321.00	7,521.36	7,340.03	282.71	36.21	-84.35	-5,660.34	-10,374.86	823.66	649.84	173.82	4.739		
18,000.00	7,321.00	7,519.78	7,338.45	285.26	36.20	-84.74	-5,660.31	-10,374.89	921.33	752.50	168.83	5.457		
18,100.00	7,321.00	7,518.28	7,336.95	287.83	36.20	-85.11	-5,660.28	-10,374.92	1,018.76	854.65	164.11	6.208		
18,200.00	7,321.00	7,516.86	7,335.53	290.41	36.20	-85.46	-5,660.26	-10,374.94	1,115.91	956.33	159.59	6.993		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
18,300.00	7,321.00	7,515.51	7,334.18	293.00	36.19	-85.66	-5,660.23	-10,374.97	1,212.77	1,057.53	155.24	7.812		
18,400.00	7,321.00	7,514.20	7,332.87	295.59	36.19	-85.42	-5,660.21	-10,374.99	1,309.86	1,158.48	151.38	8.653		
18,500.00	7,321.00	7,512.90	7,331.57	298.19	36.19	-85.17	-5,660.19	-10,375.01	1,407.35	1,259.28	148.07	9.504		
18,600.00	7,321.00	7,511.61	7,330.28	300.78	36.18	-84.93	-5,660.16	-10,375.03	1,505.18	1,359.96	145.21	10.365		
18,700.00	7,321.00	7,510.33	7,329.00	303.38	36.18	-84.68	-5,660.14	-10,375.06	1,603.27	1,460.55	142.72	11.234		
18,800.00	7,321.00	7,509.07	7,327.74	305.98	36.18	-84.44	-5,660.12	-10,375.08	1,701.58	1,561.06	140.52	12.109		
18,900.00	7,321.00	7,507.81	7,326.48	308.58	36.18	-84.21	-5,660.10	-10,375.10	1,800.08	1,661.49	138.58	12.989		
19,000.00	7,321.00	7,506.57	7,325.24	311.18	36.17	-83.97	-5,660.07	-10,375.12	1,898.73	1,761.87	136.86	13.874		
19,100.00	7,321.00	7,505.33	7,324.01	313.78	36.17	-83.74	-5,660.05	-10,375.14	1,997.52	1,862.20	135.31	14.762		
19,200.00	7,321.00	7,504.11	7,322.79	316.39	36.17	-83.51	-5,660.03	-10,375.16	2,096.42	1,962.49	133.93	15.654		
19,300.00	7,321.00	7,502.90	7,321.57	318.99	36.17	-83.28	-5,660.01	-10,375.18	2,195.42	2,062.74	132.67	16.548		
19,400.00	7,321.00	7,501.70	7,320.37	321.60	36.16	-83.05	-5,659.99	-10,375.20	2,294.50	2,162.96	131.54	17.444		
19,500.00	7,321.00	7,500.51	7,319.18	324.21	36.16	-82.60	-5,659.97	-10,375.22	2,393.67	2,263.16	130.51	18.341		
19,600.00	7,321.00	7,499.29	7,317.96	326.81	36.16	-79.28	-5,659.95	-10,375.24	2,493.12	2,363.40	129.73	19.218		
19,700.00	7,321.00	7,498.02	7,316.70	329.42	36.16	-71.10	-5,659.92	-10,375.26	2,592.90	2,463.63	129.27	20.058		
19,800.00	7,321.00	7,496.71	7,315.38	332.01	36.15	-31.47	-5,659.90	-10,375.28	2,692.85	2,563.75	129.10	20.859		
19,900.00	7,321.00	7,495.35	7,314.03	334.60	36.15	58.56	-5,659.88	-10,375.31	2,792.83	2,663.65	129.18	21.619		
20,000.00	7,321.00	7,493.96	7,312.63	337.16	36.15	75.33	-5,659.86	-10,375.33	2,892.72	2,763.23	129.49	22.339		
20,100.00	7,321.00	7,492.55	7,311.22	339.72	36.14	75.81	-5,659.83	-10,375.35	2,992.52	2,862.60	129.92	23.033		
20,200.00	7,321.00	7,491.15	7,309.82	342.28	36.14	75.40	-5,659.81	-10,375.37	3,092.33	2,962.01	130.33	23.728		
20,300.00	7,321.00	7,482.00	7,300.68	344.84	36.12	72.74	-5,659.66	-10,375.52	3,192.17	3,061.56	130.61	24.441		
20,400.00	7,321.00	7,482.00	7,300.68	347.40	36.12	72.74	-5,659.66	-10,375.52	3,291.99	3,161.00	130.99	25.132		
20,500.00	7,321.00	7,482.00	7,300.68	349.97	36.12	72.74	-5,659.66	-10,375.52	3,391.83	3,260.48	131.35	25.823		
20,540.60	7,321.00	7,482.00	7,300.68	351.01	36.12	72.74	-5,659.66	-10,375.52	3,432.37	3,300.88	131.49	26.103		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	2,528.95	856.00	852.39	19.37	2.97	34.94	-5,679.22	-9,023.40	9,976.48	9,960.13	16.35	610.009		
2,900.00	2,595.08	856.00	852.39	20.72	2.97	35.20	-5,679.22	-9,023.40	9,924.03	9,906.89	17.14	578.884		
3,000.00	2,661.04	856.00	852.39	22.08	2.97	35.20	-5,679.22	-9,023.40	9,872.15	9,854.21	17.95	550.082		
3,100.00	2,726.99	856.00	852.39	23.46	2.97	35.20	-5,679.22	-9,023.40	9,821.02	9,802.25	18.77	523.335		
3,200.00	2,792.94	856.00	852.39	24.84	2.97	35.20	-5,679.22	-9,023.40	9,770.64	9,751.04	19.60	498.484		
3,300.00	2,858.90	910.83	906.08	26.22	3.23	35.34	-5,687.16	-9,031.21	9,720.32	9,699.66	20.65	470.605		
3,400.00	2,924.85	928.32	923.15	27.61	3.32	35.39	-5,689.87	-9,033.86	9,670.96	9,649.38	21.58	448.120		
3,500.00	2,990.81	981.00	974.41	29.00	3.57	35.53	-5,698.57	-9,042.31	9,622.53	9,599.88	22.65	424.877		
3,600.00	3,056.76	981.00	974.41	30.40	3.57	35.53	-5,698.57	-9,042.31	9,574.24	9,550.71	23.53	406.836		
3,700.00	3,122.71	981.00	974.41	31.80	3.57	35.53	-5,698.57	-9,042.31	9,526.75	9,502.32	24.43	389.957		
3,800.00	3,188.67	1,019.46	1,011.72	33.20	3.77	35.63	-5,705.27	-9,048.81	9,479.91	9,454.42	25.49	371.929		
3,900.00	3,254.62	1,056.49	1,047.59	34.60	3.96	35.72	-5,711.87	-9,055.19	9,433.57	9,407.03	26.54	355.405		
4,000.00	3,320.58	1,108.00	1,097.42	36.01	4.22	35.86	-5,721.28	-9,064.26	9,387.77	9,360.10	27.67	339.284		
4,100.00	3,386.53	1,187.97	1,174.71	37.41	4.65	36.06	-5,736.33	-9,078.26	9,342.28	9,313.36	28.92	323.054		
4,200.00	3,452.48	1,233.00	1,218.22	38.82	4.90	36.18	-5,745.02	-9,085.91	9,296.83	9,266.78	30.04	309.449		
4,300.00	3,518.44	1,290.87	1,274.09	40.23	5.22	36.32	-5,756.27	-9,095.91	9,251.73	9,220.50	31.23	296.248		
4,400.00	3,584.39	1,358.00	1,338.79	41.64	5.59	36.50	-5,769.32	-9,108.19	9,207.38	9,174.92	32.46	283.623		
4,500.00	3,650.35	1,358.00	1,338.79	43.05	5.59	36.50	-5,769.32	-9,108.19	9,163.32	9,129.88	33.44	274.016		
4,600.00	3,716.30	1,358.00	1,338.79	44.46	5.59	36.50	-5,769.32	-9,108.19	9,120.15	9,085.73	34.43	264.918		
4,700.00	3,782.25	1,358.00	1,338.79	45.88	5.59	36.50	-5,769.32	-9,108.19	9,077.88	9,042.46	35.42	256.296		
4,800.00	3,848.21	1,412.21	1,390.85	47.29	5.91	36.64	-5,779.87	-9,119.05	9,035.74	8,999.10	36.64	246.597		
4,900.00	3,914.16	1,429.90	1,407.76	48.71	6.01	36.69	-5,783.33	-9,122.87	8,994.70	8,956.98	37.72	238.436		
5,000.00	3,980.12	1,483.00	1,458.37	50.12	6.33	36.84	-5,793.72	-9,135.17	8,954.76	8,915.80	38.96	229.839		
5,100.00	4,046.07	1,483.00	1,458.37	51.54	6.33	36.84	-5,793.72	-9,135.17	8,915.01	8,875.03	39.99	222.955		
5,200.00	4,112.02	1,483.00	1,458.37	52.95	6.33	36.84	-5,793.72	-9,135.17	8,876.21	8,835.20	41.02	216.406		
5,300.00	4,177.98	1,483.00	1,458.37	54.37	6.33	36.84	-5,793.72	-9,135.17	8,838.37	8,796.32	42.05	210.172		
5,400.00	4,243.93	1,541.60	1,513.89	55.79	6.70	37.00	-5,805.58	-9,149.64	8,800.94	8,757.58	43.35	203.004		
5,500.00	4,309.89	1,608.00	1,576.48	57.21	7.12	37.18	-5,819.94	-9,166.56	8,764.57	8,719.87	44.69	196.098		
5,600.00	4,375.84	1,608.00	1,576.48	58.63	7.12	37.18	-5,819.94	-9,166.56	8,728.46	8,682.71	45.75	190.775		
5,700.00	4,441.79	1,608.00	1,576.48	60.05	7.12	37.18	-5,819.94	-9,166.56	8,693.35	8,646.53	46.81	185.697		
5,800.00	4,507.75	1,608.00	1,576.48	61.47	7.12	37.18	-5,819.94	-9,166.56	8,659.25	8,611.37	47.88	180.849		
5,900.00	4,573.70	1,608.00	1,576.48	62.89	7.12	37.18	-5,819.94	-9,166.56	8,626.18	8,577.23	48.95	176.221		
6,000.00	4,639.66	1,674.24	1,638.39	64.31	7.58	37.36	-5,835.07	-9,184.58	8,592.89	8,542.55	50.34	170.692		
6,100.00	4,705.61	1,733.00	1,692.73	65.73	7.99	37.52	-5,849.06	-9,202.03	8,561.61	8,509.91	51.70	165.587		
6,200.00	4,771.56	1,733.00	1,692.73	67.15	7.99	37.52	-5,849.06	-9,202.03	8,530.40	8,477.61	52.79	161.587		
6,300.00	4,837.52	1,733.00	1,692.73	68.57	7.99	37.52	-5,849.06	-9,202.03	8,500.24	8,446.36	53.88	157.762		
6,400.00	4,903.47	1,788.59	1,743.79	69.99	8.41	37.67	-5,863.01	-9,219.00	8,470.95	8,415.69	55.26	153.296		
6,500.00	4,969.43	1,858.00	1,807.33	71.41	8.93	37.85	-5,881.75	-9,239.73	8,441.98	8,385.26	56.71	148.861		
6,600.00	5,035.38	1,940.46	1,882.72	72.83	9.56	38.06	-5,904.34	-9,264.32	8,413.27	8,355.03	58.25	144.443		
6,700.00	5,101.33	2,063.07	1,995.05	74.25	10.51	38.38	-5,936.44	-9,301.55	8,384.76	8,324.75	60.01	139.727		
6,800.00	5,167.29	2,141.89	2,067.40	75.67	11.12	38.59	-5,956.87	-9,325.22	8,355.99	8,294.44	61.55	135.759		
6,900.00	5,233.24	2,186.69	2,108.46	77.10	11.46	38.71	-5,968.39	-9,338.94	8,327.80	8,264.88	62.92	132.351		
7,000.00	5,299.20	2,233.00	2,150.84	78.52	11.83	38.84	-5,980.21	-9,353.40	8,300.24	8,235.93	64.31	129.067		
7,100.00	5,365.15	2,529.33	2,423.71	79.94	14.11	39.68	-6,051.79	-9,444.02	8,271.44	8,204.38	67.06	123.341		
7,200.00	5,431.10	2,565.88	2,457.35	81.36	14.39	39.78	-6,061.39	-9,454.62	8,242.50	8,174.08	68.43	120.456		
7,300.00	5,497.06	2,607.00	2,495.03	82.79	14.71	39.89	-6,072.64	-9,466.63	8,214.28	8,144.46	69.82	117.646		
7,400.00	5,563.01	2,607.00	2,495.03	84.21	14.71	39.89	-6,072.64	-9,466.63	8,186.94	8,115.94	71.00	115.314		
7,500.00	5,628.97	2,677.49	2,559.34	85.63	15.28	40.08	-6,092.34	-9,487.74	8,159.99	8,087.42	72.57	112.436		
7,600.00	5,694.92	2,732.00	2,608.86	87.06	15.73	40.22	-6,107.60	-9,504.63	8,133.98	8,059.91	74.07	109.814		
7,700.00	5,760.87	2,732.00	2,608.86	88.48	15.73	40.22	-6,107.60	-9,504.63	8,108.68	8,033.43	75.25	107.749		
7,800.00	5,826.83	2,790.13	2,661.45	89.90	16.22	40.38	-6,124.09	-9,523.11	8,084.04	8,007.25	76.79	105.275		
7,900.00	5,892.78	2,889.75	2,751.15	91.33	17.05	40.64	-6,153.04	-9,555.36	8,060.26	7,981.67	78.58	102.572		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	5,958.74	3,032.85	2,880.59	92.75	18.25	41.03	-6,193.59	-9,600.94	8,035.86	7,955.21	80.65	99.643		
8,100.00	6,024.69	3,107.00	2,947.84	94.17	18.87	41.24	-6,213.38	-9,625.09	8,011.69	7,929.38	82.31	97.333		
8,200.00	6,090.64	3,556.65	3,359.07	95.60	22.50	42.52	-6,332.98	-9,761.55	7,986.48	7,900.30	86.18	92.668		
8,300.00	6,156.60	3,667.92	3,461.53	97.02	23.36	42.83	-6,363.66	-9,792.23	7,958.49	7,870.40	88.08	90.352		
8,400.00	6,222.55	3,819.47	3,601.76	98.45	24.52	43.27	-6,403.59	-9,833.52	7,929.90	7,839.68	90.22	87.899		
8,500.00	6,288.51	3,857.00	3,636.60	99.87	24.80	43.38	-6,413.04	-9,843.79	7,901.45	7,809.71	91.73	86.135		
8,600.00	6,354.46	3,915.37	3,690.63	101.29	25.25	43.55	-6,428.12	-9,859.92	7,873.56	7,780.18	93.38	84.318		
8,700.00	6,420.41	3,982.00	3,751.87	102.72	25.77	43.74	-6,446.50	-9,878.64	7,846.59	7,751.52	95.07	82.531		
8,800.00	6,486.37	3,982.00	3,751.87	104.14	25.77	43.74	-6,446.50	-9,878.64	7,820.15	7,723.76	96.39	81.127		
8,900.00	6,552.32	4,042.79	3,807.41	105.57	26.27	43.91	-6,464.12	-9,895.98	7,794.46	7,696.38	98.08	79.471		
9,000.00	6,618.28	4,106.00	3,864.89	106.99	26.78	44.08	-6,483.05	-9,914.25	7,769.47	7,669.68	99.78	77.864		
9,100.00	6,684.23	4,144.52	3,899.78	108.42	27.11	44.19	-6,494.90	-9,925.48	7,745.04	7,643.69	101.35	76.419		
9,200.00	6,750.18	4,279.16	4,021.44	109.84	28.23	44.54	-6,537.24	-9,964.62	7,721.14	7,617.62	103.52	74.589		
9,300.00	6,816.14	7,041.22	6,677.61	111.26	42.53	55.79	-6,916.33	-10,424.84	7,695.12	7,580.42	114.70	67.090		
9,400.00	6,882.09	7,105.00	6,741.36	112.69	42.66	56.14	-6,915.83	-10,426.52	7,643.86	7,527.37	116.50	65.614		
9,500.00	6,948.05	7,155.92	6,792.26	114.11	42.78	56.42	-6,915.51	-10,427.90	7,593.07	7,474.77	118.31	64.182		
9,600.00	7,014.00	7,218.88	6,855.20	115.54	42.92	56.77	-6,915.17	-10,429.62	7,542.72	7,422.57	120.14	62.782		
9,700.00	7,079.88	7,298.05	6,934.34	116.97	43.10	55.61	-6,914.97	-10,431.70	7,492.51	7,370.50	122.01	61.409		
9,800.00	7,142.10	7,383.06	7,019.33	118.48	43.30	47.42	-6,915.26	-10,433.63	7,433.22	7,309.45	123.77	60.057		
9,900.00	7,197.32	7,473.94	7,110.19	120.08	43.52	39.94	-6,916.44	-10,435.14	7,361.18	7,235.90	125.28	58.757		
10,000.00	7,243.87	7,593.35	7,229.58	121.71	43.79	32.45	-6,918.09	-10,436.23	7,278.35	7,151.87	126.49	57.543		
10,100.00	7,280.34	7,651.72	7,287.95	123.32	43.92	21.71	-6,918.29	-10,436.49	7,187.27	7,060.02	127.25	56.480		
10,200.00	7,305.62	7,688.59	7,324.82	124.84	43.99	-1.64	-6,918.06	-10,436.65	7,090.89	6,963.31	127.58	55.580		
10,300.00	7,318.93	7,708.09	7,344.32	126.22	44.03	-61.01	-6,917.82	-10,436.74	6,992.17	6,864.73	127.44	54.866		
10,400.00	7,321.00	7,711.63	7,347.86	127.44	44.04	-89.67	-6,917.77	-10,436.75	6,893.91	6,767.04	126.87	54.339		
10,500.00	7,321.00	7,712.25	7,348.48	128.66	44.04	-89.69	-6,917.76	-10,436.75	6,796.02	6,669.81	126.20	53.850		
10,600.00	7,321.00	7,712.87	7,349.10	129.91	44.04	-89.72	-6,917.75	-10,436.76	6,698.19	6,572.67	125.52	53.363		
10,700.00	7,321.00	7,713.49	7,349.71	131.19	44.04	-89.74	-6,917.74	-10,436.76	6,600.43	6,475.61	124.82	52.879		
10,800.00	7,321.00	7,714.11	7,350.33	132.51	44.05	-89.77	-6,917.73	-10,436.76	6,502.73	6,378.63	124.10	52.397		
10,900.00	7,321.00	7,714.73	7,350.95	133.87	44.05	-89.79	-6,917.72	-10,436.76	6,405.11	6,281.74	123.37	51.919		
11,000.00	7,321.00	7,715.34	7,351.57	135.26	44.05	-89.82	-6,917.71	-10,436.77	6,307.56	6,184.95	122.61	51.445		
11,100.00	7,321.00	7,715.96	7,352.19	136.68	44.05	-89.84	-6,917.70	-10,436.77	6,210.09	6,088.26	121.83	50.973		
11,200.00	7,321.00	7,716.58	7,352.81	138.14	44.05	-89.87	-6,917.69	-10,436.77	6,112.70	5,991.67	121.03	50.505		
11,300.00	7,321.00	7,717.20	7,353.42	139.63	44.05	-89.89	-6,917.68	-10,436.77	6,015.40	5,895.19	120.21	50.041		
11,400.00	7,321.00	7,717.82	7,354.04	141.15	44.05	-89.92	-6,917.67	-10,436.78	5,918.18	5,798.82	119.36	49.581		
11,500.00	7,321.00	7,718.43	7,354.66	142.70	44.05	-89.95	-6,917.66	-10,436.78	5,821.06	5,702.57	118.50	49.124		
11,600.00	7,321.00	7,719.05	7,355.28	144.29	44.06	-89.97	-6,917.65	-10,436.78	5,724.04	5,606.44	117.60	48.672		
11,700.00	7,321.00	7,719.67	7,355.89	145.91	44.06	-90.00	-6,917.64	-10,436.79	5,627.13	5,510.44	116.69	48.224		
11,800.00	7,321.00	7,720.28	7,356.51	147.55	44.06	-90.02	-6,917.63	-10,436.79	5,530.32	5,414.57	115.75	47.780		
11,900.00	7,321.00	7,720.90	7,357.13	149.23	44.06	-90.05	-6,917.62	-10,436.79	5,433.63	5,318.85	114.78	47.341		
12,000.00	7,321.00	7,721.52	7,357.74	150.93	44.06	-90.07	-6,917.61	-10,436.79	5,337.06	5,223.28	113.78	46.907		
12,100.00	7,321.00	7,722.13	7,358.36	152.67	44.06	-90.10	-6,917.60	-10,436.80	5,240.62	5,127.86	112.76	46.477		
12,200.00	7,321.00	7,722.75	7,358.97	154.43	44.06	-90.12	-6,917.59	-10,436.80	5,144.31	5,032.61	111.71	46.052		
12,300.00	7,321.00	7,723.36	7,359.59	156.22	44.07	-90.15	-6,917.57	-10,436.80	5,048.15	4,937.53	110.63	45.633		
12,400.00	7,321.00	7,723.98	7,360.20	158.04	44.07	-90.17	-6,917.56	-10,436.80	4,952.14	4,842.63	109.52	45.218		
12,500.00	7,321.00	7,724.60	7,360.82	159.88	44.07	-90.20	-6,917.55	-10,436.81	4,856.30	4,747.92	108.38	44.808		
12,600.00	7,321.00	7,725.21	7,361.43	161.75	44.07	-90.22	-6,917.54	-10,436.81	4,760.62	4,653.40	107.21	44.403		
12,700.00	7,321.00	7,725.82	7,362.05	163.64	44.07	-90.25	-6,917.53	-10,436.81	4,665.12	4,559.10	106.02	44.002		
12,800.00	7,321.00	7,726.44	7,362.66	165.56	44.07	-90.27	-6,917.52	-10,436.81	4,569.82	4,465.02	104.80	43.606		
12,900.00	7,321.00	7,727.05	7,363.28	167.49	44.07	-90.30	-6,917.51	-10,436.82	4,474.72	4,371.17	103.55	43.213		
13,000.00	7,321.00	7,727.67	7,363.89	169.46	44.07	-90.32	-6,917.50	-10,436.82	4,379.84	4,277.56	102.28	42.823		
13,100.00	7,321.00	7,728.28	7,364.51	171.44	44.08	-90.35	-6,917.49	-10,436.82	4,285.19	4,184.21	100.98	42.435		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	7,321.00	7,728.90	7,365.12	173.45	44.08	-90.37	-6,917.47	-10,436.83	4,190.80	4,091.13	99.67	42.047		
13,300.00	7,321.00	7,729.51	7,365.73	175.47	44.08	-90.40	-6,917.46	-10,436.83	4,096.66	3,998.32	98.34	41.657		
13,400.00	7,321.00	7,730.12	7,366.35	177.52	44.08	-90.42	-6,917.45	-10,436.83	4,002.81	3,905.81	97.01	41.264		
13,500.00	7,321.00	7,730.73	7,366.96	179.58	44.08	-90.45	-6,917.44	-10,436.83	3,909.27	3,813.60	95.67	40.863		
13,600.00	7,321.00	7,731.35	7,367.57	181.67	44.08	-90.47	-6,917.43	-10,436.84	3,816.06	3,721.72	94.34	40.452		
13,700.00	7,321.00	7,731.96	7,368.18	183.77	44.08	-90.50	-6,917.42	-10,436.84	3,723.19	3,630.17	93.03	40.023		
13,800.00	7,321.00	7,732.57	7,368.80	185.89	44.08	-90.52	-6,917.40	-10,436.84	3,630.71	3,538.96	91.75	39.572		
13,900.00	7,321.00	7,733.18	7,369.41	188.02	44.09	-90.55	-6,917.39	-10,436.84	3,538.63	3,448.11	90.52	39.090		
14,000.00	7,321.00	7,733.80	7,370.02	190.18	44.09	-90.57	-6,917.38	-10,436.85	3,447.00	3,357.62	89.37	38.568		
14,100.00	7,321.00	7,734.41	7,370.63	192.35	44.09	-90.60	-6,917.37	-10,436.85	3,355.84	3,267.51	88.33	37.993		
14,200.00	7,321.00	7,735.02	7,371.24	194.53	44.09	-90.62	-6,917.36	-10,436.85	3,265.20	3,177.79	87.41	37.354		
14,300.00	7,321.00	7,735.63	7,371.85	196.73	44.09	-90.65	-6,917.34	-10,436.85	3,175.12	3,088.45	86.67	36.634		
14,400.00	7,321.00	7,736.24	7,372.46	198.95	44.09	-90.67	-6,917.33	-10,436.86	3,085.66	2,999.51	86.15	35.818		
14,500.00	7,321.00	7,736.85	7,373.07	201.17	44.09	-90.70	-6,917.32	-10,436.86	2,996.86	2,910.97	85.89	34.892		
14,600.00	7,321.00	7,737.46	7,373.69	203.42	44.09	-90.72	-6,917.31	-10,436.86	2,908.78	2,822.83	85.95	33.841		
14,700.00	7,321.00	7,738.07	7,374.30	205.67	44.10	-90.75	-6,917.29	-10,436.86	2,821.50	2,735.10	86.40	32.656		
14,800.00	7,321.00	7,738.68	7,374.91	207.94	44.10	-90.77	-6,917.28	-10,436.87	2,735.10	2,647.81	87.29	31.334		
14,900.00	7,321.00	7,739.29	7,375.52	210.22	44.10	-90.80	-6,917.27	-10,436.87	2,649.65	2,560.97	88.67	29.880		
15,000.00	7,321.00	7,739.90	7,376.13	212.51	44.10	-90.82	-6,917.26	-10,436.87	2,565.25	2,474.63	90.62	28.308		
15,100.00	7,321.00	7,740.51	7,376.73	214.81	44.10	-90.85	-6,917.24	-10,436.88	2,482.01	2,388.84	93.17	26.640		
15,200.00	7,321.00	7,741.12	7,377.34	217.12	44.10	-90.87	-6,917.23	-10,436.88	2,400.05	2,303.68	96.37	24.904		
15,300.00	7,321.00	7,741.73	7,377.95	219.45	44.10	-90.90	-6,917.22	-10,436.88	2,319.50	2,219.24	100.26	23.134		
15,400.00	7,321.00	7,742.34	7,378.56	221.78	44.10	-90.92	-6,917.20	-10,436.88	2,240.53	2,135.65	104.88	21.364		
15,500.00	7,321.00	7,742.95	7,379.17	224.13	44.11	-90.95	-6,917.19	-10,436.89	2,163.29	2,053.06	110.23	19.625		
15,600.00	7,321.00	7,743.56	7,379.78	226.48	44.11	-90.97	-6,917.18	-10,436.89	2,087.99	1,971.63	116.36	17.944		
15,700.00	7,321.00	7,744.17	7,380.39	228.85	44.11	-91.00	-6,917.16	-10,436.89	2,014.84	1,891.57	123.27	16.345		
15,800.00	7,321.00	7,744.77	7,380.99	231.22	44.11	-91.02	-6,917.15	-10,436.89	1,944.07	1,813.10	130.98	14.843		
15,900.00	7,321.00	7,745.38	7,381.60	233.60	44.11	-91.05	-6,917.14	-10,436.90	1,875.98	1,736.49	139.49	13.449		
16,000.00	7,321.00	7,745.99	7,382.21	235.99	44.11	-91.07	-6,917.12	-10,436.90	1,810.84	1,662.04	148.80	12.169		
16,100.00	7,321.00	7,746.60	7,382.82	238.39	44.11	-91.10	-6,917.11	-10,436.90	1,749.00	1,590.10	158.91	11.007		
16,200.00	7,321.00	7,747.20	7,383.42	240.79	44.11	-91.12	-6,917.10	-10,436.90	1,690.82	1,521.06	169.76	9.960		
16,300.00	7,321.00	7,747.81	7,384.03	243.21	44.12	-91.15	-6,917.08	-10,436.91	1,636.69	1,455.37	181.31	9.027		
16,400.00	7,321.00	7,748.42	7,384.64	245.63	44.12	-91.17	-6,917.07	-10,436.91	1,587.01	1,393.54	193.47	8.203		
16,500.00	7,321.00	7,749.02	7,385.24	248.06	44.12	-91.20	-6,917.06	-10,436.91	1,542.23	1,336.11	206.12	7.482		
16,600.00	7,321.00	7,749.63	7,385.85	250.49	44.12	-91.22	-6,917.04	-10,436.91	1,502.77	1,283.68	219.09	6.859		
16,700.00	7,321.00	7,750.24	7,386.46	252.93	44.12	-91.25	-6,917.03	-10,436.92	1,469.08	1,236.89	232.18	6.327		
16,800.00	7,321.00	7,750.84	7,387.06	255.38	44.12	-91.27	-6,917.01	-10,436.92	1,441.54	1,196.38	245.16	5.880		
16,900.00	7,321.00	7,751.45	7,387.67	257.84	44.12	-91.30	-6,917.00	-10,436.92	1,420.53	1,162.76	257.77	5.511		
17,000.00	7,321.00	7,752.05	7,388.27	260.30	44.12	-91.32	-6,916.99	-10,436.92	1,406.33	1,136.60	269.73	5.214		
17,100.00	7,321.00	7,752.66	7,388.88	262.76	44.13	-91.35	-6,916.97	-10,436.93	1,399.15	1,118.37	280.78	4.983		
17,150.71	7,321.00	7,752.97	7,389.18	264.02	44.13	-91.36	-6,916.96	-10,436.93	1,398.23	1,112.26	285.97	4.889 CC		
17,200.00	7,321.00	7,753.26	7,389.48	265.24	44.13	-91.37	-6,916.96	-10,436.93	1,399.10	1,108.39	290.71	4.813		
17,300.00	7,321.00	7,753.87	7,390.09	267.72	44.13	-91.40	-6,916.94	-10,436.93	1,406.18	1,106.84	299.34	4.698 ES		
17,400.00	7,321.00	7,754.47	7,390.69	270.20	44.13	-91.42	-6,916.93	-10,436.94	1,420.28	1,113.72	306.56	4.633		
17,500.00	7,321.00	7,746.51	7,382.73	272.69	44.11	-91.10	-6,917.15	-10,436.90	1,441.25	1,128.84	312.42	4.613 SF		
17,600.00	7,321.00	7,746.95	7,383.17	275.18	44.11	-91.11	-6,917.14	-10,436.91	1,468.70	1,151.93	316.77	4.636		
17,700.00	7,321.00	7,747.40	7,383.62	277.68	44.11	-91.13	-6,917.14	-10,436.91	1,502.31	1,182.52	319.78	4.698		
17,800.00	7,321.00	7,747.84	7,384.06	280.19	44.11	-91.15	-6,917.13	-10,436.91	1,541.64	1,220.06	321.59	4.794		
17,900.00	7,321.00	7,748.25	7,384.47	282.71	44.11	-91.14	-6,917.12	-10,436.91	1,584.30	1,261.98	322.32	4.915		
18,000.00	7,321.00	7,748.60	7,384.82	285.26	44.12	-91.14	-6,917.11	-10,436.91	1,628.93	1,306.83	322.11	5.057		
18,100.00	7,321.00	7,748.90	7,385.12	287.83	44.12	-91.13	-6,917.11	-10,436.92	1,675.32	1,354.28	321.04	5.218		
18,200.00	7,321.00	7,749.13	7,385.35	290.41	44.12	-91.12	-6,917.10	-10,436.92	1,723.28	1,404.05	319.23	5.398		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 126-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
18,300.00	7,321.00	7,749.30	7,385.52	293.00	44.12	-91.11	-6,917.10	-10,436.92	1,772.68	1,455.94	316.74	5.597		
18,400.00	7,321.00	7,749.46	7,385.68	295.59	44.12	-91.11	-6,917.10	-10,436.92	1,825.35	1,511.61	313.73	5.818		
18,500.00	7,321.00	7,749.61	7,385.83	298.19	44.12	-91.12	-6,917.10	-10,436.92	1,881.85	1,571.53	310.32	6.064		
18,600.00	7,321.00	7,749.77	7,385.99	300.78	44.12	-91.12	-6,917.09	-10,436.92	1,941.87	1,635.25	306.62	6.333		
18,700.00	7,321.00	7,749.93	7,386.15	303.38	44.12	-91.13	-6,917.09	-10,436.92	2,005.08	1,702.37	302.71	6.624		
18,800.00	7,321.00	7,750.08	7,386.30	305.98	44.12	-91.14	-6,917.09	-10,436.92	2,071.19	1,772.52	298.67	6.935		
18,900.00	7,321.00	7,750.24	7,386.46	308.58	44.12	-91.14	-6,917.08	-10,436.92	2,139.93	1,845.37	294.56	7.265		
19,000.00	7,321.00	7,750.40	7,386.62	311.18	44.12	-91.15	-6,917.08	-10,436.92	2,211.06	1,920.62	290.44	7.613		
19,100.00	7,321.00	7,750.56	7,386.78	313.78	44.12	-91.15	-6,917.08	-10,436.92	2,284.36	1,998.02	286.34	7.978		
19,200.00	7,321.00	7,750.73	7,386.94	316.39	44.12	-91.16	-6,917.08	-10,436.92	2,359.61	2,077.32	282.30	8.359		
19,300.00	7,321.00	7,750.89	7,387.11	318.99	44.12	-91.17	-6,917.07	-10,436.93	2,436.65	2,158.32	278.33	8.755		
19,400.00	7,321.00	7,751.05	7,387.27	321.60	44.12	-91.17	-6,917.07	-10,436.93	2,515.30	2,240.85	274.45	9.165		
19,500.00	7,321.00	7,751.22	7,387.44	324.21	44.12	-91.18	-6,917.07	-10,436.93	2,595.44	2,324.75	270.69	9.588		
19,600.00	7,321.00	7,751.42	7,387.64	326.81	44.12	-91.26	-6,917.06	-10,436.93	2,678.10	2,410.95	267.15	10.025		
19,700.00	7,321.00	7,751.69	7,387.91	329.42	44.12	-91.34	-6,917.06	-10,436.93	2,763.73	2,499.80	263.93	10.471		
19,800.00	7,321.00	7,752.02	7,388.24	332.01	44.12	-91.45	-6,917.05	-10,436.93	2,851.97	2,590.95	261.02	10.926		
19,900.00	7,321.00	7,752.42	7,388.64	334.60	44.12	-91.58	-6,917.05	-10,436.93	2,942.47	2,684.04	258.43	11.386		
20,000.00	7,321.00	7,752.89	7,389.11	337.16	44.12	-91.74	-6,917.04	-10,436.93	3,034.94	2,778.79	256.15	11.848		
20,100.00	7,321.00	7,753.39	7,389.61	339.72	44.12	-91.79	-6,917.03	-10,436.94	3,128.62	2,874.53	254.09	12.313		
20,200.00	7,321.00	7,753.90	7,390.12	342.28	44.13	-91.82	-6,917.02	-10,436.94	3,222.69	2,970.56	252.13	12.782		
20,300.00	7,321.00	7,754.41	7,390.63	344.84	44.13	-91.84	-6,917.01	-10,436.94	3,317.11	3,066.85	250.26	13.255		
20,400.00	7,321.00	7,754.92	7,391.14	347.40	44.13	-91.87	-6,917.00	-10,436.94	3,411.84	3,163.37	248.47	13.731		
20,500.00	7,321.00	7,755.43	7,391.65	349.97	44.13	-91.90	-6,916.99	-10,436.95	3,506.87	3,260.10	246.77	14.211		
20,540.60	7,321.00	7,755.64	7,391.86	351.01	44.13	-91.91	-6,916.99	-10,436.95	3,545.53	3,299.43	246.10	14.407		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
5,700.00	4,441.79	17,476.00	7,264.97	60.05	281.41	74.76	-4,360.76	-11,110.42	10,075.22	9,976.32	98.90	101.877		
5,800.00	4,507.75	17,476.00	7,264.97	61.47	281.41	74.76	-4,360.76	-11,110.42	10,010.00	9,911.14	98.86	101.256		
5,900.00	4,573.70	17,476.00	7,264.97	62.89	281.41	74.76	-4,360.76	-11,110.42	9,945.36	9,846.53	98.83	100.633		
6,000.00	4,639.66	17,476.00	7,264.97	64.31	281.41	74.76	-4,360.76	-11,110.42	9,881.30	9,782.50	98.81	100.007		
6,100.00	4,705.61	17,476.00	7,264.97	65.73	281.41	74.76	-4,360.76	-11,110.42	9,817.85	9,719.05	98.79	99.376		
6,200.00	4,771.56	17,476.00	7,264.97	67.15	281.41	74.76	-4,360.76	-11,110.42	9,755.01	9,656.21	98.80	98.739		
6,300.00	4,837.52	17,476.00	7,264.97	68.57	281.41	74.76	-4,360.76	-11,110.42	9,692.79	9,593.98	98.81	98.095		
6,400.00	4,903.47	17,476.00	7,264.97	69.99	281.41	74.76	-4,360.76	-11,110.42	9,631.21	9,532.37	98.84	97.441		
6,500.00	4,969.43	17,476.00	7,264.97	71.41	281.41	74.76	-4,360.76	-11,110.42	9,570.28	9,471.39	98.89	96.775		
6,600.00	5,035.38	17,476.00	7,264.97	72.83	281.41	74.76	-4,360.76	-11,110.42	9,510.01	9,411.05	98.96	96.095		
6,700.00	5,101.33	17,476.00	7,264.97	74.25	281.41	74.76	-4,360.76	-11,110.42	9,450.42	9,351.35	99.06	95.397		
6,800.00	5,167.29	17,476.00	7,264.97	75.67	281.41	74.76	-4,360.76	-11,110.42	9,391.51	9,292.31	99.19	94.678		
6,900.00	5,233.24	17,476.00	7,264.97	77.10	281.41	74.76	-4,360.76	-11,110.42	9,333.30	9,233.94	99.36	93.934		
7,000.00	5,299.20	17,476.00	7,264.97	78.52	281.41	74.76	-4,360.76	-11,110.42	9,275.80	9,176.23	99.57	93.160		
7,100.00	5,365.15	17,476.00	7,264.97	79.94	281.41	74.76	-4,360.76	-11,110.42	9,219.03	9,119.20	99.83	92.351		
7,200.00	5,431.10	17,476.00	7,264.97	81.36	281.41	74.76	-4,360.76	-11,110.42	9,163.00	9,062.86	100.14	91.503		
7,300.00	5,497.06	17,476.00	7,264.97	82.79	281.41	74.76	-4,360.76	-11,110.42	9,107.72	9,007.20	100.52	90.608		
7,400.00	5,563.01	17,476.00	7,264.97	84.21	281.41	74.76	-4,360.76	-11,110.42	9,053.21	8,952.24	100.97	89.660		
7,500.00	5,628.97	17,476.00	7,264.97	85.63	281.41	74.76	-4,360.76	-11,110.42	8,999.48	8,897.97	101.51	88.653		
7,600.00	5,694.92	17,476.00	7,264.97	87.06	281.41	74.76	-4,360.76	-11,110.42	8,946.55	8,844.39	102.15	87.578		
7,700.00	5,760.87	17,476.00	7,264.97	88.48	281.41	74.76	-4,360.76	-11,110.42	8,894.42	8,791.51	102.91	86.430		
7,800.00	5,826.83	17,476.00	7,264.97	89.90	281.41	74.76	-4,360.76	-11,110.42	8,843.12	8,739.33	103.79	85.201		
7,900.00	5,892.78	17,476.00	7,264.97	91.33	281.41	74.76	-4,360.76	-11,110.42	8,792.65	8,687.84	104.81	83.887		
8,000.00	5,958.74	17,476.00	7,264.97	92.75	281.41	74.76	-4,360.76	-11,110.42	8,743.04	8,637.05	105.99	82.486		
8,100.00	6,024.69	17,476.00	7,264.97	94.17	281.41	74.76	-4,360.76	-11,110.42	8,694.30	8,586.96	107.34	80.995		
8,200.00	6,090.64	17,476.00	7,264.97	95.60	281.41	74.76	-4,360.76	-11,110.42	8,646.44	8,537.57	108.87	79.419		
8,300.00	6,156.60	17,476.00	7,264.97	97.02	281.41	74.76	-4,360.76	-11,110.42	8,599.47	8,488.88	110.59	77.762		
8,400.00	6,222.55	17,476.00	7,264.97	98.45	281.41	74.76	-4,360.76	-11,110.42	8,553.42	8,440.92	112.49	76.035		
8,500.00	6,288.51	17,476.00	7,264.97	99.87	281.41	74.76	-4,360.76	-11,110.42	8,508.29	8,393.70	114.59	74.248		
8,600.00	6,354.46	17,476.00	7,264.97	101.29	281.41	74.76	-4,360.76	-11,110.42	8,464.10	8,347.22	116.88	72.417		
8,700.00	6,420.41	17,476.00	7,264.97	102.72	281.41	74.76	-4,360.76	-11,110.42	8,420.87	8,301.52	119.35	70.556		
8,800.00	6,486.37	17,476.00	7,264.97	104.14	281.41	74.76	-4,360.76	-11,110.42	8,378.61	8,256.62	121.99	68.682		
8,900.00	6,552.32	17,476.00	7,264.97	105.57	281.41	74.76	-4,360.76	-11,110.42	8,337.33	8,212.54	124.80	66.808		
9,000.00	6,618.28	17,476.00	7,264.97	106.99	281.41	74.76	-4,360.76	-11,110.42	8,297.06	8,169.31	127.75	64.949		
9,100.00	6,684.23	17,476.00	7,264.97	108.42	281.41	74.76	-4,360.76	-11,110.42	8,257.80	8,126.96	130.84	63.115		
9,200.00	6,750.18	17,476.00	7,264.97	109.84	281.41	74.76	-4,360.76	-11,110.42	8,219.56	8,085.51	134.05	61.317		
9,300.00	6,816.14	17,476.00	7,264.97	111.26	281.41	74.76	-4,360.76	-11,110.42	8,182.37	8,045.00	137.38	59.562		
9,400.00	6,882.09	17,476.00	7,264.97	112.69	281.41	74.76	-4,360.76	-11,110.42	8,146.24	8,005.44	140.80	57.856		
9,500.00	6,948.05	17,476.00	7,264.97	114.11	281.41	74.76	-4,360.76	-11,110.42	8,111.18	7,966.87	144.32	56.204		
9,600.00	7,014.00	17,476.00	7,264.97	115.54	281.41	74.76	-4,360.76	-11,110.42	8,077.21	7,929.30	147.91	54.608		
9,700.00	7,079.98	17,476.00	7,264.97	116.97	281.41	73.44	-4,360.76	-11,110.42	8,044.09	7,892.51	151.58	53.068		
9,800.00	7,142.10	17,476.00	7,264.97	118.48	281.41	66.83	-4,360.76	-11,110.42	8,001.52	7,846.29	155.23	51.547		
9,900.00	7,197.32	17,476.00	7,264.97	120.08	281.41	62.10	-4,360.76	-11,110.42	7,944.89	7,786.17	158.72	50.057		
10,000.00	7,243.87	17,476.00	7,264.97	121.71	281.41	59.30	-4,360.76	-11,110.42	7,875.64	7,713.72	161.92	48.639		
10,100.00	7,280.34	17,476.00	7,264.97	123.32	281.41	58.70	-4,360.76	-11,110.42	7,795.56	7,630.85	164.71	47.328		
10,200.00	7,305.62	17,476.00	7,264.97	124.84	281.41	61.33	-4,360.76	-11,110.42	7,706.80	7,539.81	166.99	46.152		
10,300.00	7,318.93	17,476.00	7,264.97	126.22	281.41	71.61	-4,360.76	-11,110.42	7,611.79	7,443.15	168.64	45.135		
10,400.00	7,321.00	17,476.00	7,264.97	127.44	281.41	88.52	-4,360.76	-11,110.42	7,513.39	7,343.71	169.68	44.280		
10,500.00	7,321.00	17,476.00	7,264.97	128.66	281.41	88.52	-4,360.76	-11,110.42	7,414.60	7,243.99	170.61	43.459		
10,600.00	7,321.00	17,476.00	7,264.97	129.91	281.41	88.52	-4,360.76	-11,110.42	7,315.85	7,144.27	171.57	42.640		
10,700.00	7,321.00	17,476.00	7,264.97	131.19	281.41	88.52	-4,360.76	-11,110.42	7,217.13	7,044.56	172.56	41.823		
10,800.00	7,321.00	17,476.00	7,264.97	132.51	281.41	88.52	-4,360.76	-11,110.42	7,118.44	6,944.86	173.58	41.009		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
10,900.00	7,321.00	17,476.00	7,264.97	133.87	281.41	88.52	-4,360.76	-11,110.42	7,019.79	6,845.16	174.63	40.198		
11,000.00	7,321.00	17,476.00	7,264.97	135.26	281.41	88.52	-4,360.76	-11,110.42	6,921.19	6,745.48	175.71	39.390		
11,100.00	7,321.00	17,476.00	7,264.97	136.68	281.41	88.52	-4,360.76	-11,110.42	6,822.62	6,645.80	176.82	38.584		
11,200.00	7,321.00	17,476.00	7,264.97	138.14	281.41	88.52	-4,360.76	-11,110.42	6,724.09	6,546.12	177.97	37.782		
11,300.00	7,321.00	17,476.00	7,264.97	139.63	281.41	88.52	-4,360.76	-11,110.42	6,625.61	6,446.46	179.15	36.983		
11,400.00	7,321.00	17,476.00	7,264.97	141.15	281.41	88.52	-4,360.76	-11,110.42	6,527.18	6,346.80	180.37	36.187		
11,500.00	7,321.00	17,476.00	7,264.97	142.70	281.41	88.52	-4,360.76	-11,110.42	6,428.79	6,247.16	181.63	35.394		
11,600.00	7,321.00	17,476.00	7,264.97	144.29	281.41	88.52	-4,360.76	-11,110.42	6,330.46	6,147.52	182.93	34.605		
11,700.00	7,321.00	17,476.00	7,264.97	145.91	281.41	88.52	-4,360.76	-11,110.42	6,232.17	6,047.89	184.28	33.819		
11,800.00	7,321.00	17,476.00	7,264.97	147.55	281.41	88.52	-4,360.76	-11,110.42	6,133.95	5,948.28	185.67	33.037		
11,900.00	7,321.00	17,476.00	7,264.97	149.23	281.41	88.52	-4,360.76	-11,110.42	6,035.78	5,848.67	187.10	32.259		
12,000.00	7,321.00	17,476.00	7,264.97	150.93	281.41	88.52	-4,360.76	-11,110.42	5,937.67	5,749.08	188.59	31.485		
12,100.00	7,321.00	17,476.00	7,264.97	152.67	281.41	88.52	-4,360.76	-11,110.42	5,839.62	5,649.50	190.12	30.715		
12,200.00	7,321.00	17,476.00	7,264.97	154.43	281.41	88.52	-4,360.76	-11,110.42	5,741.65	5,549.94	191.71	29.949		
12,300.00	7,321.00	17,476.00	7,264.97	156.22	281.41	88.52	-4,360.76	-11,110.42	5,643.74	5,450.38	193.36	29.188		
12,400.00	7,321.00	17,476.00	7,264.97	158.04	281.41	88.52	-4,360.76	-11,110.42	5,545.91	5,350.85	195.06	28.431		
12,500.00	7,321.00	17,476.00	7,264.97	159.88	281.41	88.52	-4,360.76	-11,110.42	5,448.16	5,251.33	196.83	27.679		
12,600.00	7,321.00	17,476.00	7,264.97	161.75	281.41	88.52	-4,360.76	-11,110.42	5,350.49	5,151.82	198.67	26.932		
12,700.00	7,321.00	17,476.00	7,264.97	163.64	281.41	88.52	-4,360.76	-11,110.42	5,252.91	5,052.34	200.57	26.189		
12,800.00	7,321.00	17,476.00	7,264.97	165.56	281.41	88.52	-4,360.76	-11,110.42	5,155.42	4,952.87	202.55	25.452		
12,900.00	7,321.00	17,476.00	7,264.97	167.49	281.41	88.52	-4,360.76	-11,110.42	5,058.03	4,853.42	204.61	24.721		
13,000.00	7,321.00	17,476.00	7,264.97	169.46	281.41	88.52	-4,360.76	-11,110.42	4,960.74	4,754.00	206.74	23.995		
13,100.00	7,321.00	17,476.00	7,264.97	171.44	281.41	88.52	-4,360.76	-11,110.42	4,863.57	4,654.60	208.97	23.274		
13,200.00	7,321.00	17,476.00	7,264.97	173.45	281.41	88.52	-4,360.76	-11,110.42	4,766.51	4,555.22	211.28	22.560		
13,300.00	7,321.00	17,476.00	7,264.97	175.47	281.41	88.52	-4,360.76	-11,110.42	4,669.57	4,455.88	213.70	21.851		
13,400.00	7,321.00	17,476.00	7,264.97	177.52	281.41	88.52	-4,360.76	-11,110.42	4,572.77	4,356.56	216.21	21.150		
13,500.00	7,321.00	17,476.00	7,264.97	179.58	281.41	88.52	-4,360.76	-11,110.42	4,476.10	4,257.27	218.83	20.454		
13,600.00	7,321.00	17,476.00	7,264.97	181.67	281.41	88.52	-4,360.76	-11,110.42	4,379.59	4,158.02	221.57	19.766		
13,700.00	7,321.00	17,476.00	7,264.97	183.77	281.41	88.52	-4,360.76	-11,110.42	4,283.24	4,058.81	224.43	19.085		
13,800.00	7,321.00	17,476.00	7,264.97	185.89	281.41	88.52	-4,360.76	-11,110.42	4,187.06	3,959.63	227.42	18.411		
13,900.00	7,321.00	17,476.00	7,264.97	188.02	281.41	88.52	-4,360.76	-11,110.42	4,091.06	3,860.50	230.55	17.745		
14,000.00	7,321.00	17,476.00	7,264.97	190.18	281.41	88.52	-4,360.76	-11,110.42	3,995.25	3,761.42	233.83	17.086		
14,100.00	7,321.00	17,476.00	7,264.97	192.35	281.41	88.52	-4,360.76	-11,110.42	3,899.66	3,662.40	237.26	16.436		
14,200.00	7,321.00	17,476.00	7,264.97	194.53	281.41	88.52	-4,360.76	-11,110.42	3,804.29	3,563.43	240.86	15.794		
14,300.00	7,321.00	17,476.00	7,264.97	196.73	281.41	88.52	-4,360.76	-11,110.42	3,709.17	3,464.53	244.64	15.161		
14,400.00	7,321.00	17,476.00	7,264.97	198.95	281.41	88.52	-4,360.76	-11,110.42	3,614.32	3,365.70	248.62	14.538		
14,500.00	7,321.00	17,476.00	7,264.97	201.17	281.41	88.52	-4,360.76	-11,110.42	3,519.74	3,266.95	252.79	13.923		
14,600.00	7,321.00	17,476.00	7,264.97	203.42	281.41	88.52	-4,360.76	-11,110.42	3,425.48	3,168.28	257.19	13.319		
14,700.00	7,321.00	17,476.00	7,264.97	205.67	281.41	88.52	-4,360.76	-11,110.42	3,331.55	3,069.72	261.82	12.724		
14,800.00	7,321.00	17,476.00	7,264.97	207.94	281.41	88.52	-4,360.76	-11,110.42	3,237.98	2,971.27	266.71	12.140		
14,900.00	7,321.00	17,476.00	7,264.97	210.22	281.41	88.52	-4,360.76	-11,110.42	3,144.81	2,872.94	271.86	11.568		
15,000.00	7,321.00	17,476.00	7,264.97	212.51	281.41	88.52	-4,360.76	-11,110.42	3,052.07	2,774.76	277.31	11.006		
15,100.00	7,321.00	17,476.00	7,264.97	214.81	281.41	88.52	-4,360.76	-11,110.42	2,959.80	2,676.73	283.07	10.456		
15,200.00	7,321.00	17,476.00	7,264.97	217.12	281.41	88.52	-4,360.76	-11,110.42	2,868.05	2,578.89	289.17	9.918		
15,300.00	7,321.00	17,476.00	7,264.97	219.45	281.41	88.52	-4,360.76	-11,110.42	2,776.88	2,481.25	295.62	9.393		
15,400.00	7,321.00	17,476.00	7,264.97	221.78	281.41	88.52	-4,360.76	-11,110.42	2,686.33	2,383.86	302.47	8.881		
15,500.00	7,321.00	17,476.00	7,264.97	224.13	281.41	88.52	-4,360.76	-11,110.42	2,596.47	2,286.74	309.73	8.383		
15,600.00	7,321.00	17,476.00	7,264.97	226.48	281.41	88.52	-4,360.76	-11,110.42	2,507.38	2,189.95	317.43	7.899		
15,700.00	7,321.00	17,476.00	7,264.97	228.85	281.41	88.52	-4,360.76	-11,110.42	2,419.15	2,093.53	325.62	7.429		
15,800.00	7,321.00	17,476.00	7,264.97	231.22	281.41	88.52	-4,360.76	-11,110.42	2,331.86	1,997.55	334.31	6.975		
15,900.00	7,321.00	17,476.00	7,264.97	233.60	281.41	88.52	-4,360.76	-11,110.42	2,245.64	1,902.08	343.55	6.536		
16,000.00	7,321.00	17,476.00	7,264.97	235.99	281.41	88.52	-4,360.76	-11,110.42	2,160.60	1,807.23	353.37	6.114		

