

EXTRACTION OIL & GAS

WELD COUNTY

Sec 36-T7N-R67W

MAVERICK 2W-20-02

OWB

PROPOSAL 1

Anticollision Report

29 March, 2024

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

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

Survey Tool Program	Date	3/29/2024		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	20,682.58	PROPOSAL 1 (OWB)	MWD OWSG	OWSG MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Sec 12-T6N-R67W						
SIMONSEN 11-421 - Wellbore #1 - Wellbore #1	10,049.34	9,218.51	520.92	409.14	4.660	CC
SIMONSEN 11-421 - Wellbore #1 - Wellbore #1	10,100.00	9,188.29	524.33	404.80	4.387	ES
SIMONSEN 11-421 - Wellbore #1 - Wellbore #1	10,200.00	9,148.31	551.86	419.10	4.157	SF
SIMONSEN 11-241 - Wellbore #1 - Wellbore #1	9,699.43	9,269.52	920.68	779.59	6.526	CC
SIMONSEN 11-241 - Wellbore #1 - Wellbore #1	9,800.00	9,201.40	923.91	777.94	6.329	ES
SIMONSEN 11-241 - Wellbore #1 - Wellbore #1	9,900.00	9,142.08	935.56	785.75	6.245	SF
SIMONSEN 11-421 - Wellbore #1 - Wellbore #1	9,218.60	9,484.52	1,677.20	1,541.79	12.386	CC
SIMONSEN 11-421 - Wellbore #1 - Wellbore #1	9,300.00	9,416.47	1,678.09	1,540.17	12.167	ES
SIMONSEN 11-421 - Wellbore #1 - Wellbore #1	9,800.00	9,087.24	1,725.88	1,576.43	11.548	SF
SIMONSEN 11-241 - Wellbore #1 - Wellbore #1	8,478.14	9,871.34	2,197.27	2,064.63	16.565	CC
SIMONSEN 11-241 - Wellbore #1 - Wellbore #1	8,500.00	9,857.00	2,197.41	2,064.24	16.502	ES
SIMONSEN 11-241 - Wellbore #1 - Wellbore #1	9,300.00	9,196.46	2,267.00	2,118.18	15.233	SF
Sec 36-T7N-R67W						
ABND VERT LIND 36-32 - Wellbore #1 - Design #1	3,119.40	2,701.63	1,942.40	1,907.87	56.252	CC
ABND VERT LIND 36-32 - Wellbore #1 - Design #1	3,200.00	2,750.49	1,943.46	1,907.60	54.194	ES
ABND VERT LIND 36-32 - Wellbore #1 - Design #1	4,500.00	3,538.45	2,231.32	2,178.53	42.271	SF
ABND VERT LIND 36-33 - Wellbore #1 - Design #1	4,977.23	3,801.71	1,167.35	1,101.48	17.723	CC
ABND VERT LIND 36-33 - Wellbore #1 - Design #1	5,000.00	3,815.51	1,167.49	1,101.24	17.624	ES
ABND VERT LIND 36-33 - Wellbore #1 - Design #1	5,300.00	3,997.35	1,195.24	1,125.07	17.033	SF
EXIST HZ BALDRIDGE 1-1 - Wellbore #1 - Wellbore #1	3,423.13	2,370.75	1,667.39	1,630.98	45.798	CC
EXIST HZ BALDRIDGE 1-1 - Wellbore #1 - Wellbore #1	3,500.00	2,409.33	1,668.65	1,630.96	44.269	ES
EXIST HZ BALDRIDGE 1-1 - Wellbore #1 - Wellbore #1	5,200.00	3,468.13	2,217.69	2,153.70	34.658	SF
EXIST HZ BALDRIDGE 17-1 - Wellbore #1 - Wellbore #1	3,814.00	2,633.48	1,591.73	1,548.98	37.234	CC
EXIST HZ BALDRIDGE 17-1 - Wellbore #1 - Wellbore #1	3,900.00	2,693.41	1,592.86	1,548.29	35.736	ES
EXIST HZ BALDRIDGE 17-1 - Wellbore #1 - Wellbore #1	5,500.00	3,890.24	1,974.12	1,897.88	25.895	SF
EXIST HZ BALDRIDGE 2-1 - Wellbore #1 - Wellbore #1	4,142.27	3,131.51	1,218.11	1,166.61	23.654	CC
EXIST HZ BALDRIDGE 2-1 - Wellbore #1 - Wellbore #1	4,200.00	3,185.02	1,218.55	1,165.73	23.072	ES
EXIST HZ BALDRIDGE 2-1 - Wellbore #1 - Wellbore #1	4,900.00	3,691.31	1,324.85	1,260.05	20.443	SF
EXIST HZ BALDRIDGE 7-1 - Wellbore #1 - Wellbore #1	4,389.79	3,039.16	1,611.75	1,556.53	29.188	CC
EXIST HZ BALDRIDGE 7-1 - Wellbore #1 - Wellbore #1	4,600.00	3,223.46	1,615.31	1,554.59	26.603	ES
EXIST HZ BALDRIDGE 7-1 - Wellbore #1 - Wellbore #1	6,900.00	5,195.90	2,106.97	1,993.68	18.597	SF
EXIST HZ BALDRIDGE 8-1 - Wellbore #1 - Wellbore #1	3,518.57	2,224.89	1,783.34	1,747.82	50.214	CC
EXIST HZ BALDRIDGE 8-1 - Wellbore #1 - Wellbore #1	3,600.00	2,284.57	1,784.20	1,747.05	48.027	ES
EXIST HZ BALDRIDGE 8-1 - Wellbore #1 - Wellbore #1	5,900.00	3,936.37	2,436.36	2,353.74	29.488	SF
EXIST HZ SCHNEIDER 16-36 - Wellbore #1 - Wellbore #	3,286.43	2,536.95	1,282.71	1,245.88	34.832	CC
EXIST HZ SCHNEIDER 16-36 - Wellbore #1 - Wellbore #	3,300.00	2,541.14	1,282.77	1,245.74	34.640	ES