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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1577-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,100.00	7,321.00	17,476.00	7,264.97	238.39	281.41	88.52	-4,360.76	-11,110.42	2,076.90	1,713.11	363.79	5.709		
16,200.00	7,321.00	17,476.00	7,264.97	240.79	281.41	88.52	-4,360.76	-11,110.42	1,994.70	1,619.86	374.84	5.321		
16,300.00	7,321.00	17,476.00	7,264.97	243.21	281.41	88.52	-4,360.76	-11,110.42	1,914.19	1,527.65	386.54	4.952		
16,400.00	7,321.00	17,476.00	7,264.97	245.63	281.41	88.52	-4,360.76	-11,110.42	1,835.60	1,436.71	398.89	4.602		
16,500.00	7,321.00	17,476.00	7,264.97	248.06	281.41	88.52	-4,360.76	-11,110.42	1,759.18	1,347.29	411.89	4.271		
16,600.00	7,321.00	17,476.00	7,264.97	250.49	281.41	88.52	-4,360.76	-11,110.42	1,685.24	1,259.74	425.50	3.961		
16,700.00	7,321.00	17,476.00	7,264.97	252.93	281.41	88.52	-4,360.76	-11,110.42	1,614.11	1,174.46	439.65	3.671		
16,800.00	7,321.00	17,476.00	7,264.97	255.38	281.41	88.52	-4,360.76	-11,110.42	1,546.17	1,091.95	454.22	3.404		
16,900.00	7,321.00	17,476.00	7,264.97	257.84	281.41	88.52	-4,360.76	-11,110.42	1,481.88	1,012.82	469.05	3.159		
17,000.00	7,321.00	17,476.00	7,264.97	260.30	281.41	88.52	-4,360.76	-11,110.42	1,421.71	937.82	483.90	2.938		
17,100.00	7,321.00	17,476.00	7,264.97	262.76	281.41	88.52	-4,360.76	-11,110.42	1,366.23	867.80	498.42	2.741		
17,200.00	7,321.00	17,476.00	7,264.97	265.24	281.41	88.52	-4,360.76	-11,110.42	1,316.01	803.80	512.21	2.569		
17,300.00	7,321.00	17,476.00	7,264.97	267.72	281.41	88.52	-4,360.76	-11,110.42	1,271.69	746.94	524.75	2.423		
17,400.00	7,321.00	17,476.00	7,264.97	270.20	281.41	88.52	-4,360.76	-11,110.42	1,233.90	698.44	535.46	2.304		
17,500.00	7,321.00	17,476.00	7,264.97	272.69	281.41	88.52	-4,360.76	-11,110.42	1,203.25	659.54	543.71	2.213		
17,600.00	7,321.00	17,476.00	7,264.97	275.18	281.41	88.52	-4,360.76	-11,110.42	1,180.30	631.39	548.91	2.150		
17,700.00	7,321.00	17,476.00	7,264.97	277.68	281.41	88.52	-4,360.76	-11,110.42	1,165.51	614.94	550.58	2.117		
17,800.00	7,321.00	17,459.74	7,264.85	280.19	280.97	88.51	-4,361.32	-11,126.67	1,159.12	610.12	549.01	2.111		
17,870.79	7,321.00	17,393.48	7,264.36	281.97	279.18	88.48	-4,363.60	-11,192.89	1,158.01	609.20	548.81	2.110	CC, ES, SF	
17,900.00	7,321.00	17,367.00	7,264.14	282.71	278.46	88.47	-4,364.31	-11,219.36	1,158.26	609.57	548.70	2.111		
18,000.00	7,321.00	17,279.97	7,263.54	285.26	276.11	88.45	-4,366.08	-11,306.37	1,162.05	613.92	548.13	2.120		
18,100.00	7,321.00	17,167.15	7,264.06	287.83	273.06	88.48	-4,368.64	-11,419.15	1,169.08	620.46	548.61	2.131		
18,200.00	7,321.00	17,071.37	7,265.02	290.41	270.47	88.53	-4,371.21	-11,514.90	1,179.16	630.72	548.44	2.150		
18,300.00	7,321.00	16,980.57	7,265.49	293.00	268.02	88.57	-4,373.15	-11,605.68	1,193.18	645.12	548.06	2.177		
18,400.00	7,321.00	16,883.87	7,264.94	295.59	265.40	88.56	-4,374.94	-11,702.35	1,208.56	660.65	547.90	2.206		
18,500.00	7,321.00	16,800.00	7,263.41	298.19	263.13	88.50	-4,375.61	-11,786.21	1,224.97	677.80	547.17	2.239		
18,600.00	7,321.00	16,725.19	7,262.32	300.78	261.10	88.47	-4,375.02	-11,861.01	1,242.90	696.98	545.91	2.277		
18,700.00	7,321.00	16,630.59	7,261.17	303.38	258.54	88.44	-4,373.38	-11,955.58	1,261.82	716.19	545.64	2.313		
18,800.00	7,321.00	16,520.39	7,255.99	305.98	255.55	88.23	-4,372.04	-12,065.64	1,280.35	734.27	546.08	2.345		
18,900.00	7,321.00	16,399.11	7,244.29	308.58	252.29	87.73	-4,372.93	-12,186.33	1,297.07	750.27	546.80	2.372		
19,000.00	7,321.00	16,319.12	7,234.93	311.18	250.14	87.34	-4,373.44	-12,265.77	1,314.10	768.41	545.70	2.408		
19,100.00	7,321.00	16,233.00	7,225.06	313.78	247.82	86.94	-4,372.76	-12,351.32	1,332.58	787.79	544.79	2.446		
19,200.00	7,321.00	16,141.23	7,215.17	316.39	245.35	86.55	-4,371.41	-12,442.55	1,351.78	807.64	544.14	2.484		
19,300.00	7,321.00	16,018.93	7,205.32	318.99	242.05	86.19	-4,370.97	-12,564.43	1,369.72	824.78	544.94	2.514		
19,400.00	7,321.00	15,926.08	7,201.44	321.60	239.54	86.07	-4,370.47	-12,657.20	1,387.66	843.12	544.55	2.548		
19,500.00	7,321.00	15,803.66	7,198.81	324.21	236.23	86.02	-4,371.05	-12,779.58	1,404.43	859.00	545.43	2.575		
19,600.00	7,321.00	15,704.17	7,197.03	326.81	233.54	86.01	-4,372.28	-12,879.05	1,418.38	873.01	545.37	2.601		
19,700.00	7,321.00	15,583.86	7,191.29	329.42	230.29	85.83	-4,374.39	-12,999.20	1,428.63	882.74	545.89	2.617		
19,800.00	7,321.00	15,508.65	7,187.75	332.01	228.26	85.71	-4,376.06	-13,074.31	1,434.96	890.05	544.90	2.633		
19,900.00	7,321.00	15,437.13	7,184.84	334.60	226.33	85.61	-4,376.05	-13,145.77	1,439.91	896.29	543.62	2.649		
20,000.00	7,321.00	15,352.88	7,182.68	337.16	224.04	85.54	-4,374.44	-13,229.97	1,443.13	900.33	542.80	2.659		
20,100.00	7,321.00	15,247.89	7,181.76	339.72	221.20	85.50	-4,372.41	-13,334.94	1,444.17	901.18	542.99	2.660		
20,200.00	7,321.00	15,155.99	7,179.18	342.28	218.71	85.40	-4,370.55	-13,426.78	1,445.45	902.95	542.50	2.664		
20,300.00	7,321.00	15,037.25	7,174.64	344.84	215.50	85.23	-4,368.02	-13,545.40	1,447.01	903.79	543.22	2.664		
20,369.16	7,321.00	14,963.83	7,171.81	346.61	213.51	85.12	-4,367.73	-13,618.77	1,446.82	903.51	543.30	2.663		
20,400.00	7,321.00	14,938.85	7,170.65	347.40	212.84	85.07	-4,367.54	-13,643.72	1,446.88	903.88	542.99	2.665		
20,500.00	7,321.00	14,850.39	7,166.55	349.97	210.45	84.91	-4,366.22	-13,732.07	1,447.78	905.49	542.30	2.670		
20,540.60	7,321.00	14,812.16	7,165.58	351.01	209.41	84.87	-4,365.43	-13,770.29	1,448.32	906.17	542.14	2.671		

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

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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	
5,600.00	4,375.84	17,312.00	7,020.41	58.63	282.00	72.60	-4,523.03	-11,098.98	10,091.79	9,989.19	102.60	98.357	
5,700.00	4,441.79	17,312.00	7,020.41	60.05	282.00	72.60	-4,523.03	-11,098.98	10,026.29	9,923.77	102.52	97.802	
5,800.00	4,507.75	17,312.00	7,020.41	61.47	282.00	72.60	-4,523.03	-11,098.98	9,961.36	9,858.93	102.43	97.250	
5,900.00	4,573.70	17,312.00	7,020.41	62.89	282.00	72.60	-4,523.03	-11,098.98	9,897.01	9,794.66	102.35	96.701	
6,000.00	4,639.66	17,312.00	7,020.41	64.31	282.00	72.60	-4,523.03	-11,098.98	9,833.26	9,730.99	102.27	96.154	
6,100.00	4,705.61	17,312.00	7,020.41	65.73	282.00	72.60	-4,523.03	-11,098.98	9,770.12	9,667.93	102.19	95.609	
6,200.00	4,771.56	17,312.00	7,020.41	67.15	282.00	72.60	-4,523.03	-11,098.98	9,707.59	9,605.47	102.12	95.064	
6,300.00	4,837.52	17,312.00	7,020.41	68.57	282.00	72.60	-4,523.03	-11,098.98	9,645.70	9,543.65	102.05	94.518	
6,400.00	4,903.47	17,312.00	7,020.41	69.99	282.00	72.60	-4,523.03	-11,098.98	9,584.45	9,482.46	101.99	93.971	
6,500.00	4,969.43	17,312.00	7,020.41	71.41	282.00	72.60	-4,523.03	-11,098.98	9,523.86	9,421.91	101.95	93.421	
6,600.00	5,035.38	17,312.00	7,020.41	72.83	282.00	72.60	-4,523.03	-11,098.98	9,463.93	9,362.02	101.91	92.866	
6,700.00	5,101.33	17,312.00	7,020.41	74.25	282.00	72.60	-4,523.03	-11,098.98	9,404.69	9,302.80	101.89	92.305	
6,800.00	5,167.29	17,312.00	7,020.41	75.67	282.00	72.60	-4,523.03	-11,098.98	9,346.14	9,244.26	101.88	91.735	
6,900.00	5,233.24	17,312.00	7,020.41	77.10	282.00	72.60	-4,523.03	-11,098.98	9,288.30	9,186.40	101.90	91.153	
7,000.00	5,299.20	17,312.00	7,020.41	78.52	282.00	72.60	-4,523.03	-11,098.98	9,231.18	9,129.24	101.94	90.557	
7,100.00	5,365.15	17,312.00	7,020.41	79.94	282.00	72.60	-4,523.03	-11,098.98	9,174.79	9,072.79	102.01	89.943	
7,200.00	5,431.10	17,312.00	7,020.41	81.36	282.00	72.60	-4,523.03	-11,098.98	9,119.16	9,017.05	102.11	89.307	
7,300.00	5,497.06	17,312.00	7,020.41	82.79	282.00	72.60	-4,523.03	-11,098.98	9,064.28	8,962.03	102.25	88.644	
7,400.00	5,563.01	17,312.00	7,020.41	84.21	282.00	72.60	-4,523.03	-11,098.98	9,010.18	8,907.73	102.45	87.949	
7,500.00	5,628.97	17,312.00	7,020.41	85.63	282.00	72.60	-4,523.03	-11,098.98	8,956.87	8,854.17	102.70	87.214	
7,600.00	5,694.92	17,312.00	7,020.41	87.06	282.00	72.60	-4,523.03	-11,098.98	8,904.36	8,801.34	103.02	86.435	
7,700.00	5,760.87	17,312.00	7,020.41	88.48	282.00	72.60	-4,523.03	-11,098.98	8,852.67	8,749.26	103.42	85.601	
7,800.00	5,826.83	17,312.00	7,020.41	89.90	282.00	72.60	-4,523.03	-11,098.98	8,801.82	8,697.91	103.91	84.706	
7,900.00	5,892.78	17,312.00	7,020.41	91.33	282.00	72.60	-4,523.03	-11,098.98	8,751.81	8,647.30	104.51	83.740	
8,000.00	5,958.74	17,312.00	7,020.41	92.75	282.00	72.60	-4,523.03	-11,098.98	8,702.66	8,597.42	105.24	82.695	
8,100.00	6,024.69	17,312.00	7,020.41	94.17	282.00	72.60	-4,523.03	-11,098.98	8,654.39	8,548.28	106.11	81.562	
8,200.00	6,090.64	17,312.00	7,020.41	95.60	282.00	72.60	-4,523.03	-11,098.98	8,607.01	8,499.88	107.14	80.336	
8,300.00	6,156.60	17,312.00	7,020.41	97.02	282.00	72.60	-4,523.03	-11,098.98	8,560.54	8,452.19	108.35	79.011	
8,400.00	6,222.55	17,312.00	7,020.41	98.45	282.00	72.60	-4,523.03	-11,098.98	8,514.99	8,405.24	109.75	77.587	
8,500.00	6,288.51	17,312.00	7,020.41	99.87	282.00	72.60	-4,523.03	-11,098.98	8,470.37	8,359.02	111.35	76.068	
8,600.00	6,354.46	17,312.00	7,020.41	101.29	282.00	72.60	-4,523.03	-11,098.98	8,426.70	8,313.53	113.17	74.460	
8,700.00	6,420.41	17,312.00	7,020.41	102.72	282.00	72.60	-4,523.03	-11,098.98	8,384.00	8,268.80	115.20	72.776	
8,800.00	6,486.37	17,312.00	7,020.41	104.14	282.00	72.60	-4,523.03	-11,098.98	8,342.28	8,224.84	117.45	71.031	
8,900.00	6,552.32	17,312.00	7,020.41	105.57	282.00	72.60	-4,523.03	-11,098.98	8,301.56	8,181.67	119.89	69.242	
9,000.00	6,618.28	17,312.00	7,020.41	106.99	282.00	72.60	-4,523.03	-11,098.98	8,261.84	8,139.31	122.53	67.428	
9,100.00	6,684.23	17,312.00	7,020.41	108.42	282.00	72.60	-4,523.03	-11,098.98	8,223.15	8,097.81	125.34	65.606	
9,200.00	6,750.18	17,312.00	7,020.41	109.84	282.00	72.60	-4,523.03	-11,098.98	8,185.50	8,057.18	128.32	63.791	
9,300.00	6,816.14	17,312.00	7,020.41	111.26	282.00	72.60	-4,523.03	-11,098.98	8,148.90	8,017.46	131.44	61.998	
9,400.00	6,882.09	17,312.00	7,020.41	112.69	282.00	72.60	-4,523.03	-11,098.98	8,113.36	7,978.67	134.69	60.237	
9,500.00	6,948.05	17,312.00	7,020.41	114.11	282.00	72.60	-4,523.03	-11,098.98	8,078.91	7,940.86	138.06	58.519	
9,600.00	7,014.00	17,312.00	7,020.41	115.54	282.00	72.60	-4,523.03	-11,098.98	8,045.56	7,904.03	141.52	56.849	
9,700.00	7,079.88	17,312.00	7,020.41	116.97	282.00	71.25	-4,523.03	-11,098.98	8,013.06	7,867.98	145.08	55.232	
9,800.00	7,145.74	17,312.00	7,020.41	118.48	282.00	64.45	-4,523.03	-11,098.98	7,971.06	7,822.44	148.63	53.631	
9,900.00	7,197.32	17,312.00	7,020.41	120.08	282.00	59.41	-4,523.03	-11,098.98	7,914.90	7,762.89	152.01	52.067	
10,000.00	7,243.87	17,312.00	7,020.41	121.71	282.00	56.11	-4,523.03	-11,098.98	7,846.00	7,690.89	155.11	50.584	
10,100.00	7,280.34	17,312.00	7,020.41	123.32	282.00	54.65	-4,523.03	-11,098.98	7,766.14	7,608.36	157.79	49.219	
10,200.00	7,305.62	17,312.00	7,020.41	124.84	282.00	55.67	-4,523.03	-11,098.98	7,677.46	7,517.52	159.95	48.000	
10,300.00	7,318.93	17,312.00	7,020.41	126.22	282.00	62.15	-4,523.03	-11,098.98	7,582.39	7,420.90	161.48	46.954	
10,400.00	7,321.00	17,312.00	7,020.41	127.44	282.00	74.59	-4,523.03	-11,098.98	7,483.77	7,321.37	162.39	46.084	
10,500.00	7,321.00	17,312.00	7,020.41	128.66	282.00	74.59	-4,523.03	-11,098.98	7,384.74	7,221.54	163.20	45.249	
10,600.00	7,321.00	17,312.00	7,020.41	129.91	282.00	74.59	-4,523.03	-11,098.98	7,285.74	7,121.70	164.04	44.416	
10,700.00	7,321.00	17,312.00	7,020.41	131.19	282.00	74.59	-4,523.03	-11,098.98	7,186.76	7,021.87	164.89	43.584	

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
10,800.00	7,321.00	17,312.00	7,020.41	132.51	282.00	74.59	-4,523.03	-11,098.98	7,087.82	6,922.04	165.78	42.756		
10,900.00	7,321.00	17,312.00	7,020.41	133.87	282.00	74.59	-4,523.03	-11,098.98	6,988.90	6,822.22	166.68	41.929		
11,000.00	7,321.00	17,312.00	7,020.41	135.26	282.00	74.59	-4,523.03	-11,098.98	6,890.02	6,722.39	167.62	41.105		
11,100.00	7,321.00	17,312.00	7,020.41	136.68	282.00	74.59	-4,523.03	-11,098.98	6,791.16	6,622.58	168.59	40.283		
11,200.00	7,321.00	17,312.00	7,020.41	138.14	282.00	74.59	-4,523.03	-11,098.98	6,692.35	6,522.76	169.58	39.464		
11,300.00	7,321.00	17,312.00	7,020.41	139.63	282.00	74.59	-4,523.03	-11,098.98	6,593.56	6,422.95	170.61	38.647		
11,400.00	7,321.00	17,312.00	7,020.41	141.15	282.00	74.59	-4,523.03	-11,098.98	6,494.82	6,323.15	171.67	37.833		
11,500.00	7,321.00	17,312.00	7,020.41	142.70	282.00	74.59	-4,523.03	-11,098.98	6,396.11	6,223.35	172.76	37.022		
11,600.00	7,321.00	17,312.00	7,020.41	144.29	282.00	74.59	-4,523.03	-11,098.98	6,297.45	6,123.55	173.89	36.214		
11,700.00	7,321.00	17,312.00	7,020.41	145.91	282.00	74.59	-4,523.03	-11,098.98	6,198.82	6,023.76	175.06	35.409		
11,800.00	7,321.00	17,312.00	7,020.41	147.55	282.00	74.59	-4,523.03	-11,098.98	6,100.25	5,923.98	176.27	34.607		
11,900.00	7,321.00	17,312.00	7,020.41	149.23	282.00	74.59	-4,523.03	-11,098.98	6,001.72	5,824.20	177.52	33.809		
12,000.00	7,321.00	17,312.00	7,020.41	150.93	282.00	74.59	-4,523.03	-11,098.98	5,903.23	5,724.42	178.81	33.014		
12,100.00	7,321.00	17,312.00	7,020.41	152.67	282.00	74.59	-4,523.03	-11,098.98	5,804.80	5,624.65	180.15	32.222		
12,200.00	7,321.00	17,312.00	7,020.41	154.43	282.00	74.59	-4,523.03	-11,098.98	5,706.43	5,524.89	181.54	31.434		
12,300.00	7,321.00	17,312.00	7,020.41	156.22	282.00	74.59	-4,523.03	-11,098.98	5,608.11	5,425.14	182.97	30.650		
12,400.00	7,321.00	17,312.00	7,020.41	158.04	282.00	74.59	-4,523.03	-11,098.98	5,509.86	5,325.39	184.46	29.870		
12,500.00	7,321.00	17,312.00	7,020.41	159.88	282.00	74.59	-4,523.03	-11,098.98	5,411.66	5,225.65	186.01	29.094		
12,600.00	7,321.00	17,312.00	7,020.41	161.75	282.00	74.59	-4,523.03	-11,098.98	5,313.54	5,125.93	187.61	28.322		
12,700.00	7,321.00	17,312.00	7,020.41	163.64	282.00	74.59	-4,523.03	-11,098.98	5,215.48	5,026.21	189.28	27.555		
12,800.00	7,321.00	17,312.00	7,020.41	165.56	282.00	74.59	-4,523.03	-11,098.98	5,117.50	4,926.49	191.01	26.792		
12,900.00	7,321.00	17,312.00	7,020.41	167.49	282.00	74.59	-4,523.03	-11,098.98	5,019.61	4,826.80	192.81	26.034		
13,000.00	7,321.00	17,312.00	7,020.41	169.46	282.00	74.59	-4,523.03	-11,098.98	4,921.79	4,727.11	194.68	25.281		
13,100.00	7,321.00	17,312.00	7,020.41	171.44	282.00	74.59	-4,523.03	-11,098.98	4,824.07	4,627.43	196.63	24.533		
13,200.00	7,321.00	17,312.00	7,020.41	173.45	282.00	74.59	-4,523.03	-11,098.98	4,726.44	4,527.77	198.67	23.791		
13,300.00	7,321.00	17,312.00	7,020.41	175.47	282.00	74.59	-4,523.03	-11,098.98	4,628.91	4,428.12	200.79	23.054		
13,400.00	7,321.00	17,312.00	7,020.41	177.52	282.00	74.59	-4,523.03	-11,098.98	4,531.49	4,328.49	203.00	22.323		
13,500.00	7,321.00	17,312.00	7,020.41	179.58	282.00	74.59	-4,523.03	-11,098.98	4,434.18	4,228.87	205.31	21.598		
13,600.00	7,321.00	17,312.00	7,020.41	181.67	282.00	74.59	-4,523.03	-11,098.98	4,337.00	4,129.28	207.72	20.879		
13,700.00	7,321.00	17,312.00	7,020.41	183.77	282.00	74.59	-4,523.03	-11,098.98	4,239.94	4,029.70	210.24	20.167		
13,800.00	7,321.00	17,312.00	7,020.41	185.89	282.00	74.59	-4,523.03	-11,098.98	4,143.03	3,930.14	212.89	19.461		
13,900.00	7,321.00	17,312.00	7,020.41	188.02	282.00	74.59	-4,523.03	-11,098.98	4,046.27	3,830.61	215.65	18.763		
14,000.00	7,321.00	17,312.00	7,020.41	190.18	282.00	74.59	-4,523.03	-11,098.98	3,949.67	3,731.11	218.56	18.072		
14,100.00	7,321.00	17,312.00	7,020.41	192.35	282.00	74.59	-4,523.03	-11,098.98	3,853.24	3,631.64	221.60	17.388		
14,200.00	7,321.00	17,312.00	7,020.41	194.53	282.00	74.59	-4,523.03	-11,098.98	3,757.00	3,532.20	224.80	16.713		
14,300.00	7,321.00	17,312.00	7,020.41	196.73	282.00	74.59	-4,523.03	-11,098.98	3,660.96	3,432.80	228.16	16.045		
14,400.00	7,321.00	17,312.00	7,020.41	198.95	282.00	74.59	-4,523.03	-11,098.98	3,565.14	3,333.44	231.70	15.387		
14,500.00	7,321.00	17,312.00	7,020.41	201.17	282.00	74.59	-4,523.03	-11,098.98	3,469.55	3,234.12	235.43	14.737		
14,600.00	7,321.00	17,312.00	7,020.41	203.42	282.00	74.59	-4,523.03	-11,098.98	3,374.22	3,134.86	239.37	14.096		
14,700.00	7,321.00	17,312.00	7,020.41	205.67	282.00	74.59	-4,523.03	-11,098.98	3,279.17	3,035.65	243.52	13.466		
14,800.00	7,321.00	17,312.00	7,020.41	207.94	282.00	74.59	-4,523.03	-11,098.98	3,184.43	2,936.52	247.91	12.845		
14,900.00	7,321.00	17,312.00	7,020.41	210.22	282.00	74.59	-4,523.03	-11,098.98	3,090.01	2,837.45	252.55	12.235		
15,000.00	7,321.00	17,312.00	7,020.41	212.51	282.00	74.59	-4,523.03	-11,098.98	2,995.95	2,738.48	257.47	11.636		
15,100.00	7,321.00	17,312.00	7,020.41	214.81	282.00	74.59	-4,523.03	-11,098.98	2,902.30	2,639.60	262.69	11.048		
15,200.00	7,321.00	17,312.00	7,020.41	217.12	282.00	74.59	-4,523.03	-11,098.98	2,809.08	2,540.84	268.23	10.473		
15,300.00	7,321.00	17,312.00	7,020.41	219.45	282.00	74.59	-4,523.03	-11,098.98	2,716.34	2,442.22	274.12	9.909		
15,400.00	7,321.00	17,312.00	7,020.41	221.78	282.00	74.59	-4,523.03	-11,098.98	2,624.13	2,343.75	280.38	9.359		
15,500.00	7,321.00	17,312.00	7,020.41	224.13	282.00	74.59	-4,523.03	-11,098.98	2,532.52	2,245.46	287.06	8.822		
15,600.00	7,321.00	17,312.00	7,020.41	226.48	282.00	74.59	-4,523.03	-11,098.98	2,441.57	2,147.39	294.18	8.300		
15,700.00	7,321.00	17,312.00	7,020.41	228.85	282.00	74.59	-4,523.03	-11,098.98	2,351.35	2,049.57	301.77	7.792		
15,800.00	7,321.00	17,312.00	7,020.41	231.22	282.00	74.59	-4,523.03	-11,098.98	2,261.95	1,952.06	309.89	7.299		
15,900.00	7,321.00	17,312.00	7,020.41	233.60	282.00	74.59	-4,523.03	-11,098.98	2,173.48	1,854.91	318.57	6.823		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1576-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,000.00	7,321.00	17,312.00	7,020.41	235.99	282.00	74.59	-4,523.03	-11,098.98	2,086.05	1,758.20	327.84	6.363		
16,100.00	7,321.00	17,312.00	7,020.41	238.39	282.00	74.59	-4,523.03	-11,098.98	1,999.79	1,662.03	337.77	5.921		
16,200.00	7,321.00	17,312.00	7,020.41	240.79	282.00	74.59	-4,523.03	-11,098.98	1,914.88	1,566.50	348.38	5.497		
16,300.00	7,321.00	17,312.00	7,020.41	243.21	282.00	74.59	-4,523.03	-11,098.98	1,831.49	1,471.77	359.71	5.092		
16,400.00	7,321.00	17,312.00	7,020.41	245.63	282.00	74.59	-4,523.03	-11,098.98	1,749.84	1,378.03	371.80	4.706		
16,500.00	7,321.00	17,312.00	7,020.41	248.06	282.00	74.59	-4,523.03	-11,098.98	1,670.19	1,285.52	384.66	4.342		
16,600.00	7,321.00	17,312.00	7,020.41	250.49	282.00	74.59	-4,523.03	-11,098.98	1,592.83	1,194.54	398.29	3.999		
16,700.00	7,321.00	17,312.00	7,020.41	252.93	282.00	74.59	-4,523.03	-11,098.98	1,518.12	1,105.47	412.65	3.679		
16,800.00	7,321.00	17,312.00	7,020.41	255.38	282.00	74.59	-4,523.03	-11,098.98	1,446.47	1,018.82	427.65	3.382		
16,900.00	7,321.00	17,312.00	7,020.41	257.84	282.00	74.59	-4,523.03	-11,098.98	1,378.35	935.21	443.14	3.110		
17,000.00	7,321.00	17,312.00	7,020.41	260.30	282.00	74.59	-4,523.03	-11,098.98	1,314.32	855.42	458.90	2.864		
17,100.00	7,321.00	17,312.00	7,020.41	262.76	282.00	74.59	-4,523.03	-11,098.98	1,255.00	780.43	474.58	2.644		
17,200.00	7,321.00	17,312.00	7,020.41	265.24	282.00	74.59	-4,523.03	-11,098.98	1,201.09	711.40	489.69	2.453		
17,300.00	7,321.00	17,312.00	7,020.41	267.72	282.00	74.59	-4,523.03	-11,098.98	1,153.34	649.71	503.63	2.290		
17,400.00	7,321.00	17,312.00	7,020.41	270.20	282.00	74.59	-4,523.03	-11,098.98	1,112.56	596.91	515.65	2.158		
17,500.00	7,321.00	17,312.00	7,020.41	272.69	282.00	74.59	-4,523.03	-11,098.98	1,079.53	554.60	524.92	2.057		
17,600.00	7,321.00	17,312.00	7,020.41	275.18	282.00	74.59	-4,523.03	-11,098.98	1,054.97	524.34	530.63	1.988		
17,700.00	7,321.00	17,312.00	7,020.41	277.68	282.00	74.59	-4,523.03	-11,098.98	1,039.49	507.42	532.08	1.954 SF		
17,800.00	7,321.00	17,312.00	7,020.41	280.19	282.00	74.59	-4,523.03	-11,098.98	1,033.55	504.71	528.84	1.954 ES		
17,804.77	7,321.00	17,312.00	7,020.41	280.31	282.00	74.59	-4,523.03	-11,098.98	1,033.53	504.97	528.57	1.955 CC		
17,900.00	7,321.00	17,228.05	7,020.07	282.71	279.73	74.60	-4,522.68	-11,182.94	1,036.17	508.27	527.90	1.963		
18,000.00	7,321.00	17,124.21	7,018.65	285.26	276.91	74.58	-4,523.09	-11,286.76	1,041.76	513.64	528.12	1.973		
18,100.00	7,321.00	17,011.34	7,017.45	287.83	273.86	74.61	-4,523.83	-11,399.62	1,050.43	521.44	528.98	1.986		
18,200.00	7,321.00	16,909.88	7,018.54	290.41	271.11	74.78	-4,525.25	-11,501.06	1,061.13	531.57	529.56	2.004		
18,300.00	7,321.00	16,796.90	7,019.69	293.00	268.05	75.01	-4,527.30	-11,614.01	1,074.76	543.97	530.79	2.025		
18,400.00	7,321.00	16,693.22	7,019.31	295.59	265.25	75.19	-4,530.65	-11,717.64	1,088.39	557.07	531.32	2.048		
18,500.00	7,321.00	16,595.45	7,017.50	298.19	262.61	75.27	-4,534.48	-11,815.31	1,101.76	570.36	531.40	2.073		
18,600.00	7,321.00	16,514.00	7,014.44	300.78	260.41	75.27	-4,537.19	-11,896.66	1,116.14	585.53	530.61	2.104		
18,700.00	7,321.00	16,450.04	7,011.29	303.38	258.68	75.25	-4,537.98	-11,960.53	1,132.81	604.10	528.71	2.143		
18,800.00	7,321.00	16,378.67	7,008.26	305.98	256.75	75.27	-4,536.62	-12,031.83	1,152.27	625.23	527.03	2.186		
18,900.00	7,321.00	16,290.85	7,005.98	308.58	254.37	75.40	-4,533.00	-12,119.54	1,173.44	646.88	526.57	2.228		
19,000.00	7,321.00	16,169.12	7,003.79	311.18	251.06	75.61	-4,528.65	-12,241.17	1,194.00	665.51	528.50	2.259		
19,100.00	7,321.00	16,041.50	7,002.17	313.78	247.60	75.81	-4,527.20	-12,368.76	1,212.05	681.59	530.47	2.285		
19,200.00	7,321.00	15,949.00	6,999.80	316.39	245.10	75.88	-4,527.75	-12,461.23	1,228.81	698.55	530.26	2.317		
19,300.00	7,321.00	15,871.16	6,997.53	318.99	242.99	75.93	-4,527.43	-12,539.04	1,246.69	717.47	529.22	2.356		
19,400.00	7,321.00	15,768.73	6,995.89	321.60	240.21	76.08	-4,525.15	-12,641.42	1,265.91	736.20	529.71	2.390		
19,500.00	7,321.00	15,666.67	6,994.72	324.21	237.44	76.25	-4,523.48	-12,743.47	1,284.44	754.25	530.18	2.423		
19,600.00	7,321.00	15,562.72	6,993.38	326.81	234.63	76.45	-4,522.13	-12,847.40	1,300.64	769.98	530.66	2.451		
19,700.00	7,321.00	15,444.72	6,991.99	329.42	231.43	76.59	-4,521.40	-12,965.38	1,312.86	781.16	531.70	2.469		
19,800.00	7,321.00	15,323.89	6,993.18	332.01	228.16	76.76	-4,522.83	-13,086.20	1,319.32	786.47	532.85	2.476		
19,900.00	7,321.00	15,222.74	6,993.38	334.60	225.43	76.81	-4,524.52	-13,187.34	1,322.19	789.23	532.96	2.481		
20,000.00	7,321.00	15,111.68	6,993.01	337.16	222.43	76.78	-4,527.05	-13,298.37	1,321.20	787.88	533.32	2.477		
20,100.00	7,321.00	15,040.95	6,991.70	339.72	220.52	76.70	-4,528.65	-13,369.06	1,318.57	786.64	531.93	2.479		
20,154.38	7,321.00	15,006.27	6,990.53	341.11	219.58	76.65	-4,528.82	-13,403.72	1,318.22	787.38	530.84	2.483		
20,200.00	7,321.00	14,958.50	6,988.74	342.28	218.29	76.57	-4,528.75	-13,451.45	1,318.25	787.47	530.78	2.484		
20,300.00	7,321.00	14,856.10	6,985.44	344.84	215.52	76.42	-4,528.71	-13,553.81	1,318.09	787.52	530.57	2.484		
20,400.00	7,321.00	14,746.83	6,982.23	347.40	212.56	76.27	-4,528.90	-13,663.03	1,317.68	786.99	530.70	2.483		
20,500.00	7,321.00	14,640.17	6,979.76	349.97	209.68	76.14	-4,529.81	-13,769.65	1,316.46	785.72	530.73	2.480		
20,540.60	7,321.00	14,603.85	6,978.97	351.01	208.70	76.10	-4,530.15	-13,805.96	1,315.92	785.48	530.44	2.481		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
5,700.00	4,441.79	17,365.00	7,068.05	60.05	281.92	71.05	-4,856.02	-11,100.49	10,103.86	9,993.21	110.65	91.314		
5,800.00	4,507.75	17,365.00	7,068.05	61.47	281.92	71.05	-4,856.02	-11,100.49	10,037.02	9,926.45	110.57	90.776		
5,900.00	4,573.70	17,365.00	7,068.05	62.89	281.92	71.05	-4,856.02	-11,100.49	9,970.74	9,860.25	110.49	90.244		
6,000.00	4,639.66	17,365.00	7,068.05	64.31	281.92	71.05	-4,856.02	-11,100.49	9,905.03	9,794.62	110.40	89.717		
6,100.00	4,705.61	17,365.00	7,068.05	65.73	281.92	71.05	-4,856.02	-11,100.49	9,839.89	9,729.57	110.32	89.195		
6,200.00	4,771.56	17,365.00	7,068.05	67.15	281.92	71.05	-4,856.02	-11,100.49	9,775.34	9,665.11	110.23	88.679		
6,300.00	4,837.52	17,365.00	7,068.05	68.57	281.92	71.05	-4,856.02	-11,100.49	9,711.39	9,601.24	110.15	88.167		
6,400.00	4,903.47	17,365.00	7,068.05	69.99	281.92	71.05	-4,856.02	-11,100.49	9,648.06	9,537.99	110.06	87.660		
6,500.00	4,969.43	17,365.00	7,068.05	71.41	281.92	71.05	-4,856.02	-11,100.49	9,585.34	9,475.37	109.98	87.157		
6,600.00	5,035.38	17,365.00	7,068.05	72.83	281.92	71.05	-4,856.02	-11,100.49	9,523.27	9,413.38	109.90	86.658		
6,700.00	5,101.33	17,365.00	7,068.05	74.25	281.92	71.05	-4,856.02	-11,100.49	9,461.85	9,352.03	109.82	86.161		
6,800.00	5,167.29	17,365.00	7,068.05	75.67	281.92	71.05	-4,856.02	-11,100.49	9,401.09	9,291.35	109.74	85.668		
6,900.00	5,233.24	17,365.00	7,068.05	77.10	281.92	71.05	-4,856.02	-11,100.49	9,341.00	9,231.33	109.67	85.175		
7,000.00	5,299.20	17,365.00	7,068.05	78.52	281.92	71.05	-4,856.02	-11,100.49	9,281.60	9,172.00	109.60	84.683		
7,100.00	5,365.15	17,365.00	7,068.05	79.94	281.92	71.05	-4,856.02	-11,100.49	9,222.91	9,113.36	109.55	84.191		
7,200.00	5,431.10	17,365.00	7,068.05	81.36	281.92	71.05	-4,856.02	-11,100.49	9,164.93	9,055.42	109.50	83.697		
7,300.00	5,497.06	17,365.00	7,068.05	82.79	281.92	71.05	-4,856.02	-11,100.49	9,107.67	8,998.21	109.47	83.199		
7,400.00	5,563.01	17,365.00	7,068.05	84.21	281.92	71.05	-4,856.02	-11,100.49	9,051.17	8,941.71	109.45	82.695		
7,500.00	5,628.97	17,365.00	7,068.05	85.63	281.92	71.05	-4,856.02	-11,100.49	8,995.41	8,885.96	109.46	82.183		
7,600.00	5,694.92	17,365.00	7,068.05	87.06	281.92	71.05	-4,856.02	-11,100.49	8,940.43	8,830.95	109.48	81.660		
7,700.00	5,760.87	17,365.00	7,068.05	88.48	281.92	71.05	-4,856.02	-11,100.49	8,886.24	8,776.70	109.54	81.123		
7,800.00	5,826.83	17,365.00	7,068.05	89.90	281.92	71.05	-4,856.02	-11,100.49	8,832.84	8,723.21	109.63	80.569		
7,900.00	5,892.78	17,365.00	7,068.05	91.33	281.92	71.05	-4,856.02	-11,100.49	8,780.26	8,670.49	109.76	79.992		
8,000.00	5,958.74	17,365.00	7,068.05	92.75	281.92	71.05	-4,856.02	-11,100.49	8,728.50	8,618.56	109.95	79.388		
8,100.00	6,024.69	17,365.00	7,068.05	94.17	281.92	71.05	-4,856.02	-11,100.49	8,677.59	8,567.40	110.19	78.751		
8,200.00	6,090.64	17,365.00	7,068.05	95.60	281.92	71.05	-4,856.02	-11,100.49	8,627.54	8,517.04	110.51	78.074		
8,300.00	6,156.60	17,365.00	7,068.05	97.02	281.92	71.05	-4,856.02	-11,100.49	8,578.37	8,467.46	110.91	77.349		
8,400.00	6,222.55	17,365.00	7,068.05	98.45	281.92	71.05	-4,856.02	-11,100.49	8,530.08	8,418.67	111.40	76.568		
8,500.00	6,288.51	17,365.00	7,068.05	99.87	281.92	71.05	-4,856.02	-11,100.49	8,482.69	8,370.67	112.02	75.723		
8,600.00	6,354.46	17,365.00	7,068.05	101.29	281.92	71.05	-4,856.02	-11,100.49	8,436.23	8,323.45	112.78	74.806		
8,700.00	6,420.41	17,365.00	7,068.05	102.72	281.92	71.05	-4,856.02	-11,100.49	8,390.70	8,277.01	113.68	73.807		
8,800.00	6,486.37	17,365.00	7,068.05	104.14	281.92	71.05	-4,856.02	-11,100.49	8,346.12	8,231.35	114.77	72.722		
8,900.00	6,552.32	17,365.00	7,068.05	105.57	281.92	71.05	-4,856.02	-11,100.49	8,302.50	8,186.46	116.05	71.545		
9,000.00	6,618.28	17,365.00	7,068.05	106.99	281.92	71.05	-4,856.02	-11,100.49	8,259.87	8,142.33	117.53	70.276		
9,100.00	6,684.23	17,365.00	7,068.05	108.42	281.92	71.05	-4,856.02	-11,100.49	8,218.23	8,098.98	119.24	68.920		
9,200.00	6,750.18	17,365.00	7,068.05	109.84	281.92	71.05	-4,856.02	-11,100.49	8,177.60	8,056.42	121.18	67.484		
9,300.00	6,816.14	17,365.00	7,068.05	111.26	281.92	71.05	-4,856.02	-11,100.49	8,138.00	8,014.66	123.34	65.980		
9,400.00	6,882.09	17,365.00	7,068.05	112.69	281.92	71.05	-4,856.02	-11,100.49	8,099.44	7,973.71	125.72	64.423		
9,500.00	6,948.05	17,365.00	7,068.05	114.11	281.92	71.05	-4,856.02	-11,100.49	8,061.93	7,933.62	128.31	62.830		
9,600.00	7,014.00	17,365.00	7,068.05	115.54	281.92	71.05	-4,856.02	-11,100.49	8,025.50	7,894.40	131.10	61.218		
9,700.00	7,079.98	17,365.00	7,068.05	116.97	281.92	69.68	-4,856.02	-11,100.49	7,989.90	7,855.85	134.05	59.602		
9,800.00	7,142.10	17,365.00	7,068.05	118.48	281.92	62.77	-4,856.02	-11,100.49	7,944.91	7,807.83	137.07	57.961		
9,900.00	7,197.32	17,365.00	7,068.05	120.08	281.92	57.54	-4,856.02	-11,100.49	7,885.99	7,746.00	139.99	56.331		
10,000.00	7,243.87	17,365.00	7,068.05	121.71	281.92	53.94	-4,856.02	-11,100.49	7,814.64	7,671.97	142.67	54.775		
10,100.00	7,280.34	17,365.00	7,068.05	123.32	281.92	52.00	-4,856.02	-11,100.49	7,732.72	7,587.75	144.97	53.341		
10,200.00	7,305.62	17,365.00	7,068.05	124.84	281.92	52.17	-4,856.02	-11,100.49	7,642.42	7,495.65	146.77	52.069		
10,300.00	7,318.93	17,365.00	7,068.05	126.22	281.92	57.17	-4,856.02	-11,100.49	7,546.24	7,398.26	147.99	50.993		
10,400.00	7,321.00	17,365.00	7,068.05	127.44	281.92	70.42	-4,856.02	-11,100.49	7,447.02	7,298.42	148.60	50.115		
10,500.00	7,321.00	17,365.00	7,068.05	128.66	281.92	70.42	-4,856.02	-11,100.49	7,347.48	7,198.37	149.11	49.275		
10,600.00	7,321.00	17,365.00	7,068.05	129.91	281.92	70.42	-4,856.02	-11,100.49	7,247.94	7,098.31	149.64	48.437		
10,700.00	7,321.00	17,365.00	7,068.05	131.19	281.92	70.42	-4,856.02	-11,100.49	7,148.42	6,998.24	150.18	47.599		
10,800.00	7,321.00	17,365.00	7,068.05	132.51	281.92	70.42	-4,856.02	-11,100.49	7,048.92	6,898.18	150.74	46.762		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
10,900.00	7,321.00	17,365.00	7,068.05	133.87	281.92	70.42	-4,856.02	-11,100.49	6,949.42	6,798.11	151.32	45.927		
11,000.00	7,321.00	17,365.00	7,068.05	135.26	281.92	70.42	-4,856.02	-11,100.49	6,849.95	6,698.03	151.91	45.092		
11,100.00	7,321.00	17,365.00	7,068.05	136.68	281.92	70.42	-4,856.02	-11,100.49	6,750.48	6,597.96	152.53	44.258		
11,200.00	7,321.00	17,365.00	7,068.05	138.14	281.92	70.42	-4,856.02	-11,100.49	6,651.04	6,497.87	153.16	43.425		
11,300.00	7,321.00	17,365.00	7,068.05	139.63	281.92	70.42	-4,856.02	-11,100.49	6,551.61	6,397.79	153.82	42.593		
11,400.00	7,321.00	17,365.00	7,068.05	141.15	281.92	70.42	-4,856.02	-11,100.49	6,452.19	6,297.70	154.50	41.762		
11,500.00	7,321.00	17,365.00	7,068.05	142.70	281.92	70.42	-4,856.02	-11,100.49	6,352.80	6,197.60	155.20	40.933		
11,600.00	7,321.00	17,365.00	7,068.05	144.29	281.92	70.42	-4,856.02	-11,100.49	6,253.43	6,097.50	155.93	40.105		
11,700.00	7,321.00	17,365.00	7,068.05	145.91	281.92	70.42	-4,856.02	-11,100.49	6,154.07	5,997.39	156.68	39.278		
11,800.00	7,321.00	17,365.00	7,068.05	147.55	281.92	70.42	-4,856.02	-11,100.49	6,054.74	5,897.28	157.46	38.453		
11,900.00	7,321.00	17,365.00	7,068.05	149.23	281.92	70.42	-4,856.02	-11,100.49	5,955.43	5,797.16	158.27	37.629		
12,000.00	7,321.00	17,365.00	7,068.05	150.93	281.92	70.42	-4,856.02	-11,100.49	5,856.14	5,697.04	159.10	36.807		
12,100.00	7,321.00	17,365.00	7,068.05	152.67	281.92	70.42	-4,856.02	-11,100.49	5,756.88	5,596.91	159.97	35.986		
12,200.00	7,321.00	17,365.00	7,068.05	154.43	281.92	70.42	-4,856.02	-11,100.49	5,657.64	5,496.77	160.88	35.168		
12,300.00	7,321.00	17,365.00	7,068.05	156.22	281.92	70.42	-4,856.02	-11,100.49	5,558.44	5,396.62	161.81	34.351		
12,400.00	7,321.00	17,365.00	7,068.05	158.04	281.92	70.42	-4,856.02	-11,100.49	5,459.26	5,296.47	162.78	33.537		
12,500.00	7,321.00	17,365.00	7,068.05	159.88	281.92	70.42	-4,856.02	-11,100.49	5,360.11	5,196.31	163.80	32.724		
12,600.00	7,321.00	17,365.00	7,068.05	161.75	281.92	70.42	-4,856.02	-11,100.49	5,260.99	5,096.14	164.85	31.914		
12,700.00	7,321.00	17,365.00	7,068.05	163.64	281.92	70.42	-4,856.02	-11,100.49	5,161.91	4,995.96	165.95	31.106		
12,800.00	7,321.00	17,365.00	7,068.05	165.56	281.92	70.42	-4,856.02	-11,100.49	5,062.86	4,895.77	167.09	30.301		
12,900.00	7,321.00	17,365.00	7,068.05	167.49	281.92	70.42	-4,856.02	-11,100.49	4,963.85	4,795.57	168.28	29.498		
13,000.00	7,321.00	17,365.00	7,068.05	169.46	281.92	70.42	-4,856.02	-11,100.49	4,864.88	4,695.36	169.52	28.698		
13,100.00	7,321.00	17,365.00	7,068.05	171.44	281.92	70.42	-4,856.02	-11,100.49	4,765.96	4,595.14	170.82	27.901		
13,200.00	7,321.00	17,365.00	7,068.05	173.45	281.92	70.42	-4,856.02	-11,100.49	4,667.08	4,494.91	172.17	27.107		
13,300.00	7,321.00	17,365.00	7,068.05	175.47	281.92	70.42	-4,856.02	-11,100.49	4,568.25	4,394.66	173.59	26.317		
13,400.00	7,321.00	17,365.00	7,068.05	177.52	281.92	70.42	-4,856.02	-11,100.49	4,469.47	4,294.40	175.07	25.529		
13,500.00	7,321.00	17,365.00	7,068.05	179.58	281.92	70.42	-4,856.02	-11,100.49	4,370.74	4,194.12	176.62	24.746		
13,600.00	7,321.00	17,365.00	7,068.05	181.67	281.92	70.42	-4,856.02	-11,100.49	4,272.08	4,093.83	178.25	23.966		
13,700.00	7,321.00	17,365.00	7,068.05	183.77	281.92	70.42	-4,856.02	-11,100.49	4,173.48	3,993.52	179.96	23.191		
13,800.00	7,321.00	17,365.00	7,068.05	185.89	281.92	70.42	-4,856.02	-11,100.49	4,074.95	3,893.19	181.76	22.420		
13,900.00	7,321.00	17,365.00	7,068.05	188.02	281.92	70.42	-4,856.02	-11,100.49	3,976.49	3,792.84	183.64	21.653		
14,000.00	7,321.00	17,365.00	7,068.05	190.18	281.92	70.42	-4,856.02	-11,100.49	3,878.11	3,692.48	185.63	20.891		
14,100.00	7,321.00	17,365.00	7,068.05	192.35	281.92	70.42	-4,856.02	-11,100.49	3,779.81	3,592.09	187.73	20.135		
14,200.00	7,321.00	17,365.00	7,068.05	194.53	281.92	70.42	-4,856.02	-11,100.49	3,681.61	3,491.68	189.93	19.384		
14,300.00	7,321.00	17,365.00	7,068.05	196.73	281.92	70.42	-4,856.02	-11,100.49	3,583.51	3,391.24	192.27	18.638		
14,400.00	7,321.00	17,365.00	7,068.05	198.95	281.92	70.42	-4,856.02	-11,100.49	3,485.51	3,290.78	194.74	17.899		
14,500.00	7,321.00	17,365.00	7,068.05	201.17	281.92	70.42	-4,856.02	-11,100.49	3,387.63	3,190.28	197.35	17.166		
14,600.00	7,321.00	17,365.00	7,068.05	203.42	281.92	70.42	-4,856.02	-11,100.49	3,289.88	3,089.76	200.12	16.440		
14,700.00	7,321.00	17,365.00	7,068.05	205.67	281.92	70.42	-4,856.02	-11,100.49	3,192.27	2,989.21	203.06	15.721		
14,800.00	7,321.00	17,365.00	7,068.05	207.94	281.92	70.42	-4,856.02	-11,100.49	3,094.81	2,888.62	206.19	15.009		
14,900.00	7,321.00	17,365.00	7,068.05	210.22	281.92	70.42	-4,856.02	-11,100.49	2,997.52	2,787.99	209.53	14.306		
15,000.00	7,321.00	17,365.00	7,068.05	212.51	281.92	70.42	-4,856.02	-11,100.49	2,900.41	2,687.33	213.09	13.611		
15,100.00	7,321.00	17,365.00	7,068.05	214.81	281.92	70.42	-4,856.02	-11,100.49	2,803.51	2,586.62	216.89	12.926		
15,200.00	7,321.00	17,365.00	7,068.05	217.12	281.92	70.42	-4,856.02	-11,100.49	2,706.83	2,485.87	220.96	12.250		
15,300.00	7,321.00	17,365.00	7,068.05	219.45	281.92	70.42	-4,856.02	-11,100.49	2,610.40	2,385.07	225.33	11.585		
15,400.00	7,321.00	17,365.00	7,068.05	221.78	281.92	70.42	-4,856.02	-11,100.49	2,514.25	2,284.22	230.02	10.930		
15,500.00	7,321.00	17,365.00	7,068.05	224.13	281.92	70.42	-4,856.02	-11,100.49	2,418.41	2,183.33	235.08	10.288		
15,600.00	7,321.00	17,365.00	7,068.05	226.48	281.92	70.42	-4,856.02	-11,100.49	2,322.92	2,082.38	240.54	9.657		
15,700.00	7,321.00	17,365.00	7,068.05	228.85	281.92	70.42	-4,856.02	-11,100.49	2,227.83	1,981.38	246.45	9.040		
15,800.00	7,321.00	17,365.00	7,068.05	231.22	281.92	70.42	-4,856.02	-11,100.49	2,133.19	1,880.34	252.85	8.436		
15,900.00	7,321.00	17,365.00	7,068.05	233.60	281.92	70.42	-4,856.02	-11,100.49	2,039.06	1,779.25	259.82	7.848		
16,000.00	7,321.00	17,365.00	7,068.05	235.99	281.92	70.42	-4,856.02	-11,100.49	1,945.52	1,678.12	267.40	7.276		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
16,100.00	7,321.00	17,365.00	7,068.05	238.39	281.92	70.42	-4,856.02	-11,100.49	1,852.65	1,576.96	275.69	6.720		
16,200.00	7,321.00	17,365.00	7,068.05	240.79	281.92	70.42	-4,856.02	-11,100.49	1,760.56	1,475.80	284.76	6.183		
16,300.00	7,321.00	17,365.00	7,068.05	243.21	281.92	70.42	-4,856.02	-11,100.49	1,669.38	1,374.67	294.71	5.664		
16,400.00	7,321.00	17,365.00	7,068.05	245.63	281.92	70.42	-4,856.02	-11,100.49	1,579.27	1,273.62	305.65	5.167		
16,500.00	7,321.00	17,365.00	7,068.05	248.06	281.92	70.42	-4,856.02	-11,100.49	1,490.43	1,172.73	317.70	4.691		
16,600.00	7,321.00	17,365.00	7,068.05	250.49	281.92	70.42	-4,856.02	-11,100.49	1,403.08	1,072.10	330.98	4.239		
16,700.00	7,321.00	17,365.00	7,068.05	252.93	281.92	70.42	-4,856.02	-11,100.49	1,317.54	971.92	345.62	3.812		
16,800.00	7,321.00	17,365.00	7,068.05	255.38	281.92	70.42	-4,856.02	-11,100.49	1,234.17	872.43	361.73	3.412		
16,900.00	7,321.00	17,365.00	7,068.05	257.84	281.92	70.42	-4,856.02	-11,100.49	1,153.44	774.05	379.39	3.040		
17,000.00	7,321.00	17,365.00	7,068.05	260.30	281.92	70.42	-4,856.02	-11,100.49	1,075.96	677.35	398.61	2.699		
17,100.00	7,321.00	17,365.00	7,068.05	262.76	281.92	70.42	-4,856.02	-11,100.49	1,002.48	583.22	419.26	2.391		
17,200.00	7,321.00	17,365.00	7,068.05	265.24	281.92	70.42	-4,856.02	-11,100.49	933.93	492.96	440.97	2.118		
17,300.00	7,321.00	17,365.00	7,068.05	267.72	281.92	70.42	-4,856.02	-11,100.49	871.49	408.46	463.03	1.882		
17,400.00	7,321.00	17,365.00	7,068.05	270.20	281.92	70.42	-4,856.02	-11,100.49	816.55	332.36	484.19	1.686		
17,500.00	7,321.00	17,365.00	7,068.05	272.69	281.92	70.42	-4,856.02	-11,100.49	770.73	268.11	502.62	1.533		
17,600.00	7,321.00	17,365.00	7,068.05	275.18	281.92	70.42	-4,856.02	-11,100.49	735.72	219.78	515.95	1.426	Level 3	
17,700.00	7,321.00	17,365.00	7,068.05	277.68	281.92	70.42	-4,856.02	-11,100.49	713.13	191.46	521.67	1.367	Level 3	
17,800.00	7,321.00	17,365.00	7,068.05	280.19	281.92	70.42	-4,856.02	-11,100.49	704.19	186.27	517.92	1.360	Level 3, ES, SF	
17,808.05	7,321.00	17,365.00	7,068.05	280.39	281.92	70.42	-4,856.02	-11,100.49	704.13	186.95	517.18	1.361	Level 3, CC	
17,900.00	7,321.00	17,282.92	7,067.27	282.71	279.69	70.41	-4,855.80	-11,182.57	706.74	190.55	516.19	1.369	Level 3	
18,000.00	7,321.00	17,181.53	7,065.55	285.26	276.94	70.39	-4,855.97	-11,283.94	712.64	196.26	516.38	1.380	Level 3	
18,100.00	7,321.00	17,088.94	7,062.60	287.83	274.43	70.33	-4,856.20	-11,376.48	722.24	206.57	515.66	1.401	Level 3	
18,200.00	7,321.00	16,996.23	7,058.76	290.41	271.92	70.28	-4,855.81	-11,469.10	736.05	220.95	515.10	1.429	Level 3	
18,300.00	7,321.00	16,894.71	7,057.06	293.00	269.17	70.53	-4,854.39	-11,570.59	753.13	236.80	516.33	1.459	Level 3	
18,400.00	7,321.00	16,803.06	7,056.62	295.59	266.68	70.95	-4,852.37	-11,662.22	771.60	254.77	516.83	1.493	Level 3	
18,500.00	7,321.00	16,702.91	7,055.38	298.19	263.96	71.32	-4,850.25	-11,762.33	790.27	272.25	518.02	1.526		
18,600.00	7,321.00	16,609.84	7,053.41	300.78	261.43	71.60	-4,848.27	-11,855.36	809.24	290.99	518.25	1.561		
18,700.00	7,321.00	16,505.84	7,050.61	303.38	258.61	71.87	-4,845.89	-11,959.30	828.58	309.14	519.44	1.595		
18,800.00	7,321.00	16,385.99	7,050.89	305.98	255.36	72.33	-4,845.50	-12,079.14	845.05	322.70	522.35	1.618		
18,900.00	7,321.00	16,273.64	7,051.07	308.58	252.32	72.73	-4,846.18	-12,191.49	860.93	336.68	524.24	1.642		
19,000.00	7,321.00	16,175.31	7,051.37	311.18	249.66	73.03	-4,848.46	-12,289.79	875.10	350.15	524.95	1.667		
19,100.00	7,321.00	16,060.06	7,051.25	313.78	246.55	73.35	-4,851.47	-12,405.00	889.19	362.60	526.60	1.689		
19,200.00	7,321.00	15,963.00	7,051.77	316.39	243.93	73.62	-4,854.97	-12,501.99	902.13	374.99	527.13	1.711		
19,300.00	7,321.00	15,869.00	7,051.56	318.99	241.39	73.84	-4,857.99	-12,595.94	915.65	388.28	527.37	1.736		
19,400.00	7,321.00	15,768.32	7,051.13	321.60	238.67	74.06	-4,861.16	-12,696.57	929.33	401.38	527.94	1.760		
19,500.00	7,321.00	15,675.39	7,050.54	324.21	236.16	74.26	-4,863.99	-12,789.45	943.13	415.10	528.02	1.786		
19,600.00	7,321.00	15,566.30	7,051.65	326.81	233.22	74.60	-4,867.32	-12,898.48	954.45	425.29	529.16	1.804		
19,700.00	7,321.00	15,475.87	7,052.31	329.42	230.78	74.81	-4,869.93	-12,988.87	962.70	433.67	529.03	1.820		
19,800.00	7,321.00	15,379.02	7,052.10	332.01	228.17	74.91	-4,872.53	-13,085.69	968.03	439.03	529.00	1.830		
19,900.00	7,321.00	15,292.95	7,052.84	334.60	225.84	75.01	-4,873.70	-13,171.75	971.01	442.69	528.31	1.838		
20,000.00	7,321.00	15,208.00	7,054.33	337.16	223.54	75.11	-4,873.56	-13,256.68	971.88	444.41	527.46	1.843		
20,100.00	7,321.00	15,133.64	7,055.67	339.72	221.53	75.21	-4,871.83	-13,331.01	972.81	447.28	525.53	1.851		
20,200.00	7,321.00	15,028.55	7,057.05	342.28	218.68	75.33	-4,867.58	-13,436.00	975.48	449.22	526.26	1.854		
20,300.00	7,321.00	14,929.67	7,057.13	344.84	216.00	75.37	-4,864.69	-13,534.83	977.34	451.12	526.22	1.857		
20,400.00	7,321.00	14,826.87	7,055.66	347.40	213.21	75.31	-4,862.06	-13,637.59	979.23	452.91	526.32	1.861		
20,500.00	7,321.00	14,716.61	7,052.95	349.97	210.22	75.16	-4,860.31	-13,747.80	980.46	453.64	526.82	1.861		
20,540.60	7,321.00	14,670.07	7,051.81	351.01	208.96	75.10	-4,859.98	-13,794.32	980.61	453.49	527.13	1.860		

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 5-T6N-R67W - MICKEY 13 - ORIGINAL WELLBORE - WB #1 - Patterson 346													Offset Site Error:	0.00 usft
Survey Program: 1583-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,900.00	4,573.70	17,484.00	7,343.44	62.89	282.45	71.65	-5,026.45	-11,076.62	10,057.21	9,941.53	115.68	86.940		
6,000.00	4,639.66	17,484.00	7,343.44	64.31	282.45	71.65	-5,026.45	-11,076.62	9,989.24	9,873.62	115.62	86.399		
6,100.00	4,705.61	17,484.00	7,343.44	65.73	282.45	71.65	-5,026.45	-11,076.62	9,921.80	9,806.25	115.55	85.864		
6,200.00	4,771.56	17,484.00	7,343.44	67.15	282.45	71.65	-5,026.45	-11,076.62	9,854.92	9,739.43	115.49	85.334		
6,300.00	4,837.52	17,484.00	7,343.44	68.57	282.45	71.65	-5,026.45	-11,076.62	9,788.60	9,673.19	115.42	84.809		
6,400.00	4,903.47	17,484.00	7,343.44	69.99	282.45	71.65	-5,026.45	-11,076.62	9,722.86	9,607.51	115.35	84.290		
6,500.00	4,969.43	17,484.00	7,343.44	71.41	282.45	71.65	-5,026.45	-11,076.62	9,657.71	9,542.43	115.28	83.776		
6,600.00	5,035.38	17,484.00	7,343.44	72.83	282.45	71.65	-5,026.45	-11,076.62	9,593.16	9,477.95	115.21	83.268		
6,700.00	5,101.33	17,484.00	7,343.44	74.25	282.45	71.65	-5,026.45	-11,076.62	9,529.22	9,414.08	115.14	82.764		
6,800.00	5,167.29	17,484.00	7,343.44	75.67	282.45	71.65	-5,026.45	-11,076.62	9,465.90	9,350.83	115.07	82.264		
6,900.00	5,233.24	17,484.00	7,343.44	77.10	282.45	71.65	-5,026.45	-11,076.62	9,403.22	9,288.23	115.00	81.768		
7,000.00	5,299.20	17,484.00	7,343.44	78.52	282.45	71.65	-5,026.45	-11,076.62	9,341.19	9,226.26	114.93	81.276		
7,100.00	5,365.15	17,484.00	7,343.44	79.94	282.45	71.65	-5,026.45	-11,076.62	9,279.83	9,164.96	114.87	80.787		
7,200.00	5,431.10	17,484.00	7,343.44	81.36	282.45	71.65	-5,026.45	-11,076.62	9,219.14	9,104.33	114.81	80.300		
7,300.00	5,497.06	17,484.00	7,343.44	82.79	282.45	71.65	-5,026.45	-11,076.62	9,159.14	9,044.38	114.75	79.815		
7,400.00	5,563.01	17,484.00	7,343.44	84.21	282.45	71.65	-5,026.45	-11,076.62	9,099.84	8,985.13	114.71	79.330		
7,500.00	5,628.97	17,484.00	7,343.44	85.63	282.45	71.65	-5,026.45	-11,076.62	9,041.26	8,926.59	114.67	78.844		
7,600.00	5,694.92	17,484.00	7,343.44	87.06	282.45	71.65	-5,026.45	-11,076.62	8,983.42	8,868.77	114.65	78.356		
7,700.00	5,760.87	17,484.00	7,343.44	88.48	282.45	71.65	-5,026.45	-11,076.62	8,926.31	8,811.67	114.64	77.864		
7,800.00	5,826.83	17,484.00	7,343.44	89.90	282.45	71.65	-5,026.45	-11,076.62	8,869.97	8,755.32	114.65	77.367		
7,900.00	5,892.78	17,484.00	7,343.44	91.33	282.45	71.65	-5,026.45	-11,076.62	8,814.40	8,699.72	114.68	76.861		
8,000.00	5,958.74	17,484.00	7,343.44	92.75	282.45	71.65	-5,026.45	-11,076.62	8,759.62	8,644.88	114.74	76.344		
8,100.00	6,024.69	17,484.00	7,343.44	94.17	282.45	71.65	-5,026.45	-11,076.62	8,705.65	8,590.82	114.83	75.814		
8,200.00	6,090.64	17,484.00	7,343.44	95.60	282.45	71.65	-5,026.45	-11,076.62	8,652.49	8,537.53	114.96	75.266		
8,300.00	6,156.60	17,484.00	7,343.44	97.02	282.45	71.65	-5,026.45	-11,076.62	8,600.17	8,485.03	115.14	74.696		
8,400.00	6,222.55	17,484.00	7,343.44	98.45	282.45	71.65	-5,026.45	-11,076.62	8,548.70	8,433.33	115.37	74.099		
8,500.00	6,288.51	17,484.00	7,343.44	99.87	282.45	71.65	-5,026.45	-11,076.62	8,498.09	8,382.42	115.67	73.469		
8,600.00	6,354.46	17,484.00	7,343.44	101.29	282.45	71.65	-5,026.45	-11,076.62	8,448.36	8,332.31	116.05	72.800		
8,700.00	6,420.41	17,484.00	7,343.44	102.72	282.45	71.65	-5,026.45	-11,076.62	8,399.53	8,283.01	116.52	72.086		
8,800.00	6,486.37	17,484.00	7,343.44	104.14	282.45	71.65	-5,026.45	-11,076.62	8,351.61	8,234.51	117.10	71.318		
8,900.00	6,552.32	17,484.00	7,343.44	105.57	282.45	71.65	-5,026.45	-11,076.62	8,304.62	8,186.81	117.82	70.488		
9,000.00	6,618.28	17,484.00	7,343.44	106.99	282.45	71.65	-5,026.45	-11,076.62	8,258.57	8,139.90	118.67	69.590		
9,100.00	6,684.23	17,484.00	7,343.44	108.42	282.45	71.65	-5,026.45	-11,076.62	8,213.49	8,093.79	119.70	68.618		
9,200.00	6,750.18	17,484.00	7,343.44	109.84	282.45	71.65	-5,026.45	-11,076.62	8,169.37	8,048.46	120.91	67.566		
9,300.00	6,816.14	17,484.00	7,343.44	111.26	282.45	71.65	-5,026.45	-11,076.62	8,126.25	8,003.93	122.33	66.432		
9,400.00	6,882.09	17,484.00	7,343.44	112.69	282.45	71.65	-5,026.45	-11,076.62	8,084.14	7,960.18	123.96	65.217		
9,500.00	6,948.05	17,484.00	7,343.44	114.11	282.45	71.65	-5,026.45	-11,076.62	8,043.04	7,917.23	125.81	63.928		
9,600.00	7,014.00	17,484.00	7,343.44	115.54	282.45	71.65	-5,026.45	-11,076.62	8,002.99	7,875.09	127.90	62.572		
9,700.00	7,079.88	17,484.00	7,343.44	116.97	282.45	70.29	-5,026.45	-11,076.62	7,963.75	7,833.54	130.21	61.161		
9,800.00	7,142.10	17,484.00	7,343.44	118.48	282.45	63.47	-5,026.45	-11,076.62	7,915.28	7,782.62	132.66	59.667		
9,900.00	7,197.32	17,484.00	7,343.44	120.08	282.45	58.38	-5,026.45	-11,076.62	7,853.22	7,718.13	135.08	58.136		
10,000.00	7,243.87	17,484.00	7,343.44	121.71	282.45	55.01	-5,026.45	-11,076.62	7,779.15	7,641.81	137.34	56.641		
10,100.00	7,280.34	17,484.00	7,343.44	123.32	282.45	53.51	-5,026.45	-11,076.62	7,695.02	7,555.73	139.29	55.243		
10,200.00	7,305.62	17,484.00	7,343.44	124.84	282.45	54.74	-5,026.45	-11,076.62	7,603.10	7,462.29	140.81	53.994		
10,300.00	7,318.93	17,484.00	7,343.44	126.22	282.45	64.21	-5,026.45	-11,076.62	7,505.94	7,364.14	141.80	52.934		
10,400.00	7,321.00	17,484.00	7,343.44	127.44	282.45	94.58	-5,026.45	-11,076.62	7,406.38	7,264.14	142.24	52.071		
10,500.00	7,321.00	17,484.00	7,343.44	128.66	282.45	94.58	-5,026.45	-11,076.62	7,306.60	7,164.03	142.58	51.246		
10,600.00	7,321.00	17,484.00	7,343.44	129.91	282.45	94.58	-5,026.45	-11,076.62	7,206.84	7,063.90	142.93	50.421		
10,700.00	7,321.00	17,484.00	7,343.44	131.19	282.45	94.58	-5,026.45	-11,076.62	7,107.08	6,963.78	143.30	49.596		
10,800.00	7,321.00	17,484.00	7,343.44	132.51	282.45	94.58	-5,026.45	-11,076.62	7,007.32	6,863.65	143.68	48.772		
10,900.00	7,321.00	17,484.00	7,343.44	133.87	282.45	94.58	-5,026.45	-11,076.62	6,907.57	6,763.51	144.07	47.947		
11,000.00	7,321.00	17,484.00	7,343.44	135.26	282.45	94.58	-5,026.45	-11,076.62	6,807.84	6,663.37	144.47	47.123		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
11,100.00	7,321.00	17,484.00	7,343.44	136.68	282.45	94.58	-5,026.45	-11,076.62	6,708.10	6,563.22	144.89	46.299		
11,200.00	7,321.00	17,484.00	7,343.44	138.14	282.45	94.58	-5,026.45	-11,076.62	6,608.38	6,463.06	145.32	45.475		
11,300.00	7,321.00	17,484.00	7,343.44	139.63	282.45	94.58	-5,026.45	-11,076.62	6,508.66	6,362.90	145.76	44.652		
11,400.00	7,321.00	17,484.00	7,343.44	141.15	282.45	94.58	-5,026.45	-11,076.62	6,408.96	6,262.73	146.23	43.829		
11,500.00	7,321.00	17,484.00	7,343.44	142.70	282.45	94.58	-5,026.45	-11,076.62	6,309.26	6,162.55	146.71	43.006		
11,600.00	7,321.00	17,484.00	7,343.44	144.29	282.45	94.58	-5,026.45	-11,076.62	6,209.57	6,062.37	147.20	42.184		
11,700.00	7,321.00	17,484.00	7,343.44	145.91	282.45	94.58	-5,026.45	-11,076.62	6,109.90	5,962.18	147.72	41.362		
11,800.00	7,321.00	17,484.00	7,343.44	147.55	282.45	94.58	-5,026.45	-11,076.62	6,010.23	5,861.97	148.25	40.540		
11,900.00	7,321.00	17,484.00	7,343.44	149.23	282.45	94.58	-5,026.45	-11,076.62	5,910.57	5,761.76	148.81	39.719		
12,000.00	7,321.00	17,484.00	7,343.44	150.93	282.45	94.58	-5,026.45	-11,076.62	5,810.93	5,661.54	149.39	38.899		
12,100.00	7,321.00	17,484.00	7,343.44	152.67	282.45	94.58	-5,026.45	-11,076.62	5,711.30	5,561.31	149.99	38.079		
12,200.00	7,321.00	17,484.00	7,343.44	154.43	282.45	94.58	-5,026.45	-11,076.62	5,611.68	5,461.07	150.61	37.259		
12,300.00	7,321.00	17,484.00	7,343.44	156.22	282.45	94.58	-5,026.45	-11,076.62	5,512.08	5,360.82	151.26	36.441		
12,400.00	7,321.00	17,484.00	7,343.44	158.04	282.45	94.58	-5,026.45	-11,076.62	5,412.49	5,260.55	151.94	35.623		
12,500.00	7,321.00	17,484.00	7,343.44	159.88	282.45	94.58	-5,026.45	-11,076.62	5,312.91	5,160.27	152.64	34.806		
12,600.00	7,321.00	17,484.00	7,343.44	161.75	282.45	94.58	-5,026.45	-11,076.62	5,213.36	5,059.98	153.38	33.990		
12,700.00	7,321.00	17,484.00	7,343.44	163.64	282.45	94.58	-5,026.45	-11,076.62	5,113.82	4,959.67	154.15	33.175		
12,800.00	7,321.00	17,484.00	7,343.44	165.56	282.45	94.58	-5,026.45	-11,076.62	5,014.29	4,859.34	154.95	32.361		
12,900.00	7,321.00	17,484.00	7,343.44	167.49	282.45	94.58	-5,026.45	-11,076.62	4,914.79	4,759.00	155.79	31.548		
13,000.00	7,321.00	17,484.00	7,343.44	169.46	282.45	94.58	-5,026.45	-11,076.62	4,815.31	4,658.64	156.66	30.736		
13,100.00	7,321.00	17,484.00	7,343.44	171.44	282.45	94.58	-5,026.45	-11,076.62	4,715.85	4,558.26	157.58	29.926		
13,200.00	7,321.00	17,484.00	7,343.44	173.45	282.45	94.58	-5,026.45	-11,076.62	4,616.41	4,457.87	158.55	29.117		
13,300.00	7,321.00	17,484.00	7,343.44	175.47	282.45	94.58	-5,026.45	-11,076.62	4,517.00	4,357.44	159.55	28.310		
13,400.00	7,321.00	17,484.00	7,343.44	177.52	282.45	94.58	-5,026.45	-11,076.62	4,417.61	4,257.00	160.61	27.504		
13,500.00	7,321.00	17,484.00	7,343.44	179.58	282.45	94.58	-5,026.45	-11,076.62	4,318.26	4,156.53	161.73	26.701		
13,600.00	7,321.00	17,484.00	7,343.44	181.67	282.45	94.58	-5,026.45	-11,076.62	4,218.93	4,056.03	162.90	25.899		
13,700.00	7,321.00	17,484.00	7,343.44	183.77	282.45	94.58	-5,026.45	-11,076.62	4,119.63	3,955.50	164.13	25.099		
13,800.00	7,321.00	17,484.00	7,343.44	185.89	282.45	94.58	-5,026.45	-11,076.62	4,020.38	3,854.94	165.43	24.302		
13,900.00	7,321.00	17,484.00	7,343.44	188.02	282.45	94.58	-5,026.45	-11,076.62	3,921.15	3,754.35	166.80	23.508		
14,000.00	7,321.00	17,484.00	7,343.44	190.18	282.45	94.58	-5,026.45	-11,076.62	3,821.97	3,653.72	168.25	22.716		
14,100.00	7,321.00	17,484.00	7,343.44	192.35	282.45	94.58	-5,026.45	-11,076.62	3,722.84	3,553.05	169.79	21.927		
14,200.00	7,321.00	17,484.00	7,343.44	194.53	282.45	94.58	-5,026.45	-11,076.62	3,623.75	3,452.34	171.41	21.141		
14,300.00	7,321.00	17,484.00	7,343.44	196.73	282.45	94.58	-5,026.45	-11,076.62	3,524.71	3,351.58	173.13	20.358		
14,400.00	7,321.00	17,484.00	7,343.44	198.95	282.45	94.58	-5,026.45	-11,076.62	3,425.73	3,250.76	174.96	19.580		
14,500.00	7,321.00	17,484.00	7,343.44	201.17	282.45	94.58	-5,026.45	-11,076.62	3,326.80	3,149.90	176.91	18.805		
14,600.00	7,321.00	17,484.00	7,343.44	203.42	282.45	94.58	-5,026.45	-11,076.62	3,227.95	3,048.97	178.98	18.035		
14,700.00	7,321.00	17,484.00	7,343.44	205.67	282.45	94.58	-5,026.45	-11,076.62	3,129.17	2,947.97	181.19	17.270		
14,800.00	7,321.00	17,484.00	7,343.44	207.94	282.45	94.58	-5,026.45	-11,076.62	3,030.46	2,846.90	183.56	16.510		
14,900.00	7,321.00	17,484.00	7,343.44	210.22	282.45	94.58	-5,026.45	-11,076.62	2,931.85	2,745.76	186.09	15.755		
15,000.00	7,321.00	17,484.00	7,343.44	212.51	282.45	94.58	-5,026.45	-11,076.62	2,833.33	2,644.52	188.81	15.006		
15,100.00	7,321.00	17,484.00	7,343.44	214.81	282.45	94.58	-5,026.45	-11,076.62	2,734.92	2,543.19	191.73	14.264		
15,200.00	7,321.00	17,484.00	7,343.44	217.12	282.45	94.58	-5,026.45	-11,076.62	2,636.63	2,441.75	194.88	13.529		
15,300.00	7,321.00	17,484.00	7,343.44	219.45	282.45	94.58	-5,026.45	-11,076.62	2,538.47	2,340.19	198.29	12.802		
15,400.00	7,321.00	17,484.00	7,343.44	221.78	282.45	94.58	-5,026.45	-11,076.62	2,440.47	2,238.49	201.97	12.083		
15,500.00	7,321.00	17,484.00	7,343.44	224.13	282.45	94.58	-5,026.45	-11,076.62	2,342.63	2,136.65	205.98	11.373		
15,600.00	7,321.00	17,484.00	7,343.44	226.48	282.45	94.58	-5,026.45	-11,076.62	2,244.98	2,034.65	210.33	10.673		
15,700.00	7,321.00	17,484.00	7,343.44	228.85	282.45	94.58	-5,026.45	-11,076.62	2,147.55	1,932.45	215.09	9.984		
15,800.00	7,321.00	17,484.00	7,343.44	231.22	282.45	94.58	-5,026.45	-11,076.62	2,050.36	1,830.05	220.31	9.307		
15,900.00	7,321.00	17,484.00	7,343.44	233.60	282.45	94.58	-5,026.45	-11,076.62	1,953.46	1,727.42	226.04	8.642		
16,000.00	7,321.00	17,484.00	7,343.44	235.99	282.45	94.58	-5,026.45	-11,076.62	1,856.89	1,624.52	232.37	7.991		
16,100.00	7,321.00	17,484.00	7,343.44	238.39	282.45	94.58	-5,026.45	-11,076.62	1,760.70	1,521.32	239.38	7.355		
16,200.00	7,321.00	17,484.00	7,343.44	240.79	282.45	94.58	-5,026.45	-11,076.62	1,664.97	1,417.79	247.18	6.736		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
16,300.00	7,321.00	17,484.00	7,343.44	243.21	282.45	94.58	-5,026.45	-11,076.62	1,569.76	1,313.86	255.89	6.134		
16,400.00	7,321.00	17,484.00	7,343.44	245.63	282.45	94.58	-5,026.45	-11,076.62	1,475.18	1,209.51	265.67	5.553		
16,500.00	7,321.00	17,484.00	7,343.44	248.06	282.45	94.58	-5,026.45	-11,076.62	1,381.37	1,104.67	276.71	4.992		
16,600.00	7,321.00	17,484.00	7,343.44	250.49	282.45	94.58	-5,026.45	-11,076.62	1,288.50	999.28	289.22	4.455		
16,700.00	7,321.00	17,484.00	7,343.44	252.93	282.45	94.58	-5,026.45	-11,076.62	1,196.77	893.30	303.46	3.944		
16,800.00	7,321.00	17,484.00	7,343.44	255.38	282.45	94.58	-5,026.45	-11,076.62	1,106.47	786.71	319.76	3.460		
16,900.00	7,321.00	17,484.00	7,343.44	257.84	282.45	94.58	-5,026.45	-11,076.62	1,017.99	679.52	338.48	3.008		
17,000.00	7,321.00	17,484.00	7,343.44	260.30	282.45	94.58	-5,026.45	-11,076.62	931.85	571.85	359.99	2.589		
17,100.00	7,321.00	17,484.00	7,343.44	262.76	282.45	94.58	-5,026.45	-11,076.62	848.74	464.06	384.68	2.206		
17,200.00	7,321.00	17,484.00	7,343.44	265.24	282.45	94.58	-5,026.45	-11,076.62	769.67	356.89	412.78	1.865		
17,300.00	7,321.00	17,484.00	7,343.44	267.72	282.45	94.58	-5,026.45	-11,076.62	696.01	251.91	444.10	1.567		
17,400.00	7,321.00	17,484.00	7,343.44	270.20	282.45	94.58	-5,026.45	-11,076.62	629.65	152.09	477.56	1.318	Level 3	
17,500.00	7,321.00	17,484.00	7,343.44	272.69	282.45	94.58	-5,026.45	-11,076.62	573.13	62.74	510.39	1.123	Level 2	
17,600.00	7,321.00	17,484.00	7,343.44	275.18	282.45	94.58	-5,026.45	-11,076.62	529.63	-7.77	537.40	0.986	Level 1	
17,700.00	7,321.00	17,484.00	7,343.44	277.68	282.45	94.58	-5,026.45	-11,076.62	502.53	-48.74	551.27	0.912	Level 1	
17,800.00	7,321.00	17,458.15	7,343.32	280.19	281.75	94.57	-5,027.28	-11,102.46	493.91	-55.18	549.09	0.900	Level 1	
17,864.55	7,321.00	17,395.41	7,343.01	281.81	280.05	94.54	-5,029.23	-11,165.16	492.98	-55.89	548.88	0.898	Level 1, CC, ES, SF	
17,900.00	7,321.00	17,362.88	7,342.87	282.71	279.17	94.52	-5,030.05	-11,197.69	493.31	-55.23	548.54	0.899	Level 1	
18,000.00	7,321.00	17,269.39	7,341.57	285.26	276.64	94.34	-5,031.36	-11,291.16	497.61	-50.16	547.77	0.908	Level 1	
18,100.00	7,321.00	17,160.53	7,336.76	287.83	273.70	93.73	-5,033.31	-11,399.89	504.78	-44.30	549.08	0.919	Level 1	
18,200.00	7,321.00	17,062.05	7,330.19	290.41	271.04	92.93	-5,035.30	-11,498.12	515.14	-34.00	549.14	0.938	Level 1	
18,300.00	7,321.00	16,959.42	7,318.74	293.00	268.29	91.62	-5,038.07	-11,600.06	528.15	-21.45	549.61	0.961	Level 1	
18,400.00	7,321.00	16,864.64	7,306.75	295.59	265.75	90.29	-5,040.15	-11,694.06	542.94	-6.04	548.97	0.989	Level 1	
18,500.00	7,321.00	16,767.45	7,292.63	298.19	263.16	88.82	-5,042.28	-11,790.19	558.07	9.80	548.27	1.018	Level 2	
18,600.00	7,321.00	16,674.36	7,278.51	300.78	260.68	87.42	-5,043.67	-11,882.19	574.26	27.45	546.81	1.050	Level 2	
18,700.00	7,321.00	16,580.12	7,264.45	303.38	258.16	86.10	-5,044.53	-11,975.38	591.35	46.09	545.26	1.085	Level 2	
18,800.00	7,321.00	16,486.32	7,251.93	305.98	255.65	85.01	-5,044.62	-12,068.34	609.42	65.79	543.63	1.121	Level 2	
18,900.00	7,321.00	16,391.10	7,241.26	308.58	253.09	84.16	-5,044.09	-12,162.95	628.11	85.82	542.29	1.158	Level 2	
19,000.00	7,321.00	16,303.80	7,235.66	311.18	250.72	83.81	-5,042.61	-12,250.05	647.57	107.17	540.40	1.198	Level 2	
19,100.00	7,321.00	16,236.00	7,234.32	313.78	248.89	83.83	-5,039.16	-12,317.73	670.03	134.24	535.79	1.251	Level 3	
19,200.00	7,321.00	16,156.09	7,235.43	316.39	246.72	84.12	-5,032.04	-12,397.31	695.76	162.67	533.09	1.305	Level 3	
19,300.00	7,321.00	16,042.29	7,235.86	318.99	243.64	84.41	-5,020.91	-12,510.53	722.43	186.22	536.21	1.347	Level 3	
19,400.00	7,321.00	15,942.80	7,229.76	321.60	240.94	84.12	-5,013.67	-12,609.55	747.22	210.99	536.23	1.393	Level 3	
19,500.00	7,321.00	15,846.90	7,223.16	324.21	238.35	83.80	-5,006.57	-12,704.96	772.21	236.55	535.66	1.442	Level 3	
19,600.00	7,321.00	15,710.32	7,219.25	326.81	234.64	83.78	-4,999.64	-12,841.29	792.45	252.01	540.44	1.466	Level 3	
19,700.00	7,321.00	15,591.75	7,215.34	329.42	231.43	83.65	-4,998.26	-12,959.77	805.46	263.28	542.17	1.486	Level 3	
19,800.00	7,321.00	15,494.68	7,209.95	332.01	228.80	83.35	-4,998.31	-13,056.70	814.14	272.60	541.54	1.503		
19,900.00	7,321.00	15,381.86	7,201.64	334.60	225.76	82.82	-4,999.20	-13,169.20	818.86	276.88	541.99	1.511		
20,000.00	7,321.00	15,296.00	7,194.47	337.16	223.45	82.32	-5,000.27	-13,254.75	819.93	279.88	540.05	1.518		
20,100.00	7,321.00	15,202.00	7,188.62	339.72	220.91	81.91	-4,999.89	-13,348.56	820.25	281.36	538.89	1.522		
20,200.00	7,321.00	15,103.00	7,186.27	342.28	218.22	81.76	-4,998.15	-13,447.52	821.36	282.80	538.56	1.525		
20,300.00	7,321.00	14,988.67	7,185.71	344.84	215.13	81.72	-4,996.87	-13,561.83	821.59	281.73	539.85	1.522		
20,400.00	7,321.00	14,877.35	7,183.06	347.40	212.12	81.51	-4,998.17	-13,673.11	819.78	279.27	540.52	1.517		
20,500.00	7,321.00	14,781.29	7,178.00	349.97	209.53	81.14	-4,999.86	-13,769.02	817.88	278.25	539.63	1.516		
20,540.60	7,321.00	14,742.80	7,175.81	351.01	208.49	80.97	-5,000.40	-13,807.45	817.27	278.07	539.20	1.516		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
10,900.00	7,321.00	17,140.00	7,404.68	133.87	269.49	-94.35	-6,921.94	-14,155.57	10,067.98	9,922.95	145.03	69.419		
11,000.00	7,321.00	17,140.00	7,404.68	135.26	269.49	-94.35	-6,921.94	-14,155.57	9,968.97	9,824.01	144.96	68.772		
11,100.00	7,321.00	17,140.00	7,404.68	136.68	269.49	-94.35	-6,921.94	-14,155.57	9,869.98	9,725.10	144.88	68.125		
11,200.00	7,321.00	17,140.00	7,404.68	138.14	269.49	-94.35	-6,921.94	-14,155.57	9,771.01	9,626.20	144.81	67.476		
11,300.00	7,321.00	17,140.00	7,404.68	139.63	269.49	-94.35	-6,921.94	-14,155.57	9,672.06	9,527.33	144.73	66.827		
11,400.00	7,321.00	17,140.00	7,404.68	141.15	269.49	-94.35	-6,921.94	-14,155.57	9,573.13	9,428.47	144.66	66.178		
11,500.00	7,321.00	17,140.00	7,404.68	142.70	269.49	-94.35	-6,921.94	-14,155.57	9,474.23	9,329.64	144.58	65.527		
11,600.00	7,321.00	17,140.00	7,404.68	144.29	269.49	-94.35	-6,921.94	-14,155.57	9,375.35	9,230.83	144.51	64.876		
11,700.00	7,321.00	17,140.00	7,404.68	145.91	269.49	-94.35	-6,921.94	-14,155.57	9,276.49	9,132.05	144.44	64.224		
11,800.00	7,321.00	17,140.00	7,404.68	147.55	269.49	-94.35	-6,921.94	-14,155.57	9,177.66	9,033.29	144.37	63.571		
11,900.00	7,321.00	17,140.00	7,404.68	149.23	269.49	-94.35	-6,921.94	-14,155.57	9,078.85	8,934.55	144.30	62.917		
12,000.00	7,321.00	17,140.00	7,404.68	150.93	269.49	-94.35	-6,921.94	-14,155.57	8,980.07	8,835.84	144.23	62.262		
12,100.00	7,321.00	17,140.00	7,404.68	152.67	269.49	-94.35	-6,921.94	-14,155.57	8,881.32	8,737.15	144.16	61.607		
12,200.00	7,321.00	17,140.00	7,404.68	154.43	269.49	-94.35	-6,921.94	-14,155.57	8,782.59	8,638.50	144.09	60.950		
12,300.00	7,321.00	17,140.00	7,404.68	156.22	269.49	-94.35	-6,921.94	-14,155.57	8,683.90	8,539.87	144.03	60.292		
12,400.00	7,321.00	17,140.00	7,404.68	158.04	269.49	-94.35	-6,921.94	-14,155.57	8,585.23	8,441.26	143.97	59.634		
12,500.00	7,321.00	17,140.00	7,404.68	159.88	269.49	-94.35	-6,921.94	-14,155.57	8,486.60	8,342.69	143.90	58.974		
12,600.00	7,321.00	17,140.00	7,404.68	161.75	269.49	-94.35	-6,921.94	-14,155.57	8,387.99	8,244.15	143.84	58.313		
12,700.00	7,321.00	17,140.00	7,404.68	163.64	269.49	-94.35	-6,921.94	-14,155.57	8,289.42	8,145.64	143.79	57.651		
12,800.00	7,321.00	17,140.00	7,404.68	165.56	269.49	-94.35	-6,921.94	-14,155.57	8,190.89	8,047.16	143.73	56.988		
12,900.00	7,321.00	17,140.00	7,404.68	167.49	269.49	-94.35	-6,921.94	-14,155.57	8,092.39	7,948.72	143.68	56.324		
13,000.00	7,321.00	17,140.00	7,404.68	169.46	269.49	-94.35	-6,921.94	-14,155.57	7,993.93	7,850.31	143.63	55.658		
13,100.00	7,321.00	17,140.00	7,404.68	171.44	269.49	-94.35	-6,921.94	-14,155.57	7,895.51	7,751.93	143.58	54.991		
13,200.00	7,321.00	17,140.00	7,404.68	173.45	269.49	-94.35	-6,921.94	-14,155.57	7,797.13	7,653.59	143.53	54.322		
13,300.00	7,321.00	17,140.00	7,404.68	175.47	269.49	-94.35	-6,921.94	-14,155.57	7,698.79	7,555.29	143.49	53.652		
13,400.00	7,321.00	17,140.00	7,404.68	177.52	269.49	-94.35	-6,921.94	-14,155.57	7,600.49	7,457.03	143.46	52.981		
13,500.00	7,321.00	17,140.00	7,404.68	179.58	269.49	-94.35	-6,921.94	-14,155.57	7,502.24	7,358.81	143.43	52.307		
13,600.00	7,321.00	17,140.00	7,404.68	181.67	269.49	-94.35	-6,921.94	-14,155.57	7,404.03	7,260.63	143.40	51.632		
13,700.00	7,321.00	17,140.00	7,404.68	183.77	269.49	-94.35	-6,921.94	-14,155.57	7,305.88	7,162.50	143.38	50.955		
13,800.00	7,321.00	17,140.00	7,404.68	185.89	269.49	-94.35	-6,921.94	-14,155.57	7,207.77	7,064.41	143.36	50.276		
13,900.00	7,321.00	17,140.00	7,404.68	188.02	269.49	-94.35	-6,921.94	-14,155.57	7,109.72	6,966.36	143.36	49.595		
14,000.00	7,321.00	17,140.00	7,404.68	190.18	269.49	-94.35	-6,921.94	-14,155.57	7,011.72	6,868.37	143.36	48.911		
14,100.00	7,321.00	17,140.00	7,404.68	192.35	269.49	-94.35	-6,921.94	-14,155.57	6,913.78	6,770.42	143.36	48.226		
14,200.00	7,321.00	17,140.00	7,404.68	194.53	269.49	-94.35	-6,921.94	-14,155.57	6,815.90	6,672.52	143.38	47.537		
14,300.00	7,321.00	17,140.00	7,404.68	196.73	269.49	-94.35	-6,921.94	-14,155.57	6,718.08	6,574.68	143.41	46.846		
14,400.00	7,321.00	17,140.00	7,404.68	198.95	269.49	-94.35	-6,921.94	-14,155.57	6,620.33	6,476.88	143.44	46.153		
14,500.00	7,321.00	17,140.00	7,404.68	201.17	269.49	-94.35	-6,921.94	-14,155.57	6,522.64	6,379.15	143.49	45.456		
14,600.00	7,321.00	17,140.00	7,404.68	203.42	269.49	-94.35	-6,921.94	-14,155.57	6,425.03	6,281.47	143.56	44.756		
14,700.00	7,321.00	17,140.00	7,404.68	205.67	269.49	-94.35	-6,921.94	-14,155.57	6,327.49	6,183.86	143.64	44.052		
14,800.00	7,321.00	17,140.00	7,404.68	207.94	269.49	-94.35	-6,921.94	-14,155.57	6,230.03	6,086.30	143.73	43.345		
14,900.00	7,321.00	17,140.00	7,404.68	210.22	269.49	-94.35	-6,921.94	-14,155.57	6,132.65	5,988.81	143.85	42.634		
15,000.00	7,321.00	17,140.00	7,404.68	212.51	269.49	-94.35	-6,921.94	-14,155.57	6,035.36	5,891.38	143.98	41.918		
15,100.00	7,321.00	17,140.00	7,404.68	214.81	269.49	-94.35	-6,921.94	-14,155.57	5,938.15	5,794.02	144.14	41.198		
15,200.00	7,321.00	17,140.00	7,404.68	217.12	269.49	-94.35	-6,921.94	-14,155.57	5,841.04	5,696.72	144.32	40.473		
15,300.00	7,321.00	17,140.00	7,404.68	219.45	269.49	-94.35	-6,921.94	-14,155.57	5,744.03	5,599.50	144.53	39.742		
15,400.00	7,321.00	17,140.00	7,404.68	221.78	269.49	-94.35	-6,921.94	-14,155.57	5,647.13	5,502.35	144.78	39.006		
15,500.00	7,321.00	17,140.00	7,404.68	224.13	269.49	-94.35	-6,921.94	-14,155.57	5,550.33	5,405.28	145.06	38.263		
15,600.00	7,321.00	17,140.00	7,404.68	226.48	269.49	-94.35	-6,921.94	-14,155.57	5,453.65	5,308.28	145.38	37.514		
15,700.00	7,321.00	17,140.00	7,404.68	228.85	269.49	-94.35	-6,921.94	-14,155.57	5,357.09	5,211.35	145.74	36.758		
15,800.00	7,321.00	17,140.00	7,404.68	231.22	269.49	-94.35	-6,921.94	-14,155.57	5,260.66	5,114.51	146.16	35.993		
15,900.00	7,321.00	17,140.00	7,404.68	233.60	269.49	-94.35	-6,921.94	-14,155.57	5,164.37	5,017.74	146.63	35.221		
16,000.00	7,321.00	17,140.00	7,404.68	235.99	269.49	-94.35	-6,921.94	-14,155.57	5,068.22	4,921.05	147.16	34.439		