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Sec 36-T7N-R67W						
EXIST HZ SCHNEIDER 16-36 - Wellbore #1 - Wellbore #	3,700.00	2,675.12	1,340.32	1,298.24	31.851	SF
EXIST HZ SCHNEIDER 20-36 - Wellbore #1 - Wellbore #	3,129.02	2,694.81	1,023.42	984.86	26.540	CC, ES
EXIST HZ SCHNEIDER 20-36 - Wellbore #1 - Wellbore #	3,400.00	2,777.95	1,054.76	1,012.79	25.130	SF
EXIST HZ SCHNEIDER 33-36 - Wellbore #1 - Wellbore #	2,808.82	2,662.61	658.83	625.25	19.619	CC, ES
EXIST HZ SCHNEIDER 33-36 - Wellbore #1 - Wellbore #	3,000.00	2,741.72	682.21	646.43	19.068	SF
EXIST HZ SCHNEIDER 34-36 - Wellbore #1 - Wellbore #	2,872.45	2,485.94	913.56	881.51	28.511	CC
EXIST HZ SCHNEIDER 34-36 - Wellbore #1 - Wellbore #	2,900.00	2,494.65	913.92	881.47	28.161	ES
EXIST HZ SCHNEIDER 34-36 - Wellbore #1 - Wellbore #	3,100.00	2,543.81	939.00	904.24	27.016	SF
EXIST HZ SCHNEIDER 37-36 - Wellbore #1 - Wellbore #	3,536.22	2,716.58	1,318.66	1,278.22	32.605	CC, ES
EXIST HZ SCHNEIDER 37-36 - Wellbore #1 - Wellbore #	4,200.00	3,100.76	1,428.67	1,378.58	28.522	SF
ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 -	3,761.21	3,155.18	159.79	117.51	3.779	CC
ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 -	3,800.00	3,188.71	161.15	115.92	3.563	ES
ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 -	3,900.00	3,267.59	178.10	127.65	3.530	SF
ICE MAN 2W-15-2N - ORIGINAL WELLBORE - WB #1 -	3,951.79	3,306.43	165.04	120.13	3.675	CC
ICE MAN 2W-15-2N - ORIGINAL WELLBORE - WB #1 -	4,000.00	3,345.29	167.34	118.65	3.437	ES
ICE MAN 2W-15-2N - ORIGINAL WELLBORE - WB #1 -	4,100.00	3,431.63	184.59	129.39	3.344	SF
ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 -	4,176.20	3,497.92	192.22	138.62	3.586	CC
ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 -	4,200.00	3,518.67	192.58	137.20	3.477	ES
ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 -	4,300.00	3,605.76	201.60	139.95	3.270	SF
ICE MAN 2W-15-4N - ORIGINAL WELLBORE - WB #1 -	4,436.29	3,702.35	179.66	123.75	3.213	CC
ICE MAN 2W-15-4N - ORIGINAL WELLBORE - WB #1 -	4,500.00	3,765.65	180.85	118.98	2.923	ES
ICE MAN 2W-15-4N - ORIGINAL WELLBORE - WB #1 -	4,600.00	3,860.37	188.76	119.30	2.718	SF
ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 -	4,741.27	3,968.77	147.84	82.23	2.253	CC
ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 -	4,800.00	4,018.88	150.46	79.26	2.113	ES
ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 -	4,900.00	4,108.01	165.19	87.01	2.113	SF
ICE MAN 2W-15-6N - ORIGINAL WELLBORE - WB #1 -	5,109.72	4,280.65	167.24	96.24	2.355	CC
ICE MAN 2W-15-6N - ORIGINAL WELLBORE - WB #1 -	5,200.00	4,363.71	171.02	90.71	2.129	ES
ICE MAN 2W-15-6N - ORIGINAL WELLBORE - WB #1 -	5,300.00	4,457.26	182.67	94.36	2.069	SF
ICE MAN 2W-15-7N - ORIGINAL WELLBORE - WB #1 -	5,613.26	4,747.81	125.65	32.64	1.351	Level 3, CC
ICE MAN 2W-15-7N - ORIGINAL WELLBORE - WB #1 -	5,700.00	4,827.28	129.60	28.30	1.279	Level 3, ES, SF
MAVERICK 2W-20-01 - OWB - PROPOSAL 1	733.12	731.87	17.10	12.06	3.395	CC
MAVERICK 2W-20-01 - OWB - PROPOSAL 1	20,683.43	20,531.45	529.45	-38.62	0.932	Level 1, ES, SF
MAVERICK 2W-20-03 - OWB - PROPOSAL 1	621.50	622.68	17.23	12.96	4.035	CC
MAVERICK 2W-20-03 - OWB - PROPOSAL 1	700.00	701.15	17.50	12.61	3.574	ES
MAVERICK 2W-20-03 - OWB - PROPOSAL 1	20,683.43	21,297.96	596.28	21.34	1.037	Level 2, SF
MAVERICK 2W-20-04 - OWB - PROPOSAL 1	585.65	587.02	34.59	30.50	8.462	CC
MAVERICK 2W-20-04 - OWB - PROPOSAL 1	600.00	601.34	34.61	30.40	8.237	ES
MAVERICK 2W-20-04 - OWB - PROPOSAL 1	20,683.43	21,369.95	902.82	226.47	1.335	Level 3, SF
Sec 3-T6N-R67W						
ABND VERT BOWER 1-3 - Wellbore #1 - Design #1	16,100.00	7,032.00	466.81	92.86	1.248	Level 2, SF
ABND VERT BOWER 1-3 - Wellbore #1 - Design #1	16,200.00	7,032.00	453.47	91.78	1.254	Level 3, ES
ABND VERT BOWER 1-3 - Wellbore #1 - Design #1	16,211.41	7,032.00	453.32	93.69	1.261	Level 3, CC
ABND VERT MOSIER 1-2 - Wellbore #1 - Design #1	14,672.51	6,973.00	867.60	664.58	4.273	CC
ABND VERT MOSIER 1-2 - Wellbore #1 - Design #1	14,800.00	6,973.00	876.92	658.17	4.009	ES
ABND VERT MOSIER 1-2 - Wellbore #1 - Design #1	14,900.00	6,973.00	896.93	668.73	3.930	SF
ABND VERT OCHSNER 1-3 - Wellbore #1 - Design #1	18,500.00	7,010.00	498.10	185.34	1.593	ES, SF
ABND VERT OCHSNER 1-3 - Wellbore #1 - Design #1	18,508.00	7,010.00	498.04	186.20	1.597	CC
EXIST HZ BOWER 10-3 - Wellbore #1 - Wellbore #1	17,200.00	7,219.79	436.62	145.89	1.502	ES, SF
EXIST HZ BOWER 10-3 - Wellbore #1 - Wellbore #1	17,256.50	7,219.95	432.95	151.09	1.536	CC
EXIST HZ BOWER 15-3 - Wellbore #1 - Wellbore #1	17,311.10	7,392.51	825.44	540.45	2.896	CC
EXIST HZ BOWER 15-3 - Wellbore #1 - Wellbore #1	17,400.00	7,394.07	830.21	532.50	2.789	ES
EXIST HZ BOWER 15-3 - Wellbore #1 - Wellbore #1	17,500.00	7,395.80	846.77	538.48	2.747	SF

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
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Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Sec 5-T6N-R67W						
MICKEY 10 - ORIGINAL WELLBORE - WB # 1 - Patters	18,000.00	17,407.00	1,751.36	1,207.74	3.222	SF
MICKEY 10 - ORIGINAL WELLBORE - WB # 1 - Patters	18,035.04	17,380.51	1,751.03	1,207.58	3.222	CC, ES
MICKEY 11 - ORIGINAL WELLBORE - WB # 1 - Patters	17,900.00	17,312.00	1,568.69	1,018.91	2.853	SF
MICKEY 11 - ORIGINAL WELLBORE - WB # 1 - Patters	17,962.28	17,312.00	1,567.11	1,018.88	2.858	CC, ES
MICKEY 12 - ORIGINAL WELLBORE - WB #1 - Patterso	17,900.00	17,365.00	1,238.50	688.48	2.252	ES, SF
MICKEY 12 - ORIGINAL WELLBORE - WB #1 - Patterso	18,000.00	17,346.49	1,236.34	689.25	2.260	CC
MICKEY 13 - ORIGINAL WELLBORE - WB #1 - Patterso	18,000.00	17,405.44	1,120.16	593.04	2.125	SF
MICKEY 13 - ORIGINAL WELLBORE - WB #1 - Patterso	18,030.10	17,380.44	1,119.94	593.03	2.125	CC, ES
VARRA 10 - Wellbore #1 - Wellbore #1	20,683.43	17,140.00	888.05	448.07	2.018	CC, ES, SF
VARRA 11 - Wellbore #1 - Wellbore #1	20,683.43	16,920.00	968.09	460.70	1.908	CC, ES, SF
VARRA 12 - Wellbore #1 - Wellbore #1	20,683.43	17,070.00	1,281.96	725.86	2.305	CC, ES, SF
VARRA 2 - Wellbore #1 - Wellbore #1	20,683.43	16,991.00	1,104.38	496.00	1.815	CC, ES, SF
VARRA 3 - STK1 - STK1	20,683.43	16,815.00	805.59	268.56	1.500	CC, ES, SF
VARRA 3 - Wellbore #1 - Wellbore #1	20,683.43	15,135.00	2,181.98	1,884.27	7.329	CC, ES, SF
VARRA 4 - Wellbore #1 - Wellbore #1	20,683.43	17,130.00	723.34	174.53	1.318	Level 3, CC, ES, SF
VARRA 5 - Wellbore #1 - Wellbore #1	20,683.43	16,905.00	535.09	13.23	1.025	Level 2, CC, ES, SF
VARRA 6 - Wellbore #1 - Wellbore #1	20,683.43	17,004.00	428.55	237.88	2.248	CC, ES, SF
VARRA 7 - Wellbore #1 - Wellbore #1	20,683.43	17,100.00	454.08	307.59	3.100	CC, ES, SF
VARRA 8 - Wellbore #1 - Wellbore #1	20,683.43	16,848.00	442.92	167.69	1.609	CC, ES, SF
VARRA 9 - STK1 - STK1	20,683.43	16,811.00	708.41	247.48	1.537	CC, ES, SF
VARRA 9 - Wellbore #1 - Wellbore #1	20,683.43	15,770.00	1,474.66	1,294.86	8.202	CC, ES, SF

Offset Design		Sec 12-T6N-R67W - SIMONSEN 11-421 - Wellbore #1 - Wellbore #1											Offset Site Error:		0.00 usft
Survey Program:		144-MWD											Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	40.20	40.20	0.27	0.06	-160.21	-7,839.75	-2,821.46	8,332.01	8,331.67	0.33	N/A			
200.00	200.00	12,310.00	7,272.34	0.63	95.75	-133.57	-2,881.63	-3,029.39	8,266.61	8,212.86	53.75	153.796			
300.00	300.00	12,310.00	7,272.34	0.99	95.75	-133.57	-2,881.63	-3,029.39	8,180.50	8,126.53	53.98	151.560			
400.00	399.98	12,310.00	7,272.34	1.33	95.75	19.29	-2,881.63	-3,029.39	8,093.87	8,039.64	54.24	149.230			
500.00	499.84	12,310.00	7,272.34	1.67	95.75	20.55	-2,881.63	-3,029.39	8,005.93	7,951.40	54.53	146.820			
600.00	599.45	12,310.00	7,272.34	2.03	95.75	21.98	-2,881.63	-3,029.39	7,916.74	7,861.91	54.83	144.389			
700.00	698.70	12,310.00	7,272.34	2.41	95.75	23.62	-2,881.63	-3,029.39	7,826.37	7,771.23	55.14	141.946			
800.00	797.47	12,310.00	7,272.34	2.81	95.75	25.50	-2,881.63	-3,029.39	7,734.89	7,679.44	55.45	139.499			
900.00	895.62	12,310.00	7,272.34	3.25	95.75	27.68	-2,881.63	-3,029.39	7,642.38	7,586.61	55.76	137.053			
1,000.00	993.06	12,310.00	7,272.34	3.72	95.75	30.23	-2,881.63	-3,029.39	7,548.90	7,492.82	56.08	134.612			
1,100.00	1,089.64	12,310.00	7,272.34	4.23	95.75	33.22	-2,881.63	-3,029.39	7,454.55	7,398.15	56.40	132.182			
1,200.00	1,185.27	12,310.00	7,272.34	4.78	95.75	36.77	-2,881.63	-3,029.39	7,359.40	7,302.69	56.71	129.765			
1,300.00	1,279.82	12,310.00	7,272.34	5.38	95.75	40.99	-2,881.63	-3,029.39	7,263.55	7,206.52	57.03	127.363			
1,400.00	1,373.17	12,310.00	7,272.34	6.03	95.75	46.04	-2,881.63	-3,029.39	7,167.07	7,109.73	57.35	124.979			
1,500.00	1,465.21	12,310.00	7,272.34	6.73	95.75	52.06	-2,881.63	-3,029.39	7,070.08	7,012.41	57.66	122.615			
1,600.00	1,555.84	12,310.00	7,272.34	7.48	95.75	59.19	-2,881.63	-3,029.39	6,972.65	6,914.68	57.97	120.272			
1,700.00	1,644.94	12,310.00	7,272.34	8.28	95.75	67.44	-2,881.63	-3,029.39	6,874.91	6,816.63	58.29	117.950			
1,800.00	1,732.39	12,310.00	7,272.34	9.13	95.75	76.70	-2,881.63	-3,029.39	6,776.96	6,718.36	58.60	115.651			
1,900.00	1,818.11	12,310.00	7,272.34	10.04	95.75	86.58	-2,881.63	-3,029.39	6,678.90	6,619.99	58.91	113.375			
2,000.00	1,901.97	12,310.00	7,272.34	11.00	95.75	96.51	-2,881.63	-3,029.39	6,580.86	6,521.64	59.22	111.122			
2,100.00	1,983.88	12,310.00	7,272.34	12.01	95.75	105.92	-2,881.63	-3,029.39	6,482.96	6,423.43	59.54	108.892			
2,200.00	2,063.74	12,310.00	7,272.34	13.07	95.75	114.39	-2,881.63	-3,029.39	6,385.33	6,325.48	59.85	106.684			