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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
16,100.00	7,321.00	17,140.00	7,404.68	238.39	269.49	-94.35	-6,921.94	-14,155.57	4,972.22	4,824.45	147.77	33.648		
16,200.00	7,321.00	17,140.00	7,404.68	240.79	269.49	-94.35	-6,921.94	-14,155.57	4,876.38	4,727.92	148.46	32.846		
16,300.00	7,321.00	17,140.00	7,404.68	243.21	269.49	-94.35	-6,921.94	-14,155.57	4,780.71	4,631.47	149.24	32.033		
16,400.00	7,321.00	17,140.00	7,404.68	245.63	269.49	-94.35	-6,921.94	-14,155.57	4,685.23	4,535.10	150.13	31.209		
16,500.00	7,321.00	17,140.00	7,404.68	248.06	269.49	-94.35	-6,921.94	-14,155.57	4,589.93	4,438.81	151.12	30.372		
16,600.00	7,321.00	17,140.00	7,404.68	250.49	269.49	-94.35	-6,921.94	-14,155.57	4,494.84	4,342.59	152.26	29.522		
16,700.00	7,321.00	17,140.00	7,404.68	252.93	269.49	-94.35	-6,921.94	-14,155.57	4,399.97	4,246.44	153.53	28.658		
16,800.00	7,321.00	17,140.00	7,404.68	255.38	269.49	-94.35	-6,921.94	-14,155.57	4,305.33	4,150.35	154.98	27.780		
16,900.00	7,321.00	17,140.00	7,404.68	257.84	269.49	-94.35	-6,921.94	-14,155.57	4,210.94	4,054.33	156.61	26.888		
17,000.00	7,321.00	17,140.00	7,404.68	260.30	269.49	-94.35	-6,921.94	-14,155.57	4,116.81	3,958.36	158.45	25.982		
17,100.00	7,321.00	17,140.00	7,404.68	262.76	269.49	-94.35	-6,921.94	-14,155.57	4,022.97	3,862.45	160.52	25.062		
17,200.00	7,321.00	17,140.00	7,404.68	265.24	269.49	-94.35	-6,921.94	-14,155.57	3,929.43	3,766.57	162.85	24.129		
17,300.00	7,321.00	17,140.00	7,404.68	267.72	269.49	-94.35	-6,921.94	-14,155.57	3,836.21	3,670.73	165.48	23.183		
17,400.00	7,321.00	17,140.00	7,404.68	270.20	269.49	-94.35	-6,921.94	-14,155.57	3,743.35	3,574.93	168.42	22.227		
17,500.00	7,321.00	17,140.00	7,404.68	272.69	269.49	-94.35	-6,921.94	-14,155.57	3,650.86	3,479.15	171.71	21.262		
17,600.00	7,321.00	17,140.00	7,404.68	275.18	269.49	-94.35	-6,921.94	-14,155.57	3,558.78	3,383.39	175.38	20.291		
17,700.00	7,321.00	17,140.00	7,404.68	277.68	269.49	-94.35	-6,921.94	-14,155.57	3,467.14	3,287.66	179.48	19.318		
17,800.00	7,321.00	17,140.00	7,404.68	280.19	269.49	-94.41	-6,921.94	-14,155.57	3,375.95	3,191.93	184.02	18.346		
17,900.00	7,321.00	17,140.00	7,404.68	282.71	269.49	-94.77	-6,921.94	-14,155.57	3,284.34	3,095.56	188.78	17.398		
18,000.00	7,321.00	17,140.00	7,404.68	285.26	269.49	-95.20	-6,921.94	-14,155.57	3,191.83	2,998.23	193.60	16.487		
18,100.00	7,321.00	17,140.00	7,404.68	287.83	269.49	-95.69	-6,921.94	-14,155.57	3,098.47	2,900.04	198.43	15.615		
18,200.00	7,321.00	17,140.00	7,404.68	290.41	269.49	-96.27	-6,921.94	-14,155.57	3,004.29	2,801.07	203.22	14.783		
18,300.00	7,321.00	17,140.00	7,404.68	293.00	269.49	-96.81	-6,921.94	-14,155.57	2,909.37	2,701.42	207.94	13.991		
18,400.00	7,321.00	17,140.00	7,404.68	295.59	269.49	-96.81	-6,921.94	-14,155.57	2,814.44	2,601.52	212.92	13.218		
18,500.00	7,321.00	17,140.00	7,404.68	298.19	269.49	-96.81	-6,921.94	-14,155.57	2,719.88	2,501.53	218.35	12.457		
18,600.00	7,321.00	17,140.00	7,404.68	300.78	269.49	-96.81	-6,921.94	-14,155.57	2,625.72	2,401.45	224.27	11.708		
18,700.00	7,321.00	17,140.00	7,404.68	303.38	269.49	-96.81	-6,921.94	-14,155.57	2,532.01	2,301.29	230.73	10.974		
18,800.00	7,321.00	17,140.00	7,404.68	305.98	269.49	-96.81	-6,921.94	-14,155.57	2,438.80	2,201.02	237.78	10.257		
18,900.00	7,321.00	17,140.00	7,404.68	308.58	269.49	-96.81	-6,921.94	-14,155.57	2,346.15	2,100.67	245.48	9.557		
19,000.00	7,321.00	17,140.00	7,404.68	311.18	269.49	-96.81	-6,921.94	-14,155.57	2,254.13	2,000.23	253.90	8.878		
19,100.00	7,321.00	17,140.00	7,404.68	313.78	269.49	-96.81	-6,921.94	-14,155.57	2,162.82	1,899.70	263.11	8.220		
19,200.00	7,321.00	17,140.00	7,404.68	316.39	269.49	-96.81	-6,921.94	-14,155.57	2,072.30	1,799.12	273.19	7.586		
19,300.00	7,321.00	17,140.00	7,404.68	318.99	269.49	-96.81	-6,921.94	-14,155.57	1,982.70	1,698.48	284.22	6.976		
19,400.00	7,321.00	17,140.00	7,404.68	321.60	269.49	-96.81	-6,921.94	-14,155.57	1,894.14	1,597.85	296.30	6.393		
19,500.00	7,321.00	17,140.00	7,404.68	324.21	269.49	-96.76	-6,921.94	-14,155.57	1,806.79	1,497.26	309.53	5.837		
19,600.00	7,321.00	17,140.00	7,404.68	326.81	269.49	-96.39	-6,921.94	-14,155.57	1,721.94	1,397.38	324.56	5.305		
19,700.00	7,321.00	17,140.00	7,404.68	329.42	269.49	-96.09	-6,921.94	-14,155.57	1,640.83	1,298.97	341.86	4.800		
19,800.00	7,321.00	17,140.00	7,404.68	332.01	269.49	-95.84	-6,921.94	-14,155.57	1,564.14	1,202.64	361.50	4.327		
19,900.00	7,321.00	17,140.00	7,404.68	334.60	269.49	-95.64	-6,921.94	-14,155.57	1,492.66	1,109.17	383.49	3.892		
20,000.00	7,321.00	17,140.00	7,404.68	337.16	269.49	-95.47	-6,921.94	-14,155.57	1,427.26	1,019.58	407.68	3.501		
20,100.00	7,321.00	17,140.00	7,404.68	339.72	269.49	-95.45	-6,921.94	-14,155.57	1,367.77	934.29	433.48	3.155		
20,200.00	7,321.00	17,140.00	7,404.68	342.28	269.49	-95.45	-6,921.94	-14,155.57	1,313.24	853.11	460.13	2.854		
20,300.00	7,321.00	17,140.00	7,404.68	344.84	269.49	-95.45	-6,921.94	-14,155.57	1,264.27	777.14	487.13	2.595		
20,400.00	7,321.00	17,140.00	7,404.68	347.40	269.49	-95.45	-6,921.94	-14,155.57	1,221.54	707.69	513.85	2.377		
20,500.00	7,321.00	17,140.00	7,404.68	349.97	269.49	-95.45	-6,921.94	-14,155.57	1,185.73	646.20	539.53	2.198		
20,540.60	7,321.00	17,140.00	7,404.68	351.01	269.49	-95.45	-6,921.94	-14,155.57	1,173.31	623.86	549.46	2.135 CC, ES, SF		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
10,900.00	7,321.00	16,920.00	7,238.92	133.87	269.68	-87.85	-7,093.20	-14,149.92	10,087.33	9,938.96	148.37	67.986		
11,000.00	7,321.00	16,920.00	7,238.92	135.26	269.68	-87.85	-7,093.20	-14,149.92	9,988.57	9,840.26	148.31	67.351		
11,100.00	7,321.00	16,920.00	7,238.92	136.68	269.68	-87.85	-7,093.20	-14,149.92	9,889.83	9,741.59	148.24	66.715		
11,200.00	7,321.00	16,920.00	7,238.92	138.14	269.68	-87.85	-7,093.20	-14,149.92	9,791.12	9,642.94	148.17	66.079		
11,300.00	7,321.00	16,920.00	7,238.92	139.63	269.68	-87.85	-7,093.20	-14,149.92	9,692.43	9,544.32	148.11	65.442		
11,400.00	7,321.00	16,920.00	7,238.92	141.15	269.68	-87.85	-7,093.20	-14,149.92	9,593.77	9,445.73	148.04	64.804		
11,500.00	7,321.00	16,920.00	7,238.92	142.70	269.68	-87.85	-7,093.20	-14,149.92	9,495.14	9,347.16	147.98	64.165		
11,600.00	7,321.00	16,920.00	7,238.92	144.29	269.68	-87.85	-7,093.20	-14,149.92	9,396.54	9,248.62	147.92	63.525		
11,700.00	7,321.00	16,920.00	7,238.92	145.91	269.68	-87.85	-7,093.20	-14,149.92	9,297.97	9,150.11	147.86	62.884		
11,800.00	7,321.00	16,920.00	7,238.92	147.55	269.68	-87.85	-7,093.20	-14,149.92	9,199.43	9,051.63	147.80	62.243		
11,900.00	7,321.00	16,920.00	7,238.92	149.23	269.68	-87.85	-7,093.20	-14,149.92	9,100.92	8,953.18	147.74	61.600		
12,000.00	7,321.00	16,920.00	7,238.92	150.93	269.68	-87.85	-7,093.20	-14,149.92	9,002.44	8,854.76	147.69	60.957		
12,100.00	7,321.00	16,920.00	7,238.92	152.67	269.68	-87.85	-7,093.20	-14,149.92	8,904.00	8,756.37	147.63	60.312		
12,200.00	7,321.00	16,920.00	7,238.92	154.43	269.68	-87.85	-7,093.20	-14,149.92	8,805.59	8,658.01	147.58	59.666		
12,300.00	7,321.00	16,920.00	7,238.92	156.22	269.68	-87.85	-7,093.20	-14,149.92	8,707.22	8,559.69	147.53	59.019		
12,400.00	7,321.00	16,920.00	7,238.92	158.04	269.68	-87.85	-7,093.20	-14,149.92	8,608.89	8,461.40	147.49	58.371		
12,500.00	7,321.00	16,920.00	7,238.92	159.88	269.68	-87.85	-7,093.20	-14,149.92	8,510.60	8,363.15	147.44	57.721		
12,600.00	7,321.00	16,920.00	7,238.92	161.75	269.68	-87.85	-7,093.20	-14,149.92	8,412.34	8,264.94	147.40	57.071		
12,700.00	7,321.00	16,920.00	7,238.92	163.64	269.68	-87.85	-7,093.20	-14,149.92	8,314.13	8,166.76	147.37	56.419		
12,800.00	7,321.00	16,920.00	7,238.92	165.56	269.68	-87.85	-7,093.20	-14,149.92	8,215.96	8,068.63	147.33	55.765		
12,900.00	7,321.00	16,920.00	7,238.92	167.49	269.68	-87.85	-7,093.20	-14,149.92	8,117.83	7,970.53	147.30	55.110		
13,000.00	7,321.00	16,920.00	7,238.92	169.46	269.68	-87.85	-7,093.20	-14,149.92	8,019.76	7,872.48	147.28	54.453		
13,100.00	7,321.00	16,920.00	7,238.92	171.44	269.68	-87.85	-7,093.20	-14,149.92	7,921.72	7,774.47	147.26	53.795		
13,200.00	7,321.00	16,920.00	7,238.92	173.45	269.68	-87.85	-7,093.20	-14,149.92	7,823.74	7,676.50	147.24	53.134		
13,300.00	7,321.00	16,920.00	7,238.92	175.47	269.68	-87.85	-7,093.20	-14,149.92	7,725.81	7,578.58	147.24	52.472		
13,400.00	7,321.00	16,920.00	7,238.92	177.52	269.68	-87.85	-7,093.20	-14,149.92	7,627.94	7,480.71	147.23	51.808		
13,500.00	7,321.00	16,920.00	7,238.92	179.58	269.68	-87.85	-7,093.20	-14,149.92	7,530.12	7,382.88	147.24	51.142		
13,600.00	7,321.00	16,920.00	7,238.92	181.67	269.68	-87.85	-7,093.20	-14,149.92	7,432.36	7,285.11	147.25	50.473		
13,700.00	7,321.00	16,920.00	7,238.92	183.77	269.68	-87.85	-7,093.20	-14,149.92	7,334.66	7,187.38	147.27	49.803		
13,800.00	7,321.00	16,920.00	7,238.92	185.89	269.68	-87.85	-7,093.20	-14,149.92	7,237.02	7,089.71	147.31	49.129		
13,900.00	7,321.00	16,920.00	7,238.92	188.02	269.68	-87.85	-7,093.20	-14,149.92	7,139.45	6,992.10	147.35	48.453		
14,000.00	7,321.00	16,920.00	7,238.92	190.18	269.68	-87.85	-7,093.20	-14,149.92	7,041.94	6,894.54	147.40	47.775		
14,100.00	7,321.00	16,920.00	7,238.92	192.35	269.68	-87.85	-7,093.20	-14,149.92	6,944.51	6,797.04	147.46	47.093		
14,200.00	7,321.00	16,920.00	7,238.92	194.53	269.68	-87.85	-7,093.20	-14,149.92	6,847.15	6,699.61	147.54	46.408		
14,300.00	7,321.00	16,920.00	7,238.92	196.73	269.68	-87.85	-7,093.20	-14,149.92	6,749.87	6,602.23	147.64	45.719		
14,400.00	7,321.00	16,920.00	7,238.92	198.95	269.68	-87.85	-7,093.20	-14,149.92	6,652.66	6,504.92	147.75	45.027		
14,500.00	7,321.00	16,920.00	7,238.92	201.17	269.68	-87.85	-7,093.20	-14,149.92	6,555.55	6,407.67	147.88	44.331		
14,600.00	7,321.00	16,920.00	7,238.92	203.42	269.68	-87.85	-7,093.20	-14,149.92	6,458.52	6,310.49	148.03	43.630		
14,700.00	7,321.00	16,920.00	7,238.92	205.67	269.68	-87.85	-7,093.20	-14,149.92	6,361.58	6,213.38	148.20	42.925		
14,800.00	7,321.00	16,920.00	7,238.92	207.94	269.68	-87.85	-7,093.20	-14,149.92	6,264.74	6,116.34	148.40	42.216		
14,900.00	7,321.00	16,920.00	7,238.92	210.22	269.68	-87.85	-7,093.20	-14,149.92	6,168.00	6,019.37	148.62	41.501		
15,000.00	7,321.00	16,920.00	7,238.92	212.51	269.68	-87.85	-7,093.20	-14,149.92	6,071.36	5,922.48	148.88	40.780		
15,100.00	7,321.00	16,920.00	7,238.92	214.81	269.68	-87.85	-7,093.20	-14,149.92	5,974.84	5,825.67	149.17	40.054		
15,200.00	7,321.00	16,920.00	7,238.92	217.12	269.68	-87.85	-7,093.20	-14,149.92	5,878.43	5,728.93	149.50	39.321		
15,300.00	7,321.00	16,920.00	7,238.92	219.45	269.68	-87.85	-7,093.20	-14,149.92	5,782.14	5,632.27	149.87	38.581		
15,400.00	7,321.00	16,920.00	7,238.92	221.78	269.68	-87.85	-7,093.20	-14,149.92	5,685.99	5,535.70	150.29	37.834		
15,500.00	7,321.00	16,920.00	7,238.92	224.13	269.68	-87.85	-7,093.20	-14,149.92	5,589.96	5,439.21	150.76	37.079		
15,600.00	7,321.00	16,920.00	7,238.92	226.48	269.68	-87.85	-7,093.20	-14,149.92	5,494.08	5,342.80	151.29	36.316		
15,700.00	7,321.00	16,920.00	7,238.92	228.85	269.68	-87.85	-7,093.20	-14,149.92	5,398.35	5,246.47	151.88	35.543		
15,800.00	7,321.00	16,920.00	7,238.92	231.22	269.68	-87.85	-7,093.20	-14,149.92	5,302.78	5,150.23	152.55	34.761		
15,900.00	7,321.00	16,920.00	7,238.92	233.60	269.68	-87.85	-7,093.20	-14,149.92	5,207.37	5,054.07	153.30	33.969		
16,000.00	7,321.00	16,920.00	7,238.92	235.99	269.68	-87.85	-7,093.20	-14,149.92	5,112.14	4,958.00	154.14	33.166		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
16,100.00	7,321.00	16,920.00	7,238.92	238.39	269.68	-87.85	-7,093.20	-14,149.92	5,017.09	4,862.01	155.08	32.352		
16,200.00	7,321.00	16,920.00	7,238.92	240.79	269.68	-87.85	-7,093.20	-14,149.92	4,922.24	4,766.10	156.14	31.525		
16,300.00	7,321.00	16,920.00	7,238.92	243.21	269.68	-87.85	-7,093.20	-14,149.92	4,827.60	4,670.28	157.32	30.687		
16,400.00	7,321.00	16,920.00	7,238.92	245.63	269.68	-87.85	-7,093.20	-14,149.92	4,733.17	4,574.53	158.64	29.836		
16,500.00	7,321.00	16,920.00	7,238.92	248.06	269.68	-87.85	-7,093.20	-14,149.92	4,638.98	4,478.86	160.12	28.971		
16,600.00	7,321.00	16,920.00	7,238.92	250.49	269.68	-87.85	-7,093.20	-14,149.92	4,545.04	4,383.26	161.78	28.094		
16,700.00	7,321.00	16,920.00	7,238.92	252.93	269.68	-87.85	-7,093.20	-14,149.92	4,451.37	4,287.74	163.63	27.204		
16,800.00	7,321.00	16,920.00	7,238.92	255.38	269.68	-87.85	-7,093.20	-14,149.92	4,357.97	4,192.28	165.69	26.302		
16,900.00	7,321.00	16,920.00	7,238.92	257.84	269.68	-87.85	-7,093.20	-14,149.92	4,264.88	4,096.89	167.99	25.388		
17,000.00	7,321.00	16,920.00	7,238.92	260.30	269.68	-87.85	-7,093.20	-14,149.92	4,172.10	4,001.55	170.55	24.463		
17,100.00	7,321.00	16,920.00	7,238.92	262.76	269.68	-87.85	-7,093.20	-14,149.92	4,079.66	3,906.28	173.39	23.529		
17,200.00	7,321.00	16,920.00	7,238.92	265.24	269.68	-87.85	-7,093.20	-14,149.92	3,987.59	3,811.06	176.53	22.588		
17,300.00	7,321.00	16,920.00	7,238.92	267.72	269.68	-87.85	-7,093.20	-14,149.92	3,895.92	3,715.90	180.01	21.643		
17,400.00	7,321.00	16,920.00	7,238.92	270.20	269.68	-87.85	-7,093.20	-14,149.92	3,804.66	3,620.81	183.85	20.694		
17,500.00	7,321.00	16,920.00	7,238.92	272.69	269.68	-87.85	-7,093.20	-14,149.92	3,713.85	3,525.77	188.07	19.747		
17,600.00	7,321.00	16,920.00	7,238.92	275.18	269.68	-87.85	-7,093.20	-14,149.92	3,623.52	3,430.82	192.71	18.803		
17,700.00	7,321.00	16,920.00	7,238.92	277.68	269.68	-87.85	-7,093.20	-14,149.92	3,533.72	3,335.94	197.77	17.867		
17,800.00	7,321.00	16,920.00	7,238.92	280.19	269.68	-87.82	-7,093.20	-14,149.92	3,444.45	3,241.15	203.30	16.943		
17,900.00	7,321.00	16,920.00	7,238.92	282.71	269.68	-87.67	-7,093.20	-14,149.92	3,354.76	3,145.72	209.04	16.048		
18,000.00	7,321.00	16,920.00	7,238.92	285.26	269.68	-87.48	-7,093.20	-14,149.92	3,264.12	3,049.29	214.83	15.194		
18,100.00	7,321.00	16,920.00	7,238.92	287.83	269.68	-87.28	-7,093.20	-14,149.92	3,172.56	2,951.94	220.62	14.380		
18,200.00	7,321.00	16,920.00	7,238.92	290.41	269.68	-87.03	-7,093.20	-14,149.92	3,080.12	2,853.74	226.38	13.606		
18,300.00	7,321.00	16,920.00	7,238.92	293.00	269.68	-86.82	-7,093.20	-14,149.92	2,986.86	2,754.79	232.08	12.870		
18,400.00	7,321.00	16,920.00	7,238.92	295.59	269.68	-86.82	-7,093.20	-14,149.92	2,893.66	2,655.60	238.05	12.155		
18,500.00	7,321.00	16,920.00	7,238.92	298.19	269.68	-86.82	-7,093.20	-14,149.92	2,800.92	2,556.42	244.50	11.456		
18,600.00	7,321.00	16,920.00	7,238.92	300.78	269.68	-86.82	-7,093.20	-14,149.92	2,708.70	2,457.24	251.45	10.772		
18,700.00	7,321.00	16,920.00	7,238.92	303.38	269.68	-86.82	-7,093.20	-14,149.92	2,617.05	2,358.09	258.96	10.106		
18,800.00	7,321.00	16,920.00	7,238.92	305.98	269.68	-86.82	-7,093.20	-14,149.92	2,526.03	2,258.97	267.06	9.459		
18,900.00	7,321.00	16,920.00	7,238.92	308.58	269.68	-86.82	-7,093.20	-14,149.92	2,435.72	2,159.91	275.81	8.831		
19,000.00	7,321.00	16,920.00	7,238.92	311.18	269.68	-86.82	-7,093.20	-14,149.92	2,346.19	2,060.93	285.26	8.225		
19,100.00	7,321.00	16,920.00	7,238.92	313.78	269.68	-86.82	-7,093.20	-14,149.92	2,257.54	1,962.07	295.47	7.640		
19,200.00	7,321.00	16,920.00	7,238.92	316.39	269.68	-86.82	-7,093.20	-14,149.92	2,169.88	1,863.38	306.50	7.079		
19,300.00	7,321.00	16,920.00	7,238.92	318.99	269.68	-86.82	-7,093.20	-14,149.92	2,083.33	1,764.91	318.42	6.543		
19,400.00	7,321.00	16,920.00	7,238.92	321.60	269.68	-86.82	-7,093.20	-14,149.92	1,998.04	1,666.75	331.29	6.031		
19,500.00	7,321.00	16,920.00	7,238.92	324.21	269.68	-86.84	-7,093.20	-14,149.92	1,914.19	1,568.99	345.19	5.545		
19,600.00	7,321.00	16,920.00	7,238.92	326.81	269.68	-86.99	-7,093.20	-14,149.92	1,833.21	1,472.57	360.64	5.083		
19,700.00	7,321.00	16,920.00	7,238.92	329.42	269.68	-87.11	-7,093.20	-14,149.92	1,756.43	1,378.45	377.98	4.647		
19,800.00	7,321.00	16,920.00	7,238.92	332.01	269.68	-87.21	-7,093.20	-14,149.92	1,684.51	1,287.33	397.19	4.241		
19,900.00	7,321.00	16,920.00	7,238.92	334.60	269.68	-87.30	-7,093.20	-14,149.92	1,618.21	1,200.06	418.15	3.870		
20,000.00	7,321.00	16,920.00	7,238.92	337.16	269.68	-87.37	-7,093.20	-14,149.92	1,558.32	1,117.70	440.63	3.537		
20,100.00	7,321.00	16,920.00	7,238.92	339.72	269.68	-87.38	-7,093.20	-14,149.92	1,504.51	1,040.45	464.06	3.242		
20,200.00	7,321.00	16,920.00	7,238.92	342.28	269.68	-87.38	-7,093.20	-14,149.92	1,455.61	967.86	487.75	2.984		
20,300.00	7,321.00	16,920.00	7,238.92	344.84	269.68	-87.38	-7,093.20	-14,149.92	1,412.11	900.84	511.28	2.762		
20,400.00	7,321.00	16,920.00	7,238.92	347.40	269.68	-87.38	-7,093.20	-14,149.92	1,374.52	840.39	534.14	2.573		
20,500.00	7,321.00	16,920.00	7,238.92	349.97	269.68	-87.38	-7,093.20	-14,149.92	1,343.34	787.59	555.75	2.417		
20,540.60	7,321.00	16,920.00	7,238.92	351.01	269.68	-87.38	-7,093.20	-14,149.92	1,332.62	768.58	564.03	2.363 CC, ES, SF		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
10,900.00	7,321.00	17,070.00	7,159.63	133.87	269.63	-85.91	-7,455.50	-14,126.57	10,128.09	9,970.57	157.53	64.295		
11,000.00	7,321.00	17,070.00	7,159.63	135.26	269.63	-85.91	-7,455.50	-14,126.57	10,029.96	9,872.51	157.45	63.701		
11,100.00	7,321.00	17,070.00	7,159.63	136.68	269.63	-85.91	-7,455.50	-14,126.57	9,931.87	9,774.49	157.38	63.107		
11,200.00	7,321.00	17,070.00	7,159.63	138.14	269.63	-85.91	-7,455.50	-14,126.57	9,833.82	9,676.51	157.31	62.511		
11,300.00	7,321.00	17,070.00	7,159.63	139.63	269.63	-85.91	-7,455.50	-14,126.57	9,735.80	9,578.56	157.24	61.915		
11,400.00	7,321.00	17,070.00	7,159.63	141.15	269.63	-85.91	-7,455.50	-14,126.57	9,637.83	9,480.65	157.18	61.318		
11,500.00	7,321.00	17,070.00	7,159.63	142.70	269.63	-85.91	-7,455.50	-14,126.57	9,539.90	9,382.78	157.11	60.719		
11,600.00	7,321.00	17,070.00	7,159.63	144.29	269.63	-85.91	-7,455.50	-14,126.57	9,442.01	9,284.96	157.05	60.120		
11,700.00	7,321.00	17,070.00	7,159.63	145.91	269.63	-85.91	-7,455.50	-14,126.57	9,344.17	9,187.17	156.99	59.519		
11,800.00	7,321.00	17,070.00	7,159.63	147.55	269.63	-85.91	-7,455.50	-14,126.57	9,246.37	9,089.43	156.94	58.918		
11,900.00	7,321.00	17,070.00	7,159.63	149.23	269.63	-85.91	-7,455.50	-14,126.57	9,148.62	8,991.74	156.88	58.315		
12,000.00	7,321.00	17,070.00	7,159.63	150.93	269.63	-85.91	-7,455.50	-14,126.57	9,050.92	8,894.09	156.83	57.710		
12,100.00	7,321.00	17,070.00	7,159.63	152.67	269.63	-85.91	-7,455.50	-14,126.57	8,953.27	8,796.48	156.79	57.105		
12,200.00	7,321.00	17,070.00	7,159.63	154.43	269.63	-85.91	-7,455.50	-14,126.57	8,855.67	8,698.93	156.74	56.497		
12,300.00	7,321.00	17,070.00	7,159.63	156.22	269.63	-85.91	-7,455.50	-14,126.57	8,758.13	8,601.42	156.71	55.889		
12,400.00	7,321.00	17,070.00	7,159.63	158.04	269.63	-85.91	-7,455.50	-14,126.57	8,660.64	8,503.97	156.67	55.278		
12,500.00	7,321.00	17,070.00	7,159.63	159.88	269.63	-85.91	-7,455.50	-14,126.57	8,563.21	8,406.57	156.65	54.666		
12,600.00	7,321.00	17,070.00	7,159.63	161.75	269.63	-85.91	-7,455.50	-14,126.57	8,465.85	8,309.22	156.62	54.052		
12,700.00	7,321.00	17,070.00	7,159.63	163.64	269.63	-85.91	-7,455.50	-14,126.57	8,368.54	8,211.93	156.61	53.437		
12,800.00	7,321.00	17,070.00	7,159.63	165.56	269.63	-85.91	-7,455.50	-14,126.57	8,271.30	8,114.70	156.60	52.819		
12,900.00	7,321.00	17,070.00	7,159.63	167.49	269.63	-85.91	-7,455.50	-14,126.57	8,174.12	8,017.52	156.60	52.199		
13,000.00	7,321.00	17,070.00	7,159.63	169.46	269.63	-85.91	-7,455.50	-14,126.57	8,077.01	7,920.41	156.60	51.576		
13,100.00	7,321.00	17,070.00	7,159.63	171.44	269.63	-85.91	-7,455.50	-14,126.57	7,979.98	7,823.36	156.62	50.952		
13,200.00	7,321.00	17,070.00	7,159.63	173.45	269.63	-85.91	-7,455.50	-14,126.57	7,883.02	7,726.37	156.64	50.324		
13,300.00	7,321.00	17,070.00	7,159.63	175.47	269.63	-85.91	-7,455.50	-14,126.57	7,786.13	7,629.45	156.68	49.694		
13,400.00	7,321.00	17,070.00	7,159.63	177.52	269.63	-85.91	-7,455.50	-14,126.57	7,689.33	7,532.60	156.73	49.061		
13,500.00	7,321.00	17,070.00	7,159.63	179.58	269.63	-85.91	-7,455.50	-14,126.57	7,592.60	7,435.81	156.79	48.425		
13,600.00	7,321.00	17,070.00	7,159.63	181.67	269.63	-85.91	-7,455.50	-14,126.57	7,495.97	7,339.10	156.87	47.785		
13,700.00	7,321.00	17,070.00	7,159.63	183.77	269.63	-85.91	-7,455.50	-14,126.57	7,399.42	7,242.46	156.96	47.142		
13,800.00	7,321.00	17,070.00	7,159.63	185.89	269.63	-85.91	-7,455.50	-14,126.57	7,302.97	7,145.90	157.07	46.495		
13,900.00	7,321.00	17,070.00	7,159.63	188.02	269.63	-85.91	-7,455.50	-14,126.57	7,206.61	7,049.41	157.20	45.844		
14,000.00	7,321.00	17,070.00	7,159.63	190.18	269.63	-85.91	-7,455.50	-14,126.57	7,110.35	6,953.00	157.35	45.189		
14,100.00	7,321.00	17,070.00	7,159.63	192.35	269.63	-85.91	-7,455.50	-14,126.57	7,014.20	6,856.68	157.52	44.529		
14,200.00	7,321.00	17,070.00	7,159.63	194.53	269.63	-85.91	-7,455.50	-14,126.57	6,918.16	6,760.44	157.72	43.863		
14,300.00	7,321.00	17,070.00	7,159.63	196.73	269.63	-85.91	-7,455.50	-14,126.57	6,822.23	6,664.28	157.95	43.193		
14,400.00	7,321.00	17,070.00	7,159.63	198.95	269.63	-85.91	-7,455.50	-14,126.57	6,726.42	6,568.21	158.21	42.517		
14,500.00	7,321.00	17,070.00	7,159.63	201.17	269.63	-85.91	-7,455.50	-14,126.57	6,630.73	6,472.23	158.50	41.834		
14,600.00	7,321.00	17,070.00	7,159.63	203.42	269.63	-85.91	-7,455.50	-14,126.57	6,535.17	6,376.34	158.83	41.145		
14,700.00	7,321.00	17,070.00	7,159.63	205.67	269.63	-85.91	-7,455.50	-14,126.57	6,439.75	6,280.55	159.21	40.449		
14,800.00	7,321.00	17,070.00	7,159.63	207.94	269.63	-85.91	-7,455.50	-14,126.57	6,344.47	6,184.84	159.63	39.746		
14,900.00	7,321.00	17,070.00	7,159.63	210.22	269.63	-85.91	-7,455.50	-14,126.57	6,249.34	6,089.24	160.10	39.034		
15,000.00	7,321.00	17,070.00	7,159.63	212.51	269.63	-85.91	-7,455.50	-14,126.57	6,154.36	5,993.73	160.63	38.314		
15,100.00	7,321.00	17,070.00	7,159.63	214.81	269.63	-85.91	-7,455.50	-14,126.57	6,059.54	5,898.32	161.22	37.585		
15,200.00	7,321.00	17,070.00	7,159.63	217.12	269.63	-85.91	-7,455.50	-14,126.57	5,964.89	5,803.00	161.89	36.846		
15,300.00	7,321.00	17,070.00	7,159.63	219.45	269.63	-85.91	-7,455.50	-14,126.57	5,870.42	5,707.79	162.63	36.097		
15,400.00	7,321.00	17,070.00	7,159.63	221.78	269.63	-85.91	-7,455.50	-14,126.57	5,776.13	5,612.68	163.45	35.338		
15,500.00	7,321.00	17,070.00	7,159.63	224.13	269.63	-85.91	-7,455.50	-14,126.57	5,682.04	5,517.67	164.38	34.567		
15,600.00	7,321.00	17,070.00	7,159.63	226.48	269.63	-85.91	-7,455.50	-14,126.57	5,588.16	5,422.75	165.40	33.785		
15,700.00	7,321.00	17,070.00	7,159.63	228.85	269.63	-85.91	-7,455.50	-14,126.57	5,494.49	5,327.94	166.54	32.991		
15,800.00	7,321.00	17,070.00	7,159.63	231.22	269.63	-85.91	-7,455.50	-14,126.57	5,401.04	5,233.23	167.81	32.185		
15,900.00	7,321.00	17,070.00	7,159.63	233.60	269.63	-85.91	-7,455.50	-14,126.57	5,307.84	5,138.62	169.22	31.366		
16,000.00	7,321.00	17,070.00	7,159.63	235.99	269.63	-85.91	-7,455.50	-14,126.57	5,214.89	5,044.11	170.78	30.535		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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-MWVD 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		
16,100.00	7,321.00	17,070.00	7,159.63	238.39	269.63	-85.91	-7,455.50	-14,126.57	5,122.20	4,949.69	172.51	29.692		
16,200.00	7,321.00	17,070.00	7,159.63	240.79	269.63	-85.91	-7,455.50	-14,126.57	5,029.80	4,855.37	174.42	28.837		
16,300.00	7,321.00	17,070.00	7,159.63	243.21	269.63	-85.91	-7,455.50	-14,126.57	4,937.69	4,761.16	176.53	27.970		
16,400.00	7,321.00	17,070.00	7,159.63	245.63	269.63	-85.91	-7,455.50	-14,126.57	4,845.89	4,667.04	178.86	27.094		
16,500.00	7,321.00	17,070.00	7,159.63	248.06	269.63	-85.91	-7,455.50	-14,126.57	4,754.43	4,573.01	181.41	26.208		
16,600.00	7,321.00	17,070.00	7,159.63	250.49	269.63	-85.91	-7,455.50	-14,126.57	4,663.31	4,479.10	184.21	25.315		
16,700.00	7,321.00	17,070.00	7,159.63	252.93	269.63	-85.91	-7,455.50	-14,126.57	4,572.57	4,385.29	187.28	24.416		
16,800.00	7,321.00	17,070.00	7,159.63	255.38	269.63	-85.91	-7,455.50	-14,126.57	4,482.22	4,291.59	190.63	23.513		
16,900.00	7,321.00	17,070.00	7,159.63	257.84	269.63	-85.91	-7,455.50	-14,126.57	4,392.28	4,198.01	194.28	22.608		
17,000.00	7,321.00	17,070.00	7,159.63	260.30	269.63	-85.91	-7,455.50	-14,126.57	4,302.80	4,104.56	198.24	21.705		
17,100.00	7,321.00	17,070.00	7,159.63	262.76	269.63	-85.91	-7,455.50	-14,126.57	4,213.78	4,011.25	202.53	20.806		
17,200.00	7,321.00	17,070.00	7,159.63	265.24	269.63	-85.91	-7,455.50	-14,126.57	4,125.27	3,918.10	207.17	19.913		
17,300.00	7,321.00	17,070.00	7,159.63	267.72	269.63	-85.91	-7,455.50	-14,126.57	4,037.30	3,825.13	212.17	19.029		
17,400.00	7,321.00	17,070.00	7,159.63	270.20	269.63	-85.91	-7,455.50	-14,126.57	3,949.89	3,732.35	217.54	18.157		
17,500.00	7,321.00	17,070.00	7,159.63	272.69	269.63	-85.91	-7,455.50	-14,126.57	3,863.10	3,639.80	223.30	17.300		
17,600.00	7,321.00	17,070.00	7,159.63	275.18	269.63	-85.91	-7,455.50	-14,126.57	3,776.96	3,547.50	229.47	16.460		
17,700.00	7,321.00	17,070.00	7,159.63	277.68	269.63	-85.91	-7,455.50	-14,126.57	3,691.52	3,455.47	236.05	15.639		
17,800.00	7,321.00	17,070.00	7,159.63	280.19	269.63	-85.87	-7,455.50	-14,126.57	3,606.81	3,363.75	243.06	14.839		
17,900.00	7,321.00	17,070.00	7,159.63	282.71	269.63	-85.63	-7,455.50	-14,126.57	3,521.68	3,271.44	250.24	14.073		
18,000.00	7,321.00	17,070.00	7,159.63	285.26	269.63	-85.37	-7,455.50	-14,126.57	3,435.51	3,178.07	257.43	13.345		
18,100.00	7,321.00	17,070.00	7,159.63	287.83	269.63	-85.07	-7,455.50	-14,126.57	3,348.33	3,083.71	264.61	12.654		
18,200.00	7,321.00	17,070.00	7,159.63	290.41	269.63	-84.74	-7,455.50	-14,126.57	3,260.16	2,988.41	271.75	11.997		
18,300.00	7,321.00	17,070.00	7,159.63	293.00	269.63	-84.45	-7,455.50	-14,126.57	3,171.08	2,892.25	278.84	11.372		
18,400.00	7,321.00	17,070.00	7,159.63	295.59	269.63	-84.45	-7,455.50	-14,126.57	3,082.17	2,795.97	286.20	10.769		
18,500.00	7,321.00	17,070.00	7,159.63	298.19	269.63	-84.45	-7,455.50	-14,126.57	2,993.97	2,699.95	294.02	10.183		
18,600.00	7,321.00	17,070.00	7,159.63	300.78	269.63	-84.45	-7,455.50	-14,126.57	2,906.52	2,604.21	302.31	9.614		
18,700.00	7,321.00	17,070.00	7,159.63	303.38	269.63	-84.45	-7,455.50	-14,126.57	2,819.91	2,508.81	311.10	9.064		
18,800.00	7,321.00	17,070.00	7,159.63	305.98	269.63	-84.45	-7,455.50	-14,126.57	2,734.21	2,413.78	320.43	8.533		
18,900.00	7,321.00	17,070.00	7,159.63	308.58	269.63	-84.45	-7,455.50	-14,126.57	2,649.52	2,319.20	330.32	8.021		
19,000.00	7,321.00	17,070.00	7,159.63	311.18	269.63	-84.45	-7,455.50	-14,126.57	2,565.93	2,225.14	340.79	7.529		
19,100.00	7,321.00	17,070.00	7,159.63	313.78	269.63	-84.45	-7,455.50	-14,126.57	2,483.55	2,131.67	351.88	7.058		
19,200.00	7,321.00	17,070.00	7,159.63	316.39	269.63	-84.45	-7,455.50	-14,126.57	2,402.51	2,038.90	363.61	6.607		
19,300.00	7,321.00	17,070.00	7,159.63	318.99	269.63	-84.45	-7,455.50	-14,126.57	2,322.95	1,946.94	376.00	6.178		
19,400.00	7,321.00	17,070.00	7,159.63	321.60	269.63	-84.45	-7,455.50	-14,126.57	2,245.02	1,855.95	389.07	5.770		
19,500.00	7,321.00	17,070.00	7,159.63	324.21	269.63	-84.48	-7,455.50	-14,126.57	2,168.92	1,766.09	402.83	5.384		
19,600.00	7,321.00	17,070.00	7,159.63	326.81	269.63	-84.68	-7,455.50	-14,126.57	2,096.29	1,678.68	417.61	5.020		
19,700.00	7,321.00	17,070.00	7,159.63	329.42	269.63	-84.84	-7,455.50	-14,126.57	2,028.56	1,594.99	433.56	4.679		
19,800.00	7,321.00	17,070.00	7,159.63	332.01	269.63	-84.99	-7,455.50	-14,126.57	1,966.30	1,515.75	450.56	4.364		
19,900.00	7,321.00	17,070.00	7,159.63	334.60	269.63	-85.10	-7,455.50	-14,126.57	1,910.14	1,441.75	468.40	4.078		
20,000.00	7,321.00	17,070.00	7,159.63	337.16	269.63	-85.20	-7,455.50	-14,126.57	1,860.71	1,373.90	486.81	3.822		
20,100.00	7,321.00	17,070.00	7,159.63	339.72	269.63	-85.21	-7,455.50	-14,126.57	1,817.36	1,312.01	505.35	3.596		
20,200.00	7,321.00	17,070.00	7,159.63	342.28	269.63	-85.21	-7,455.50	-14,126.57	1,778.60	1,255.05	523.54	3.397		
20,300.00	7,321.00	17,070.00	7,159.63	344.84	269.63	-85.21	-7,455.50	-14,126.57	1,744.72	1,203.60	541.12	3.224		
20,400.00	7,321.00	17,070.00	7,159.63	347.40	269.63	-85.21	-7,455.50	-14,126.57	1,716.00	1,158.22	557.79	3.076		
20,500.00	7,321.00	17,070.00	7,159.63	349.97	269.63	-85.21	-7,455.50	-14,126.57	1,692.72	1,119.46	573.26	2.953		
20,540.60	7,321.00	17,070.00	7,159.63	351.01	269.63	-85.21	-7,455.50	-14,126.57	1,684.87	1,105.74	579.13	2.909 CC, ES, SF		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 2 - Wellbore #1 - Wellbore #1		Offset Site Error:		0.00 usft
Survey Program:		1540-MWD OWSG											Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis		Distance											
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning				
10,800.00	7,321.00	16,991.00	6,977.50	132.51	270.92	46.23	-5,185.58	-14,159.83	10,083.76	9,943.15	140.61	71.716					
10,900.00	7,321.00	16,991.00	6,977.50	133.87	270.92	46.23	-5,185.58	-14,159.83	9,983.86	9,843.11	140.75	70.931					
11,000.00	7,321.00	16,991.00	6,977.50	135.26	270.92	46.23	-5,185.58	-14,159.83	9,883.97	9,743.07	140.90	70.147					
11,100.00	7,321.00	16,991.00	6,977.50	136.68	270.92	46.23	-5,185.58	-14,159.83	9,784.08	9,643.03	141.06	69.362					
11,200.00	7,321.00	16,991.00	6,977.50	138.14	270.92	46.23	-5,185.58	-14,159.83	9,684.20	9,542.98	141.21	68.578					
11,300.00	7,321.00	16,991.00	6,977.50	139.63	270.92	46.23	-5,185.58	-14,159.83	9,584.31	9,442.94	141.37	67.794					
11,400.00	7,321.00	16,991.00	6,977.50	141.15	270.92	46.23	-5,185.58	-14,159.83	9,484.43	9,342.89	141.54	67.010					
11,500.00	7,321.00	16,991.00	6,977.50	142.70	270.92	46.23	-5,185.58	-14,159.83	9,384.55	9,242.85	141.71	66.226					
11,600.00	7,321.00	16,991.00	6,977.50	144.29	270.92	46.23	-5,185.58	-14,159.83	9,284.68	9,142.80	141.88	65.442					
11,700.00	7,321.00	16,991.00	6,977.50	145.91	270.92	46.23	-5,185.58	-14,159.83	9,184.80	9,042.75	142.05	64.658					
11,800.00	7,321.00	16,991.00	6,977.50	147.55	270.92	46.23	-5,185.58	-14,159.83	9,084.93	8,942.70	142.23	63.874					
11,900.00	7,321.00	16,991.00	6,977.50	149.23	270.92	46.23	-5,185.58	-14,159.83	8,985.06	8,842.65	142.42	63.090					
12,000.00	7,321.00	16,991.00	6,977.50	150.93	270.92	46.23	-5,185.58	-14,159.83	8,885.20	8,742.59	142.60	62.307					
12,100.00	7,321.00	16,991.00	6,977.50	152.67	270.92	46.23	-5,185.58	-14,159.83	8,785.33	8,642.54	142.80	61.523					
12,200.00	7,321.00	16,991.00	6,977.50	154.43	270.92	46.23	-5,185.58	-14,159.83	8,685.47	8,542.48	142.99	60.740					
12,300.00	7,321.00	16,991.00	6,977.50	156.22	270.92	46.23	-5,185.58	-14,159.83	8,585.62	8,442.42	143.20	59.956					
12,400.00	7,321.00	16,991.00	6,977.50	158.04	270.92	46.23	-5,185.58	-14,159.83	8,485.77	8,342.36	143.41	59.173					
12,500.00	7,321.00	16,991.00	6,977.50	159.88	270.92	46.23	-5,185.58	-14,159.83	8,385.92	8,242.30	143.62	58.390					
12,600.00	7,321.00	16,991.00	6,977.50	161.75	270.92	46.23	-5,185.58	-14,159.83	8,286.07	8,142.23	143.84	57.608					
12,700.00	7,321.00	16,991.00	6,977.50	163.64	270.92	46.23	-5,185.58	-14,159.83	8,186.23	8,042.17	144.06	56.825					
12,800.00	7,321.00	16,991.00	6,977.50	165.56	270.92	46.23	-5,185.58	-14,159.83	8,086.39	7,942.10	144.29	56.042					
12,900.00	7,321.00	16,991.00	6,977.50	167.49	270.92	46.23	-5,185.58	-14,159.83	7,986.56	7,842.03	144.53	55.260					
13,000.00	7,321.00	16,991.00	6,977.50	169.46	270.92	46.23	-5,185.58	-14,159.83	7,886.73	7,741.96	144.77	54.478					
13,100.00	7,321.00	16,991.00	6,977.50	171.44	270.92	46.23	-5,185.58	-14,159.83	7,786.90	7,641.89	145.02	53.696					
13,200.00	7,321.00	16,991.00	6,977.50	173.45	270.92	46.23	-5,185.58	-14,159.83	7,687.08	7,541.81	145.27	52.914					
13,300.00	7,321.00	16,991.00	6,977.50	175.47	270.92	46.23	-5,185.58	-14,159.83	7,587.27	7,441.73	145.54	52.133					
13,400.00	7,321.00	16,991.00	6,977.50	177.52	270.92	46.23	-5,185.58	-14,159.83	7,487.46	7,341.65	145.81	51.351					
13,500.00	7,321.00	16,991.00	6,977.50	179.58	270.92	46.23	-5,185.58	-14,159.83	7,387.65	7,241.56	146.09	50.570					
13,600.00	7,321.00	16,991.00	6,977.50	181.67	270.92	46.23	-5,185.58	-14,159.83	7,287.85	7,141.48	146.37	49.790					
13,700.00	7,321.00	16,991.00	6,977.50	183.77	270.92	46.23	-5,185.58	-14,159.83	7,188.06	7,041.39	146.67	49.009					
13,800.00	7,321.00	16,991.00	6,977.50	185.89	270.92	46.23	-5,185.58	-14,159.83	7,088.27	6,941.30	146.97	48.229					
13,900.00	7,321.00	16,991.00	6,977.50	188.02	270.92	46.23	-5,185.58	-14,159.83	6,988.48	6,841.20	147.28	47.449					
14,000.00	7,321.00	16,991.00	6,977.50	190.18	270.92	46.23	-5,185.58	-14,159.83	6,888.71	6,741.10	147.61	46.669					
14,100.00	7,321.00	16,991.00	6,977.50	192.35	270.92	46.23	-5,185.58	-14,159.83	6,788.94	6,641.00	147.94	45.890					
14,200.00	7,321.00	16,991.00	6,977.50	194.53	270.92	46.23	-5,185.58	-14,159.83	6,689.17	6,540.89	148.28	45.111					
14,300.00	7,321.00	16,991.00	6,977.50	196.73	270.92	46.23	-5,185.58	-14,159.83	6,589.42	6,440.78	148.64	44.332					
14,400.00	7,321.00	16,991.00	6,977.50	198.95	270.92	46.23	-5,185.58	-14,159.83	6,489.67	6,340.67	149.00	43.554					
14,500.00	7,321.00	16,991.00	6,977.50	201.17	270.92	46.23	-5,185.58	-14,159.83	6,389.93	6,240.55	149.38	42.776					
14,600.00	7,321.00	16,991.00	6,977.50	203.42	270.92	46.23	-5,185.58	-14,159.83	6,290.20	6,140.42	149.77	41.998					
14,700.00	7,321.00	16,991.00	6,977.50	205.67	270.92	46.23	-5,185.58	-14,159.83	6,190.47	6,040.30	150.18	41.221					
14,800.00	7,321.00	16,991.00	6,977.50	207.94	270.92	46.23	-5,185.58	-14,159.83	6,090.76	5,940.16	150.59	40.445					
14,900.00	7,321.00	16,991.00	6,977.50	210.22	270.92	46.23	-5,185.58	-14,159.83	5,991.05	5,840.02	151.03	39.669					
15,000.00	7,321.00	16,991.00	6,977.50	212.51	270.92	46.23	-5,185.58	-14,159.83	5,891.36	5,739.88	151.48	38.893					
15,100.00	7,321.00	16,991.00	6,977.50	214.81	270.92	46.23	-5,185.58	-14,159.83	5,791.67	5,639.73	151.94	38.118					
15,200.00	7,321.00	16,991.00	6,977.50	217.12	270.92	46.23	-5,185.58	-14,159.83	5,692.00	5,539.57	152.42	37.343					
15,300.00	7,321.00	16,991.00	6,977.50	219.45	270.92	46.23	-5,185.58	-14,159.83	5,592.33	5,439.41	152.92	36.569					
15,400.00	7,321.00	16,991.00	6,977.50	221.78	270.92	46.23	-5,185.58	-14,159.83	5,492.68	5,339.24	153.44	35.796					
15,500.00	7,321.00	16,991.00	6,977.50	224.13	270.92	46.23	-5,185.58	-14,159.83	5,393.05	5,239.06	153.99	35.023					
15,600.00	7,321.00	16,991.00	6,977.50	226.48	270.92	46.23	-5,185.58	-14,159.83	5,293.42	5,138.88	154.55	34.251					
15,700.00	7,321.00	16,991.00	6,977.50	228.85	270.92	46.23	-5,185.58	-14,159.83	5,193.82	5,038.68	155.13	33.480					
15,800.00	7,321.00	16,991.00	6,977.50	231.22	270.92	46.23	-5,185.58	-14,159.83	5,094.22	4,938.48	155.74	32.709					
15,900.00	7,321.00	16,991.00	6,977.50	233.60	270.92	46.23	-5,185.58	-14,159.83	4,994.65	4,838.27	156.38	31.939					