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 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				
2,300.00	2,141.45	12,310.00	7,272.34	14.19	95.75	121.73	-2,881.63	-3,029.39	6,288.10	6,227.93	60.18	104.497				
2,400.00	2,216.92	12,310.00	7,272.34	15.35	95.75	127.95	-2,881.63	-3,029.39	6,191.42	6,130.91	60.50	102.330				
2,500.00	2,290.05	12,310.00	7,272.34	16.57	95.75	133.15	-2,881.63	-3,029.39	6,095.42	6,034.58	60.84	100.183				
2,600.00	2,360.76	12,310.00	7,272.34	17.83	95.75	137.51	-2,881.63	-3,029.39	6,000.27	5,939.07	61.19	98.055				
2,700.00	2,428.95	12,310.00	7,272.34	19.14	95.75	141.15	-2,881.63	-3,029.39	5,906.11	5,844.55	61.56	95.944				
2,800.00	2,494.55	12,310.00	7,272.34	20.50	95.75	144.22	-2,881.63	-3,029.39	5,813.13	5,751.19	61.94	93.851				
2,900.00	2,557.48	12,310.00	7,272.34	21.89	95.75	146.81	-2,881.63	-3,029.39	5,721.48	5,659.14	62.34	91.776				
3,000.00	2,618.26	12,310.00	7,272.34	23.33	95.75	147.61	-2,881.63	-3,029.39	5,631.08	5,568.31	62.77	89.711				
3,100.00	2,678.87	12,310.00	7,272.34	24.77	95.75	147.61	-2,881.63	-3,029.39	5,541.08	5,477.85	63.23	87.627				
3,200.00	2,739.49	12,310.00	7,272.34	26.22	95.75	147.61	-2,881.63	-3,029.39	5,451.43	5,387.70	63.73	85.539				
3,300.00	2,800.10	12,310.00	7,272.34	27.68	95.75	147.61	-2,881.63	-3,029.39	5,362.15	5,297.89	64.26	83.450				
3,400.00	2,860.71	12,310.00	7,272.34	29.14	95.75	147.61	-2,881.63	-3,029.39	5,273.25	5,208.44	64.81	81.366				
3,500.00	2,921.32	12,310.00	7,272.34	30.60	95.75	147.61	-2,881.63	-3,029.39	5,184.76	5,119.37	65.39	79.290				
3,600.00	2,981.94	12,310.00	7,272.34	32.07	95.75	147.61	-2,881.63	-3,029.39	5,096.69	5,030.69	66.00	77.226				
3,700.00	3,042.55	12,310.00	7,272.34	33.54	95.75	147.61	-2,881.63	-3,029.39	5,009.07	4,942.44	66.63	75.176				
3,800.00	3,103.16	12,310.00	7,272.34	35.01	95.75	147.61	-2,881.63	-3,029.39	4,921.92	4,854.63	67.29	73.142				
3,900.00	3,163.77	12,310.00	7,272.34	36.48	95.75	147.61	-2,881.63	-3,029.39	4,835.27	4,767.29	67.98	71.128				
4,000.00	3,224.39	12,310.00	7,272.34	37.96	95.75	147.61	-2,881.63	-3,029.39	4,749.15	4,680.45	68.69	69.136				
4,100.00	3,285.00	12,310.00	7,272.34	39.44	95.75	147.61	-2,881.63	-3,029.39	4,663.57	4,594.14	69.43	67.167				
4,200.00	3,345.61	12,310.00	7,272.34	40.92	95.75	147.61	-2,881.63	-3,029.39	4,578.59	4,508.39	70.20	65.224				
4,300.00	3,406.22	12,310.00	7,272.34	42.40	95.75	147.61	-2,881.63	-3,029.39	4,494.22	4,423.23	70.99	63.308				
4,400.00	3,466.84	12,310.00	7,272.34	43.88	95.75	147.61	-2,881.63	-3,029.39	4,410.50	4,338.69	71.81	61.420				
4,500.00	3,527.45	12,310.00	7,272.34	45.36	95.75	147.61	-2,881.63	-3,029.39	4,327.48	4,254.82	72.65	59.563				
4,600.00	3,588.06	12,310.00	7,272.34	46.84	95.75	147.61	-2,881.63	-3,029.39	4,245.19	4,171.66	73.53	57.737				
4,700.00	3,648.67	12,310.00	7,272.34	48.33	95.75	147.61	-2,881.63	-3,029.39	4,163.67	4,089.24	74.43	55.944				
4,800.00	3,709.29	12,310.00	7,272.34	49.81	95.75	147.61	-2,881.63	-3,029.39	4,082.97	4,007.62	75.35	54.186				
4,900.00	3,769.90	12,310.00	7,272.34	51.30	95.75	147.61	-2,881.63	-3,029.39	4,003.15	3,926.84	76.30	52.463				
5,000.00	3,830.51	12,310.00	7,272.34	52.78	95.75	147.61	-2,881.63	-3,029.39	3,924.25	3,846.97	77.28	50.777				
5,100.00	3,891.12	12,310.00	7,272.34	54.27	95.75	147.61	-2,881.63	-3,029.39	3,846.33	3,768.04	78.29	49.129				
5,200.00	3,951.74	12,310.00	7,272.34	55.76	95.75	147.61	-2,881.63	-3,029.39	3,769.46	3,690.13	79.32	47.520				
5,300.00	4,012.35	12,310.00	7,272.34	57.25	95.75	147.61	-2,881.63	-3,029.39	3,693.69	3,613.31	80.38	45.952				
5,400.00	4,072.96	12,310.00	7,272.34	58.73	95.75	147.61	-2,881.63	-3,029.39	3,619.10	3,537.63	81.46	44.425				
5,500.00	4,133.58	12,310.00	7,272.34	60.22	95.75	147.61	-2,881.63	-3,029.39	3,545.76	3,463.19	82.57	42.942				
5,600.00	4,194.19	12,310.00	7,272.34	61.71	95.75	147.61	-2,881.63	-3,029.39	3,473.75	3,390.05	83.70	41.502				
5,700.00	4,254.80	12,310.00	7,272.34	63.20	95.75	147.61	-2,881.63	-3,029.39	3,403.16	3,318.31	84.85	40.108				
5,800.00	4,315.41	12,304.84	7,272.43	64.69	95.66	147.62	-2,886.78	-3,029.61	3,334.06	3,248.14	85.92	38.803				
5,900.00	4,376.03	12,223.13	7,273.77	66.18	94.28	147.79	-2,968.40	-3,033.08	3,265.55	3,179.96	85.59	38.155				
6,000.00	4,436.64	12,150.70	7,274.88	67.67	93.06	147.94	-3,040.75	-3,036.28	3,197.02	3,111.60	85.42	37.426				
6,100.00	4,497.25	12,097.61	7,276.12	69.17	92.16	148.06	-3,093.79	-3,038.17	3,128.74	3,043.13	85.61	36.546				
6,200.00	4,557.86	12,035.54	7,277.57	70.66	91.12	148.21	-3,155.80	-3,040.63	3,060.65	2,975.01	85.63	35.741				
6,300.00	4,618.48	11,973.63	7,279.53	72.15	90.07	148.38	-3,217.65	-3,042.59	2,992.88	2,907.24	85.64	34.947				
6,400.00	4,679.09	11,924.17	7,281.56	73.64	89.24	148.53	-3,267.05	-3,043.88	2,925.59	2,839.69	85.90	34.059				
6,500.00	4,739.70	11,882.00	7,283.76	75.13	88.52	148.67	-3,309.15	-3,044.98	2,859.07	2,772.75	86.31	33.124				
6,600.00	4,800.31	11,438.00	7,281.43	76.62	81.01	150.43	-3,752.47	-3,043.90	2,786.47	2,709.21	77.26	36.066				
6,700.00	4,860.93	11,406.00	7,280.17	78.12	80.46	150.63	-3,784.36	-3,041.65	2,711.51	2,633.75	77.76	34.868				
6,800.00	4,921.54	11,374.00	7,279.36	79.61	79.91	150.84	-3,816.25	-3,039.11	2,637.33	2,559.05	78.28	33.692				
6,900.00	4,982.15	11,342.00	7,279.36	81.10	79.37	151.08	-3,848.15	-3,036.58	2,564.41	2,485.61	78.80	32.543				
7,000.00	5,042.76	11,289.83	7,279.84	82.60	78.48	151.47	-3,900.18	-3,032.82	2,492.41	2,413.66	78.76	31.646				
7,100.00	5,103.38	11,207.64	7,279.48	84.09	77.08	152.06	-3,982.23	-3,028.03	2,420.13	2,342.26	77.86	31.082				
7,200.00	5,163.99	11,141.21	7,278.66	85.58	75.96	152.55	-4,048.58	-3,024.79	2,347.69	2,270.27	77.42	30.323				
7,300.00	5,224.60	11,084.02	7,278.04	87.07	74.99	152.98	-4,105.72	-3,022.41	2,275.62	2,198.36	77.26	29.455				
7,400.00	5,285.21	11,039.44	7,277.77	88.57	74.24	153.33	-4,150.26	-3,020.68	2,204.06	2,126.58	77.48	28.446				