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
16,000.00	7,321.00	16,991.00	6,977.50	235.99	270.92	46.23	-5,185.58	-14,159.83	4,895.09	4,738.04	157.04	31.170		
16,100.00	7,321.00	16,991.00	6,977.50	238.39	270.92	46.23	-5,185.58	-14,159.83	4,795.54	4,637.81	157.74	30.402		
16,200.00	7,321.00	16,991.00	6,977.50	240.79	270.92	46.23	-5,185.58	-14,159.83	4,696.02	4,537.56	158.46	29.635		
16,300.00	7,321.00	16,991.00	6,977.50	243.21	270.92	46.23	-5,185.58	-14,159.83	4,596.52	4,437.30	159.22	28.869		
16,400.00	7,321.00	16,991.00	6,977.50	245.63	270.92	46.23	-5,185.58	-14,159.83	4,497.04	4,337.03	160.01	28.104		
16,500.00	7,321.00	16,991.00	6,977.50	248.06	270.92	46.23	-5,185.58	-14,159.83	4,397.58	4,236.74	160.84	27.341		
16,600.00	7,321.00	16,991.00	6,977.50	250.49	270.92	46.23	-5,185.58	-14,159.83	4,298.15	4,136.44	161.72	26.578		
16,700.00	7,321.00	16,991.00	6,977.50	252.93	270.92	46.23	-5,185.58	-14,159.83	4,198.75	4,036.12	162.63	25.817		
16,800.00	7,321.00	16,991.00	6,977.50	255.38	270.92	46.23	-5,185.58	-14,159.83	4,099.38	3,935.78	163.60	25.058		
16,900.00	7,321.00	16,991.00	6,977.50	257.84	270.92	46.23	-5,185.58	-14,159.83	4,000.03	3,835.42	164.61	24.300		
17,000.00	7,321.00	16,991.00	6,977.50	260.30	270.92	46.23	-5,185.58	-14,159.83	3,900.72	3,735.04	165.68	23.543		
17,100.00	7,321.00	16,991.00	6,977.50	262.76	270.92	46.23	-5,185.58	-14,159.83	3,801.45	3,634.64	166.81	22.788		
17,200.00	7,321.00	16,991.00	6,977.50	265.24	270.92	46.23	-5,185.58	-14,159.83	3,702.22	3,534.21	168.01	22.036		
17,300.00	7,321.00	16,991.00	6,977.50	267.72	270.92	46.23	-5,185.58	-14,159.83	3,603.02	3,433.75	169.27	21.285		
17,400.00	7,321.00	16,991.00	6,977.50	270.20	270.92	46.23	-5,185.58	-14,159.83	3,503.88	3,333.26	170.61	20.537		
17,500.00	7,321.00	16,991.00	6,977.50	272.69	270.92	46.23	-5,185.58	-14,159.83	3,404.78	3,232.74	172.04	19.791		
17,600.00	7,321.00	16,991.00	6,977.50	275.18	270.92	46.23	-5,185.58	-14,159.83	3,305.74	3,132.19	173.55	19.048		
17,700.00	7,321.00	16,991.00	6,977.50	277.68	270.92	46.23	-5,185.58	-14,159.83	3,206.76	3,031.59	175.16	18.307		
17,800.00	7,321.00	16,991.00	6,977.50	280.19	270.92	47.69	-5,185.58	-14,159.83	3,107.85	2,930.95	176.89	17.569		
17,900.00	7,321.00	16,991.00	6,977.50	282.71	270.92	54.97	-5,185.58	-14,159.83	3,009.29	2,830.19	179.10	16.803		
18,000.00	7,321.00	16,991.00	6,977.50	285.26	270.92	60.15	-5,185.58	-14,159.83	2,911.38	2,729.35	182.03	15.994		
18,100.00	7,321.00	16,991.00	6,977.50	287.83	270.92	63.94	-5,185.58	-14,159.83	2,814.31	2,628.54	185.78	15.149		
18,200.00	7,321.00	16,991.00	6,977.50	290.41	270.92	66.81	-5,185.58	-14,159.83	2,718.29	2,527.87	190.43	14.275		
18,300.00	7,321.00	16,991.00	6,977.50	293.00	270.92	68.59	-5,185.58	-14,159.83	2,623.55	2,427.46	196.08	13.380		
18,400.00	7,321.00	16,991.00	6,977.50	295.59	270.92	68.59	-5,185.58	-14,159.83	2,529.53	2,327.13	202.41	12.497		
18,500.00	7,321.00	16,991.00	6,977.50	298.19	270.92	68.59	-5,185.58	-14,159.83	2,436.00	2,226.73	209.27	11.640		
18,600.00	7,321.00	16,991.00	6,977.50	300.78	270.92	68.59	-5,185.58	-14,159.83	2,343.00	2,126.28	216.73	10.811		
18,700.00	7,321.00	16,991.00	6,977.50	303.38	270.92	68.59	-5,185.58	-14,159.83	2,250.60	2,025.77	224.83	10.010		
18,800.00	7,321.00	16,991.00	6,977.50	305.98	270.92	68.59	-5,185.58	-14,159.83	2,158.88	1,925.23	233.65	9.240		
18,900.00	7,321.00	16,991.00	6,977.50	308.58	270.92	68.59	-5,185.58	-14,159.83	2,067.93	1,824.67	243.25	8.501		
19,000.00	7,321.00	16,991.00	6,977.50	311.18	270.92	68.59	-5,185.58	-14,159.83	1,977.85	1,724.11	253.73	7.795		
19,100.00	7,321.00	16,991.00	6,977.50	313.78	270.92	68.59	-5,185.58	-14,159.83	1,888.76	1,623.59	265.18	7.123		
19,200.00	7,321.00	16,991.00	6,977.50	316.39	270.92	68.59	-5,185.58	-14,159.83	1,800.83	1,523.15	277.68	6.485		
19,300.00	7,321.00	16,991.00	6,977.50	318.99	270.92	68.59	-5,185.58	-14,159.83	1,714.22	1,422.87	291.35	5.884		
19,400.00	7,321.00	16,991.00	6,977.50	321.60	270.92	68.59	-5,185.58	-14,159.83	1,629.14	1,322.84	306.30	5.319		
19,500.00	7,321.00	16,991.00	6,977.50	324.21	270.92	68.47	-5,185.58	-14,159.83	1,545.84	1,223.20	322.63	4.791		
19,600.00	7,321.00	16,991.00	6,977.50	326.81	270.92	67.38	-5,185.58	-14,159.83	1,463.46	1,123.59	339.87	4.306		
19,700.00	7,321.00	16,991.00	6,977.50	329.42	270.92	66.25	-5,185.58	-14,159.83	1,381.47	1,023.79	357.68	3.862		
19,800.00	7,321.00	16,991.00	6,977.50	332.01	270.92	65.10	-5,185.58	-14,159.83	1,300.05	923.97	376.08	3.457		
19,900.00	7,321.00	16,991.00	6,977.50	334.60	270.92	63.92	-5,185.58	-14,159.83	1,219.41	824.34	395.07	3.087		
20,000.00	7,321.00	16,991.00	6,977.50	337.16	270.92	62.74	-5,185.58	-14,159.83	1,139.84	725.19	414.65	2.749		
20,100.00	7,321.00	16,991.00	6,977.50	339.72	270.92	62.61	-5,185.58	-14,159.83	1,062.45	627.29	435.17	2.441		
20,200.00	7,321.00	16,991.00	6,977.50	342.28	270.92	62.61	-5,185.58	-14,159.83	989.12	531.98	457.15	2.164		
20,300.00	7,321.00	16,991.00	6,977.50	344.84	270.92	62.61	-5,185.58	-14,159.83	920.82	440.68	480.15	1.918		
20,400.00	7,321.00	16,991.00	6,977.50	347.40	270.92	62.61	-5,185.58	-14,159.83	858.76	355.44	503.32	1.706		
20,500.00	7,321.00	16,991.00	6,977.50	349.97	270.92	62.61	-5,185.58	-14,159.83	804.38	279.14	525.24	1.531		
20,540.60	7,321.00	16,991.00	6,977.50	351.01	270.92	62.61	-5,185.58	-14,159.83	784.87	251.54	533.32	1.472	Level 3, CC, ES, SF	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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, 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		
10,800.00	7,321.00	16,815.00	6,894.39	132.51	217.73	-0.10	-5,520.94	-14,173.39	10,094.84	9,955.71	139.13	72.558		
10,900.00	7,321.00	16,815.00	6,894.39	133.87	217.73	-0.10	-5,520.94	-14,173.39	9,994.92	9,855.77	139.15	71.830		
11,000.00	7,321.00	16,815.00	6,894.39	135.26	217.73	-0.10	-5,520.94	-14,173.39	9,895.00	9,755.83	139.17	71.101		
11,100.00	7,321.00	16,815.00	6,894.39	136.68	217.73	-0.10	-5,520.94	-14,173.39	9,795.09	9,655.90	139.19	70.372		
11,200.00	7,321.00	16,815.00	6,894.39	138.14	217.73	-0.10	-5,520.94	-14,173.39	9,695.17	9,555.96	139.21	69.644		
11,300.00	7,321.00	16,815.00	6,894.39	139.63	217.73	-0.10	-5,520.94	-14,173.39	9,595.26	9,456.03	139.23	68.915		
11,400.00	7,321.00	16,815.00	6,894.39	141.15	217.73	-0.10	-5,520.94	-14,173.39	9,495.35	9,356.09	139.26	68.186		
11,500.00	7,321.00	16,815.00	6,894.39	142.70	217.73	-0.10	-5,520.94	-14,173.39	9,395.44	9,256.16	139.28	67.458		
11,600.00	7,321.00	16,815.00	6,894.39	144.29	217.73	-0.10	-5,520.94	-14,173.39	9,295.53	9,156.23	139.30	66.729		
11,700.00	7,321.00	16,815.00	6,894.39	145.91	217.73	-0.10	-5,520.94	-14,173.39	9,195.63	9,056.30	139.33	66.001		
11,800.00	7,321.00	16,815.00	6,894.39	147.55	217.73	-0.10	-5,520.94	-14,173.39	9,095.73	8,956.37	139.35	65.272		
11,900.00	7,321.00	16,815.00	6,894.39	149.23	217.73	-0.10	-5,520.94	-14,173.39	8,995.82	8,856.45	139.38	64.543		
12,000.00	7,321.00	16,815.00	6,894.39	150.93	217.73	-0.10	-5,520.94	-14,173.39	8,895.93	8,756.52	139.40	63.815		
12,100.00	7,321.00	16,815.00	6,894.39	152.67	217.73	-0.10	-5,520.94	-14,173.39	8,796.03	8,656.60	139.43	63.087		
12,200.00	7,321.00	16,815.00	6,894.39	154.43	217.73	-0.10	-5,520.94	-14,173.39	8,696.14	8,556.68	139.45	62.358		
12,300.00	7,321.00	16,815.00	6,894.39	156.22	217.73	-0.10	-5,520.94	-14,173.39	8,596.25	8,456.76	139.48	61.630		
12,400.00	7,321.00	16,815.00	6,894.39	158.04	217.73	-0.10	-5,520.94	-14,173.39	8,496.36	8,356.85	139.51	60.901		
12,500.00	7,321.00	16,815.00	6,894.39	159.88	217.73	-0.10	-5,520.94	-14,173.39	8,396.47	8,256.93	139.54	60.173		
12,600.00	7,321.00	16,815.00	6,894.39	161.75	217.73	-0.10	-5,520.94	-14,173.39	8,296.59	8,157.02	139.57	59.445		
12,700.00	7,321.00	16,815.00	6,894.39	163.64	217.73	-0.10	-5,520.94	-14,173.39	8,196.71	8,057.11	139.60	58.717		
12,800.00	7,321.00	16,815.00	6,894.39	165.56	217.73	-0.10	-5,520.94	-14,173.39	8,096.83	7,957.20	139.63	57.989		
12,900.00	7,321.00	16,815.00	6,894.39	167.49	217.73	-0.10	-5,520.94	-14,173.39	7,996.96	7,857.30	139.66	57.261		
13,000.00	7,321.00	16,815.00	6,894.39	169.46	217.73	-0.10	-5,520.94	-14,173.39	7,897.09	7,757.40	139.69	56.533		
13,100.00	7,321.00	16,815.00	6,894.39	171.44	217.73	-0.10	-5,520.94	-14,173.39	7,797.22	7,657.50	139.72	55.805		
13,200.00	7,321.00	16,815.00	6,894.39	173.45	217.73	-0.10	-5,520.94	-14,173.39	7,697.35	7,557.60	139.76	55.077		
13,300.00	7,321.00	16,815.00	6,894.39	175.47	217.73	-0.10	-5,520.94	-14,173.39	7,597.49	7,457.70	139.79	54.349		
13,400.00	7,321.00	16,815.00	6,894.39	177.52	217.73	-0.10	-5,520.94	-14,173.39	7,497.64	7,357.81	139.82	53.622		
13,500.00	7,321.00	16,815.00	6,894.39	179.58	217.73	-0.10	-5,520.94	-14,173.39	7,397.78	7,257.92	139.86	52.894		
13,600.00	7,321.00	16,815.00	6,894.39	181.67	217.73	-0.10	-5,520.94	-14,173.39	7,297.94	7,158.04	139.90	52.167		
13,700.00	7,321.00	16,815.00	6,894.39	183.77	217.73	-0.10	-5,520.94	-14,173.39	7,198.09	7,058.16	139.93	51.439		
13,800.00	7,321.00	16,815.00	6,894.39	185.89	217.73	-0.10	-5,520.94	-14,173.39	7,098.25	6,958.28	139.97	50.712		
13,900.00	7,321.00	16,815.00	6,894.39	188.02	217.73	-0.10	-5,520.94	-14,173.39	6,998.41	6,858.40	140.01	49.985		
14,000.00	7,321.00	16,815.00	6,894.39	190.18	217.73	-0.10	-5,520.94	-14,173.39	6,898.58	6,758.53	140.05	49.258		
14,100.00	7,321.00	16,815.00	6,894.39	192.35	217.73	-0.10	-5,520.94	-14,173.39	6,798.76	6,658.67	140.09	48.531		
14,200.00	7,321.00	16,815.00	6,894.39	194.53	217.73	-0.10	-5,520.94	-14,173.39	6,698.94	6,558.80	140.13	47.805		
14,300.00	7,321.00	16,815.00	6,894.39	196.73	217.73	-0.10	-5,520.94	-14,173.39	6,599.12	6,458.95	140.17	47.078		
14,400.00	7,321.00	16,815.00	6,894.39	198.95	217.73	-0.10	-5,520.94	-14,173.39	6,499.31	6,359.09	140.22	46.351		
14,500.00	7,321.00	16,815.00	6,894.39	201.17	217.73	-0.10	-5,520.94	-14,173.39	6,399.51	6,259.24	140.26	45.625		
14,600.00	7,321.00	16,815.00	6,894.39	203.42	217.73	-0.10	-5,520.94	-14,173.39	6,299.71	6,159.40	140.31	44.899		
14,700.00	7,321.00	16,815.00	6,894.39	205.67	217.73	-0.10	-5,520.94	-14,173.39	6,199.92	6,059.56	140.36	44.173		
14,800.00	7,321.00	16,815.00	6,894.39	207.94	217.73	-0.10	-5,520.94	-14,173.39	6,100.13	5,959.73	140.40	43.447		
14,900.00	7,321.00	16,815.00	6,894.39	210.22	217.73	-0.10	-5,520.94	-14,173.39	6,000.36	5,859.90	140.45	42.721		
15,000.00	7,321.00	16,815.00	6,894.39	212.51	217.73	-0.10	-5,520.94	-14,173.39	5,900.59	5,760.08	140.51	41.995		
15,100.00	7,321.00	16,815.00	6,894.39	214.81	217.73	-0.10	-5,520.94	-14,173.39	5,800.82	5,660.27	140.56	41.270		
15,200.00	7,321.00	16,815.00	6,894.39	217.12	217.73	-0.10	-5,520.94	-14,173.39	5,701.07	5,560.46	140.61	40.545		
15,300.00	7,321.00	16,815.00	6,894.39	219.45	217.73	-0.10	-5,520.94	-14,173.39	5,601.33	5,460.66	140.67	39.820		
15,400.00	7,321.00	16,815.00	6,894.39	221.78	217.73	-0.10	-5,520.94	-14,173.39	5,501.59	5,360.87	140.72	39.095		
15,500.00	7,321.00	16,815.00	6,894.39	224.13	217.73	-0.10	-5,520.94	-14,173.39	5,401.87	5,261.08	140.78	38.370		
15,600.00	7,321.00	16,815.00	6,894.39	226.48	217.73	-0.10	-5,520.94	-14,173.39	5,302.15	5,161.31	140.84	37.645		
15,700.00	7,321.00	16,815.00	6,894.39	228.85	217.73	-0.10	-5,520.94	-14,173.39	5,202.45	5,061.54	140.91	36.921		
15,800.00	7,321.00	16,815.00	6,894.39	231.22	217.73	-0.10	-5,520.94	-14,173.39	5,102.75	4,961.78	140.97	36.197		
15,900.00	7,321.00	16,815.00	6,894.39	233.60	217.73	-0.10	-5,520.94	-14,173.39	5,003.07	4,862.03	141.04	35.473		

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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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, 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		
16,000.00	7,321.00	16,815.00	6,894.39	235.99	217.73	-0.10	-5,520.94	-14,173.39	4,903.41	4,762.30	141.11	34.749		
16,100.00	7,321.00	16,815.00	6,894.39	238.39	217.73	-0.10	-5,520.94	-14,173.39	4,803.75	4,662.57	141.18	34.026		
16,200.00	7,321.00	16,815.00	6,894.39	240.79	217.73	-0.10	-5,520.94	-14,173.39	4,704.11	4,562.86	141.26	33.302		
16,300.00	7,321.00	16,815.00	6,894.39	243.21	217.73	-0.10	-5,520.94	-14,173.39	4,604.49	4,463.16	141.33	32.579		
16,400.00	7,321.00	16,815.00	6,894.39	245.63	217.73	-0.10	-5,520.94	-14,173.39	4,504.88	4,363.47	141.41	31.856		
16,500.00	7,321.00	16,815.00	6,894.39	248.06	217.73	-0.10	-5,520.94	-14,173.39	4,405.29	4,263.80	141.50	31.134		
16,600.00	7,321.00	16,815.00	6,894.39	250.49	217.73	-0.10	-5,520.94	-14,173.39	4,305.72	4,164.14	141.58	30.411		
16,700.00	7,321.00	16,815.00	6,894.39	252.93	217.73	-0.10	-5,520.94	-14,173.39	4,206.18	4,064.50	141.67	29.689		
16,800.00	7,321.00	16,815.00	6,894.39	255.38	217.73	-0.10	-5,520.94	-14,173.39	4,106.65	3,964.88	141.77	28.968		
16,900.00	7,321.00	16,815.00	6,894.39	257.84	217.73	-0.10	-5,520.94	-14,173.39	4,007.14	3,865.28	141.87	28.246		
17,000.00	7,321.00	16,815.00	6,894.39	260.30	217.73	-0.10	-5,520.94	-14,173.39	3,907.67	3,765.70	141.97	27.525		
17,100.00	7,321.00	16,815.00	6,894.39	262.76	217.73	-0.10	-5,520.94	-14,173.39	3,808.21	3,666.14	142.08	26.804		
17,200.00	7,321.00	16,815.00	6,894.39	265.24	217.73	-0.10	-5,520.94	-14,173.39	3,708.79	3,566.60	142.19	26.083		
17,300.00	7,321.00	16,815.00	6,894.39	267.72	217.73	-0.10	-5,520.94	-14,173.39	3,609.40	3,467.09	142.31	25.363		
17,400.00	7,321.00	16,815.00	6,894.39	270.20	217.73	-0.10	-5,520.94	-14,173.39	3,510.05	3,367.61	142.44	24.643		
17,500.00	7,321.00	16,815.00	6,894.39	272.69	217.73	-0.10	-5,520.94	-14,173.39	3,410.73	3,268.16	142.57	23.923		
17,600.00	7,321.00	16,815.00	6,894.39	275.18	217.73	-0.10	-5,520.94	-14,173.39	3,311.45	3,168.75	142.71	23.204		
17,700.00	7,321.00	16,815.00	6,894.39	277.68	217.73	-0.10	-5,520.94	-14,173.39	3,212.22	3,069.37	142.86	22.485		
17,800.00	7,321.00	16,815.00	6,894.39	280.19	217.73	2.38	-5,520.94	-14,173.39	3,113.04	2,970.02	143.02	21.766		
17,900.00	7,321.00	16,815.00	6,894.39	282.71	217.73	16.92	-5,520.94	-14,173.39	3,013.95	2,870.54	143.41	21.017		
18,000.00	7,321.00	16,815.00	6,894.39	285.26	217.73	29.15	-5,520.94	-14,173.39	2,915.06	2,770.89	144.17	20.220		
18,100.00	7,321.00	16,815.00	6,894.39	287.83	217.73	38.73	-5,520.94	-14,173.39	2,816.53	2,671.18	145.35	19.378		
18,200.00	7,321.00	16,815.00	6,894.39	290.41	217.73	46.03	-5,520.94	-14,173.39	2,718.52	2,571.51	147.01	18.492		
18,300.00	7,321.00	16,815.00	6,894.39	293.00	217.73	50.49	-5,520.94	-14,173.39	2,621.20	2,471.96	149.24	17.564		
18,400.00	7,321.00	16,815.00	6,894.39	295.59	217.73	50.49	-5,520.94	-14,173.39	2,524.29	2,372.45	151.84	16.625		
18,500.00	7,321.00	16,815.00	6,894.39	298.19	217.73	50.49	-5,520.94	-14,173.39	2,427.63	2,272.90	154.73	15.690		
18,600.00	7,321.00	16,815.00	6,894.39	300.78	217.73	50.49	-5,520.94	-14,173.39	2,331.25	2,173.30	157.95	14.759		
18,700.00	7,321.00	16,815.00	6,894.39	303.38	217.73	50.49	-5,520.94	-14,173.39	2,235.19	2,073.64	161.56	13.835		
18,800.00	7,321.00	16,815.00	6,894.39	305.98	217.73	50.49	-5,520.94	-14,173.39	2,139.49	1,973.91	165.59	12.921		
18,900.00	7,321.00	16,815.00	6,894.39	308.58	217.73	50.49	-5,520.94	-14,173.39	2,044.21	1,874.09	170.12	12.017		
19,000.00	7,321.00	16,815.00	6,894.39	311.18	217.73	50.49	-5,520.94	-14,173.39	1,949.39	1,774.19	175.20	11.126		
19,100.00	7,321.00	16,815.00	6,894.39	313.78	217.73	50.49	-5,520.94	-14,173.39	1,855.12	1,674.19	180.94	10.253		
19,200.00	7,321.00	16,815.00	6,894.39	316.39	217.73	50.49	-5,520.94	-14,173.39	1,761.48	1,574.08	187.41	9.399		
19,300.00	7,321.00	16,815.00	6,894.39	318.99	217.73	50.49	-5,520.94	-14,173.39	1,668.59	1,473.87	194.72	8.569		
19,400.00	7,321.00	16,815.00	6,894.39	321.60	217.73	50.49	-5,520.94	-14,173.39	1,576.55	1,373.56	203.00	7.766		
19,500.00	7,321.00	16,815.00	6,894.39	324.21	217.73	50.18	-5,520.94	-14,173.39	1,485.55	1,273.16	212.39	6.995		
19,600.00	7,321.00	16,815.00	6,894.39	326.81	217.73	47.38	-5,520.94	-14,173.39	1,395.05	1,172.64	222.42	6.272		
19,700.00	7,321.00	16,815.00	6,894.39	329.42	217.73	44.46	-5,520.94	-14,173.39	1,304.77	1,072.06	232.71	5.607		
19,800.00	7,321.00	16,815.00	6,894.39	332.01	217.73	41.45	-5,520.94	-14,173.39	1,214.87	971.65	243.23	4.995		
19,900.00	7,321.00	16,815.00	6,894.39	334.60	217.73	38.41	-5,520.94	-14,173.39	1,125.57	871.65	253.93	4.433		
20,000.00	7,321.00	16,815.00	6,894.39	337.16	217.73	35.38	-5,520.94	-14,173.39	1,037.15	772.42	264.73	3.918		
20,100.00	7,321.00	16,815.00	6,894.39	339.72	217.73	35.04	-5,520.94	-14,173.39	950.36	674.24	276.13	3.442		
20,200.00	7,321.00	16,815.00	6,894.39	342.28	217.73	35.04	-5,520.94	-14,173.39	866.42	577.37	289.05	2.997		
20,300.00	7,321.00	16,815.00	6,894.39	344.84	217.73	35.04	-5,520.94	-14,173.39	786.25	482.72	303.53	2.590		
20,400.00	7,321.00	16,815.00	6,894.39	347.40	217.73	35.04	-5,520.94	-14,173.39	711.11	391.78	319.33	2.227		
20,500.00	7,321.00	16,815.00	6,894.39	349.97	217.73	35.04	-5,520.94	-14,173.39	642.79	307.12	335.67	1.915		
20,540.60	7,321.00	16,815.00	6,894.39	351.01	217.73	35.04	-5,520.94	-14,173.39	617.51	275.42	342.09	1.805 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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 - Wellbore #1 - Wellbore #1		Offset Site Error:		0.00 usft
Survey Program: 1662-MWD OWSG													Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis		Distance								Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
12,500.00	7,321.00	15,135.00	6,838.83	159.88	225.16	2.78	-5,498.43	-15,850.37	10,074.24	9,940.99	133.25	75.604					
12,600.00	7,321.00	15,135.00	6,838.83	161.75	225.16	2.78	-5,498.43	-15,850.37	9,974.34	9,841.05	133.29	74.831					
12,700.00	7,321.00	15,135.00	6,838.83	163.64	225.16	2.78	-5,498.43	-15,850.37	9,874.45	9,741.12	133.33	74.059					
12,800.00	7,321.00	15,135.00	6,838.83	165.56	225.16	2.78	-5,498.43	-15,850.37	9,774.56	9,641.18	133.38	73.286					
12,900.00	7,321.00	15,135.00	6,838.83	167.49	225.16	2.78	-5,498.43	-15,850.37	9,674.67	9,541.25	133.42	72.513					
13,000.00	7,321.00	15,135.00	6,838.83	169.46	225.16	2.78	-5,498.43	-15,850.37	9,574.78	9,441.32	133.46	71.741					
13,100.00	7,321.00	15,135.00	6,838.83	171.44	225.16	2.78	-5,498.43	-15,850.37	9,474.90	9,341.39	133.51	70.968					
13,200.00	7,321.00	15,135.00	6,838.83	173.45	225.16	2.78	-5,498.43	-15,850.37	9,375.02	9,241.46	133.56	70.196					
13,300.00	7,321.00	15,135.00	6,838.83	175.47	225.16	2.78	-5,498.43	-15,850.37	9,275.14	9,141.54	133.60	69.423					
13,400.00	7,321.00	15,135.00	6,838.83	177.52	225.16	2.78	-5,498.43	-15,850.37	9,175.26	9,041.61	133.65	68.651					
13,500.00	7,321.00	15,135.00	6,838.83	179.58	225.16	2.78	-5,498.43	-15,850.37	9,075.39	8,941.69	133.70	67.879					
13,600.00	7,321.00	15,135.00	6,838.83	181.67	225.16	2.78	-5,498.43	-15,850.37	8,975.52	8,841.77	133.75	67.107					
13,700.00	7,321.00	15,135.00	6,838.83	183.77	225.16	2.78	-5,498.43	-15,850.37	8,875.65	8,741.85	133.80	66.335					
13,800.00	7,321.00	15,135.00	6,838.83	185.89	225.16	2.78	-5,498.43	-15,850.37	8,775.79	8,641.94	133.85	65.562					
13,900.00	7,321.00	15,135.00	6,838.83	188.02	225.16	2.78	-5,498.43	-15,850.37	8,675.93	8,542.02	133.91	64.791					
14,000.00	7,321.00	15,135.00	6,838.83	190.18	225.16	2.78	-5,498.43	-15,850.37	8,576.07	8,442.11	133.96	64.019					
14,100.00	7,321.00	15,135.00	6,838.83	192.35	225.16	2.78	-5,498.43	-15,850.37	8,476.22	8,342.20	134.02	63.247					
14,200.00	7,321.00	15,135.00	6,838.83	194.53	225.16	2.78	-5,498.43	-15,850.37	8,376.37	8,242.29	134.07	62.475					
14,300.00	7,321.00	15,135.00	6,838.83	196.73	225.16	2.78	-5,498.43	-15,850.37	8,276.52	8,142.39	134.13	61.704					
14,400.00	7,321.00	15,135.00	6,838.83	198.95	225.16	2.78	-5,498.43	-15,850.37	8,176.67	8,042.48	134.19	60.933					
14,500.00	7,321.00	15,135.00	6,838.83	201.17	225.16	2.78	-5,498.43	-15,850.37	8,076.83	7,942.58	134.25	60.161					
14,600.00	7,321.00	15,135.00	6,838.83	203.42	225.16	2.78	-5,498.43	-15,850.37	7,977.00	7,842.68	134.32	59.390					
14,700.00	7,321.00	15,135.00	6,838.83	205.67	225.16	2.78	-5,498.43	-15,850.37	7,877.17	7,742.79	134.38	58.619					
14,800.00	7,321.00	15,135.00	6,838.83	207.94	225.16	2.78	-5,498.43	-15,850.37	7,777.34	7,642.90	134.44	57.848					
14,900.00	7,321.00	15,135.00	6,838.83	210.22	225.16	2.78	-5,498.43	-15,850.37	7,677.52	7,543.01	134.51	57.077					
15,000.00	7,321.00	15,135.00	6,838.83	212.51	225.16	2.78	-5,498.43	-15,850.37	7,577.70	7,443.12	134.58	56.307					
15,100.00	7,321.00	15,135.00	6,838.83	214.81	225.16	2.78	-5,498.43	-15,850.37	7,477.89	7,343.24	134.65	55.536					
15,200.00	7,321.00	15,135.00	6,838.83	217.12	225.16	2.78	-5,498.43	-15,850.37	7,378.08	7,243.36	134.72	54.766					
15,300.00	7,321.00	15,135.00	6,838.83	219.45	225.16	2.78	-5,498.43	-15,850.37	7,278.27	7,143.48	134.79	53.996					
15,400.00	7,321.00	15,135.00	6,838.83	221.78	225.16	2.78	-5,498.43	-15,850.37	7,178.48	7,043.61	134.87	53.226					
15,500.00	7,321.00	15,135.00	6,838.83	224.13	225.16	2.78	-5,498.43	-15,850.37	7,078.68	6,943.74	134.95	52.456					
15,600.00	7,321.00	15,135.00	6,838.83	226.48	225.16	2.78	-5,498.43	-15,850.37	6,978.90	6,843.87	135.02	51.686					
15,700.00	7,321.00	15,135.00	6,838.83	228.85	225.16	2.78	-5,498.43	-15,850.37	6,879.12	6,744.01	135.10	50.917					
15,800.00	7,321.00	15,135.00	6,838.83	231.22	225.16	2.78	-5,498.43	-15,850.37	6,779.35	6,644.16	135.19	50.148					
15,900.00	7,321.00	15,135.00	6,838.83	233.60	225.16	2.78	-5,498.43	-15,850.37	6,679.58	6,544.31	135.27	49.378					
16,000.00	7,321.00	15,135.00	6,838.83	235.99	225.16	2.78	-5,498.43	-15,850.37	6,579.82	6,444.46	135.36	48.609					
16,100.00	7,321.00	15,135.00	6,838.83	238.39	225.16	2.78	-5,498.43	-15,850.37	6,480.07	6,344.62	135.45	47.841					
16,200.00	7,321.00	15,135.00	6,838.83	240.79	225.16	2.78	-5,498.43	-15,850.37	6,380.32	6,244.78	135.54	47.072					
16,300.00	7,321.00	15,135.00	6,838.83	243.21	225.16	2.78	-5,498.43	-15,850.37	6,280.59	6,144.95	135.64	46.304					
16,400.00	7,321.00	15,135.00	6,838.83	245.63	225.16	2.78	-5,498.43	-15,850.37	6,180.86	6,045.12	135.74	45.535					
16,500.00	7,321.00	15,135.00	6,838.83	248.06	225.16	2.78	-5,498.43	-15,850.37	6,081.14	5,945.30	135.84	44.768					
16,600.00	7,321.00	15,135.00	6,838.83	250.49	225.16	2.78	-5,498.43	-15,850.37	5,981.43	5,845.49	135.94	44.000					
16,700.00	7,321.00	15,135.00	6,838.83	252.93	225.16	2.78	-5,498.43	-15,850.37	5,881.73	5,745.68	136.05	43.232					
16,800.00	7,321.00	15,135.00	6,838.83	255.38	225.16	2.78	-5,498.43	-15,850.37	5,782.05	5,645.88	136.16	42.465					
16,900.00	7,321.00	15,135.00	6,838.83	257.84	225.16	2.78	-5,498.43	-15,850.37	5,682.37	5,546.09	136.27	41.698					
17,000.00	7,321.00	15,135.00	6,838.83	260.30	225.16	2.78	-5,498.43	-15,850.37	5,582.70	5,446.31	136.39	40.931					
17,100.00	7,321.00	15,135.00	6,838.83	262.76	225.16	2.78	-5,498.43	-15,850.37	5,483.05	5,346.53	136.51	40.164					
17,200.00	7,321.00	15,135.00	6,838.83	265.24	225.16	2.78	-5,498.43	-15,850.37	5,383.41	5,246.76	136.64	39.398					
17,300.00	7,321.00	15,135.00	6,838.83	267.72	225.16	2.78	-5,498.43	-15,850.37	5,283.78	5,147.01	136.77	38.632					
17,400.00	7,321.00	15,135.00	6,838.83	270.20	225.16	2.78	-5,498.43	-15,850.37	5,184.16	5,047.26	136.91	37.866					
17,500.00	7,321.00	15,135.00	6,838.83	272.69	225.16	2.78	-5,498.43	-15,850.37	5,084.57	4,947.52	137.05	37.101					
17,600.00	7,321.00	15,135.00	6,838.83	275.18	225.16	2.78	-5,498.43	-15,850.37	4,984.98	4,847.79	137.19	36.335					