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 144-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,500.00	5,345.83	10,981.99	7,278.25	90.06	73.28	153.82	-4,207.66	-3,018.31	2,133.40	2,056.11	77.29	27.603		
7,600.00	5,406.44	10,930.00	7,278.66	91.56	72.41	154.26	-4,259.62	-3,016.83	2,063.17	1,985.88	77.29	26.693		
7,700.00	5,467.05	10,852.83	7,279.32	93.05	71.12	154.91	-4,336.78	-3,015.83	1,993.51	1,917.02	76.49	26.061		
7,800.00	5,527.66	10,741.00	7,278.25	94.54	69.27	155.92	-4,448.59	-3,014.25	1,922.68	1,848.22	74.47	25.818		
7,900.00	5,588.28	10,691.73	7,277.59	96.04	68.46	156.42	-4,497.84	-3,013.17	1,851.63	1,777.10	74.53	24.846		
8,000.00	5,648.89	10,641.17	7,277.36	97.53	67.63	156.93	-4,548.40	-3,012.66	1,781.53	1,706.97	74.56	23.895		
8,100.00	5,709.50	10,575.20	7,277.17	99.03	66.55	157.62	-4,614.37	-3,012.82	1,711.98	1,637.93	74.05	23.120		
8,200.00	5,770.11	10,476.22	7,276.30	100.52	64.94	158.70	-4,713.34	-3,013.76	1,642.48	1,570.22	72.26	22.729		
8,300.00	5,830.73	10,396.62	7,275.06	102.02	63.63	159.83	-4,792.88	-3,011.03	1,571.66	1,500.67	70.99	22.139		
8,400.00	5,891.34	10,347.36	7,274.72	103.51	62.83	160.61	-4,842.09	-3,008.86	1,501.51	1,430.58	70.93	21.169		
8,500.00	5,951.95	10,297.00	7,274.84	105.01	62.01	161.43	-4,892.42	-3,007.31	1,432.54	1,361.69	70.85	20.218		
8,600.00	6,012.57	10,159.28	7,272.53	106.50	59.79	163.77	-5,030.10	-3,006.17	1,363.43	1,296.53	66.90	20.380		
8,700.00	6,073.18	10,004.73	7,260.43	108.00	57.31	167.13	-5,183.99	-3,000.28	1,289.59	1,227.82	61.77	20.878		
8,800.00	6,133.79	9,948.00	7,254.27	109.49	56.40	168.62	-5,240.31	-2,997.36	1,214.42	1,153.23	61.19	19.846		
8,900.00	6,194.40	9,916.00	7,251.09	110.98	55.89	169.53	-5,272.10	-2,995.56	1,140.54	1,078.62	61.92	18.420		
9,000.00	6,255.02	9,885.00	7,249.15	112.48	55.40	170.49	-5,302.98	-2,993.72	1,069.36	1,006.51	62.84	17.017		
9,100.00	6,315.63	9,853.00	7,248.45	113.98	54.89	171.55	-5,334.91	-2,991.78	1,001.35	937.46	63.89	15.672		
9,200.00	6,376.24	9,781.91	7,247.87	115.47	53.77	173.93	-5,405.96	-2,989.93	935.90	872.76	63.15	14.821		
9,300.00	6,436.85	9,726.37	7,247.46	116.97	52.90	175.99	-5,461.49	-2,988.55	871.55	808.01	63.54	13.716		
9,400.00	6,497.47	9,654.05	7,246.78	118.46	51.77	179.43	-5,533.37	-2,981.02	808.47	744.76	63.71	12.690		
9,500.00	6,558.08	9,587.46	7,246.15	119.96	50.72	-176.88	-5,599.35	-2,972.12	747.87	682.56	65.31	11.451		
9,600.00	6,618.69	9,528.37	7,245.56	121.45	49.80	-173.20	-5,657.77	-2,963.28	690.62	621.91	68.72	10.050		
9,700.00	6,679.30	9,462.37	7,244.86	122.95	48.78	-168.78	-5,723.18	-2,954.54	637.43	563.58	73.85	8.631		
9,800.00	6,739.92	9,389.86	7,244.12	124.44	47.67	-163.56	-5,795.20	-2,946.27	589.22	507.93	81.29	7.248		
9,900.00	6,799.82	9,315.88	7,243.91	125.96	46.56	-160.02	-5,869.07	-2,942.65	547.77	456.73	91.04	6.017		
10,000.00	6,854.86	9,250.34	7,244.10	127.56	45.60	-158.74	-5,934.61	-2,941.73	524.03	419.71	104.32	5.023		
10,049.34	6,879.55	9,218.51	7,244.35	128.38	45.14	-158.21	-5,966.43	-2,942.06	520.92	409.14	111.78	4.660 CC		
10,100.00	6,902.95	9,188.29	7,244.56	129.22	44.70	-157.89	-5,996.65	-2,942.59	524.33	404.80	119.53	4.387 ES		
10,200.00	6,942.63	9,148.31	7,244.76	130.85	44.13	-159.18	-6,036.63	-2,942.94	551.86	419.10	132.77	4.157 SF		
10,300.00	6,972.70	9,124.00	7,244.76	132.42	43.78	-162.56	-6,060.93	-2,942.83	604.89	462.79	142.10	4.257		
10,400.00	6,992.24	9,108.25	7,244.69	133.85	43.56	-168.50	-6,076.68	-2,942.50	677.84	529.81	148.03	4.579		
10,500.00	7,000.67	9,105.23	7,244.67	135.10	43.51	179.34	-6,079.70	-2,942.39	764.03	612.69	151.34	5.049		
10,600.00	7,001.00	9,106.83	7,244.68	136.21	43.54	174.71	-6,078.10	-2,942.45	856.58	703.16	153.42	5.583		
10,700.00	7,001.00	9,108.38	7,244.69	137.35	43.56	174.42	-6,076.55	-2,942.50	950.73	795.83	154.90	6.138		
10,800.00	7,001.00	9,109.74	7,244.70	138.52	43.58	174.17	-6,075.19	-2,942.54	1,045.96	889.97	155.99	6.705		
10,900.00	7,001.00	9,110.94	7,244.70	139.72	43.60	173.94	-6,073.99	-2,942.58	1,142.00	985.18	156.82	7.282		
11,000.00	7,001.00	9,112.01	7,244.71	140.95	43.61	173.74	-6,072.93	-2,942.61	1,238.67	1,081.21	157.46	7.866		
11,100.00	7,001.00	9,112.96	7,244.71	142.22	43.62	173.57	-6,071.97	-2,942.64	1,335.83	1,177.86	157.97	8.456		
11,200.00	7,001.00	9,124.00	7,244.76	143.52	43.78	171.51	-6,060.93	-2,942.83	1,433.49	1,275.50	157.99	9.073		
11,300.00	7,001.00	9,124.00	7,244.76	144.85	43.78	171.51	-6,060.93	-2,942.83	1,531.33	1,372.96	158.37	9.670		
11,400.00	7,001.00	9,124.00	7,244.76	146.21	43.78	171.51	-6,060.93	-2,942.83	1,629.44	1,470.75	158.68	10.269		
11,500.00	7,001.00	9,124.00	7,244.76	147.61	43.78	171.51	-6,060.93	-2,942.83	1,727.76	1,568.81	158.94	10.870		
11,600.00	7,001.00	9,124.00	7,244.76	149.03	43.78	171.51	-6,060.93	-2,942.83	1,826.26	1,667.09	159.17	11.474		
11,700.00	7,001.00	9,124.00	7,244.76	150.49	43.78	171.51	-6,060.93	-2,942.83	1,924.92	1,765.56	159.36	12.079		
11,800.00	7,001.00	9,124.00	7,244.76	151.98	43.78	171.51	-6,060.93	-2,942.83	2,023.71	1,864.19	159.52	12.686		
11,900.00	7,001.00	9,124.00	7,244.76	153.50	43.78	171.51	-6,060.93	-2,942.83	2,122.61	1,962.94	159.67	13.294		
12,000.00	7,001.00	9,124.00	7,244.76	155.05	43.78	171.51	-6,060.93	-2,942.83	2,221.61	2,061.82	159.80	13.903		
12,100.00	7,001.00	9,124.00	7,244.76	156.62	43.78	171.51	-6,060.93	-2,942.83	2,320.70	2,160.79	159.91	14.513		
12,200.00	7,001.00	9,124.00	7,244.76	158.23	43.78	171.51	-6,060.93	-2,942.83	2,419.86	2,259.86	160.01	15.123		
12,300.00	7,001.00	9,124.00	7,244.76	159.87	43.78	171.51	-6,060.93	-2,942.83	2,519.09	2,358.99	160.10	15.735		
12,400.00	7,001.00	9,124.00	7,244.76	161.53	43.78	171.51	-6,060.93	-2,942.83	2,618.38	2,458.20	160.18	16.347		
12,500.00	7,001.00	9,124.00	7,244.76	163.22	43.78	171.51	-6,060.93	-2,942.83	2,717.72	2,557.47	160.25	16.959		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 144-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,600.00	7,001.00	9,124.00	7,244.76	164.94	43.78	171.51	-6,060.93	-2,942.83	2,817.10	2,656.78	160.32	17.572		
12,700.00	7,001.00	9,124.00	7,244.76	166.69	43.78	171.51	-6,060.93	-2,942.83	2,916.53	2,756.15	160.38	18.185		
12,800.00	7,001.00	9,124.00	7,244.76	168.46	43.78	171.51	-6,060.93	-2,942.83	3,016.00	2,855.56	160.44	18.798		
12,900.00	7,001.00	9,124.00	7,244.76	170.26	43.78	171.51	-6,060.93	-2,942.83	3,115.50	2,955.01	160.49	19.412		
13,000.00	7,001.00	9,124.00	7,244.76	172.08	43.78	171.51	-6,060.93	-2,942.83	3,215.03	3,054.49	160.54	20.026		
13,100.00	7,001.00	9,124.00	7,244.76	173.92	43.78	171.51	-6,060.93	-2,942.83	3,314.59	3,154.00	160.59	20.640		
13,200.00	7,001.00	9,124.00	7,244.76	175.79	43.78	171.51	-6,060.93	-2,942.83	3,414.17	3,253.54	160.63	21.255		
13,300.00	7,001.00	9,124.00	7,244.76	177.68	43.78	171.51	-6,060.93	-2,942.83	3,513.78	3,353.11	160.67	21.869		
13,400.00	7,001.00	9,124.00	7,244.76	179.60	43.78	171.51	-6,060.93	-2,942.83	3,613.41	3,452.70	160.71	22.484		
13,500.00	7,001.00	9,124.00	7,244.76	181.53	43.78	171.51	-6,060.93	-2,942.83	3,713.06	3,552.31	160.75	23.098		
13,600.00	7,001.00	9,124.00	7,244.76	183.49	43.78	171.51	-6,060.93	-2,942.83	3,812.73	3,651.95	160.79	23.713		
13,700.00	7,001.00	9,124.00	7,244.76	185.47	43.78	171.51	-6,060.93	-2,942.83	3,912.42	3,751.60	160.82	24.328		
13,800.00	7,001.00	9,124.00	7,244.76	187.47	43.78	171.51	-6,060.93	-2,942.83	4,012.12	3,851.27	160.85	24.943		
13,900.00	7,001.00	9,124.00	7,244.76	189.49	43.78	171.51	-6,060.93	-2,942.83	4,111.83	3,950.95	160.89	25.557		
14,000.00	7,001.00	9,124.00	7,244.76	191.53	43.78	171.51	-6,060.93	-2,942.83	4,211.56	4,050.65	160.92	26.172		
14,100.00	7,001.00	9,660.34	7,246.86	193.58	51.87	117.77	-5,527.14	-2,981.94	4,310.55	4,158.33	152.21	28.319		
14,200.00	7,001.00	9,663.00	7,246.88	195.66	51.91	117.67	-5,524.51	-2,982.29	4,409.41	4,257.04	152.37	28.939		
14,300.00	7,001.00	9,663.00	7,246.88	197.75	51.91	117.67	-5,524.51	-2,982.29	4,508.32	4,355.75	152.56	29.551		
14,400.00	7,001.00	9,677.30	7,247.04	199.85	52.13	117.12	-5,510.34	-2,984.26	4,607.13	4,454.60	152.53	30.205		
14,500.00	7,001.00	9,679.28	7,247.06	201.98	52.16	117.04	-5,508.38	-2,984.51	4,706.09	4,553.41	152.68	30.823		
14,600.00	7,001.00	9,681.18	7,247.08	204.12	52.19	116.97	-5,506.49	-2,984.75	4,805.08	4,652.26	152.83	31.441		
14,700.00	7,001.00	9,695.00	7,247.21	206.27	52.41	116.46	-5,492.77	-2,986.36	4,904.22	4,751.42	152.80	32.095		
14,800.00	7,001.00	9,695.00	7,247.21	208.45	52.41	116.46	-5,492.77	-2,986.36	5,003.26	4,850.29	152.97	32.708		
14,900.00	7,001.00	9,695.00	7,247.21	210.63	52.41	116.46	-5,492.77	-2,986.36	5,102.33	4,949.21	153.12	33.322		
15,000.00	7,001.00	9,695.00	7,247.21	212.83	52.41	116.46	-5,492.77	-2,986.36	5,201.45	5,048.17	153.28	33.935		
15,100.00	7,001.00	9,695.00	7,247.21	215.04	52.41	116.46	-5,492.77	-2,986.36	5,300.59	5,147.17	153.42	34.549		
15,200.00	7,001.00	9,695.00	7,247.21	217.27	52.41	116.46	-5,492.77	-2,986.36	5,399.77	5,246.20	153.57	35.163		
15,300.00	7,001.00	9,695.00	7,247.21	219.51	52.41	116.46	-5,492.77	-2,986.36	5,498.97	5,345.27	153.70	35.777		
15,400.00	7,001.00	9,695.00	7,247.21	221.76	52.41	116.46	-5,492.77	-2,986.36	5,598.21	5,444.37	153.84	36.391		
15,500.00	7,001.00	9,695.00	7,247.21	224.02	52.41	116.46	-5,492.77	-2,986.36	5,697.47	5,543.51	153.96	37.005		
15,600.00	7,001.00	9,695.00	7,247.21	226.30	52.41	116.46	-5,492.77	-2,986.36	5,796.76	5,642.67	154.09	37.620		
15,700.00	7,001.00	9,695.00	7,247.21	228.58	52.41	116.46	-5,492.77	-2,986.36	5,896.07	5,741.86	154.21	38.234		
15,800.00	7,001.00	9,695.00	7,247.21	230.88	52.41	116.46	-5,492.77	-2,986.36	5,995.40	5,841.08	154.33	38.849		
15,900.00	7,001.00	9,695.00	7,247.21	233.19	52.41	116.46	-5,492.77	-2,986.36	6,094.76	5,940.32	154.44	39.463		
16,000.00	7,001.00	9,695.00	7,247.21	235.50	52.41	116.46	-5,492.77	-2,986.36	6,194.14	6,039.58	154.55	40.078		
16,100.00	7,001.00	9,695.00	7,247.21	237.83	52.41	116.46	-5,492.77	-2,986.36	6,293.53	6,138.87	154.66	40.693		
16,200.00	7,001.00	9,695.00	7,247.21	240.17	52.41	116.46	-5,492.77	-2,986.36	6,392.95	6,238.18	154.77	41.307		
16,300.00	7,001.00	9,695.00	7,247.21	242.52	52.41	116.46	-5,492.77	-2,986.36	6,492.38	6,337.51	154.87	41.922		
16,400.00	7,001.00	9,695.00	7,247.21	244.87	52.41	116.46	-5,492.77	-2,986.36	6,591.83	6,436.86	154.97	42.537		
16,500.00	7,001.00	9,695.00	7,247.21	247.24	52.41	116.46	-5,492.77	-2,986.36	6,691.30	6,536.23	155.07	43.151		
16,600.00	7,001.00	9,695.00	7,247.21	249.61	52.41	116.46	-5,492.77	-2,986.36	6,790.78	6,635.62	155.16	43.766		
16,700.00	7,001.00	9,695.00	7,247.21	251.99	52.41	116.46	-5,492.77	-2,986.36	6,890.28	6,735.02	155.26	44.380		
16,800.00	7,001.00	9,695.00	7,247.21	254.38	52.41	116.46	-5,492.77	-2,986.36	6,989.79	6,834.44	155.35	44.995		
16,900.00	7,001.00	9,695.00	7,247.21	256.78	52.41	116.46	-5,492.77	-2,986.36	7,089.31	6,933.88	155.44	45.609		
17,000.00	7,001.00	9,695.00	7,247.21	259.18	52.41	116.46	-5,492.77	-2,986.36	7,188.85	7,033.33	155.52	46.224		
17,100.00	7,001.00	9,695.00	7,247.21	261.59	52.41	116.46	-5,492.77	-2,986.36	7,288.40	7,132.79	155.61	46.838		
17,200.00	7,001.00	9,695.00	7,247.21	264.01	52.41	116.46	-5,492.77	-2,986.36	7,387.97	7,232.27	155.69	47.452		
17,300.00	7,001.00	9,695.00	7,247.21	266.44	52.41	116.46	-5,492.77	-2,986.36	7,487.54	7,331.76	155.78	48.066		
17,400.00	7,001.00	9,695.00	7,247.21	268.87	52.41	116.46	-5,492.77	-2,986.36	7,587.13	7,431.27	155.86	48.680		
17,500.00	7,001.00	9,695.00	7,247.21	271.31	52.41	116.46	-5,492.77	-2,986.36	7,686.72	7,530.79	155.94	49.294		
17,600.00	7,001.00	9,695.00	7,247.21	273.75	52.41	116.46	-5,492.77	-2,986.36	7,786.33	7,630.32	156.02	49.907		
17,700.00	7,001.00	9,695.00	7,247.21	276.20	52.41	116.46	-5,492.77	-2,986.36	7,885.95	7,729.86	156.09	50.521		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 144-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
17,800.00	7,001.00	9,695.00	7,247.21	278.66	52.41	116.46	-5,492.77	-2,986.36	7,985.58	7,829.41	156.17	51.134	
17,900.00	7,001.00	9,695.00	7,247.21	281.12	52.41	116.46	-5,492.77	-2,986.36	8,085.21	7,928.97	156.24	51.747	
18,000.00	7,001.00	9,695.00	7,247.21	283.59	52.41	122.99	-5,492.77	-2,986.36	8,184.89	8,028.57	156.32	52.361	
18,100.00	7,001.00	9,695.00	7,247.21	286.09	52.41	149.04	-5,492.77	-2,986.36	8,284.73	8,128.37	156.37	52.983	
18,200.00	7,001.00	9,695.00	7,247.21	288.62	52.41	-161.32	-5,492.77	-2,986.36	8,384.66	8,228.27	156.39	53.612	
18,300.00	7,001.00	9,695.00	7,247.21	291.16	52.41	-161.32	-5,492.77	-2,986.36	8,484.59	8,328.18	156.41	54.245	
18,400.00	7,001.00	9,695.00	7,247.21	293.71	52.41	-161.32	-5,492.77	-2,986.36	8,584.52	8,428.09	156.43	54.877	
18,500.00	7,001.00	9,695.00	7,247.21	296.26	52.41	-161.32	-5,492.77	-2,986.36	8,684.45	8,528.00	156.45	55.509	
18,600.00	7,001.00	9,695.00	7,247.21	298.81	52.41	-161.32	-5,492.77	-2,986.36	8,784.38	8,627.91	156.47	56.141	
18,700.00	7,001.00	9,695.00	7,247.21	301.36	52.41	-161.32	-5,492.77	-2,986.36	8,884.31	8,727.82	156.49	56.772	
18,800.00	7,001.00	9,695.00	7,247.21	303.92	52.41	-161.32	-5,492.77	-2,986.36	8,984.25	8,827.74	156.51	57.404	
18,900.00	7,001.00	9,695.00	7,247.21	306.48	52.41	-161.32	-5,492.77	-2,986.36	9,084.18	8,927.65	156.53	58.034	
19,000.00	7,001.00	9,695.00	7,247.21	309.04	52.41	-161.32	-5,492.77	-2,986.36	9,184.12	9,027.57	156.55	58.665	
19,100.00	7,001.00	9,695.00	7,247.21	311.61	52.41	-161.32	-5,492.77	-2,986.36	9,284.06	9,127.49	156.57	59.295	