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 - Wellbore #1 - Wellbore #1		Offset Site Error:		0.00 usft	
Survey Program: 1662-MWD OWSG														Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis		Distance								Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
17,700.00	7,321.00	15,135.00	6,838.83	277.68	225.16	2.78	-5,498.43	-15,850.37	4,885.42	4,748.07	137.34	35.570					
17,800.00	7,321.00	15,135.00	6,838.83	280.19	225.16	6.13	-5,498.43	-15,850.37	4,785.87	4,648.37	137.51	34.805					
17,900.00	7,321.00	15,135.00	6,838.83	282.71	225.16	24.96	-5,498.43	-15,850.37	4,686.39	4,548.56	137.83	34.001					
18,000.00	7,321.00	15,135.00	6,838.83	285.26	225.16	39.20	-5,498.43	-15,850.37	4,587.09	4,448.67	138.42	33.140					
18,100.00	7,321.00	15,135.00	6,838.83	287.83	225.16	49.16	-5,498.43	-15,850.37	4,488.11	4,348.82	139.29	32.222					
18,200.00	7,321.00	15,135.00	6,838.83	290.41	225.16	56.12	-5,498.43	-15,850.37	4,389.60	4,249.12	140.48	31.247					
18,300.00	7,321.00	15,135.00	6,838.83	293.00	225.16	60.15	-5,498.43	-15,850.37	4,291.70	4,149.69	142.02	30.220					
18,400.00	7,321.00	15,135.00	6,838.83	295.59	225.16	60.15	-5,498.43	-15,850.37	4,194.09	4,050.35	143.75	29.177					
18,500.00	7,321.00	15,135.00	6,838.83	298.19	225.16	60.15	-5,498.43	-15,850.37	4,096.60	3,951.00	145.60	28.135					
18,600.00	7,321.00	15,135.00	6,838.83	300.78	225.16	60.15	-5,498.43	-15,850.37	3,999.23	3,851.64	147.59	27.097					
18,700.00	7,321.00	15,135.00	6,838.83	303.38	225.16	60.15	-5,498.43	-15,850.37	3,902.00	3,752.27	149.73	26.061					
18,800.00	7,321.00	15,135.00	6,838.83	305.98	225.16	60.15	-5,498.43	-15,850.37	3,804.91	3,652.89	152.02	25.030					
18,900.00	7,321.00	15,135.00	6,838.83	308.58	225.16	60.15	-5,498.43	-15,850.37	3,707.97	3,553.49	154.47	24.004					
19,000.00	7,321.00	15,135.00	6,838.83	311.18	225.16	60.15	-5,498.43	-15,850.37	3,611.20	3,454.08	157.12	22.984					
19,100.00	7,321.00	15,135.00	6,838.83	313.78	225.16	60.15	-5,498.43	-15,850.37	3,514.61	3,354.65	159.96	21.972					
19,200.00	7,321.00	15,135.00	6,838.83	316.39	225.16	60.15	-5,498.43	-15,850.37	3,418.22	3,255.20	163.01	20.969					
19,300.00	7,321.00	15,135.00	6,838.83	318.99	225.16	60.15	-5,498.43	-15,850.37	3,322.04	3,155.74	166.30	19.976					
19,400.00	7,321.00	15,135.00	6,838.83	321.60	225.16	60.15	-5,498.43	-15,850.37	3,226.09	3,056.25	169.84	18.995					
19,500.00	7,321.00	15,135.00	6,838.83	324.21	225.16	59.77	-5,498.43	-15,850.37	3,130.39	2,956.74	173.65	18.027					
19,600.00	7,321.00	15,135.00	6,838.83	326.81	225.16	56.16	-5,498.43	-15,850.37	3,034.43	2,856.99	177.44	17.101					
19,700.00	7,321.00	15,135.00	6,838.83	329.42	225.16	51.83	-5,498.43	-15,850.37	2,937.93	2,756.95	180.99	16.233					
19,800.00	7,321.00	15,135.00	6,838.83	332.01	225.16	46.65	-5,498.43	-15,850.37	2,840.96	2,656.72	184.24	15.420					
19,900.00	7,321.00	15,135.00	6,838.83	334.60	225.16	40.45	-5,498.43	-15,850.37	2,743.58	2,556.44	187.14	14.660					
20,000.00	7,321.00	15,135.00	6,838.83	337.16	225.16	33.12	-5,498.43	-15,850.37	2,645.88	2,456.24	189.65	13.951					
20,100.00	7,321.00	15,135.00	6,838.83	339.72	225.16	32.20	-5,498.43	-15,850.37	2,548.10	2,356.14	191.95	13.274					
20,200.00	7,321.00	15,135.00	6,838.83	342.28	225.16	32.20	-5,498.43	-15,850.37	2,450.48	2,256.04	194.44	12.603					
20,300.00	7,321.00	15,135.00	6,838.83	344.84	225.16	32.20	-5,498.43	-15,850.37	2,353.07	2,155.94	197.13	11.937					
20,400.00	7,321.00	15,135.00	6,838.83	347.40	225.16	32.20	-5,498.43	-15,850.37	2,255.88	2,055.84	200.05	11.277					
20,500.00	7,321.00	15,135.00	6,838.83	349.97	225.16	32.20	-5,498.43	-15,850.37	2,158.95	1,955.73	203.22	10.624					
20,540.60	7,321.00	15,135.00	6,838.83	351.01	225.16	32.20	-5,498.43	-15,850.37	2,119.68	1,915.09	204.59	10.360	CC, ES, SF				

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
10,800.00	7,321.00	17,130.00	7,210.02	132.51	271.45	-54.62	-5,644.10	-14,155.26	10,069.82	9,937.44	132.38	76.068		
10,900.00	7,321.00	17,130.00	7,210.02	133.87	271.45	-54.62	-5,644.10	-14,155.26	9,969.83	9,837.47	132.36	75.323		
11,000.00	7,321.00	17,130.00	7,210.02	135.26	271.45	-54.62	-5,644.10	-14,155.26	9,869.84	9,737.50	132.34	74.578		
11,100.00	7,321.00	17,130.00	7,210.02	136.68	271.45	-54.62	-5,644.10	-14,155.26	9,769.85	9,637.53	132.32	73.833		
11,200.00	7,321.00	17,130.00	7,210.02	138.14	271.45	-54.62	-5,644.10	-14,155.26	9,669.87	9,537.56	132.31	73.087		
11,300.00	7,321.00	17,130.00	7,210.02	139.63	271.45	-54.62	-5,644.10	-14,155.26	9,569.88	9,437.59	132.29	72.342		
11,400.00	7,321.00	17,130.00	7,210.02	141.15	271.45	-54.62	-5,644.10	-14,155.26	9,469.89	9,337.62	132.27	71.597		
11,500.00	7,321.00	17,130.00	7,210.02	142.70	271.45	-54.62	-5,644.10	-14,155.26	9,369.90	9,237.66	132.25	70.852		
11,600.00	7,321.00	17,130.00	7,210.02	144.29	271.45	-54.62	-5,644.10	-14,155.26	9,269.92	9,137.69	132.23	70.106		
11,700.00	7,321.00	17,130.00	7,210.02	145.91	271.45	-54.62	-5,644.10	-14,155.26	9,169.93	9,037.73	132.21	69.361		
11,800.00	7,321.00	17,130.00	7,210.02	147.55	271.45	-54.62	-5,644.10	-14,155.26	9,069.95	8,937.76	132.18	68.616		
11,900.00	7,321.00	17,130.00	7,210.02	149.23	271.45	-54.62	-5,644.10	-14,155.26	8,969.96	8,837.80	132.16	67.870		
12,000.00	7,321.00	17,130.00	7,210.02	150.93	271.45	-54.62	-5,644.10	-14,155.26	8,869.97	8,737.83	132.14	67.125		
12,100.00	7,321.00	17,130.00	7,210.02	152.67	271.45	-54.62	-5,644.10	-14,155.26	8,769.99	8,637.87	132.12	66.380		
12,200.00	7,321.00	17,130.00	7,210.02	154.43	271.45	-54.62	-5,644.10	-14,155.26	8,670.00	8,537.91	132.10	65.634		
12,300.00	7,321.00	17,130.00	7,210.02	156.22	271.45	-54.62	-5,644.10	-14,155.26	8,570.02	8,437.95	132.07	64.889		
12,400.00	7,321.00	17,130.00	7,210.02	158.04	271.45	-54.62	-5,644.10	-14,155.26	8,470.04	8,337.99	132.05	64.143		
12,500.00	7,321.00	17,130.00	7,210.02	159.88	271.45	-54.62	-5,644.10	-14,155.26	8,370.05	8,238.03	132.02	63.398		
12,600.00	7,321.00	17,130.00	7,210.02	161.75	271.45	-54.62	-5,644.10	-14,155.26	8,270.07	8,138.07	132.00	62.653		
12,700.00	7,321.00	17,130.00	7,210.02	163.64	271.45	-54.62	-5,644.10	-14,155.26	8,170.09	8,038.11	131.97	61.907		
12,800.00	7,321.00	17,130.00	7,210.02	165.56	271.45	-54.62	-5,644.10	-14,155.26	8,070.10	7,938.16	131.95	61.162		
12,900.00	7,321.00	17,130.00	7,210.02	167.49	271.45	-54.62	-5,644.10	-14,155.26	7,970.12	7,838.20	131.92	60.416		
13,000.00	7,321.00	17,130.00	7,210.02	169.46	271.45	-54.62	-5,644.10	-14,155.26	7,870.14	7,738.25	131.89	59.671		
13,100.00	7,321.00	17,130.00	7,210.02	171.44	271.45	-54.62	-5,644.10	-14,155.26	7,770.16	7,638.29	131.86	58.926		
13,200.00	7,321.00	17,130.00	7,210.02	173.45	271.45	-54.62	-5,644.10	-14,155.26	7,670.18	7,538.34	131.83	58.180		
13,300.00	7,321.00	17,130.00	7,210.02	175.47	271.45	-54.62	-5,644.10	-14,155.26	7,570.20	7,438.39	131.80	57.435		
13,400.00	7,321.00	17,130.00	7,210.02	177.52	271.45	-54.62	-5,644.10	-14,155.26	7,470.22	7,338.44	131.77	56.690		
13,500.00	7,321.00	17,130.00	7,210.02	179.58	271.45	-54.62	-5,644.10	-14,155.26	7,370.24	7,238.50	131.74	55.944		
13,600.00	7,321.00	17,130.00	7,210.02	181.67	271.45	-54.62	-5,644.10	-14,155.26	7,270.26	7,138.55	131.71	55.199		
13,700.00	7,321.00	17,130.00	7,210.02	183.77	271.45	-54.62	-5,644.10	-14,155.26	7,170.28	7,038.61	131.68	54.454		
13,800.00	7,321.00	17,130.00	7,210.02	185.89	271.45	-54.62	-5,644.10	-14,155.26	7,070.31	6,938.66	131.64	53.709		
13,900.00	7,321.00	17,130.00	7,210.02	188.02	271.45	-54.62	-5,644.10	-14,155.26	6,970.33	6,838.72	131.61	52.964		
14,000.00	7,321.00	17,130.00	7,210.02	190.18	271.45	-54.62	-5,644.10	-14,155.26	6,870.35	6,738.78	131.57	52.218		
14,100.00	7,321.00	17,130.00	7,210.02	192.35	271.45	-54.62	-5,644.10	-14,155.26	6,770.38	6,638.85	131.53	51.473		
14,200.00	7,321.00	17,130.00	7,210.02	194.53	271.45	-54.62	-5,644.10	-14,155.26	6,670.40	6,538.91	131.49	50.728		
14,300.00	7,321.00	17,130.00	7,210.02	196.73	271.45	-54.62	-5,644.10	-14,155.26	6,570.43	6,438.98	131.45	49.983		
14,400.00	7,321.00	17,130.00	7,210.02	198.95	271.45	-54.62	-5,644.10	-14,155.26	6,470.46	6,339.04	131.41	49.238		
14,500.00	7,321.00	17,130.00	7,210.02	201.17	271.45	-54.62	-5,644.10	-14,155.26	6,370.48	6,239.12	131.37	48.493		
14,600.00	7,321.00	17,130.00	7,210.02	203.42	271.45	-54.62	-5,644.10	-14,155.26	6,270.51	6,139.19	131.33	47.748		
14,700.00	7,321.00	17,130.00	7,210.02	205.67	271.45	-54.62	-5,644.10	-14,155.26	6,170.54	6,039.26	131.28	47.003		
14,800.00	7,321.00	17,130.00	7,210.02	207.94	271.45	-54.62	-5,644.10	-14,155.26	6,070.57	5,939.34	131.23	46.258		
14,900.00	7,321.00	17,130.00	7,210.02	210.22	271.45	-54.62	-5,644.10	-14,155.26	5,970.61	5,839.42	131.18	45.513		
15,000.00	7,321.00	17,130.00	7,210.02	212.51	271.45	-54.62	-5,644.10	-14,155.26	5,870.64	5,739.50	131.13	44.768		
15,100.00	7,321.00	17,130.00	7,210.02	214.81	271.45	-54.62	-5,644.10	-14,155.26	5,770.67	5,639.59	131.08	44.023		
15,200.00	7,321.00	17,130.00	7,210.02	217.12	271.45	-54.62	-5,644.10	-14,155.26	5,670.71	5,539.68	131.03	43.278		
15,300.00	7,321.00	17,130.00	7,210.02	219.45	271.45	-54.62	-5,644.10	-14,155.26	5,570.74	5,439.77	130.97	42.534		
15,400.00	7,321.00	17,130.00	7,210.02	221.78	271.45	-54.62	-5,644.10	-14,155.26	5,470.78	5,339.87	130.92	41.789		
15,500.00	7,321.00	17,130.00	7,210.02	224.13	271.45	-54.62	-5,644.10	-14,155.26	5,370.82	5,239.97	130.86	41.044		
15,600.00	7,321.00	17,130.00	7,210.02	226.48	271.45	-54.62	-5,644.10	-14,155.26	5,270.86	5,140.07	130.79	40.299		
15,700.00	7,321.00	17,130.00	7,210.02	228.85	271.45	-54.62	-5,644.10	-14,155.26	5,170.91	5,040.18	130.73	39.554		
15,800.00	7,321.00	17,130.00	7,210.02	231.22	271.45	-54.62	-5,644.10	-14,155.26	5,070.95	4,940.29	130.66	38.809		
15,900.00	7,321.00	17,130.00	7,210.02	233.60	271.45	-54.62	-5,644.10	-14,155.26	4,971.00	4,840.40	130.59	38.065		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 5-T6N-R67W - VARRA 4 - Wellbore #1 - Wellbore #1		Offset Site Error: 0.00 usft	
Survey Program: 1757-MWD OWSG														Offset Well Error: 0.00 usft		
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
16,000.00	7,321.00	17,130.00	7,210.02	235.99	271.45	-54.62	-5,644.10	-14,155.26	4,871.04	4,740.52	130.52	37.320				
16,100.00	7,321.00	17,130.00	7,210.02	238.39	271.45	-54.62	-5,644.10	-14,155.26	4,771.09	4,640.64	130.45	36.575				
16,200.00	7,321.00	17,130.00	7,210.02	240.79	271.45	-54.62	-5,644.10	-14,155.26	4,671.14	4,540.77	130.37	35.830				
16,300.00	7,321.00	17,130.00	7,210.02	243.21	271.45	-54.62	-5,644.10	-14,155.26	4,571.20	4,440.91	130.29	35.085				
16,400.00	7,321.00	17,130.00	7,210.02	245.63	271.45	-54.62	-5,644.10	-14,155.26	4,471.25	4,341.05	130.21	34.340				
16,500.00	7,321.00	17,130.00	7,210.02	248.06	271.45	-54.62	-5,644.10	-14,155.26	4,371.31	4,241.19	130.12	33.595				
16,600.00	7,321.00	17,130.00	7,210.02	250.49	271.45	-54.62	-5,644.10	-14,155.26	4,271.38	4,141.35	130.03	32.849				
16,700.00	7,321.00	17,130.00	7,210.02	252.93	271.45	-54.62	-5,644.10	-14,155.26	4,171.44	4,041.51	129.94	32.104				
16,800.00	7,321.00	17,130.00	7,210.02	255.38	271.45	-54.62	-5,644.10	-14,155.26	4,071.51	3,941.67	129.84	31.359				
16,900.00	7,321.00	17,130.00	7,210.02	257.84	271.45	-54.62	-5,644.10	-14,155.26	3,971.58	3,841.84	129.74	30.613				
17,000.00	7,321.00	17,130.00	7,210.02	260.30	271.45	-54.62	-5,644.10	-14,155.26	3,871.66	3,742.03	129.63	29.867				
17,100.00	7,321.00	17,130.00	7,210.02	262.76	271.45	-54.62	-5,644.10	-14,155.26	3,771.73	3,642.22	129.52	29.121				
17,200.00	7,321.00	17,130.00	7,210.02	265.24	271.45	-54.62	-5,644.10	-14,155.26	3,671.82	3,542.41	129.40	28.375				
17,300.00	7,321.00	17,130.00	7,210.02	267.72	271.45	-54.62	-5,644.10	-14,155.26	3,571.91	3,442.62	129.28	27.629				
17,400.00	7,321.00	17,130.00	7,210.02	270.20	271.45	-54.62	-5,644.10	-14,155.26	3,472.00	3,342.84	129.16	26.882				
17,500.00	7,321.00	17,130.00	7,210.02	272.69	271.45	-54.62	-5,644.10	-14,155.26	3,372.10	3,243.07	129.03	26.135				
17,600.00	7,321.00	17,130.00	7,210.02	275.18	271.45	-54.62	-5,644.10	-14,155.26	3,272.20	3,143.31	128.89	25.387				
17,700.00	7,321.00	17,130.00	7,210.02	277.68	271.45	-54.62	-5,644.10	-14,155.26	3,172.31	3,043.56	128.75	24.639				
17,800.00	7,321.00	17,130.00	7,210.02	280.19	271.45	-50.43	-5,644.10	-14,155.26	3,072.43	2,943.83	128.60	23.891				
17,900.00	7,321.00	17,130.00	7,210.02	282.71	271.45	-0.67	-5,644.10	-14,155.26	2,972.49	2,843.91	128.58	23.118				
18,000.00	7,321.00	17,130.00	7,210.02	285.26	271.45	48.92	-5,644.10	-14,155.26	2,872.56	2,743.80	128.75	22.310				
18,100.00	7,321.00	17,130.00	7,210.02	287.83	271.45	66.18	-5,644.10	-14,155.26	2,772.76	2,643.60	129.16	21.468				
18,200.00	7,321.00	17,130.00	7,210.02	290.41	271.45	73.33	-5,644.10	-14,155.26	2,673.23	2,543.39	129.84	20.589				
18,300.00	7,321.00	17,130.00	7,210.02	293.00	271.45	76.45	-5,644.10	-14,155.26	2,574.12	2,443.26	130.86	19.671				
18,400.00	7,321.00	17,130.00	7,210.02	295.59	271.45	76.45	-5,644.10	-14,155.26	2,475.23	2,343.10	132.14	18.732				
18,500.00	7,321.00	17,130.00	7,210.02	298.19	271.45	76.45	-5,644.10	-14,155.26	2,376.44	2,242.81	133.63	17.784				
18,600.00	7,321.00	17,130.00	7,210.02	300.78	271.45	76.45	-5,644.10	-14,155.26	2,277.75	2,142.37	135.38	16.825				
18,700.00	7,321.00	17,130.00	7,210.02	303.38	271.45	76.45	-5,644.10	-14,155.26	2,179.18	2,041.73	137.45	15.854				
18,800.00	7,321.00	17,130.00	7,210.02	305.98	271.45	76.45	-5,644.10	-14,155.26	2,080.75	1,940.84	139.91	14.872				
18,900.00	7,321.00	17,130.00	7,210.02	308.58	271.45	76.45	-5,644.10	-14,155.26	1,982.47	1,839.64	142.83	13.880				
19,000.00	7,321.00	17,130.00	7,210.02	311.18	271.45	76.45	-5,644.10	-14,155.26	1,884.38	1,738.07	146.31	12.879				
19,100.00	7,321.00	17,130.00	7,210.02	313.78	271.45	76.45	-5,644.10	-14,155.26	1,786.50	1,636.04	150.46	11.874				
19,200.00	7,321.00	17,130.00	7,210.02	316.39	271.45	76.45	-5,644.10	-14,155.26	1,688.86	1,533.45	155.41	10.867				
19,300.00	7,321.00	17,130.00	7,210.02	318.99	271.45	76.45	-5,644.10	-14,155.26	1,591.52	1,430.21	161.30	9.867				
19,400.00	7,321.00	17,130.00	7,210.02	321.60	271.45	76.45	-5,644.10	-14,155.26	1,494.53	1,326.20	168.32	8.879				
19,500.00	7,321.00	17,130.00	7,210.02	324.21	271.45	76.25	-5,644.10	-14,155.26	1,397.96	1,221.29	176.67	7.913				
19,600.00	7,321.00	17,130.00	7,210.02	326.81	271.45	74.35	-5,644.10	-14,155.26	1,301.33	1,115.51	185.82	7.003				
19,700.00	7,321.00	17,130.00	7,210.02	329.42	271.45	72.06	-5,644.10	-14,155.26	1,204.35	1,009.04	195.32	6.166				
19,800.00	7,321.00	17,130.00	7,210.02	332.01	271.45	69.27	-5,644.10	-14,155.26	1,107.05	901.95	205.10	5.398				
19,900.00	7,321.00	17,130.00	7,210.02	334.60	271.45	65.87	-5,644.10	-14,155.26	1,009.47	794.32	215.16	4.692				
20,000.00	7,321.00	17,130.00	7,210.02	337.16	271.45	61.73	-5,644.10	-14,155.26	911.67	686.17	225.49	4.043				
20,100.00	7,321.00	17,130.00	7,210.02	339.72	271.45	61.20	-5,644.10	-14,155.26	813.95	576.95	237.00	3.434				
20,200.00	7,321.00	17,130.00	7,210.02	342.28	271.45	61.20	-5,644.10	-14,155.26	716.85	465.27	251.58	2.849				
20,300.00	7,321.00	17,130.00	7,210.02	344.84	271.45	61.20	-5,644.10	-14,155.26	620.67	350.10	270.56	2.294				
20,400.00	7,321.00	17,130.00	7,210.02	347.40	271.45	61.20	-5,644.10	-14,155.26	525.92	229.88	296.04	1.777				
20,500.00	7,321.00	17,130.00	7,210.02	349.97	271.45	61.20	-5,644.10	-14,155.26	433.53	102.15	331.38	1.308	Level 3			
20,540.60	7,321.00	17,130.00	7,210.02	351.01	271.45	61.20	-5,644.10	-14,155.26	397.08	47.39	349.68	1.136	Level 2, CC, ES, SF			

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
10,800.00	7,321.00	16,905.00	6,998.53	132.51	271.34	-46.18	-5,832.28	-14,157.21	10,079.96	9,948.15	131.82	76.469		
10,900.00	7,321.00	16,905.00	6,998.53	133.87	271.34	-46.18	-5,832.28	-14,157.21	9,980.06	9,848.28	131.78	75.732		
11,000.00	7,321.00	16,905.00	6,998.53	135.26	271.34	-46.18	-5,832.28	-14,157.21	9,880.15	9,748.41	131.75	74.994		
11,100.00	7,321.00	16,905.00	6,998.53	136.68	271.34	-46.18	-5,832.28	-14,157.21	9,780.25	9,648.54	131.71	74.257		
11,200.00	7,321.00	16,905.00	6,998.53	138.14	271.34	-46.18	-5,832.28	-14,157.21	9,680.35	9,548.68	131.67	73.519		
11,300.00	7,321.00	16,905.00	6,998.53	139.63	271.34	-46.18	-5,832.28	-14,157.21	9,580.45	9,448.81	131.63	72.781		
11,400.00	7,321.00	16,905.00	6,998.53	141.15	271.34	-46.18	-5,832.28	-14,157.21	9,480.55	9,348.95	131.60	72.042		
11,500.00	7,321.00	16,905.00	6,998.53	142.70	271.34	-46.18	-5,832.28	-14,157.21	9,380.66	9,249.10	131.56	71.304		
11,600.00	7,321.00	16,905.00	6,998.53	144.29	271.34	-46.18	-5,832.28	-14,157.21	9,280.76	9,149.24	131.52	70.565		
11,700.00	7,321.00	16,905.00	6,998.53	145.91	271.34	-46.18	-5,832.28	-14,157.21	9,180.87	9,049.39	131.48	69.827		
11,800.00	7,321.00	16,905.00	6,998.53	147.55	271.34	-46.18	-5,832.28	-14,157.21	9,080.99	8,949.54	131.44	69.088		
11,900.00	7,321.00	16,905.00	6,998.53	149.23	271.34	-46.18	-5,832.28	-14,157.21	8,981.10	8,849.70	131.40	68.349		
12,000.00	7,321.00	16,905.00	6,998.53	150.93	271.34	-46.18	-5,832.28	-14,157.21	8,881.22	8,749.86	131.36	67.609		
12,100.00	7,321.00	16,905.00	6,998.53	152.67	271.34	-46.18	-5,832.28	-14,157.21	8,781.34	8,650.02	131.32	66.870		
12,200.00	7,321.00	16,905.00	6,998.53	154.43	271.34	-46.18	-5,832.28	-14,157.21	8,681.46	8,550.18	131.28	66.130		
12,300.00	7,321.00	16,905.00	6,998.53	156.22	271.34	-46.18	-5,832.28	-14,157.21	8,581.59	8,450.35	131.24	65.390		
12,400.00	7,321.00	16,905.00	6,998.53	158.04	271.34	-46.18	-5,832.28	-14,157.21	8,481.71	8,350.52	131.19	64.650		
12,500.00	7,321.00	16,905.00	6,998.53	159.88	271.34	-46.18	-5,832.28	-14,157.21	8,381.85	8,250.70	131.15	63.910		
12,600.00	7,321.00	16,905.00	6,998.53	161.75	271.34	-46.18	-5,832.28	-14,157.21	8,281.98	8,150.87	131.11	63.169		
12,700.00	7,321.00	16,905.00	6,998.53	163.64	271.34	-46.18	-5,832.28	-14,157.21	8,182.12	8,051.06	131.06	62.429		
12,800.00	7,321.00	16,905.00	6,998.53	165.56	271.34	-46.18	-5,832.28	-14,157.21	8,082.26	7,951.24	131.02	61.688		
12,900.00	7,321.00	16,905.00	6,998.53	167.49	271.34	-46.18	-5,832.28	-14,157.21	7,982.41	7,851.43	130.97	60.947		
13,000.00	7,321.00	16,905.00	6,998.53	169.46	271.34	-46.18	-5,832.28	-14,157.21	7,882.55	7,751.63	130.93	60.205		
13,100.00	7,321.00	16,905.00	6,998.53	171.44	271.34	-46.18	-5,832.28	-14,157.21	7,782.71	7,651.83	130.88	59.464		
13,200.00	7,321.00	16,905.00	6,998.53	173.45	271.34	-46.18	-5,832.28	-14,157.21	7,682.86	7,552.03	130.83	58.722		
13,300.00	7,321.00	16,905.00	6,998.53	175.47	271.34	-46.18	-5,832.28	-14,157.21	7,583.02	7,452.24	130.79	57.980		
13,400.00	7,321.00	16,905.00	6,998.53	177.52	271.34	-46.18	-5,832.28	-14,157.21	7,483.19	7,352.45	130.74	57.238		
13,500.00	7,321.00	16,905.00	6,998.53	179.58	271.34	-46.18	-5,832.28	-14,157.21	7,383.36	7,252.67	130.69	56.495		
13,600.00	7,321.00	16,905.00	6,998.53	181.67	271.34	-46.18	-5,832.28	-14,157.21	7,283.53	7,152.89	130.64	55.752		
13,700.00	7,321.00	16,905.00	6,998.53	183.77	271.34	-46.18	-5,832.28	-14,157.21	7,183.71	7,053.12	130.59	55.009		
13,800.00	7,321.00	16,905.00	6,998.53	185.89	271.34	-46.18	-5,832.28	-14,157.21	7,083.90	6,953.35	130.54	54.266		
13,900.00	7,321.00	16,905.00	6,998.53	188.02	271.34	-46.18	-5,832.28	-14,157.21	6,984.09	6,853.60	130.49	53.522		
14,000.00	7,321.00	16,905.00	6,998.53	190.18	271.34	-46.18	-5,832.28	-14,157.21	6,884.28	6,753.84	130.44	52.778		
14,100.00	7,321.00	16,905.00	6,998.53	192.35	271.34	-46.18	-5,832.28	-14,157.21	6,784.48	6,654.09	130.39	52.034		
14,200.00	7,321.00	16,905.00	6,998.53	194.53	271.34	-46.18	-5,832.28	-14,157.21	6,684.69	6,554.35	130.33	51.289		
14,300.00	7,321.00	16,905.00	6,998.53	196.73	271.34	-46.18	-5,832.28	-14,157.21	6,584.90	6,454.62	130.28	50.544		
14,400.00	7,321.00	16,905.00	6,998.53	198.95	271.34	-46.18	-5,832.28	-14,157.21	6,485.12	6,354.89	130.23	49.798		
14,500.00	7,321.00	16,905.00	6,998.53	201.17	271.34	-46.18	-5,832.28	-14,157.21	6,385.35	6,255.17	130.17	49.053		
14,600.00	7,321.00	16,905.00	6,998.53	203.42	271.34	-46.18	-5,832.28	-14,157.21	6,285.58	6,155.46	130.12	48.307		
14,700.00	7,321.00	16,905.00	6,998.53	205.67	271.34	-46.18	-5,832.28	-14,157.21	6,185.82	6,055.76	130.06	47.560		
14,800.00	7,321.00	16,905.00	6,998.53	207.94	271.34	-46.18	-5,832.28	-14,157.21	6,086.07	5,956.06	130.01	46.813		
14,900.00	7,321.00	16,905.00	6,998.53	210.22	271.34	-46.18	-5,832.28	-14,157.21	5,986.33	5,856.37	129.95	46.066		
15,000.00	7,321.00	16,905.00	6,998.53	212.51	271.34	-46.18	-5,832.28	-14,157.21	5,886.59	5,756.70	129.90	45.318		
15,100.00	7,321.00	16,905.00	6,998.53	214.81	271.34	-46.18	-5,832.28	-14,157.21	5,786.87	5,657.03	129.84	44.569		
15,200.00	7,321.00	16,905.00	6,998.53	217.12	271.34	-46.18	-5,832.28	-14,157.21	5,687.15	5,557.37	129.78	43.820		
15,300.00	7,321.00	16,905.00	6,998.53	219.45	271.34	-46.18	-5,832.28	-14,157.21	5,587.45	5,457.72	129.73	43.071		
15,400.00	7,321.00	16,905.00	6,998.53	221.78	271.34	-46.18	-5,832.28	-14,157.21	5,487.75	5,358.08	129.67	42.321		
15,500.00	7,321.00	16,905.00	6,998.53	224.13	271.34	-46.18	-5,832.28	-14,157.21	5,388.07	5,258.45	129.61	41.570		
15,600.00	7,321.00	16,905.00	6,998.53	226.48	271.34	-46.18	-5,832.28	-14,157.21	5,288.40	5,158.84	129.56	40.819		
15,700.00	7,321.00	16,905.00	6,998.53	228.85	271.34	-46.18	-5,832.28	-14,157.21	5,188.74	5,059.24	129.50	40.067		
15,800.00	7,321.00	16,905.00	6,998.53	231.22	271.34	-46.18	-5,832.28	-14,157.21	5,089.09	4,959.65	129.45	39.315		
15,900.00	7,321.00	16,905.00	6,998.53	233.60	271.34	-46.18	-5,832.28	-14,157.21	4,989.46	4,860.07	129.39	38.561		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
16,000.00	7,321.00	16,905.00	6,998.53	235.99	271.34	-46.18	-5,832.28	-14,157.21	4,889.85	4,760.51	129.34	37.807		
16,100.00	7,321.00	16,905.00	6,998.53	238.39	271.34	-46.18	-5,832.28	-14,157.21	4,790.25	4,660.96	129.28	37.052		
16,200.00	7,321.00	16,905.00	6,998.53	240.79	271.34	-46.18	-5,832.28	-14,157.21	4,690.66	4,561.43	129.23	36.297		
16,300.00	7,321.00	16,905.00	6,998.53	243.21	271.34	-46.18	-5,832.28	-14,157.21	4,591.10	4,461.92	129.18	35.540		
16,400.00	7,321.00	16,905.00	6,998.53	245.63	271.34	-46.18	-5,832.28	-14,157.21	4,491.55	4,362.42	129.13	34.782		
16,500.00	7,321.00	16,905.00	6,998.53	248.06	271.34	-46.18	-5,832.28	-14,157.21	4,392.03	4,262.94	129.09	34.023		
16,600.00	7,321.00	16,905.00	6,998.53	250.49	271.34	-46.18	-5,832.28	-14,157.21	4,292.53	4,163.48	129.05	33.263		
16,700.00	7,321.00	16,905.00	6,998.53	252.93	271.34	-46.18	-5,832.28	-14,157.21	4,193.05	4,064.04	129.01	32.502		
16,800.00	7,321.00	16,905.00	6,998.53	255.38	271.34	-46.18	-5,832.28	-14,157.21	4,093.59	3,964.62	128.97	31.740		
16,900.00	7,321.00	16,905.00	6,998.53	257.84	271.34	-46.18	-5,832.28	-14,157.21	3,994.17	3,865.23	128.94	30.976		
17,000.00	7,321.00	16,905.00	6,998.53	260.30	271.34	-46.18	-5,832.28	-14,157.21	3,894.77	3,765.85	128.92	30.211		
17,100.00	7,321.00	16,905.00	6,998.53	262.76	271.34	-46.18	-5,832.28	-14,157.21	3,795.40	3,666.51	128.90	29.445		
17,200.00	7,321.00	16,905.00	6,998.53	265.24	271.34	-46.18	-5,832.28	-14,157.21	3,696.07	3,567.19	128.89	28.677		
17,300.00	7,321.00	16,905.00	6,998.53	267.72	271.34	-46.18	-5,832.28	-14,157.21	3,596.78	3,467.89	128.89	27.907		
17,400.00	7,321.00	16,905.00	6,998.53	270.20	271.34	-46.18	-5,832.28	-14,157.21	3,497.53	3,368.63	128.90	27.135		
17,500.00	7,321.00	16,905.00	6,998.53	272.69	271.34	-46.18	-5,832.28	-14,157.21	3,398.32	3,269.40	128.92	26.361		
17,600.00	7,321.00	16,905.00	6,998.53	275.18	271.34	-46.18	-5,832.28	-14,157.21	3,299.15	3,170.20	128.95	25.585		
17,700.00	7,321.00	16,905.00	6,998.53	277.68	271.34	-46.18	-5,832.28	-14,157.21	3,200.04	3,071.04	129.00	24.806		
17,800.00	7,321.00	16,905.00	6,998.53	280.19	271.34	-44.53	-5,832.28	-14,157.21	3,100.99	2,971.91	129.07	24.025		
17,900.00	7,321.00	16,905.00	6,998.53	282.71	271.34	-32.25	-5,832.28	-14,157.21	3,001.79	2,872.60	129.19	23.235		
18,000.00	7,321.00	16,905.00	6,998.53	285.26	271.34	-16.12	-5,832.28	-14,157.21	2,902.42	2,773.05	129.37	22.436		
18,100.00	7,321.00	16,905.00	6,998.53	287.83	271.34	2.38	-5,832.28	-14,157.21	2,802.98	2,673.39	129.59	21.629		
18,200.00	7,321.00	16,905.00	6,998.53	290.41	271.34	19.82	-5,832.28	-14,157.21	2,703.61	2,573.73	129.87	20.817		
18,300.00	7,321.00	16,905.00	6,998.53	293.00	271.34	31.01	-5,832.28	-14,157.21	2,604.42	2,474.19	130.22	20.000		
18,400.00	7,321.00	16,905.00	6,998.53	295.59	271.34	31.01	-5,832.28	-14,157.21	2,505.36	2,374.73	130.62	19.180		
18,500.00	7,321.00	16,905.00	6,998.53	298.19	271.34	31.01	-5,832.28	-14,157.21	2,406.37	2,275.30	131.07	18.359		
18,600.00	7,321.00	16,905.00	6,998.53	300.78	271.34	31.01	-5,832.28	-14,157.21	2,307.48	2,175.90	131.58	17.536		
18,700.00	7,321.00	16,905.00	6,998.53	303.38	271.34	31.01	-5,832.28	-14,157.21	2,208.68	2,076.52	132.16	16.712		
18,800.00	7,321.00	16,905.00	6,998.53	305.98	271.34	31.01	-5,832.28	-14,157.21	2,110.00	1,977.18	132.82	15.886		
18,900.00	7,321.00	16,905.00	6,998.53	308.58	271.34	31.01	-5,832.28	-14,157.21	2,011.45	1,877.87	133.59	15.057		
19,000.00	7,321.00	16,905.00	6,998.53	311.18	271.34	31.01	-5,832.28	-14,157.21	1,913.05	1,778.57	134.48	14.226		
19,100.00	7,321.00	16,905.00	6,998.53	313.78	271.34	31.01	-5,832.28	-14,157.21	1,814.83	1,679.30	135.53	13.391		
19,200.00	7,321.00	16,905.00	6,998.53	316.39	271.34	31.01	-5,832.28	-14,157.21	1,716.80	1,580.03	136.77	12.552		
19,300.00	7,321.00	16,905.00	6,998.53	318.99	271.34	31.01	-5,832.28	-14,157.21	1,619.03	1,480.76	138.27	11.709		
19,400.00	7,321.00	16,905.00	6,998.53	321.60	271.34	31.01	-5,832.28	-14,157.21	1,521.53	1,381.44	140.09	10.861		
19,500.00	7,321.00	16,905.00	6,998.53	324.21	271.34	30.22	-5,832.28	-14,157.21	1,424.39	1,282.05	142.34	10.007		
19,600.00	7,321.00	16,905.00	6,998.53	326.81	271.34	23.12	-5,832.28	-14,157.21	1,327.41	1,182.54	144.87	9.163		
19,700.00	7,321.00	16,905.00	6,998.53	329.42	271.34	15.78	-5,832.28	-14,157.21	1,230.55	1,083.09	147.46	8.345		
19,800.00	7,321.00	16,905.00	6,998.53	332.01	271.34	8.50	-5,832.28	-14,157.21	1,133.97	983.96	150.02	7.559		
19,900.00	7,321.00	16,905.00	6,998.53	334.60	271.34	1.60	-5,832.28	-14,157.21	1,037.89	885.47	152.42	6.809		
20,000.00	7,321.00	16,905.00	6,998.53	337.16	271.34	-4.69	-5,832.28	-14,157.21	942.60	788.01	154.58	6.098		
20,100.00	7,321.00	16,905.00	6,998.53	339.72	271.34	-5.37	-5,832.28	-14,157.21	848.42	691.65	156.78	5.412		
20,200.00	7,321.00	16,905.00	6,998.53	342.28	271.34	-5.37	-5,832.28	-14,157.21	755.75	596.15	159.60	4.735		
20,300.00	7,321.00	16,905.00	6,998.53	344.84	271.34	-5.37	-5,832.28	-14,157.21	665.20	501.89	163.31	4.073		
20,400.00	7,321.00	16,905.00	6,998.53	347.40	271.34	-5.37	-5,832.28	-14,157.21	577.78	409.50	168.28	3.433		
20,500.00	7,321.00	16,905.00	6,998.53	349.97	271.34	-5.37	-5,832.28	-14,157.21	495.15	320.14	175.01	2.829		
20,540.60	7,321.00	16,905.00	6,998.53	351.01	271.34	-5.37	-5,832.28	-14,157.21	463.55	285.17	178.38	2.599 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-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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 6 - Wellbore #1 - Wellbore #1													Offset Site Error:	0.00 usft
Survey Program: 1662-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,900.00	7,321.00	17,004.00	7,125.88	133.87	269.94	-75.42	-6,182.03	-14,198.62	10,035.51	9,901.33	134.18	74.791		
11,000.00	7,321.00	17,004.00	7,125.88	135.26	269.94	-75.42	-6,182.03	-14,198.62	9,935.75	9,801.62	134.13	74.078		
11,100.00	7,321.00	17,004.00	7,125.88	136.68	269.94	-75.42	-6,182.03	-14,198.62	9,835.99	9,701.92	134.07	73.365		
11,200.00	7,321.00	17,004.00	7,125.88	138.14	269.94	-75.42	-6,182.03	-14,198.62	9,736.23	9,602.22	134.01	72.652		
11,300.00	7,321.00	17,004.00	7,125.88	139.63	269.94	-75.42	-6,182.03	-14,198.62	9,636.48	9,502.52	133.96	71.938		
11,400.00	7,321.00	17,004.00	7,125.88	141.15	269.94	-75.42	-6,182.03	-14,198.62	9,536.74	9,402.84	133.90	71.224		
11,500.00	7,321.00	17,004.00	7,125.88	142.70	269.94	-75.42	-6,182.03	-14,198.62	9,437.00	9,303.15	133.84	70.509		
11,600.00	7,321.00	17,004.00	7,125.88	144.29	269.94	-75.42	-6,182.03	-14,198.62	9,337.26	9,203.48	133.78	69.794		
11,700.00	7,321.00	17,004.00	7,125.88	145.91	269.94	-75.42	-6,182.03	-14,198.62	9,237.53	9,103.81	133.73	69.078		
11,800.00	7,321.00	17,004.00	7,125.88	147.55	269.94	-75.42	-6,182.03	-14,198.62	9,137.81	9,004.14	133.67	68.362		
11,900.00	7,321.00	17,004.00	7,125.88	149.23	269.94	-75.42	-6,182.03	-14,198.62	9,038.09	8,904.48	133.61	67.645		
12,000.00	7,321.00	17,004.00	7,125.88	150.93	269.94	-75.42	-6,182.03	-14,198.62	8,938.38	8,804.83	133.55	66.928		
12,100.00	7,321.00	17,004.00	7,125.88	152.67	269.94	-75.42	-6,182.03	-14,198.62	8,838.68	8,705.19	133.49	66.211		
12,200.00	7,321.00	17,004.00	7,125.88	154.43	269.94	-75.42	-6,182.03	-14,198.62	8,738.98	8,605.55	133.43	65.493		
12,300.00	7,321.00	17,004.00	7,125.88	156.22	269.94	-75.42	-6,182.03	-14,198.62	8,639.29	8,505.92	133.38	64.774		
12,400.00	7,321.00	17,004.00	7,125.88	158.04	269.94	-75.42	-6,182.03	-14,198.62	8,539.61	8,406.29	133.32	64.055		
12,500.00	7,321.00	17,004.00	7,125.88	159.88	269.94	-75.42	-6,182.03	-14,198.62	8,439.94	8,306.68	133.26	63.336		
12,600.00	7,321.00	17,004.00	7,125.88	161.75	269.94	-75.42	-6,182.03	-14,198.62	8,340.27	8,207.07	133.20	62.615		
12,700.00	7,321.00	17,004.00	7,125.88	163.64	269.94	-75.42	-6,182.03	-14,198.62	8,240.61	8,107.47	133.14	61.895		
12,800.00	7,321.00	17,004.00	7,125.88	165.56	269.94	-75.42	-6,182.03	-14,198.62	8,140.96	8,007.88	133.08	61.173		
12,900.00	7,321.00	17,004.00	7,125.88	167.49	269.94	-75.42	-6,182.03	-14,198.62	8,041.32	7,908.29	133.02	60.451		
13,000.00	7,321.00	17,004.00	7,125.88	169.46	269.94	-75.42	-6,182.03	-14,198.62	7,941.68	7,808.72	132.96	59.729		
13,100.00	7,321.00	17,004.00	7,125.88	171.44	269.94	-75.42	-6,182.03	-14,198.62	7,842.06	7,709.16	132.90	59.006		
13,200.00	7,321.00	17,004.00	7,125.88	173.45	269.94	-75.42	-6,182.03	-14,198.62	7,742.44	7,609.60	132.85	58.282		
13,300.00	7,321.00	17,004.00	7,125.88	175.47	269.94	-75.42	-6,182.03	-14,198.62	7,642.84	7,510.05	132.79	57.557		
13,400.00	7,321.00	17,004.00	7,125.88	177.52	269.94	-75.42	-6,182.03	-14,198.62	7,543.25	7,410.52	132.73	56.832		
13,500.00	7,321.00	17,004.00	7,125.88	179.58	269.94	-75.42	-6,182.03	-14,198.62	7,443.66	7,310.99	132.67	56.106		
13,600.00	7,321.00	17,004.00	7,125.88	181.67	269.94	-75.42	-6,182.03	-14,198.62	7,344.09	7,211.48	132.61	55.380		
13,700.00	7,321.00	17,004.00	7,125.88	183.77	269.94	-75.42	-6,182.03	-14,198.62	7,244.53	7,111.98	132.56	54.652		
13,800.00	7,321.00	17,004.00	7,125.88	185.89	269.94	-75.42	-6,182.03	-14,198.62	7,144.99	7,012.48	132.50	53.924		
13,900.00	7,321.00	17,004.00	7,125.88	188.02	269.94	-75.42	-6,182.03	-14,198.62	7,045.45	6,913.01	132.45	53.195		
14,000.00	7,321.00	17,004.00	7,125.88	190.18	269.94	-75.42	-6,182.03	-14,198.62	6,945.93	6,813.54	132.39	52.465		
14,100.00	7,321.00	17,004.00	7,125.88	192.35	269.94	-75.42	-6,182.03	-14,198.62	6,846.42	6,714.09	132.34	51.735		
14,200.00	7,321.00	17,004.00	7,125.88	194.53	269.94	-75.42	-6,182.03	-14,198.62	6,746.93	6,614.65	132.28	51.003		
14,300.00	7,321.00	17,004.00	7,125.88	196.73	269.94	-75.42	-6,182.03	-14,198.62	6,647.45	6,515.22	132.23	50.271		
14,400.00	7,321.00	17,004.00	7,125.88	198.95	269.94	-75.42	-6,182.03	-14,198.62	6,547.99	6,415.81	132.18	49.537		
14,500.00	7,321.00	17,004.00	7,125.88	201.17	269.94	-75.42	-6,182.03	-14,198.62	6,448.55	6,316.41	132.13	48.803		
14,600.00	7,321.00	17,004.00	7,125.88	203.42	269.94	-75.42	-6,182.03	-14,198.62	6,349.12	6,217.03	132.09	48.068		
14,700.00	7,321.00	17,004.00	7,125.88	205.67	269.94	-75.42	-6,182.03	-14,198.62	6,249.71	6,117.67	132.04	47.331		
14,800.00	7,321.00	17,004.00	7,125.88	207.94	269.94	-75.42	-6,182.03	-14,198.62	6,150.32	6,018.32	132.00	46.593		
14,900.00	7,321.00	17,004.00	7,125.88	210.22	269.94	-75.42	-6,182.03	-14,198.62	6,050.95	5,918.99	131.96	45.855		
15,000.00	7,321.00	17,004.00	7,125.88	212.51	269.94	-75.42	-6,182.03	-14,198.62	5,951.60	5,819.68	131.92	45.115		
15,100.00	7,321.00	17,004.00	7,125.88	214.81	269.94	-75.42	-6,182.03	-14,198.62	5,852.28	5,720.39	131.89	44.373		
15,200.00	7,321.00	17,004.00	7,125.88	217.12	269.94	-75.42	-6,182.03	-14,198.62	5,752.97	5,621.12	131.86	43.631		
15,300.00	7,321.00	17,004.00	7,125.88	219.45	269.94	-75.42	-6,182.03	-14,198.62	5,653.69	5,521.87	131.83	42.887		
15,400.00	7,321.00	17,004.00	7,125.88	221.78	269.94	-75.42	-6,182.03	-14,198.62	5,554.44	5,422.64	131.81	42.141		
15,500.00	7,321.00	17,004.00	7,125.88	224.13	269.94	-75.42	-6,182.03	-14,198.62	5,455.22	5,323.43	131.79	41.394		
15,600.00	7,321.00	17,004.00	7,125.88	226.48	269.94	-75.42	-6,182.03	-14,198.62	5,356.02	5,224.24	131.78	40.645		
15,700.00	7,321.00	17,004.00	7,125.88	228.85	269.94	-75.42	-6,182.03	-14,198.62	5,256.85	5,125.09	131.77	39.895		
15,800.00	7,321.00	17,004.00	7,125.88	231.22	269.94	-75.42	-6,182.03	-14,198.62	5,157.72	5,025.95	131.77	39.142		
15,900.00	7,321.00	17,004.00	7,125.88	233.60	269.94	-75.42	-6,182.03	-14,198.62	5,058.62	4,926.84	131.78	38.388		
16,000.00	7,321.00	17,004.00	7,125.88	235.99	269.94	-75.42	-6,182.03	-14,198.62	4,959.56	4,827.76	131.79	37.632		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
16,100.00	7,321.00	17,004.00	7,125.88	238.39	269.94	-75.42	-6,182.03	-14,198.62	4,860.53	4,728.71	131.82	36.873		
16,200.00	7,321.00	17,004.00	7,125.88	240.79	269.94	-75.42	-6,182.03	-14,198.62	4,761.55	4,629.69	131.85	36.113		
16,300.00	7,321.00	17,004.00	7,125.88	243.21	269.94	-75.42	-6,182.03	-14,198.62	4,662.61	4,530.70	131.90	35.349		
16,400.00	7,321.00	17,004.00	7,125.88	245.63	269.94	-75.42	-6,182.03	-14,198.62	4,563.71	4,431.75	131.96	34.583		
16,500.00	7,321.00	17,004.00	7,125.88	248.06	269.94	-75.42	-6,182.03	-14,198.62	4,464.86	4,332.83	132.04	33.815		
16,600.00	7,321.00	17,004.00	7,125.88	250.49	269.94	-75.42	-6,182.03	-14,198.62	4,366.07	4,233.94	132.13	33.043		
16,700.00	7,321.00	17,004.00	7,125.88	252.93	269.94	-75.42	-6,182.03	-14,198.62	4,267.33	4,135.09	132.25	32.268		
16,800.00	7,321.00	17,004.00	7,125.88	255.38	269.94	-75.42	-6,182.03	-14,198.62	4,168.66	4,036.27	132.38	31.489		
16,900.00	7,321.00	17,004.00	7,125.88	257.84	269.94	-75.42	-6,182.03	-14,198.62	4,070.04	3,937.50	132.54	30.707		
17,000.00	7,321.00	17,004.00	7,125.88	260.30	269.94	-75.42	-6,182.03	-14,198.62	3,971.50	3,838.77	132.74	29.920		
17,100.00	7,321.00	17,004.00	7,125.88	262.76	269.94	-75.42	-6,182.03	-14,198.62	3,873.03	3,740.07	132.96	29.129		
17,200.00	7,321.00	17,004.00	7,125.88	265.24	269.94	-75.42	-6,182.03	-14,198.62	3,774.65	3,641.42	133.22	28.333		
17,300.00	7,321.00	17,004.00	7,125.88	267.72	269.94	-75.42	-6,182.03	-14,198.62	3,676.34	3,542.82	133.53	27.532		
17,400.00	7,321.00	17,004.00	7,125.88	270.20	269.94	-75.42	-6,182.03	-14,198.62	3,578.14	3,444.25	133.89	26.725		
17,500.00	7,321.00	17,004.00	7,125.88	272.69	269.94	-75.42	-6,182.03	-14,198.62	3,480.03	3,345.73	134.30	25.912		
17,600.00	7,321.00	17,004.00	7,125.88	275.18	269.94	-75.42	-6,182.03	-14,198.62	3,382.04	3,247.25	134.79	25.091		
17,700.00	7,321.00	17,004.00	7,125.88	277.68	269.94	-75.42	-6,182.03	-14,198.62	3,284.17	3,148.81	135.36	24.263		
17,800.00	7,321.00	17,004.00	7,125.88	280.19	269.94	-75.04	-6,182.03	-14,198.62	3,186.42	3,050.40	136.02	23.427		
17,900.00	7,321.00	17,004.00	7,125.88	282.71	269.94	-72.22	-6,182.03	-14,198.62	3,088.36	2,951.65	136.71	22.590		
18,000.00	7,321.00	17,004.00	7,125.88	285.26	269.94	-68.29	-6,182.03	-14,198.62	2,989.80	2,852.41	137.39	21.761		
18,100.00	7,321.00	17,004.00	7,125.88	287.83	269.94	-62.50	-6,182.03	-14,198.62	2,890.82	2,752.79	138.03	20.943		
18,200.00	7,321.00	17,004.00	7,125.88	290.41	269.94	-53.44	-6,182.03	-14,198.62	2,791.50	2,652.90	138.60	20.140		
18,300.00	7,321.00	17,004.00	7,125.88	293.00	269.94	-42.44	-6,182.03	-14,198.62	2,691.93	2,552.86	139.08	19.356		
18,400.00	7,321.00	17,004.00	7,125.88	295.59	269.94	-42.44	-6,182.03	-14,198.62	2,592.32	2,452.78	139.54	18.577		
18,500.00	7,321.00	17,004.00	7,125.88	298.19	269.94	-42.44	-6,182.03	-14,198.62	2,492.74	2,352.69	140.06	17.798		
18,600.00	7,321.00	17,004.00	7,125.88	300.78	269.94	-42.44	-6,182.03	-14,198.62	2,393.20	2,252.58	140.63	17.018		
18,700.00	7,321.00	17,004.00	7,125.88	303.38	269.94	-42.44	-6,182.03	-14,198.62	2,293.70	2,152.44	141.25	16.238		
18,800.00	7,321.00	17,004.00	7,125.88	305.98	269.94	-42.44	-6,182.03	-14,198.62	2,194.24	2,052.29	141.95	15.457		
18,900.00	7,321.00	17,004.00	7,125.88	308.58	269.94	-42.44	-6,182.03	-14,198.62	2,094.83	1,952.09	142.74	14.676		
19,000.00	7,321.00	17,004.00	7,125.88	311.18	269.94	-42.44	-6,182.03	-14,198.62	1,995.49	1,851.86	143.63	13.893		
19,100.00	7,321.00	17,004.00	7,125.88	313.78	269.94	-42.44	-6,182.03	-14,198.62	1,896.21	1,751.57	144.64	13.110		
19,200.00	7,321.00	17,004.00	7,125.88	316.39	269.94	-42.44	-6,182.03	-14,198.62	1,797.01	1,651.21	145.80	12.325		
19,300.00	7,321.00	17,004.00	7,125.88	318.99	269.94	-42.44	-6,182.03	-14,198.62	1,697.90	1,550.77	147.13	11.540		
19,400.00	7,321.00	17,004.00	7,125.88	321.60	269.94	-42.44	-6,182.03	-14,198.62	1,598.91	1,450.21	148.70	10.753		
19,500.00	7,321.00	17,004.00	7,125.88	324.21	269.94	-43.51	-6,182.03	-14,198.62	1,500.05	1,349.51	150.54	9.964		
19,600.00	7,321.00	17,004.00	7,125.88	326.81	269.94	-51.09	-6,182.03	-14,198.62	1,401.63	1,248.54	153.09	9.156		
19,700.00	7,321.00	17,004.00	7,125.88	329.42	269.94	-56.43	-6,182.03	-14,198.62	1,304.01	1,147.16	156.85	8.314		
19,800.00	7,321.00	17,004.00	7,125.88	332.01	269.94	-60.29	-6,182.03	-14,198.62	1,207.53	1,045.15	162.38	7.437		
19,900.00	7,321.00	17,004.00	7,125.88	334.60	269.94	-63.15	-6,182.03	-14,198.62	1,112.62	942.12	170.50	6.525		
20,000.00	7,321.00	17,004.00	7,125.88	337.16	269.94	-65.32	-6,182.03	-14,198.62	1,019.85	837.43	182.42	5.591		
20,100.00	7,321.00	17,004.00	7,125.88	339.72	269.94	-65.54	-6,182.03	-14,198.62	929.41	730.26	199.15	4.667		
20,200.00	7,321.00	17,004.00	7,125.88	342.28	269.94	-65.54	-6,182.03	-14,198.62	841.16	619.83	221.33	3.800		
20,300.00	7,321.00	17,004.00	7,125.88	344.84	269.94	-65.54	-6,182.03	-14,198.62	755.84	505.56	250.28	3.020		
20,400.00	7,321.00	17,004.00	7,125.88	347.40	269.94	-65.54	-6,182.03	-14,198.62	674.56	387.15	287.41	2.347		
20,500.00	7,321.00	17,004.00	7,125.88	349.97	269.94	-65.54	-6,182.03	-14,198.62	598.97	265.01	333.96	1.794		
20,540.60	7,321.00	17,004.00	7,125.88	351.01	269.94	-65.54	-6,182.03	-14,198.62	570.43	214.75	355.68	1.604 CC, ES, SF		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
10,800.00	7,321.00	17,100.00	7,247.03	132.51	270.51	-86.15	-6,277.66	-14,161.80	10,103.96	9,969.58	134.38	75.192		
10,900.00	7,321.00	17,100.00	7,247.03	133.87	270.51	-86.15	-6,277.66	-14,161.80	10,004.24	9,869.93	134.31	74.487		
11,000.00	7,321.00	17,100.00	7,247.03	135.26	270.51	-86.15	-6,277.66	-14,161.80	9,904.54	9,770.29	134.24	73.781		
11,100.00	7,321.00	17,100.00	7,247.03	136.68	270.51	-86.15	-6,277.66	-14,161.80	9,804.83	9,670.66	134.18	73.075		
11,200.00	7,321.00	17,100.00	7,247.03	138.14	270.51	-86.15	-6,277.66	-14,161.80	9,705.14	9,571.03	134.11	72.368		
11,300.00	7,321.00	17,100.00	7,247.03	139.63	270.51	-86.15	-6,277.66	-14,161.80	9,605.45	9,471.41	134.04	71.661		
11,400.00	7,321.00	17,100.00	7,247.03	141.15	270.51	-86.15	-6,277.66	-14,161.80	9,505.76	9,371.79	133.97	70.953		
11,500.00	7,321.00	17,100.00	7,247.03	142.70	270.51	-86.15	-6,277.66	-14,161.80	9,406.08	9,272.18	133.90	70.245		
11,600.00	7,321.00	17,100.00	7,247.03	144.29	270.51	-86.15	-6,277.66	-14,161.80	9,306.41	9,172.58	133.84	69.536		
11,700.00	7,321.00	17,100.00	7,247.03	145.91	270.51	-86.15	-6,277.66	-14,161.80	9,206.75	9,072.98	133.77	68.827		
11,800.00	7,321.00	17,100.00	7,247.03	147.55	270.51	-86.15	-6,277.66	-14,161.80	9,107.10	8,973.40	133.70	68.117		
11,900.00	7,321.00	17,100.00	7,247.03	149.23	270.51	-86.15	-6,277.66	-14,161.80	9,007.45	8,873.82	133.63	67.406		
12,000.00	7,321.00	17,100.00	7,247.03	150.93	270.51	-86.15	-6,277.66	-14,161.80	8,907.81	8,774.25	133.56	66.695		
12,100.00	7,321.00	17,100.00	7,247.03	152.67	270.51	-86.15	-6,277.66	-14,161.80	8,808.17	8,674.68	133.49	65.984		
12,200.00	7,321.00	17,100.00	7,247.03	154.43	270.51	-86.15	-6,277.66	-14,161.80	8,708.55	8,575.13	133.42	65.271		
12,300.00	7,321.00	17,100.00	7,247.03	156.22	270.51	-86.15	-6,277.66	-14,161.80	8,608.94	8,475.59	133.35	64.558		
12,400.00	7,321.00	17,100.00	7,247.03	158.04	270.51	-86.15	-6,277.66	-14,161.80	8,509.33	8,376.05	133.28	63.845		
12,500.00	7,321.00	17,100.00	7,247.03	159.88	270.51	-86.15	-6,277.66	-14,161.80	8,409.73	8,276.52	133.21	63.130		
12,600.00	7,321.00	17,100.00	7,247.03	161.75	270.51	-86.15	-6,277.66	-14,161.80	8,310.15	8,177.00	133.14	62.416		
12,700.00	7,321.00	17,100.00	7,247.03	163.64	270.51	-86.15	-6,277.66	-14,161.80	8,210.57	8,077.50	133.07	61.700		
12,800.00	7,321.00	17,100.00	7,247.03	165.56	270.51	-86.15	-6,277.66	-14,161.80	8,111.00	7,978.00	133.00	60.983		
12,900.00	7,321.00	17,100.00	7,247.03	167.49	270.51	-86.15	-6,277.66	-14,161.80	8,011.45	7,878.51	132.93	60.266		
13,000.00	7,321.00	17,100.00	7,247.03	169.46	270.51	-86.15	-6,277.66	-14,161.80	7,911.90	7,779.04	132.86	59.548		
13,100.00	7,321.00	17,100.00	7,247.03	171.44	270.51	-86.15	-6,277.66	-14,161.80	7,812.37	7,679.58	132.80	58.830		
13,200.00	7,321.00	17,100.00	7,247.03	173.45	270.51	-86.15	-6,277.66	-14,161.80	7,712.85	7,580.12	132.73	58.110		
13,300.00	7,321.00	17,100.00	7,247.03	175.47	270.51	-86.15	-6,277.66	-14,161.80	7,613.34	7,480.68	132.66	57.390		
13,400.00	7,321.00	17,100.00	7,247.03	177.52	270.51	-86.15	-6,277.66	-14,161.80	7,513.85	7,381.26	132.59	56.669		
13,500.00	7,321.00	17,100.00	7,247.03	179.58	270.51	-86.15	-6,277.66	-14,161.80	7,414.37	7,281.84	132.52	55.947		
13,600.00	7,321.00	17,100.00	7,247.03	181.67	270.51	-86.15	-6,277.66	-14,161.80	7,314.90	7,182.44	132.46	55.224		
13,700.00	7,321.00	17,100.00	7,247.03	183.77	270.51	-86.15	-6,277.66	-14,161.80	7,215.45	7,083.05	132.39	54.500		
13,800.00	7,321.00	17,100.00	7,247.03	185.89	270.51	-86.15	-6,277.66	-14,161.80	7,116.01	6,983.68	132.33	53.776		
13,900.00	7,321.00	17,100.00	7,247.03	188.02	270.51	-86.15	-6,277.66	-14,161.80	7,016.59	6,884.32	132.26	53.050		
14,000.00	7,321.00	17,100.00	7,247.03	190.18	270.51	-86.15	-6,277.66	-14,161.80	6,917.18	6,784.98	132.20	52.323		
14,100.00	7,321.00	17,100.00	7,247.03	192.35	270.51	-86.15	-6,277.66	-14,161.80	6,817.80	6,685.66	132.14	51.595		
14,200.00	7,321.00	17,100.00	7,247.03	194.53	270.51	-86.15	-6,277.66	-14,161.80	6,718.43	6,586.35	132.08	50.866		
14,300.00	7,321.00	17,100.00	7,247.03	196.73	270.51	-86.15	-6,277.66	-14,161.80	6,619.08	6,487.06	132.02	50.136		
14,400.00	7,321.00	17,100.00	7,247.03	198.95	270.51	-86.15	-6,277.66	-14,161.80	6,519.75	6,387.78	131.97	49.405		
14,500.00	7,321.00	17,100.00	7,247.03	201.17	270.51	-86.15	-6,277.66	-14,161.80	6,420.44	6,288.53	131.91	48.672		
14,600.00	7,321.00	17,100.00	7,247.03	203.42	270.51	-86.15	-6,277.66	-14,161.80	6,321.15	6,189.29	131.86	47.938		
14,700.00	7,321.00	17,100.00	7,247.03	205.67	270.51	-86.15	-6,277.66	-14,161.80	6,221.89	6,090.08	131.81	47.203		
14,800.00	7,321.00	17,100.00	7,247.03	207.94	270.51	-86.15	-6,277.66	-14,161.80	6,122.65	5,990.88	131.76	46.466		
14,900.00	7,321.00	17,100.00	7,247.03	210.22	270.51	-86.15	-6,277.66	-14,161.80	6,023.43	5,891.71	131.72	45.728		
15,000.00	7,321.00	17,100.00	7,247.03	212.51	270.51	-86.15	-6,277.66	-14,161.80	5,924.24	5,792.56	131.68	44.989		
15,100.00	7,321.00	17,100.00	7,247.03	214.81	270.51	-86.15	-6,277.66	-14,161.80	5,825.08	5,693.43	131.65	44.248		
15,200.00	7,321.00	17,100.00	7,247.03	217.12	270.51	-86.15	-6,277.66	-14,161.80	5,725.95	5,594.33	131.62	43.505		
15,300.00	7,321.00	17,100.00	7,247.03	219.45	270.51	-86.15	-6,277.66	-14,161.80	5,626.85	5,495.25	131.59	42.760		
15,400.00	7,321.00	17,100.00	7,247.03	221.78	270.51	-86.15	-6,277.66	-14,161.80	5,527.78	5,396.20	131.57	42.013		
15,500.00	7,321.00	17,100.00	7,247.03	224.13	270.51	-86.15	-6,277.66	-14,161.80	5,428.74	5,297.18	131.56	41.265		
15,600.00	7,321.00	17,100.00	7,247.03	226.48	270.51	-86.15	-6,277.66	-14,161.80	5,329.74	5,198.19	131.55	40.514		
15,700.00	7,321.00	17,100.00	7,247.03	228.85	270.51	-86.15	-6,277.66	-14,161.80	5,230.78	5,099.23	131.56	39.761		
15,800.00	7,321.00	17,100.00	7,247.03	231.22	270.51	-86.15	-6,277.66	-14,161.80	5,131.86	5,000.29	131.57	39.006		
15,900.00	7,321.00	17,100.00	7,247.03	233.60	270.51	-86.15	-6,277.66	-14,161.80	5,032.98	4,901.40	131.59	38.248		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
16,000.00	7,321.00	17,100.00	7,247.03	235.99	270.51	-86.15	-6,277.66	-14,161.80	4,934.15	4,802.53	131.62	37.488		
16,100.00	7,321.00	17,100.00	7,247.03	238.39	270.51	-86.15	-6,277.66	-14,161.80	4,835.37	4,703.70	131.67	36.724		
16,200.00	7,321.00	17,100.00	7,247.03	240.79	270.51	-86.15	-6,277.66	-14,161.80	4,736.63	4,604.91	131.73	35.958		
16,300.00	7,321.00	17,100.00	7,247.03	243.21	270.51	-86.15	-6,277.66	-14,161.80	4,637.95	4,506.15	131.80	35.189		
16,400.00	7,321.00	17,100.00	7,247.03	245.63	270.51	-86.15	-6,277.66	-14,161.80	4,539.33	4,407.43	131.90	34.415		
16,500.00	7,321.00	17,100.00	7,247.03	248.06	270.51	-86.15	-6,277.66	-14,161.80	4,440.77	4,308.76	132.01	33.639		
16,600.00	7,321.00	17,100.00	7,247.03	250.49	270.51	-86.15	-6,277.66	-14,161.80	4,342.28	4,210.12	132.15	32.858		
16,700.00	7,321.00	17,100.00	7,247.03	252.93	270.51	-86.15	-6,277.66	-14,161.80	4,243.85	4,111.53	132.32	32.072		
16,800.00	7,321.00	17,100.00	7,247.03	255.38	270.51	-86.15	-6,277.66	-14,161.80	4,145.50	4,012.98	132.52	31.282		
16,900.00	7,321.00	17,100.00	7,247.03	257.84	270.51	-86.15	-6,277.66	-14,161.80	4,047.24	3,914.48	132.75	30.487		
17,000.00	7,321.00	17,100.00	7,247.03	260.30	270.51	-86.15	-6,277.66	-14,161.80	3,949.06	3,816.03	133.03	29.686		
17,100.00	7,321.00	17,100.00	7,247.03	262.76	270.51	-86.15	-6,277.66	-14,161.80	3,850.97	3,717.62	133.35	28.879		
17,200.00	7,321.00	17,100.00	7,247.03	265.24	270.51	-86.15	-6,277.66	-14,161.80	3,752.98	3,619.26	133.72	28.065		
17,300.00	7,321.00	17,100.00	7,247.03	267.72	270.51	-86.15	-6,277.66	-14,161.80	3,655.11	3,520.94	134.16	27.244		
17,400.00	7,321.00	17,100.00	7,247.03	270.20	270.51	-86.15	-6,277.66	-14,161.80	3,557.35	3,422.67	134.67	26.415		
17,500.00	7,321.00	17,100.00	7,247.03	272.69	270.51	-86.15	-6,277.66	-14,161.80	3,459.72	3,324.45	135.27	25.576		
17,600.00	7,321.00	17,100.00	7,247.03	275.18	270.51	-86.15	-6,277.66	-14,161.80	3,362.23	3,226.26	135.96	24.729		
17,700.00	7,321.00	17,100.00	7,247.03	277.68	270.51	-86.15	-6,277.66	-14,161.80	3,264.89	3,128.11	136.78	23.870		
17,800.00	7,321.00	17,100.00	7,247.03	280.19	270.51	-86.06	-6,277.66	-14,161.80	3,167.70	3,029.98	137.72	23.001		
17,900.00	7,321.00	17,100.00	7,247.03	282.71	270.51	-85.40	-6,277.66	-14,161.80	3,070.17	2,931.45	138.73	22.131		
18,000.00	7,321.00	17,100.00	7,247.03	285.26	270.51	-84.51	-6,277.66	-14,161.80	2,972.06	2,832.34	139.72	21.272		
18,100.00	7,321.00	17,100.00	7,247.03	287.83	270.51	-83.24	-6,277.66	-14,161.80	2,873.43	2,732.77	140.66	20.428		
18,200.00	7,321.00	17,100.00	7,247.03	290.41	270.51	-81.27	-6,277.66	-14,161.80	2,774.37	2,632.84	141.52	19.604		
18,300.00	7,321.00	17,100.00	7,247.03	293.00	270.51	-78.82	-6,277.66	-14,161.80	2,674.94	2,532.67	142.27	18.802		
18,400.00	7,321.00	17,100.00	7,247.03	295.59	270.51	-78.82	-6,277.66	-14,161.80	2,575.44	2,432.42	143.02	18.007		
18,500.00	7,321.00	17,100.00	7,247.03	298.19	270.51	-78.82	-6,277.66	-14,161.80	2,475.99	2,332.12	143.87	17.210		
18,600.00	7,321.00	17,100.00	7,247.03	300.78	270.51	-78.82	-6,277.66	-14,161.80	2,376.58	2,231.76	144.81	16.411		
18,700.00	7,321.00	17,100.00	7,247.03	303.38	270.51	-78.82	-6,277.66	-14,161.80	2,277.22	2,131.33	145.88	15.610		
18,800.00	7,321.00	17,100.00	7,247.03	305.98	270.51	-78.82	-6,277.66	-14,161.80	2,177.92	2,030.82	147.09	14.806		
18,900.00	7,321.00	17,100.00	7,247.03	308.58	270.51	-78.82	-6,277.66	-14,161.80	2,078.68	1,930.21	148.48	14.000		
19,000.00	7,321.00	17,100.00	7,247.03	311.18	270.51	-78.82	-6,277.66	-14,161.80	1,979.53	1,829.46	150.07	13.191		
19,100.00	7,321.00	17,100.00	7,247.03	313.78	270.51	-78.82	-6,277.66	-14,161.80	1,880.46	1,728.55	151.91	12.379		
19,200.00	7,321.00	17,100.00	7,247.03	316.39	270.51	-78.82	-6,277.66	-14,161.80	1,781.50	1,627.43	154.06	11.563		
19,300.00	7,321.00	17,100.00	7,247.03	318.99	270.51	-78.82	-6,277.66	-14,161.80	1,682.66	1,526.06	156.59	10.745		
19,400.00	7,321.00	17,100.00	7,247.03	321.60	270.51	-78.82	-6,277.66	-14,161.80	1,583.96	1,424.36	159.60	9.925		
19,500.00	7,321.00	17,100.00	7,247.03	324.21	270.51	-79.07	-6,277.66	-14,161.80	1,485.45	1,322.24	163.20	9.102		
19,600.00	7,321.00	17,100.00	7,247.03	326.81	270.51	-80.75	-6,277.66	-14,161.80	1,387.57	1,219.49	168.08	8.255		
19,700.00	7,321.00	17,100.00	7,247.03	329.42	270.51	-81.90	-6,277.66	-14,161.80	1,290.86	1,115.80	175.06	7.374		
19,800.00	7,321.00	17,100.00	7,247.03	332.01	270.51	-82.73	-6,277.66	-14,161.80	1,195.74	1,010.82	184.92	6.466		
19,900.00	7,321.00	17,100.00	7,247.03	334.60	270.51	-83.34	-6,277.66	-14,161.80	1,102.74	904.08	198.66	5.551		
20,000.00	7,321.00	17,100.00	7,247.03	337.16	270.51	-83.81	-6,277.66	-14,161.80	1,012.59	795.07	217.52	4.655		
20,100.00	7,321.00	17,100.00	7,247.03	339.72	270.51	-83.86	-6,277.66	-14,161.80	925.53	683.32	242.21	3.821		
20,200.00	7,321.00	17,100.00	7,247.03	342.28	270.51	-83.86	-6,277.66	-14,161.80	841.37	568.47	272.90	3.083		
20,300.00	7,321.00	17,100.00	7,247.03	344.84	270.51	-83.86	-6,277.66	-14,161.80	761.04	450.50	310.54	2.451		
20,400.00	7,321.00	17,100.00	7,247.03	347.40	270.51	-83.86	-6,277.66	-14,161.80	685.91	329.99	355.91	1.927		
20,500.00	7,321.00	17,100.00	7,247.03	349.97	270.51	-83.86	-6,277.66	-14,161.80	617.87	208.72	409.15	1.510		
20,540.60	7,321.00	17,100.00	7,247.03	351.01	270.51	-83.86	-6,277.66	-14,161.80	592.83	160.10	432.73	1.370	Level 3, CC, ES, SF	

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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		
10,800.00	7,321.00	16,848.00	7,073.89	132.51	270.18	-76.80	-6,476.06	-14,154.37	10,115.78	9,977.89	137.90	73.358		
10,900.00	7,321.00	16,848.00	7,073.89	133.87	270.18	-76.80	-6,476.06	-14,154.37	10,016.26	9,878.42	137.84	72.664		
11,000.00	7,321.00	16,848.00	7,073.89	135.26	270.18	-76.80	-6,476.06	-14,154.37	9,916.75	9,778.95	137.79	71.969		
11,100.00	7,321.00	16,848.00	7,073.89	136.68	270.18	-76.80	-6,476.06	-14,154.37	9,817.24	9,679.50	137.74	71.274		
11,200.00	7,321.00	16,848.00	7,073.89	138.14	270.18	-76.80	-6,476.06	-14,154.37	9,717.75	9,580.06	137.69	70.579		
11,300.00	7,321.00	16,848.00	7,073.89	139.63	270.18	-76.80	-6,476.06	-14,154.37	9,618.27	9,480.63	137.63	69.883		
11,400.00	7,321.00	16,848.00	7,073.89	141.15	270.18	-76.80	-6,476.06	-14,154.37	9,518.79	9,381.21	137.58	69.186		
11,500.00	7,321.00	16,848.00	7,073.89	142.70	270.18	-76.80	-6,476.06	-14,154.37	9,419.33	9,281.80	137.53	68.489		
11,600.00	7,321.00	16,848.00	7,073.89	144.29	270.18	-76.80	-6,476.06	-14,154.37	9,319.88	9,182.40	137.48	67.791		
11,700.00	7,321.00	16,848.00	7,073.89	145.91	270.18	-76.80	-6,476.06	-14,154.37	9,220.45	9,083.02	137.43	67.092		
11,800.00	7,321.00	16,848.00	7,073.89	147.55	270.18	-76.80	-6,476.06	-14,154.37	9,121.02	8,983.64	137.38	66.393		
11,900.00	7,321.00	16,848.00	7,073.89	149.23	270.18	-76.80	-6,476.06	-14,154.37	9,021.61	8,884.28	137.33	65.693		
12,000.00	7,321.00	16,848.00	7,073.89	150.93	270.18	-76.80	-6,476.06	-14,154.37	8,922.21	8,784.93	137.28	64.993		
12,100.00	7,321.00	16,848.00	7,073.89	152.67	270.18	-76.80	-6,476.06	-14,154.37	8,822.82	8,685.59	137.23	64.292		
12,200.00	7,321.00	16,848.00	7,073.89	154.43	270.18	-76.80	-6,476.06	-14,154.37	8,723.45	8,586.27	137.18	63.590		
12,300.00	7,321.00	16,848.00	7,073.89	156.22	270.18	-76.80	-6,476.06	-14,154.37	8,624.09	8,486.96	137.14	62.887		
12,400.00	7,321.00	16,848.00	7,073.89	158.04	270.18	-76.80	-6,476.06	-14,154.37	8,524.75	8,387.66	137.09	62.184		
12,500.00	7,321.00	16,848.00	7,073.89	159.88	270.18	-76.80	-6,476.06	-14,154.37	8,425.42	8,288.38	137.04	61.480		
12,600.00	7,321.00	16,848.00	7,073.89	161.75	270.18	-76.80	-6,476.06	-14,154.37	8,326.11	8,189.11	137.00	60.775		
12,700.00	7,321.00	16,848.00	7,073.89	163.64	270.18	-76.80	-6,476.06	-14,154.37	8,226.82	8,089.86	136.96	60.069		
12,800.00	7,321.00	16,848.00	7,073.89	165.56	270.18	-76.80	-6,476.06	-14,154.37	8,127.54	7,990.63	136.91	59.363		
12,900.00	7,321.00	16,848.00	7,073.89	167.49	270.18	-76.80	-6,476.06	-14,154.37	8,028.28	7,891.41	136.87	58.656		
13,000.00	7,321.00	16,848.00	7,073.89	169.46	270.18	-76.80	-6,476.06	-14,154.37	7,929.04	7,792.21	136.83	57.947		
13,100.00	7,321.00	16,848.00	7,073.89	171.44	270.18	-76.80	-6,476.06	-14,154.37	7,829.82	7,693.03	136.79	57.238		
13,200.00	7,321.00	16,848.00	7,073.89	173.45	270.18	-76.80	-6,476.06	-14,154.37	7,730.62	7,593.87	136.76	56.528		
13,300.00	7,321.00	16,848.00	7,073.89	175.47	270.18	-76.80	-6,476.06	-14,154.37	7,631.44	7,494.72	136.72	55.817		
13,400.00	7,321.00	16,848.00	7,073.89	177.52	270.18	-76.80	-6,476.06	-14,154.37	7,532.29	7,395.60	136.69	55.105		
13,500.00	7,321.00	16,848.00	7,073.89	179.58	270.18	-76.80	-6,476.06	-14,154.37	7,433.15	7,296.49	136.66	54.392		
13,600.00	7,321.00	16,848.00	7,073.89	181.67	270.18	-76.80	-6,476.06	-14,154.37	7,334.04	7,197.41	136.63	53.678		
13,700.00	7,321.00	16,848.00	7,073.89	183.77	270.18	-76.80	-6,476.06	-14,154.37	7,234.95	7,098.35	136.60	52.963		
13,800.00	7,321.00	16,848.00	7,073.89	185.89	270.18	-76.80	-6,476.06	-14,154.37	7,135.89	6,999.31	136.58	52.247		
13,900.00	7,321.00	16,848.00	7,073.89	188.02	270.18	-76.80	-6,476.06	-14,154.37	7,036.85	6,900.29	136.56	51.529		
14,000.00	7,321.00	16,848.00	7,073.89	190.18	270.18	-76.80	-6,476.06	-14,154.37	6,937.84	6,801.30	136.54	50.810		
14,100.00	7,321.00	16,848.00	7,073.89	192.35	270.18	-76.80	-6,476.06	-14,154.37	6,838.87	6,702.33	136.53	50.090		
14,200.00	7,321.00	16,848.00	7,073.89	194.53	270.18	-76.80	-6,476.06	-14,154.37	6,739.92	6,603.39	136.52	49.369		
14,300.00	7,321.00	16,848.00	7,073.89	196.73	270.18	-76.80	-6,476.06	-14,154.37	6,641.00	6,504.48	136.52	48.646		
14,400.00	7,321.00	16,848.00	7,073.89	198.95	270.18	-76.80	-6,476.06	-14,154.37	6,542.11	6,405.60	136.52	47.921		
14,500.00	7,321.00	16,848.00	7,073.89	201.17	270.18	-76.80	-6,476.06	-14,154.37	6,443.26	6,306.74	136.52	47.195		
14,600.00	7,321.00	16,848.00	7,073.89	203.42	270.18	-76.80	-6,476.06	-14,154.37	6,344.45	6,207.91	136.54	46.467		
14,700.00	7,321.00	16,848.00	7,073.89	205.67	270.18	-76.80	-6,476.06	-14,154.37	6,245.67	6,109.12	136.55	45.738		
14,800.00	7,321.00	16,848.00	7,073.89	207.94	270.18	-76.80	-6,476.06	-14,154.37	6,146.94	6,010.36	136.58	45.006		
14,900.00	7,321.00	16,848.00	7,073.89	210.22	270.18	-76.80	-6,476.06	-14,154.37	6,048.24	5,911.63	136.61	44.273		
15,000.00	7,321.00	16,848.00	7,073.89	212.51	270.18	-76.80	-6,476.06	-14,154.37	5,949.59	5,812.94	136.65	43.538		
15,100.00	7,321.00	16,848.00	7,073.89	214.81	270.18	-76.80	-6,476.06	-14,154.37	5,850.99	5,714.28	136.70	42.800		
15,200.00	7,321.00	16,848.00	7,073.89	217.12	270.18	-76.80	-6,476.06	-14,154.37	5,752.43	5,615.66	136.77	42.060		
15,300.00	7,321.00	16,848.00	7,073.89	219.45	270.18	-76.80	-6,476.06	-14,154.37	5,653.92	5,517.08	136.84	41.318		
15,400.00	7,321.00	16,848.00	7,073.89	221.78	270.18	-76.80	-6,476.06	-14,154.37	5,555.47	5,418.54	136.93	40.573		
15,500.00	7,321.00	16,848.00	7,073.89	224.13	270.18	-76.80	-6,476.06	-14,154.37	5,457.07	5,320.04	137.03	39.825		
15,600.00	7,321.00	16,848.00	7,073.89	226.48	270.18	-76.80	-6,476.06	-14,154.37	5,358.73	5,221.59	137.14	39.074		
15,700.00	7,321.00	16,848.00	7,073.89	228.85	270.18	-76.80	-6,476.06	-14,154.37	5,260.46	5,123.18	137.28	38.321		
15,800.00	7,321.00	16,848.00	7,073.89	231.22	270.18	-76.80	-6,476.06	-14,154.37	5,162.25	5,024.82	137.43	37.563		
15,900.00	7,321.00	16,848.00	7,073.89	233.60	270.18	-76.80	-6,476.06	-14,154.37	5,064.11	4,926.50	137.60	36.802		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
16,000.00	7,321.00	16,848.00	7,073.89	235.99	270.18	-76.80	-6,476.06	-14,154.37	4,966.04	4,828.24	137.80	36.037		
16,100.00	7,321.00	16,848.00	7,073.89	238.39	270.18	-76.80	-6,476.06	-14,154.37	4,868.06	4,730.03	138.03	35.268		
16,200.00	7,321.00	16,848.00	7,073.89	240.79	270.18	-76.80	-6,476.06	-14,154.37	4,770.15	4,631.87	138.29	34.494		
16,300.00	7,321.00	16,848.00	7,073.89	243.21	270.18	-76.80	-6,476.06	-14,154.37	4,672.34	4,533.76	138.58	33.716		
16,400.00	7,321.00	16,848.00	7,073.89	245.63	270.18	-76.80	-6,476.06	-14,154.37	4,574.62	4,435.71	138.91	32.932		
16,500.00	7,321.00	16,848.00	7,073.89	248.06	270.18	-76.80	-6,476.06	-14,154.37	4,477.00	4,337.72	139.29	32.142		
16,600.00	7,321.00	16,848.00	7,073.89	250.49	270.18	-76.80	-6,476.06	-14,154.37	4,379.49	4,239.78	139.71	31.347		
16,700.00	7,321.00	16,848.00	7,073.89	252.93	270.18	-76.80	-6,476.06	-14,154.37	4,282.10	4,141.90	140.19	30.544		
16,800.00	7,321.00	16,848.00	7,073.89	255.38	270.18	-76.80	-6,476.06	-14,154.37	4,184.82	4,044.08	140.74	29.734		
16,900.00	7,321.00	16,848.00	7,073.89	257.84	270.18	-76.80	-6,476.06	-14,154.37	4,087.68	3,946.32	141.36	28.917		
17,000.00	7,321.00	16,848.00	7,073.89	260.30	270.18	-76.80	-6,476.06	-14,154.37	3,990.68	3,848.62	142.06	28.091		
17,100.00	7,321.00	16,848.00	7,073.89	262.76	270.18	-76.80	-6,476.06	-14,154.37	3,893.83	3,750.97	142.86	27.256		
17,200.00	7,321.00	16,848.00	7,073.89	265.24	270.18	-76.80	-6,476.06	-14,154.37	3,797.15	3,653.38	143.77	26.412		
17,300.00	7,321.00	16,848.00	7,073.89	267.72	270.18	-76.80	-6,476.06	-14,154.37	3,700.64	3,555.84	144.80	25.557		
17,400.00	7,321.00	16,848.00	7,073.89	270.20	270.18	-76.80	-6,476.06	-14,154.37	3,604.32	3,458.34	145.97	24.692		
17,500.00	7,321.00	16,848.00	7,073.89	272.69	270.18	-76.80	-6,476.06	-14,154.37	3,508.20	3,360.89	147.31	23.814		
17,600.00	7,321.00	16,848.00	7,073.89	275.18	270.18	-76.80	-6,476.06	-14,154.37	3,412.31	3,263.47	148.85	22.925		
17,700.00	7,321.00	16,848.00	7,073.89	277.68	270.18	-76.80	-6,476.06	-14,154.37	3,316.67	3,166.07	150.60	22.024		
17,800.00	7,321.00	16,848.00	7,073.89	280.19	270.18	-76.57	-6,476.06	-14,154.37	3,221.27	3,068.68	152.59	21.110		
17,900.00	7,321.00	16,848.00	7,073.89	282.71	270.18	-74.93	-6,476.06	-14,154.37	3,125.50	2,970.78	154.72	20.201		
18,000.00	7,321.00	16,848.00	7,073.89	285.26	270.18	-72.91	-6,476.06	-14,154.37	3,029.05	2,872.18	156.87	19.310		
18,100.00	7,321.00	16,848.00	7,073.89	287.83	270.18	-70.35	-6,476.06	-14,154.37	2,931.96	2,772.97	158.99	18.441		
18,200.00	7,321.00	16,848.00	7,073.89	290.41	270.18	-67.06	-6,476.06	-14,154.37	2,834.30	2,673.25	161.05	17.599		
18,300.00	7,321.00	16,848.00	7,073.89	293.00	270.18	-63.76	-6,476.06	-14,154.37	2,736.15	2,573.15	163.00	16.786		
18,400.00	7,321.00	16,848.00	7,073.89	295.59	270.18	-63.76	-6,476.06	-14,154.37	2,637.95	2,472.90	165.05	15.982		
18,500.00	7,321.00	16,848.00	7,073.89	298.19	270.18	-63.76	-6,476.06	-14,154.37	2,539.89	2,372.55	167.34	15.178		
18,600.00	7,321.00	16,848.00	7,073.89	300.78	270.18	-63.76	-6,476.06	-14,154.37	2,441.98	2,272.08	169.90	14.373		
18,700.00	7,321.00	16,848.00	7,073.89	303.38	270.18	-63.76	-6,476.06	-14,154.37	2,344.25	2,171.49	172.76	13.569		
18,800.00	7,321.00	16,848.00	7,073.89	305.98	270.18	-63.76	-6,476.06	-14,154.37	2,246.72	2,070.74	175.98	12.767		
18,900.00	7,321.00	16,848.00	7,073.89	308.58	270.18	-63.76	-6,476.06	-14,154.37	2,149.42	1,969.80	179.62	11.967		
19,000.00	7,321.00	16,848.00	7,073.89	311.18	270.18	-63.76	-6,476.06	-14,154.37	2,052.37	1,868.64	183.74	11.170		
19,100.00	7,321.00	16,848.00	7,073.89	313.78	270.18	-63.76	-6,476.06	-14,154.37	1,955.63	1,767.21	188.41	10.379		
19,200.00	7,321.00	16,848.00	7,073.89	316.39	270.18	-63.76	-6,476.06	-14,154.37	1,859.22	1,665.48	193.75	9.596		
19,300.00	7,321.00	16,848.00	7,073.89	318.99	270.18	-63.76	-6,476.06	-14,154.37	1,763.22	1,563.38	199.85	8.823		
19,400.00	7,321.00	16,848.00	7,073.89	321.60	270.18	-63.76	-6,476.06	-14,154.37	1,667.69	1,460.85	206.85	8.062		
19,500.00	7,321.00	16,848.00	7,073.89	324.21	270.18	-64.06	-6,476.06	-14,154.37	1,572.72	1,357.81	214.91	7.318		
19,600.00	7,321.00	16,848.00	7,073.89	326.81	270.18	-66.30	-6,476.06	-14,154.37	1,479.10	1,254.24	224.86	6.578		
19,700.00	7,321.00	16,848.00	7,073.89	329.42	270.18	-68.06	-6,476.06	-14,154.37	1,387.65	1,150.16	237.49	5.843		
19,800.00	7,321.00	16,848.00	7,073.89	332.01	270.18	-69.45	-6,476.06	-14,154.37	1,298.96	1,045.61	253.35	5.127		
19,900.00	7,321.00	16,848.00	7,073.89	334.60	270.18	-70.57	-6,476.06	-14,154.37	1,213.75	940.77	272.97	4.446		
20,000.00	7,321.00	16,848.00	7,073.89	337.16	270.18	-71.46	-6,476.06	-14,154.37	1,132.92	836.02	296.90	3.816		
20,100.00	7,321.00	16,848.00	7,073.89	339.72	270.18	-71.55	-6,476.06	-14,154.37	1,056.71	731.70	325.01	3.251		
20,200.00	7,321.00	16,848.00	7,073.89	342.28	270.18	-71.55	-6,476.06	-14,154.37	984.78	628.05	356.73	2.761		
20,300.00	7,321.00	16,848.00	7,073.89	344.84	270.18	-71.55	-6,476.06	-14,154.37	918.13	526.23	391.90	2.343		
20,400.00	7,321.00	16,848.00	7,073.89	347.40	270.18	-71.55	-6,476.06	-14,154.37	857.97	428.01	429.96	1.995		
20,500.00	7,321.00	16,848.00	7,073.89	349.97	270.18	-71.55	-6,476.06	-14,154.37	805.77	336.07	469.70	1.715		
20,540.60	7,321.00	16,848.00	7,073.89	351.01	270.18	-71.55	-6,476.06	-14,154.37	787.22	301.35	485.87	1.620 CC, ES, SF		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 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)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
10,900.00	7,321.00	16,811.00	7,075.38	133.87	264.78	-80.32	-6,825.99	-14,168.61	10,069.87	9,923.10	146.77	68.609				
11,000.00	7,321.00	16,811.00	7,075.38	135.26	264.78	-80.32	-6,825.99	-14,168.61	9,970.75	9,824.05	146.70	67.966				
11,100.00	7,321.00	16,811.00	7,075.38	136.68	264.78	-80.32	-6,825.99	-14,168.61	9,871.65	9,725.01	146.63	67.322				
11,200.00	7,321.00	16,811.00	7,075.38	138.14	264.78	-80.32	-6,825.99	-14,168.61	9,772.56	9,626.00	146.56	66.678				
11,300.00	7,321.00	16,811.00	7,075.38	139.63	264.78	-80.32	-6,825.99	-14,168.61	9,673.49	9,527.00	146.50	66.032				
11,400.00	7,321.00	16,811.00	7,075.38	141.15	264.78	-80.32	-6,825.99	-14,168.61	9,574.44	9,428.02	146.43	65.386				
11,500.00	7,321.00	16,811.00	7,075.38	142.70	264.78	-80.32	-6,825.99	-14,168.61	9,475.42	9,329.05	146.36	64.740				
11,600.00	7,321.00	16,811.00	7,075.38	144.29	264.78	-80.32	-6,825.99	-14,168.61	9,376.41	9,230.11	146.30	64.092				
11,700.00	7,321.00	16,811.00	7,075.38	145.91	264.78	-80.32	-6,825.99	-14,168.61	9,277.42	9,131.19	146.23	63.444				
11,800.00	7,321.00	16,811.00	7,075.38	147.55	264.78	-80.32	-6,825.99	-14,168.61	9,178.46	9,032.29	146.16	62.795				
11,900.00	7,321.00	16,811.00	7,075.38	149.23	264.78	-80.32	-6,825.99	-14,168.61	9,079.52	8,933.42	146.10	62.146				
12,000.00	7,321.00	16,811.00	7,075.38	150.93	264.78	-80.32	-6,825.99	-14,168.61	8,980.60	8,834.56	146.04	61.495				
12,100.00	7,321.00	16,811.00	7,075.38	152.67	264.78	-80.32	-6,825.99	-14,168.61	8,881.70	8,735.73	145.98	60.844				
12,200.00	7,321.00	16,811.00	7,075.38	154.43	264.78	-80.32	-6,825.99	-14,168.61	8,782.83	8,636.92	145.91	60.192				
12,300.00	7,321.00	16,811.00	7,075.38	156.22	264.78	-80.32	-6,825.99	-14,168.61	8,683.99	8,538.14	145.85	59.539				
12,400.00	7,321.00	16,811.00	7,075.38	158.04	264.78	-80.32	-6,825.99	-14,168.61	8,585.18	8,439.38	145.80	58.884				
12,500.00	7,321.00	16,811.00	7,075.38	159.88	264.78	-80.32	-6,825.99	-14,168.61	8,486.39	8,340.65	145.74	58.229				
12,600.00	7,321.00	16,811.00	7,075.38	161.75	264.78	-80.32	-6,825.99	-14,168.61	8,387.63	8,241.94	145.69	57.573				
12,700.00	7,321.00	16,811.00	7,075.38	163.64	264.78	-80.32	-6,825.99	-14,168.61	8,288.90	8,143.26	145.63	56.916				
12,800.00	7,321.00	16,811.00	7,075.38	165.56	264.78	-80.32	-6,825.99	-14,168.61	8,190.20	8,044.62	145.58	56.258				
12,900.00	7,321.00	16,811.00	7,075.38	167.49	264.78	-80.32	-6,825.99	-14,168.61	8,091.53	7,946.00	145.53	55.599				
13,000.00	7,321.00	16,811.00	7,075.38	169.46	264.78	-80.32	-6,825.99	-14,168.61	7,992.90	7,847.41	145.49	54.938				
13,100.00	7,321.00	16,811.00	7,075.38	171.44	264.78	-80.32	-6,825.99	-14,168.61	7,894.30	7,748.85	145.45	54.276				
13,200.00	7,321.00	16,811.00	7,075.38	173.45	264.78	-80.32	-6,825.99	-14,168.61	7,795.73	7,650.33	145.41	53.613				
13,300.00	7,321.00	16,811.00	7,075.38	175.47	264.78	-80.32	-6,825.99	-14,168.61	7,697.21	7,551.83	145.37	52.948				
13,400.00	7,321.00	16,811.00	7,075.38	177.52	264.78	-80.32	-6,825.99	-14,168.61	7,598.72	7,453.38	145.34	52.282				
13,500.00	7,321.00	16,811.00	7,075.38	179.58	264.78	-80.32	-6,825.99	-14,168.61	7,500.27	7,354.96	145.31	51.615				
13,600.00	7,321.00	16,811.00	7,075.38	181.67	264.78	-80.32	-6,825.99	-14,168.61	7,401.86	7,256.57	145.29	50.946				
13,700.00	7,321.00	16,811.00	7,075.38	183.77	264.78	-80.32	-6,825.99	-14,168.61	7,303.50	7,158.23	145.27	50.275				
13,800.00	7,321.00	16,811.00	7,075.38	185.89	264.78	-80.32	-6,825.99	-14,168.61	7,205.18	7,059.92	145.26	49.602				
13,900.00	7,321.00	16,811.00	7,075.38	188.02	264.78	-80.32	-6,825.99	-14,168.61	7,106.91	6,961.65	145.25	48.928				
14,000.00	7,321.00	16,811.00	7,075.38	190.18	264.78	-80.32	-6,825.99	-14,168.61	7,008.68	6,863.43	145.25	48.252				
14,100.00	7,321.00	16,811.00	7,075.38	192.35	264.78	-80.32	-6,825.99	-14,168.61	6,910.51	6,765.25	145.26	47.573				
14,200.00	7,321.00	16,811.00	7,075.38	194.53	264.78	-80.32	-6,825.99	-14,168.61	6,812.39	6,667.12	145.28	46.892				
14,300.00	7,321.00	16,811.00	7,075.38	196.73	264.78	-80.32	-6,825.99	-14,168.61	6,714.33	6,569.03	145.30	46.209				
14,400.00	7,321.00	16,811.00	7,075.38	198.95	264.78	-80.32	-6,825.99	-14,168.61	6,616.32	6,470.99	145.34	45.524				
14,500.00	7,321.00	16,811.00	7,075.38	201.17	264.78	-80.32	-6,825.99	-14,168.61	6,518.38	6,373.00	145.38	44.836				
14,600.00	7,321.00	16,811.00	7,075.38	203.42	264.78	-80.32	-6,825.99	-14,168.61	6,420.50	6,275.06	145.44	44.145				
14,700.00	7,321.00	16,811.00	7,075.38	205.67	264.78	-80.32	-6,825.99	-14,168.61	6,322.68	6,177.17	145.51	43.451				
14,800.00	7,321.00	16,811.00	7,075.38	207.94	264.78	-80.32	-6,825.99	-14,168.61	6,224.94	6,079.34	145.60	42.753				
14,900.00	7,321.00	16,811.00	7,075.38	210.22	264.78	-80.32	-6,825.99	-14,168.61	6,127.27	5,981.56	145.70	42.053				
15,000.00	7,321.00	16,811.00	7,075.38	212.51	264.78	-80.32	-6,825.99	-14,168.61	6,029.67	5,883.84	145.83	41.348				
15,100.00	7,321.00	16,811.00	7,075.38	214.81	264.78	-80.32	-6,825.99	-14,168.61	5,932.15	5,786.18	145.97	40.640				
15,200.00	7,321.00	16,811.00	7,075.38	217.12	264.78	-80.32	-6,825.99	-14,168.61	5,834.72	5,688.59	146.13	39.928				
15,300.00	7,321.00	16,811.00	7,075.38	219.45	264.78	-80.32	-6,825.99	-14,168.61	5,737.38	5,591.05	146.32	39.211				
15,400.00	7,321.00	16,811.00	7,075.38	221.78	264.78	-80.32	-6,825.99	-14,168.61	5,640.13	5,493.59	146.54	38.489				
15,500.00	7,321.00	16,811.00	7,075.38	224.13	264.78	-80.32	-6,825.99	-14,168.61	5,542.97	5,396.18	146.79	37.762				
15,600.00	7,321.00	16,811.00	7,075.38	226.48	264.78	-80.32	-6,825.99	-14,168.61	5,445.92	5,298.85	147.07	37.029				
15,700.00	7,321.00	16,811.00	7,075.38	228.85	264.78	-80.32	-6,825.99	-14,168.61	5,348.98	5,201.59	147.39	36.291				
15,800.00	7,321.00	16,811.00	7,075.38	231.22	264.78	-80.32	-6,825.99	-14,168.61	5,252.15	5,104.40	147.76	35.546				
15,900.00	7,321.00	16,811.00	7,075.38	233.60	264.78	-80.32	-6,825.99	-14,168.61	5,155.45	5,007.28	148.17	34.794				
16,000.00	7,321.00	16,811.00	7,075.38	235.99	264.78	-80.32	-6,825.99	-14,168.61	5,058.87	4,910.23	148.64	34.035				