19,200.00	7,001.00	9,695.00	7,247.21	314.18	52.41	-161.32	-5,492.77	-2,986.36	9,384.00	9,227.41	156.60	59.925	
19,300.00	7,001.00	9,695.00	7,247.21	316.75	52.41	-161.32	-5,492.77	-2,986.36	9,483.94	9,327.32	156.62	60.555	
19,400.00	7,001.00	9,695.00	7,247.21	319.32	52.41	-161.32	-5,492.77	-2,986.36	9,583.89	9,427.25	156.64	61.184	
19,500.00	7,001.00	9,695.00	7,247.21	321.90	52.41	-161.32	-5,492.77	-2,986.36	9,683.83	9,527.17	156.66	61.813	
19,600.00	7,001.00	9,695.00	7,247.21	324.48	52.41	-161.32	-5,492.77	-2,986.36	9,783.77	9,627.09	156.69	62.442	
19,700.00	7,001.00	9,695.00	7,247.21	327.05	52.41	157.67	-5,492.77	-2,986.36	9,883.72	9,727.01	156.71	63.068	
19,800.00	7,001.00	9,695.00	7,247.21	329.62	52.41	122.90	-5,492.77	-2,986.36	9,983.63	9,826.87	156.76	63.688	
19,900.00	7,001.00	9,695.00	7,247.21	332.16	52.41	111.21	-5,492.77	-2,986.36	10,083.37	9,926.55	156.82	64.298	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 149-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	12,126.00	7,107.01	0.00	94.24	-141.99	-2,888.49	-2,257.73	8,049.37					
100.00	100.00	12,126.00	7,107.01	0.27	94.24	-141.99	-2,888.49	-2,257.73	7,960.48	7,911.19	49.29	161.515		
200.00	200.00	12,126.00	7,107.01	0.63	94.24	-141.99	-2,888.49	-2,257.73	7,871.85	7,822.46	49.39	159.394		
300.00	300.00	12,126.00	7,107.01	0.99	94.24	-141.99	-2,888.49	-2,257.73	7,783.49	7,733.99	49.51	157.220		
400.00	399.98	12,126.00	7,107.01	1.33	94.24	10.44	-2,888.49	-2,257.73	7,694.62	7,644.96	49.66	154.942		
500.00	499.84	12,126.00	7,107.01	1.67	94.24	11.22	-2,888.49	-2,257.73	7,604.48	7,554.64	49.84	152.569		
600.00	599.45	12,126.00	7,107.01	2.03	94.24	12.13	-2,888.49	-2,257.73	7,513.13	7,463.10	50.03	150.165		
700.00	698.70	12,126.00	7,107.01	2.41	94.24	13.19	-2,888.49	-2,257.73	7,420.65	7,370.42	50.23	147.741		
800.00	797.47	12,126.00	7,107.01	2.81	94.24	14.46	-2,888.49	-2,257.73	7,327.10	7,276.68	50.43	145.305		
900.00	895.62	12,126.00	7,107.01	3.25	94.24	15.98	-2,888.49	-2,257.73	7,232.56	7,181.94	50.63	142.863		
1,000.00	993.06	12,126.00	7,107.01	3.72	94.24	17.85	-2,888.49	-2,257.73	7,137.11	7,086.29	50.83	140.422		
1,100.00	1,089.64	12,126.00	7,107.01	4.23	94.24	20.17	-2,888.49	-2,257.73	7,040.83	6,989.80	51.03	137.986		
1,200.00	1,185.27	12,126.00	7,107.01	4.78	94.24	23.13	-2,888.49	-2,257.73	6,943.80	6,892.58	51.22	135.560		
1,300.00	1,279.82	12,126.00	7,107.01	5.38	94.24	26.99	-2,888.49	-2,257.73	6,846.12	6,794.70	51.42	133.148		
1,400.00	1,373.17	12,126.00	7,107.01	6.03	94.24	32.20	-2,888.49	-2,257.73	6,747.87	6,696.26	51.61	130.753		
1,500.00	1,465.21	12,126.00	7,107.01	6.73	94.24	39.42	-2,888.49	-2,257.73	6,649.16	6,597.37	51.79	128.379		
1,600.00	1,555.84	12,126.00	7,107.01	7.48	94.24	49.67	-2,888.49	-2,257.73	6,550.08	6,498.11	51.97	126.028		
1,700.00	1,644.94	12,126.00	7,107.01	8.28	94.24	64.07	-2,888.49	-2,257.73	6,450.75	6,398.60	52.15	123.701		
1,800.00	1,732.39	12,126.00	7,107.01	9.13	94.24	82.68	-2,888.49	-2,257.73	6,351.27	6,298.96	52.32	121.401		
1,900.00	1,818.11	12,126.00	7,107.01	10.04	94.24	102.61	-2,888.49	-2,257.73	6,251.77	6,199.29	52.48	119.130		
2,000.00	1,901.97	12,126.00	7,107.01	11.00	94.24	119.69	-2,888.49	-2,257.73	6,152.35	6,099.72	52.64	116.887		
2,100.00	1,983.88	12,126.00	7,107.01	12.01	94.24	132.31	-2,888.49	-2,257.73	6,053.17	6,000.38	52.79	114.673		
2,200.00	2,063.74	12,126.00	7,107.01	13.07	94.24	141.20	-2,888.49	-2,257.73	5,954.34	5,901.40	52.93	112.486		
2,300.00	2,141.45	12,126.00	7,107.01	14.19	94.24	147.50	-2,888.49	-2,257.73	5,856.01	5,802.93	53.08	110.326		
2,400.00	2,216.92	12,126.00	7,107.01	15.35	94.24	152.10	-2,888.49	-2,257.73	5,758.33	5,705.10	53.22	108.189		
2,500.00	2,290.05	12,126.00	7,107.01	16.57	94.24	155.55	-2,888.49	-2,257.73	5,661.45	5,608.08	53.37	106.074		
2,600.00	2,360.76	12,126.00	7,107.01	17.83	94.24	158.21	-2,888.49	-2,257.73	5,565.54	5,512.01	53.53	103.974		
2,700.00	2,428.95	12,126.00	7,107.01	19.14	94.24	160.32	-2,888.49	-2,257.73	5,470.77	5,417.07	53.69	101.887		
2,800.00	2,494.55	12,126.00	7,107.01	20.50	94.24	162.01	-2,888.49	-2,257.73	5,377.31	5,323.44	53.88	99.807		
2,900.00	2,557.48	12,126.00	7,107.01	21.89	94.24	163.41	-2,888.49	-2,257.73	5,285.36	5,231.28	54.08	97.728		
3,000.00	2,618.26	12,126.00	7,107.01	23.33	94.24	163.83	-2,888.49	-2,257.73	5,194.79	5,140.48	54.32	95.639		
3,100.00	2,678.87	12,126.00	7,107.01	24.77	94.24	163.83	-2,888.49	-2,257.73	5,104.67	5,050.07	54.59	93.502		
3,200.00	2,739.49	12,126.00	7,107.01	26.22	94.24	163.83	-2,888.49	-2,257.73	5,014.91	4,960.01	54.90	91.342		
3,300.00	2,800.10	12,126.00	7,107.01	27.68	94.24	163.83	-2,888.49	-2,257.73	4,925.55	4,870.31	55.24	89.165		
3,400.00	2,860.71	12,126.00	7,107.01	29.14	94.24	163.83	-2,888.49	-2,257.73	4,836.61	4,781.00	55.61	86.978		
3,500.00	2,921.32	12,126.00	7,107.01	30.60	94.24	163.83	-2,888.49	-2,257.73	4,748.11	4,692.10	56.00	84.785		
3,600.00	2,981.94	12,126.00	7,107.01	32.07	94.24	163.83	-2,888.49	-2,257.73	4,660.07	4,603.65	56.42	82.591		
3,700.00	3,042.55	12,126.00	7,107.01	33.54	94.24	163.83	-2,888.49	-2,257.73	4,572.52	4,515.65	56.87	80.402		
3,800.00	3,103.16	12,126.00	7,107.01	35.01	94.24	163.83	-2,888.49	-2,257.73	4,485.50	4,428.15	57.34	78.221		
3,900.00	3,163.77	12,126.00	7,107.01	36.48	94.24	163.83	-2,888.49	-2,257.73	4,399.02	4,341.18	57.84	76.052		
4,000.00	3,224.39	12,126.00	7,107.01	37.96	94.24	163.83	-2,888.49	-2,257.73	4,313.14	4,254.77	58.37	73.899		
4,100.00	3,285.00	12,126.00	7,107.01	39.44	94.24	163.83	-2,888.49	-2,257.73	4,227.87	4,168.95	58.91	71.764		
4,200.00	3,345.61	12,126.00	7,107.01	40.92	94.24	163.83	-2,888.49	-2,257.73	4,143.26	4,083.77	59.49	69.651		
4,300.00	3,406.22	12,126.00	7,107.01	42.40	94.24	163.83	-2,888.49	-2,257.73	4,059.35	3,999.27	60.08	67.563		
4,400.00	3,466.84	12,126.00	7,107.01	43.88	94.24	163.83	-2,888.49	-2,257.73	3,976.18	3,915.48	60.70	65.501		
4,500.00	3,527.45	12,126.00	7,107.01	45.36	94.24	163.83	-2,888.49	-2,257.73	3,893.81	3,832.46	61.35	63.469		
4,600.00	3,588.06	12,126.00	7,107.01	46.84	94.24	163.83	-2,888.49	-2,257.73	3,812.28	3,750.26	62.02	61.469		
4,700.00	3,648.67	12,126.00	7,107.01	48.33	94.24	163.83	-2,888.49	-2,257.73	3,731.65	3,668.94	62.71	59.503		
4,800.00	3,709.29	12,126.00	7,107.01	49.81	94.24	163.83	-2,888.49	-2,257.73	3,651.98	3,588.55	63.43	57.573		
4,900.00	3,769.90	12,126.00	7,107.01	51.30	94.24	163.83	-2,888.49	-2,257.73	3,573.33	3,509.15	64.18	55.681		
5,000.00	3,830.51	12,126.00	7,107.01	52.78	94.24	163.83	-2,888.49	-2,257.73	3,495.77	3,430.83	64.94	53.829		
5,100.00	3,891.12	12,126.00	7,107.01	54.27	94.24	163.83	-2,888.49	-2,257.73	3,419.37	3,353.64	65.73	52.019		