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
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		
16,100.00	7,321.00	16,811.00	7,075.38	238.39	264.78	-80.32	-6,825.99	-14,168.61	4,962.43	4,813.26	149.17	33.268		
16,200.00	7,321.00	16,811.00	7,075.38	240.79	264.78	-80.32	-6,825.99	-14,168.61	4,866.13	4,716.37	149.76	32.492		
16,300.00	7,321.00	16,811.00	7,075.38	243.21	264.78	-80.32	-6,825.99	-14,168.61	4,769.98	4,619.55	150.44	31.707		
16,400.00	7,321.00	16,811.00	7,075.38	245.63	264.78	-80.32	-6,825.99	-14,168.61	4,674.00	4,522.80	151.20	30.913		
16,500.00	7,321.00	16,811.00	7,075.38	248.06	264.78	-80.32	-6,825.99	-14,168.61	4,578.19	4,426.13	152.06	30.109		
16,600.00	7,321.00	16,811.00	7,075.38	250.49	264.78	-80.32	-6,825.99	-14,168.61	4,482.56	4,329.53	153.02	29.293		
16,700.00	7,321.00	16,811.00	7,075.38	252.93	264.78	-80.32	-6,825.99	-14,168.61	4,387.12	4,233.01	154.11	28.467		
16,800.00	7,321.00	16,811.00	7,075.38	255.38	264.78	-80.32	-6,825.99	-14,168.61	4,291.90	4,136.55	155.34	27.628		
16,900.00	7,321.00	16,811.00	7,075.38	257.84	264.78	-80.32	-6,825.99	-14,168.61	4,196.89	4,040.16	156.73	26.778		
17,000.00	7,321.00	16,811.00	7,075.38	260.30	264.78	-80.32	-6,825.99	-14,168.61	4,102.12	3,943.83	158.29	25.915		
17,100.00	7,321.00	16,811.00	7,075.38	262.76	264.78	-80.32	-6,825.99	-14,168.61	4,007.61	3,847.56	160.05	25.040		
17,200.00	7,321.00	16,811.00	7,075.38	265.24	264.78	-80.32	-6,825.99	-14,168.61	3,913.37	3,751.34	162.03	24.152		
17,300.00	7,321.00	16,811.00	7,075.38	267.72	264.78	-80.32	-6,825.99	-14,168.61	3,819.42	3,655.17	164.25	23.253		
17,400.00	7,321.00	16,811.00	7,075.38	270.20	264.78	-80.32	-6,825.99	-14,168.61	3,725.79	3,559.04	166.75	22.343		
17,500.00	7,321.00	16,811.00	7,075.38	272.69	264.78	-80.32	-6,825.99	-14,168.61	3,632.50	3,462.94	169.56	21.423		
17,600.00	7,321.00	16,811.00	7,075.38	275.18	264.78	-80.32	-6,825.99	-14,168.61	3,539.57	3,366.87	172.70	20.496		
17,700.00	7,321.00	16,811.00	7,075.38	277.68	264.78	-80.32	-6,825.99	-14,168.61	3,447.04	3,270.83	176.21	19.562		
17,800.00	7,321.00	16,811.00	7,075.38	280.19	264.78	-80.20	-6,825.99	-14,168.61	3,354.92	3,174.80	180.13	18.625		
17,900.00	7,321.00	16,811.00	7,075.38	282.71	264.78	-79.33	-6,825.99	-14,168.61	3,262.39	3,078.14	184.25	17.707		
18,000.00	7,321.00	16,811.00	7,075.38	285.26	264.78	-78.32	-6,825.99	-14,168.61	3,169.01	2,980.58	188.43	16.818		
18,100.00	7,321.00	16,811.00	7,075.38	287.83	264.78	-77.12	-6,825.99	-14,168.61	3,074.83	2,882.21	192.61	15.964		
18,200.00	7,321.00	16,811.00	7,075.38	290.41	264.78	-75.70	-6,825.99	-14,168.61	2,979.88	2,783.11	196.77	15.144		
18,300.00	7,321.00	16,811.00	7,075.38	293.00	264.78	-74.39	-6,825.99	-14,168.61	2,884.24	2,683.39	200.85	14.360		
18,400.00	7,321.00	16,811.00	7,075.38	295.59	264.78	-74.39	-6,825.99	-14,168.61	2,788.59	2,583.43	205.15	13.593		
18,500.00	7,321.00	16,811.00	7,075.38	298.19	264.78	-74.39	-6,825.99	-14,168.61	2,693.25	2,483.39	209.87	12.833		
18,600.00	7,321.00	16,811.00	7,075.38	300.78	264.78	-74.39	-6,825.99	-14,168.61	2,598.27	2,383.25	215.03	12.083		
18,700.00	7,321.00	16,811.00	7,075.38	303.38	264.78	-74.39	-6,825.99	-14,168.61	2,503.68	2,283.00	220.68	11.345		
18,800.00	7,321.00	16,811.00	7,075.38	305.98	264.78	-74.39	-6,825.99	-14,168.61	2,409.53	2,182.64	226.89	10.620		
18,900.00	7,321.00	16,811.00	7,075.38	308.58	264.78	-74.39	-6,825.99	-14,168.61	2,315.86	2,082.16	233.70	9.910		
19,000.00	7,321.00	16,811.00	7,075.38	311.18	264.78	-74.39	-6,825.99	-14,168.61	2,222.75	1,981.57	241.18	9.216		
19,100.00	7,321.00	16,811.00	7,075.38	313.78	264.78	-74.39	-6,825.99	-14,168.61	2,130.26	1,880.85	249.41	8.541		
19,200.00	7,321.00	16,811.00	7,075.38	316.39	264.78	-74.39	-6,825.99	-14,168.61	2,038.48	1,780.01	258.48	7.887		
19,300.00	7,321.00	16,811.00	7,075.38	318.99	264.78	-74.39	-6,825.99	-14,168.61	1,947.51	1,679.05	268.46	7.254		
19,400.00	7,321.00	16,811.00	7,075.38	321.60	264.78	-74.39	-6,825.99	-14,168.61	1,857.47	1,578.00	279.47	6.646		
19,500.00	7,321.00	16,811.00	7,075.38	324.21	264.78	-74.51	-6,825.99	-14,168.61	1,768.52	1,476.90	291.62	6.064		
19,600.00	7,321.00	16,811.00	7,075.38	326.81	264.78	-75.41	-6,825.99	-14,168.61	1,681.83	1,376.25	305.58	5.504		
19,700.00	7,321.00	16,811.00	7,075.38	329.42	264.78	-76.15	-6,825.99	-14,168.61	1,598.57	1,276.71	321.87	4.967		
19,800.00	7,321.00	16,811.00	7,075.38	332.01	264.78	-76.76	-6,825.99	-14,168.61	1,519.41	1,178.77	340.64	4.460		
19,900.00	7,321.00	16,811.00	7,075.38	334.60	264.78	-77.26	-6,825.99	-14,168.61	1,445.13	1,083.15	361.98	3.992		
20,000.00	7,321.00	16,811.00	7,075.38	337.16	264.78	-77.67	-6,825.99	-14,168.61	1,376.61	990.79	385.82	3.568		
20,100.00	7,321.00	16,811.00	7,075.38	339.72	264.78	-77.71	-6,825.99	-14,168.61	1,313.77	902.13	411.64	3.192		
20,200.00	7,321.00	16,811.00	7,075.38	342.28	264.78	-77.71	-6,825.99	-14,168.61	1,255.78	817.11	438.67	2.863		
20,300.00	7,321.00	16,811.00	7,075.38	344.84	264.78	-77.71	-6,825.99	-14,168.61	1,203.32	736.89	466.43	2.580		
20,400.00	7,321.00	16,811.00	7,075.38	347.40	264.78	-77.71	-6,825.99	-14,168.61	1,157.14	662.86	494.28	2.341		
20,500.00	7,321.00	16,811.00	7,075.38	349.97	264.78	-77.71	-6,825.99	-14,168.61	1,118.02	596.64	521.38	2.144		
20,540.60	7,321.00	16,811.00	7,075.38	351.01	264.78	-77.71	-6,825.99	-14,168.61	1,104.32	572.39	531.93	2.076	CC, ES, SF	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,900.00	7,321.00	15,770.00	6,953.66	149.23	242.60	-74.91	-6,797.99	-15,159.62	10,060.75	9,922.89	137.86	72.977		
12,000.00	7,321.00	15,770.00	6,953.66	150.93	242.60	-74.91	-6,797.99	-15,159.62	9,961.63	9,823.86	137.77	72.309		
12,100.00	7,321.00	15,770.00	6,953.66	152.67	242.60	-74.91	-6,797.99	-15,159.62	9,862.52	9,724.85	137.67	71.639		
12,200.00	7,321.00	15,770.00	6,953.66	154.43	242.60	-74.91	-6,797.99	-15,159.62	9,763.43	9,625.86	137.57	70.969		
12,300.00	7,321.00	15,770.00	6,953.66	156.22	242.60	-74.91	-6,797.99	-15,159.62	9,664.37	9,526.89	137.48	70.298		
12,400.00	7,321.00	15,770.00	6,953.66	158.04	242.60	-74.91	-6,797.99	-15,159.62	9,565.32	9,427.94	137.38	69.626		
12,500.00	7,321.00	15,770.00	6,953.66	159.88	242.60	-74.91	-6,797.99	-15,159.62	9,466.29	9,329.00	137.29	68.953		
12,600.00	7,321.00	15,770.00	6,953.66	161.75	242.60	-74.91	-6,797.99	-15,159.62	9,367.28	9,230.09	137.19	68.279		
12,700.00	7,321.00	15,770.00	6,953.66	163.64	242.60	-74.91	-6,797.99	-15,159.62	9,268.29	9,131.20	137.10	67.605		
12,800.00	7,321.00	15,770.00	6,953.66	165.56	242.60	-74.91	-6,797.99	-15,159.62	9,169.33	9,032.33	137.00	66.929		
12,900.00	7,321.00	15,770.00	6,953.66	167.49	242.60	-74.91	-6,797.99	-15,159.62	9,070.39	8,933.48	136.91	66.252		
13,000.00	7,321.00	15,770.00	6,953.66	169.46	242.60	-74.91	-6,797.99	-15,159.62	8,971.47	8,834.65	136.81	65.574		
13,100.00	7,321.00	15,770.00	6,953.66	171.44	242.60	-74.91	-6,797.99	-15,159.62	8,872.57	8,735.85	136.72	64.895		
13,200.00	7,321.00	15,770.00	6,953.66	173.45	242.60	-74.91	-6,797.99	-15,159.62	8,773.70	8,637.08	136.63	64.215		
13,300.00	7,321.00	15,770.00	6,953.66	175.47	242.60	-74.91	-6,797.99	-15,159.62	8,674.86	8,538.32	136.54	63.534		
13,400.00	7,321.00	15,770.00	6,953.66	177.52	242.60	-74.91	-6,797.99	-15,159.62	8,576.05	8,439.60	136.45	62.851		
13,500.00	7,321.00	15,770.00	6,953.66	179.58	242.60	-74.91	-6,797.99	-15,159.62	8,477.26	8,340.89	136.36	62.167		
13,600.00	7,321.00	15,770.00	6,953.66	181.67	242.60	-74.91	-6,797.99	-15,159.62	8,378.50	8,242.22	136.28	61.482		
13,700.00	7,321.00	15,770.00	6,953.66	183.77	242.60	-74.91	-6,797.99	-15,159.62	8,279.77	8,143.57	136.19	60.795		
13,800.00	7,321.00	15,770.00	6,953.66	185.89	242.60	-74.91	-6,797.99	-15,159.62	8,181.07	8,044.96	136.11	60.107		
13,900.00	7,321.00	15,770.00	6,953.66	188.02	242.60	-74.91	-6,797.99	-15,159.62	8,082.40	7,946.37	136.03	59.417		
14,000.00	7,321.00	15,770.00	6,953.66	190.18	242.60	-74.91	-6,797.99	-15,159.62	7,983.77	7,847.81	135.95	58.725		
14,100.00	7,321.00	15,770.00	6,953.66	192.35	242.60	-74.91	-6,797.99	-15,159.62	7,885.17	7,749.29	135.88	58.032		
14,200.00	7,321.00	15,770.00	6,953.66	194.53	242.60	-74.91	-6,797.99	-15,159.62	7,786.60	7,650.80	135.80	57.337		
14,300.00	7,321.00	15,770.00	6,953.66	196.73	242.60	-74.91	-6,797.99	-15,159.62	7,688.07	7,552.34	135.74	56.639		
14,400.00	7,321.00	15,770.00	6,953.66	198.95	242.60	-74.91	-6,797.99	-15,159.62	7,589.59	7,453.91	135.67	55.940		
14,500.00	7,321.00	15,770.00	6,953.66	201.17	242.60	-74.91	-6,797.99	-15,159.62	7,491.14	7,355.52	135.61	55.239		
14,600.00	7,321.00	15,770.00	6,953.66	203.42	242.60	-74.91	-6,797.99	-15,159.62	7,392.73	7,257.17	135.56	54.535		
14,700.00	7,321.00	15,770.00	6,953.66	205.67	242.60	-74.91	-6,797.99	-15,159.62	7,294.37	7,158.86	135.51	53.829		
14,800.00	7,321.00	15,770.00	6,953.66	207.94	242.60	-74.91	-6,797.99	-15,159.62	7,196.05	7,060.58	135.47	53.120		
14,900.00	7,321.00	15,770.00	6,953.66	210.22	242.60	-74.91	-6,797.99	-15,159.62	7,097.78	6,962.35	135.43	52.409		
15,000.00	7,321.00	15,770.00	6,953.66	212.51	242.60	-74.91	-6,797.99	-15,159.62	6,999.55	6,864.15	135.40	51.694		
15,100.00	7,321.00	15,770.00	6,953.66	214.81	242.60	-74.91	-6,797.99	-15,159.62	6,901.38	6,766.00	135.38	50.977		
15,200.00	7,321.00	15,770.00	6,953.66	217.12	242.60	-74.91	-6,797.99	-15,159.62	6,803.27	6,667.89	135.37	50.256		
15,300.00	7,321.00	15,770.00	6,953.66	219.45	242.60	-74.91	-6,797.99	-15,159.62	6,705.20	6,569.83	135.37	49.532		
15,400.00	7,321.00	15,770.00	6,953.66	221.78	242.60	-74.91	-6,797.99	-15,159.62	6,607.20	6,471.82	135.38	48.804		
15,500.00	7,321.00	15,770.00	6,953.66	224.13	242.60	-74.91	-6,797.99	-15,159.62	6,509.25	6,373.85	135.40	48.073		
15,600.00	7,321.00	15,770.00	6,953.66	226.48	242.60	-74.91	-6,797.99	-15,159.62	6,411.37	6,275.93	135.44	47.337		
15,700.00	7,321.00	15,770.00	6,953.66	228.85	242.60	-74.91	-6,797.99	-15,159.62	6,313.56	6,178.07	135.49	46.596		
15,800.00	7,321.00	15,770.00	6,953.66	231.22	242.60	-74.91	-6,797.99	-15,159.62	6,215.82	6,080.25	135.56	45.851		
15,900.00	7,321.00	15,770.00	6,953.66	233.60	242.60	-74.91	-6,797.99	-15,159.62	6,118.15	5,982.49	135.65	45.101		
16,000.00	7,321.00	15,770.00	6,953.66	235.99	242.60	-74.91	-6,797.99	-15,159.62	6,020.55	5,884.79	135.77	44.345		
16,100.00	7,321.00	15,770.00	6,953.66	238.39	242.60	-74.91	-6,797.99	-15,159.62	5,923.04	5,787.14	135.90	43.584		
16,200.00	7,321.00	15,770.00	6,953.66	240.79	242.60	-74.91	-6,797.99	-15,159.62	5,825.61	5,689.54	136.06	42.816		
16,300.00	7,321.00	15,770.00	6,953.66	243.21	242.60	-74.91	-6,797.99	-15,159.62	5,728.26	5,592.01	136.25	42.042		
16,400.00	7,321.00	15,770.00	6,953.66	245.63	242.60	-74.91	-6,797.99	-15,159.62	5,631.01	5,494.54	136.48	41.260		
16,500.00	7,321.00	15,770.00	6,953.66	248.06	242.60	-74.91	-6,797.99	-15,159.62	5,533.86	5,397.13	136.74	40.471		
16,600.00	7,321.00	15,770.00	6,953.66	250.49	242.60	-74.91	-6,797.99	-15,159.62	5,436.82	5,299.78	137.04	39.674		
16,700.00	7,321.00	15,770.00	6,953.66	252.93	242.60	-74.91	-6,797.99	-15,159.62	5,339.88	5,202.49	137.39	38.867		
16,800.00	7,321.00	15,770.00	6,953.66	255.38	242.60	-74.91	-6,797.99	-15,159.62	5,243.06	5,105.27	137.79	38.052		
16,900.00	7,321.00	15,770.00	6,953.66	257.84	242.60	-74.91	-6,797.99	-15,159.62	5,146.35	5,008.11	138.24	37.227		
17,000.00	7,321.00	15,770.00	6,953.66	260.30	242.60	-74.91	-6,797.99	-15,159.62	5,049.78	4,911.02	138.76	36.391		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,100.00	7,321.00	15,770.00	6,953.66	262.76	242.60	-74.91	-6,797.99	-15,159.62	4,953.34	4,813.99	139.36	35.545		
17,200.00	7,321.00	15,770.00	6,953.66	265.24	242.60	-74.91	-6,797.99	-15,159.62	4,857.05	4,717.02	140.03	34.686		
17,300.00	7,321.00	15,770.00	6,953.66	267.72	242.60	-74.91	-6,797.99	-15,159.62	4,760.91	4,620.12	140.79	33.815		
17,400.00	7,321.00	15,770.00	6,953.66	270.20	242.60	-74.91	-6,797.99	-15,159.62	4,664.93	4,523.28	141.66	32.932		
17,500.00	7,321.00	15,770.00	6,953.66	272.69	242.60	-74.91	-6,797.99	-15,159.62	4,569.13	4,426.49	142.63	32.034		
17,600.00	7,321.00	15,770.00	6,953.66	275.18	242.60	-74.91	-6,797.99	-15,159.62	4,473.50	4,329.77	143.73	31.123		
17,700.00	7,321.00	15,770.00	6,953.66	277.68	242.60	-74.91	-6,797.99	-15,159.62	4,378.08	4,233.10	144.98	30.198		
17,800.00	7,321.00	15,770.00	6,953.66	280.19	242.60	-74.65	-6,797.99	-15,159.62	4,282.85	4,136.47	146.38	29.259		
17,900.00	7,321.00	15,770.00	6,953.66	282.71	242.60	-72.81	-6,797.99	-15,159.62	4,187.18	4,039.34	147.84	28.322		
18,000.00	7,321.00	15,770.00	6,953.66	285.26	242.60	-70.52	-6,797.99	-15,159.62	4,090.77	3,941.47	149.30	27.400		
18,100.00	7,321.00	15,770.00	6,953.66	287.83	242.60	-67.63	-6,797.99	-15,159.62	3,993.68	3,842.97	150.71	26.499		
18,200.00	7,321.00	15,770.00	6,953.66	290.41	242.60	-63.88	-6,797.99	-15,159.62	3,895.99	3,743.93	152.06	25.622		
18,300.00	7,321.00	15,770.00	6,953.66	293.00	242.60	-60.10	-6,797.99	-15,159.62	3,797.79	3,644.48	153.30	24.773		
18,400.00	7,321.00	15,770.00	6,953.66	295.59	242.60	-60.10	-6,797.99	-15,159.62	3,699.50	3,544.92	154.59	23.932		
18,500.00	7,321.00	15,770.00	6,953.66	298.19	242.60	-60.10	-6,797.99	-15,159.62	3,601.31	3,445.33	155.98	23.089		
18,600.00	7,321.00	15,770.00	6,953.66	300.78	242.60	-60.10	-6,797.99	-15,159.62	3,503.22	3,345.73	157.49	22.244		
18,700.00	7,321.00	15,770.00	6,953.66	303.38	242.60	-60.10	-6,797.99	-15,159.62	3,405.24	3,246.10	159.14	21.398		
18,800.00	7,321.00	15,770.00	6,953.66	305.98	242.60	-60.10	-6,797.99	-15,159.62	3,307.38	3,146.45	160.93	20.551		
18,900.00	7,321.00	15,770.00	6,953.66	308.58	242.60	-60.10	-6,797.99	-15,159.62	3,209.66	3,046.76	162.89	19.704		
19,000.00	7,321.00	15,770.00	6,953.66	311.18	242.60	-60.10	-6,797.99	-15,159.62	3,112.07	2,947.03	165.04	18.856		
19,100.00	7,321.00	15,770.00	6,953.66	313.78	242.60	-60.10	-6,797.99	-15,159.62	3,014.65	2,847.25	167.40	18.009		
19,200.00	7,321.00	15,770.00	6,953.66	316.39	242.60	-60.10	-6,797.99	-15,159.62	2,917.40	2,747.42	169.98	17.163		
19,300.00	7,321.00	15,770.00	6,953.66	318.99	242.60	-60.10	-6,797.99	-15,159.62	2,820.35	2,647.52	172.82	16.319		
19,400.00	7,321.00	15,770.00	6,953.66	321.60	242.60	-60.10	-6,797.99	-15,159.62	2,723.50	2,547.55	175.95	15.479		
19,500.00	7,321.00	15,770.00	6,953.66	324.21	242.60	-60.52	-6,797.99	-15,159.62	2,626.90	2,447.49	179.41	14.642		
19,600.00	7,321.00	15,770.00	6,953.66	326.81	242.60	-63.66	-6,797.99	-15,159.62	2,531.09	2,347.54	183.55	13.790		
19,700.00	7,321.00	15,770.00	6,953.66	329.42	242.60	-66.11	-6,797.99	-15,159.62	2,436.62	2,247.92	188.70	12.913		
19,800.00	7,321.00	15,770.00	6,953.66	332.01	242.60	-68.06	-6,797.99	-15,159.62	2,343.76	2,148.73	195.03	12.018		
19,900.00	7,321.00	15,770.00	6,953.66	334.60	242.60	-69.64	-6,797.99	-15,159.62	2,252.84	2,050.12	202.72	11.113		
20,000.00	7,321.00	15,770.00	6,953.66	337.16	242.60	-70.93	-6,797.99	-15,159.62	2,164.21	1,952.24	211.98	10.210		
20,100.00	7,321.00	15,770.00	6,953.66	339.72	242.60	-71.06	-6,797.99	-15,159.62	2,077.62	1,854.90	222.72	9.328		
20,200.00	7,321.00	15,770.00	6,953.66	342.28	242.60	-71.06	-6,797.99	-15,159.62	1,992.30	1,757.63	234.68	8.490		
20,300.00	7,321.00	15,770.00	6,953.66	344.84	242.60	-71.06	-6,797.99	-15,159.62	1,908.41	1,660.49	247.91	7.698		
20,400.00	7,321.00	15,770.00	6,953.66	347.40	242.60	-71.06	-6,797.99	-15,159.62	1,826.13	1,563.60	262.53	6.956		
20,500.00	7,321.00	15,770.00	6,953.66	349.97	242.60	-71.06	-6,797.99	-15,159.62	1,745.71	1,467.11	278.60	6.266		
20,540.60	7,321.00	15,770.00	6,953.66	351.01	242.60	-71.06	-6,797.99	-15,159.62	1,713.65	1,428.09	285.56	6.001	CC, ES, SF	

Civitas Resources

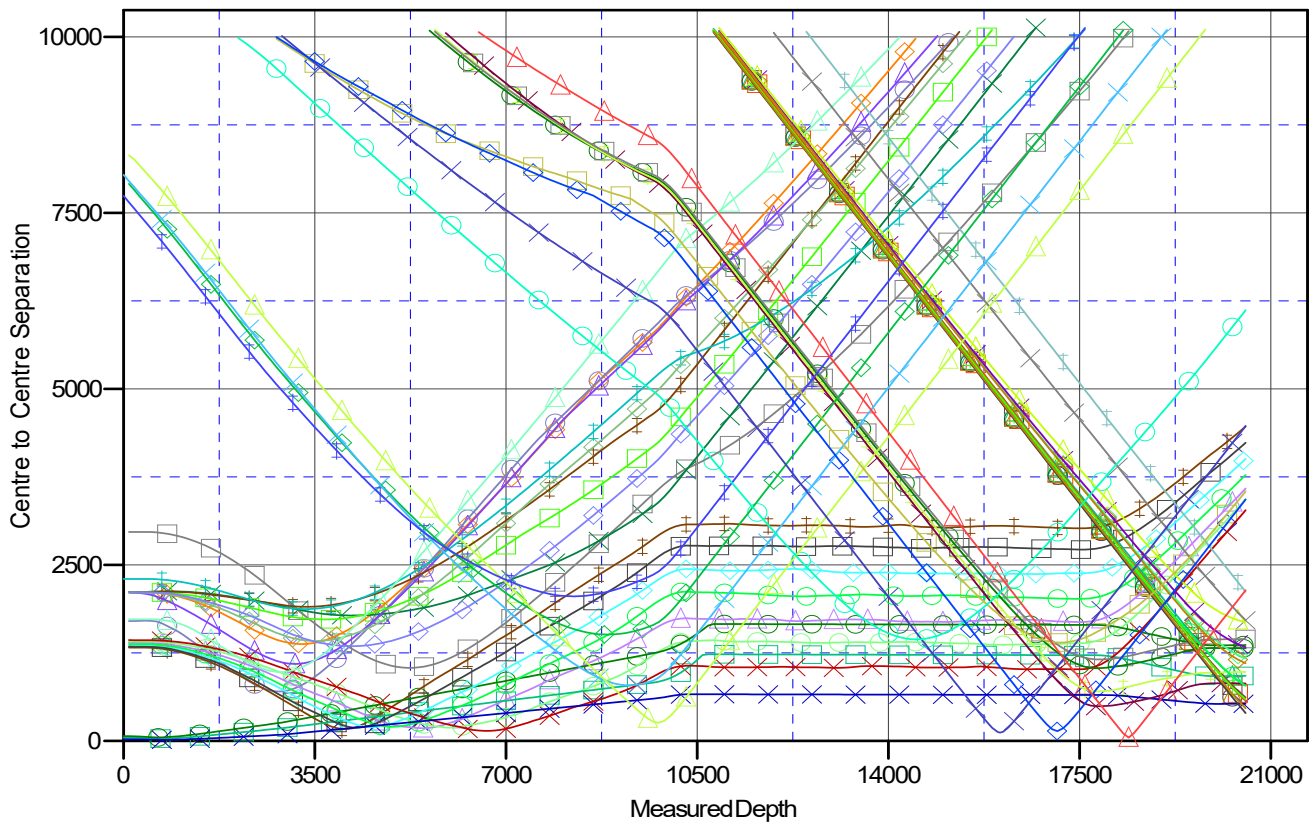
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	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-20-01
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	EXIST HZ BALDRIDGE 2-1, Wellbore #1, Wellbore #1V0	VARRA 11, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDR 16-36, Wellbore #1, Wellbore # V0	ABND VERT LIND 36-32, Wellbore #1, Design #1 V0	VARRA 9, STK1STK1V0
EXIST HZ SCHNBDR 33-36, Wellbore #1, Wellbore # V0	ICE MAN 2W45-2N, ORIGINAL WELBORE, WB #1 - PATT 93 V0	VARRA 9, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 7-1, Wellbore #1, Wellbore #1V0	MAVERICK 2W20-02, OWB, PROPOSAL1 V0	VARRA 12, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDR 20-36, Wellbore #1, Wellbore # V0	EXIST HZ SCHNBDR 34-36, Wellbore #1, Wellbore # V0	VARRA 7, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 17-1, Wellbore #1, Wellbore # V0	MICKEY 13, ORIGINAL WELBORE, WB #1 - Patterson 34 V0	VARRA 5, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-2C, ORIGINAL WELBORE, WB #1 - PATT 93 V0	VARRA 8, Wellbore #1, Wellbore #1 V0	SIMONSEN 1421, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 8-1, Wellbore #1, Wellbore #1V0	VARRA 3, Wellbore #1, Wellbore #1 V0	SIMONSEN 1421, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDR 37-36, Wellbore #1, Wellbore # V0	VARRA 3, STK1STK1V0	SIMONSEN 1421, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-1C, ORIGINAL WELBORE, WB #1 - PATT 93 V0	MICKEY 11, ORIGINAL WELBORE, WB #1 - Patterson 36 V0	EXIST HZ BOWER 15-3, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-6N, ORIGINAL WELBORE, WB #1 - PATT 93 V0	VARRA 10, Wellbore #1, Wellbore #1 V0	ABND VERT BOWER 1-3, Wellbore #1, Design #1 V0
MAVERICK 2W20-03, OWB, PROPOSAL1 V0	MICKEY 12, ORIGINAL WELBORE, WB #1 - Patterson 34 V0	ABND VERT MOSER 1-2, Wellbore #1, Design #1 V0
MAVERICK 2W20-04, OWB, PROPOSAL1 V0	VARRA 6, Wellbore #1, Wellbore #1 V0	EXIST HZ BOWER 10-3, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-3N, ORIGINAL WELBORE, WB #1 - PATT 93 V0	MICKEY 10, ORIGINAL WELBORE, WB #1 - Patterson 36 V0	ABND VERT OCHSNER 1-3, Wellbore #1, Design #1 V0
ICE MAN 2W45-7N, ORIGINAL WELBORE, WB #1 - PATT 93 V0	VARRA 2, Wellbore #1, Wellbore #1 V0	
ICE MAN 2W45-4N, ORIGINAL WELBORE, WB #1 - PATT 93 V0	VARRA 4, Wellbore #1, Wellbore #1 V0	

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

Civitas Resources

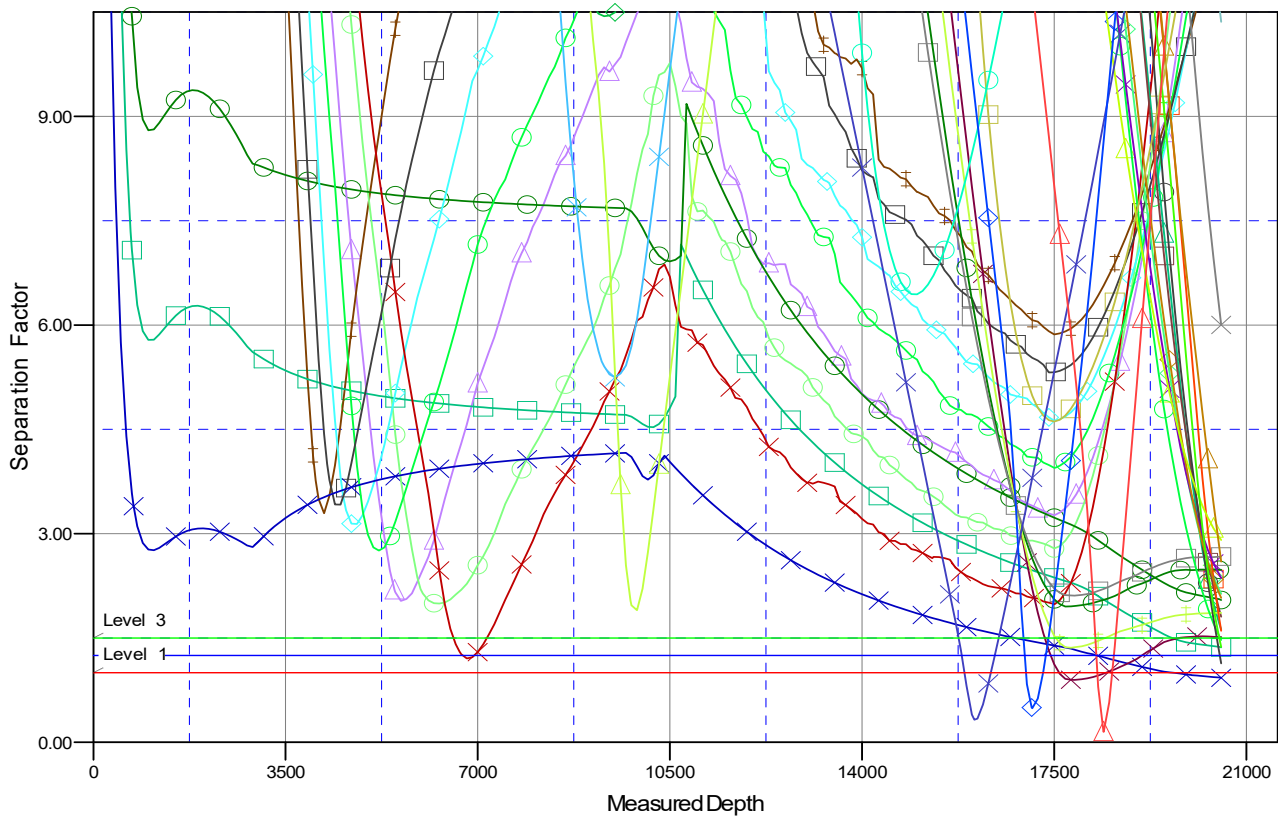
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-01
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-20-01	Survey Calculation Method:	Minimum Curvature
Well Error:	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-20-01
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.43°

Separation Factor Plot



LEGEND

ABND VERT LIND 36-33, Wellbore #1, Design #1 V0	EXIST HZ BALDRIDGE 2-1, Wellbore #1, Wellbore #1V0	VARRA 11, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDER 16-36, Wellbore #1, Wellbore #1 V0	ABND VERT LIND 36-32, Wellbore #1, Design #1 V0	VARRA 9, STK1STK1V0
EXIST HZ SCHNBDER 33-36, 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 BALDRIDGE 7-1, Wellbore #1, Wellbore #1V0	MAVERICK 2W20-02, OWB, PROPOSAL1 V0	VARRA 12, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDER 20-36, Wellbore #1, Wellbore #1 V0	EXIST HZ SCHNBDER 34-36, Wellbore #1, Wellbore #1 V0	VARRA 7, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 17-1, Wellbore #1, Wellbore #1 V0	MICKEY 13, ORIGINAL WELBORE, WB #1 - Patterson 346 V0	VARRA 5, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-6C, ORIGINAL WELBORE, WB #1 - PATT 93 V0	VARRA 3, Wellbore #1, Wellbore #1 V0	SIMONSEN 1L421, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 6-1, Wellbore #1, Wellbore #1V0	VARRA 3, Wellbore #1, Wellbore #1 V0	SIMONSEN 1L241, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDER 37-36, Wellbore #1, Wellbore #1 V0	VARRA 3, STK1STK1V0	SIMONSEN 1421, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-1C, ORIGINAL WELBORE, WB #1 - PATT 93 V0	MICKEY 11, ORIGINAL WELBORE, WB #1 - Patterson 36 V0	SIMONSEN 1Q241, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-8N, 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, PROPOSAL1 V0	MICKEY 12, ORIGINAL WELBORE, WB #1 - Patterson 346 V0	ABND VERT BOWER 15-3, Wellbore #1, Design #1 V0
MAVERICK 2W20-04, OWB, PROPOSAL1 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
ICE MAN 2W45-7N, ORIGINAL WELBORE, WB #1 - PATT 93 V0	VARRA 2, Wellbore #1, Wellbore #1 V0	ABND VERT OCHSNER 1-3, Wellbore #1, Design #1 V0
ICE MAN 2W45-4N, ORIGINAL WELBORE, WB #1 - PATT 93 V0	VARRA 4, Wellbore #1, Wellbore #1 V0	