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

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 149-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,200.00	3,951.74	12,126.00	7,107.01	55.76	94.24	163.83	-2,888.49	-2,257.73	3,344.23	3,277.68	66.55	50.254	
5,300.00	4,012.35	12,126.00	7,107.01	57.25	94.24	163.83	-2,888.49	-2,257.73	3,270.41	3,203.03	67.38	48.535	
5,400.00	4,072.96	12,126.00	7,107.01	58.73	94.24	163.83	-2,888.49	-2,257.73	3,198.01	3,129.77	68.24	46.864	
5,500.00	4,133.58	12,126.00	7,107.01	60.22	94.24	163.83	-2,888.49	-2,257.73	3,127.14	3,058.02	69.12	45.243	
5,600.00	4,194.19	12,126.00	7,107.01	61.71	94.24	163.83	-2,888.49	-2,257.73	3,057.90	2,987.88	70.01	43.675	
5,700.00	4,254.80	12,126.00	7,107.01	63.20	94.24	163.83	-2,888.49	-2,257.73	2,990.40	2,919.47	70.93	42.161	
5,800.00	4,315.41	12,070.48	7,108.17	64.69	93.28	164.29	-2,943.99	-2,257.45	2,924.21	2,853.44	70.77	41.322	
5,900.00	4,376.03	11,986.57	7,109.98	66.18	91.85	165.00	-3,027.88	-2,257.21	2,858.37	2,788.33	70.04	40.809	
6,000.00	4,436.64	11,909.56	7,110.73	67.67	90.53	165.68	-3,104.89	-2,256.98	2,791.84	2,722.40	69.45	40.200	
6,100.00	4,497.25	11,765.62	7,111.14	69.17	88.08	167.05	-3,248.82	-2,256.20	2,725.21	2,657.75	67.46	40.399	
6,200.00	4,557.86	11,700.36	7,110.24	70.66	86.97	167.70	-3,314.07	-2,255.96	2,657.56	2,590.48	67.08	39.615	
6,300.00	4,618.48	11,659.48	7,109.99	72.15	86.27	168.12	-3,354.95	-2,255.90	2,590.70	2,523.46	67.24	38.531	
6,400.00	4,679.09	11,553.59	7,109.10	73.64	84.48	169.26	-3,460.83	-2,256.08	2,524.01	2,458.00	66.01	38.235	
6,500.00	4,739.70	11,495.07	7,108.11	75.13	83.49	169.91	-3,519.35	-2,256.57	2,457.11	2,391.29	65.82	37.332	
6,600.00	4,800.31	11,458.54	7,107.93	76.62	82.87	170.33	-3,555.87	-2,256.76	2,391.27	2,325.16	66.12	36.168	
6,700.00	4,860.93	11,333.77	7,106.57	78.12	80.77	171.86	-3,680.63	-2,257.16	2,325.27	2,260.78	64.49	36.054	
6,800.00	4,921.54	11,290.94	7,105.88	79.61	80.04	172.43	-3,723.44	-2,257.14	2,259.34	2,194.64	64.70	34.920	
6,900.00	4,982.15	11,234.62	7,105.51	81.10	79.10	173.19	-3,779.77	-2,257.12	2,194.45	2,129.81	64.64	33.949	
7,000.00	5,042.76	11,183.49	7,105.69	82.60	78.24	173.93	-3,830.89	-2,256.74	2,130.60	2,065.87	64.73	32.913	
7,100.00	5,103.38	11,104.56	7,105.85	84.09	76.91	175.11	-3,909.83	-2,256.25	2,067.19	2,002.93	64.26	32.168	
7,200.00	5,163.99	11,059.55	7,106.29	85.58	76.16	175.83	-3,954.83	-2,255.76	2,004.82	1,940.22	64.60	31.033	
7,300.00	5,224.60	10,960.57	7,106.95	87.07	74.50	177.52	-4,053.78	-2,253.57	1,942.82	1,878.98	63.84	30.431	
7,400.00	5,285.21	10,917.18	7,107.22	88.57	73.77	178.29	-4,097.15	-2,252.80	1,881.55	1,817.16	64.39	29.221	
7,500.00	5,345.83	10,809.89	7,107.99	90.06	71.98	-179.70	-4,204.43	-2,251.05	1,821.21	1,757.47	63.73	28.575	
7,600.00	5,406.44	10,713.00	7,106.41	91.56	70.37	-177.74	-4,301.29	-2,249.50	1,759.88	1,696.37	63.51	27.711	
7,700.00	5,467.05	10,677.02	7,105.98	93.05	69.78	-176.99	-4,337.26	-2,249.08	1,699.79	1,635.17	64.61	26.307	
7,800.00	5,527.66	10,604.10	7,105.92	94.54	68.57	-175.43	-4,410.18	-2,249.42	1,641.43	1,576.21	65.22	25.168	
7,900.00	5,588.28	10,517.41	7,105.19	96.04	67.15	-173.48	-4,496.87	-2,250.07	1,583.58	1,517.73	65.86	24.046	
8,000.00	5,648.89	10,448.41	7,104.15	97.53	66.02	-171.87	-4,565.84	-2,251.55	1,526.30	1,459.26	67.04	22.766	
8,100.00	5,709.50	10,383.63	7,103.85	99.03	64.97	-170.33	-4,630.56	-2,254.38	1,470.73	1,402.19	68.53	21.461	
8,200.00	5,770.11	10,314.78	7,103.74	100.52	63.86	-168.63	-4,699.32	-2,257.80	1,416.59	1,346.33	70.26	20.161	
8,300.00	5,830.73	10,218.91	7,102.72	102.02	62.32	-166.13	-4,795.03	-2,263.19	1,363.13	1,291.06	72.07	18.913	
8,400.00	5,891.34	10,135.28	7,100.81	103.51	60.98	-163.80	-4,878.48	-2,268.33	1,310.31	1,235.84	74.47	17.595	
8,500.00	5,951.95	10,086.81	7,099.68	105.01	60.21	-162.38	-4,926.86	-2,271.23	1,259.31	1,181.76	77.55	16.239	
8,600.00	6,012.57	10,042.27	7,099.67	106.50	59.50	-161.02	-4,971.34	-2,273.38	1,211.97	1,130.96	81.01	14.961	
8,700.00	6,073.18	9,970.14	7,100.28	108.00	58.36	-158.74	-5,043.37	-2,277.00	1,167.45	1,082.66	84.80	13.768	
8,800.00	6,133.79	9,912.03	7,101.21	109.49	57.44	-156.81	-5,101.42	-2,279.44	1,126.12	1,037.07	89.04	12.647	
8,900.00	6,194.40	9,818.97	7,102.19	110.98	55.98	-153.57	-5,194.39	-2,283.57	1,087.15	993.23	93.92	11.575	
9,000.00	6,255.02	9,729.11	7,101.41	112.48	54.57	-150.21	-5,284.18	-2,287.04	1,050.38	950.93	99.45	10.562	
9,100.00	6,315.63	9,666.00	7,100.08	113.98	53.59	-147.74	-5,347.22	-2,289.60	1,016.35	911.18	105.17	9.664	
9,200.00	6,376.24	9,625.99	7,100.22	115.47	52.97	-146.14	-5,387.21	-2,290.66	988.05	877.33	110.72	8.924	
9,300.00	6,436.85	9,562.32	7,101.12	116.97	51.99	-143.55	-5,450.86	-2,292.24	964.92	848.21	116.72	8.267	
9,400.00	6,497.47	9,490.81	7,102.24	118.46	50.89	-140.54	-5,522.35	-2,292.78	947.28	824.30	122.97	7.703	
9,500.00	6,558.08	9,397.78	7,101.59	119.96	49.47	-136.50	-5,615.37	-2,293.75	933.35	803.52	129.84	7.189	
9,600.00	6,618.69	9,329.95	7,099.47	121.45	48.44	-133.44	-5,683.16	-2,294.27	923.95	788.13	135.83	6.802	
9,699.43	6,678.96	9,269.52	7,097.26	122.94	47.53	-130.68	-5,743.56	-2,294.12	920.68	779.59	141.09	6.526 CC	
9,700.00	6,679.30	9,269.27	7,097.26	122.95	47.53	-130.67	-5,743.81	-2,294.12	920.68	779.57	141.11	6.524	
9,800.00	6,739.92	9,201.40	7,095.45	124.44	46.52	-127.58	-5,811.65	-2,293.55	923.91	777.94	145.98	6.329 ES	
9,900.00	6,799.82	9,142.08	7,094.01	125.96	45.64	-128.96	-5,870.94	-2,292.98	935.56	785.75	149.81	6.245 SF	
10,000.00	6,854.86	9,078.47	7,094.01	127.56	44.71	-132.86	-5,934.56	-2,293.06	967.22	814.03	153.19	6.314	
10,100.00	6,902.95	9,018.58	7,094.34	129.22	43.84	-136.03	-5,994.44	-2,293.00	1,019.09	863.24	155.85	6.539	
10,200.00	6,942.63	8,970.83	7,093.93	130.85	43.15	-138.97	-6,042.19	-2,293.07	1,087.69	930.08	157.61	6.901	

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 149-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,972.70	8,931.04	7,093.60	132.42	42.59	-141.92	-6,081.98	-2,293.26	1,169.63	1,010.81	158.83	7.364		
10,400.00	6,992.24	8,908.38	7,093.64	133.85	42.27	-147.31	-6,104.64	-2,293.44	1,261.10	1,101.71	159.40	7.912		
10,500.00	7,000.67	8,897.13	7,093.75	135.10	42.11	-164.55	-6,115.89	-2,293.54	1,358.36	1,198.66	159.70	8.506		
10,600.00	7,001.00	8,895.80	7,093.76	136.21	42.09	-176.14	-6,117.22	-2,293.55	1,457.73	1,297.91	159.81	9.121		
10,700.00	7,001.00	8,894.89	7,093.77	137.35	42.08	-175.80	-6,118.13	-2,293.56	1,557.22	1,397.32	159.90	9.739		
10,800.00	7,001.00	8,893.97	7,093.77	138.52	42.06	-175.45	-6,119.04	-2,293.57	1,656.77	1,496.79	159.98	10.356		
10,900.00	7,001.00	8,893.04	7,093.78	139.72	42.05	-175.10	-6,119.98	-2,293.58	1,756.37	1,596.33	160.04	10.975		
11,000.00	7,001.00	8,892.10	7,093.79	140.95	42.04	-174.75	-6,120.92	-2,293.59	1,856.01	1,695.92	160.10	11.593		
11,100.00	7,001.00	8,891.14	7,093.80	142.22	42.02	-174.39	-6,121.87	-2,293.60	1,955.69	1,795.55	160.15	12.212		
11,200.00	7,001.00	8,890.17	7,093.80	143.52	42.01	-174.03	-6,122.84	-2,293.61	2,055.40	1,895.21	160.19	12.831		
11,300.00	7,001.00	8,889.19	7,093.81	144.85	42.00	-173.66	-6,123.82	-2,293.62	2,155.14	1,994.91	160.23	13.450		
11,400.00	7,001.00	8,888.20	7,093.82	146.21	41.98	-173.29	-6,124.82	-2,293.63	2,254.90	2,094.63	160.27	14.070		
11,500.00	7,001.00	8,887.19	7,093.82	147.61	41.97	-172.92	-6,125.83	-2,293.63	2,354.68	2,194.37	160.30	14.689		
11,600.00	7,001.00	8,886.17	7,093.83	149.03	41.95	-172.54	-6,126.85	-2,293.64	2,454.47	2,294.14	160.34	15.308		
11,700.00	7,001.00	8,885.13	7,093.84	150.49	41.94	-172.16	-6,127.88	-2,293.66	2,554.29	2,393.92	160.37	15.928		
11,800.00	7,001.00	8,884.08	7,093.84	151.98	41.92	-171.77	-6,128.93	-2,293.67	2,654.11	2,493.72	160.40	16.547		
11,900.00	7,001.00	8,883.02	7,093.85	153.50	41.91	-171.38	-6,130.00	-2,293.68	2,753.95	2,593.53	160.43	17.166		
12,000.00	7,001.00	8,881.94	7,093.86	155.05	41.89	-170.98	-6,131.08	-2,293.69	2,853.80	2,693.35	160.45	17.786		
12,100.00	7,001.00	8,880.85	7,093.86	156.62	41.88	-170.58	-6,132.17	-2,293.70	2,953.66	2,793.18	160.48	18.405		
12,200.00	7,001.00	8,879.74	7,093.87	158.23	41.86	-170.17	-6,133.28	-2,293.71	3,053.53	2,893.02	160.51	19.024		
12,300.00	7,001.00	8,878.61	7,093.87	159.87	41.85	-169.76	-6,134.40	-2,293.72	3,153.41	2,992.87	160.53	19.643		
12,400.00	7,001.00	8,877.47	7,093.88	161.53	41.83	-169.34	-6,135.55	-2,293.73	3,253.29	3,092.73	160.56	20.262		
12,500.00	7,001.00	8,876.31	7,093.88	163.22	41.82	-168.92	-6,136.71	-2,293.74	3,353.18	3,192.59	160.59	20.881		
12,600.00	7,001.00	8,875.13	7,093.89	164.94	41.80	-168.50	-6,137.88	-2,293.76	3,453.08	3,292.46	160.61	21.499		
12,700.00	7,001.00	8,873.94	7,093.89	166.69	41.78	-168.07	-6,139.07	-2,293.77	3,552.98	3,392.34	160.64	22.118		
12,800.00	7,001.00	8,873.00	7,093.90	168.46	41.77	-167.73	-6,140.01	-2,293.78	3,652.89	3,492.23	160.66	22.737		
12,900.00	7,001.00	8,873.00	7,093.90	170.26	41.77	-167.73	-6,140.01	-2,293.78	3,752.80	3,592.13	160.67	23.358		
13,000.00	7,001.00	8,873.00	7,093.90	172.08	41.77	-167.73	-6,140.01	-2,293.78	3,852.71	3,692.04	160.67	23.979		
13,100.00	7,001.00	8,873.00	7,093.90	173.92	41.77	-167.73	-6,140.01	-2,293.78	3,952.63	3,791.96	160.68	24.600		
13,200.00	7,001.00	8,873.00	7,093.90	175.79	41.77	-167.73	-6,140.01	-2,293.78	4,052.56	3,891.87	160.69	25.220		
13,300.00	7,001.00	8,873.00	7,093.90	177.68	41.77	-167.73	-6,140.01	-2,293.78	4,152.49	3,991.79	160.69	25.841		
13,400.00	7,001.00	8,873.00	7,093.90	179.60	41.77	-167.73	-6,140.01	-2,293.78	4,252.42	4,091.72	160.70	26.462		
13,500.00	7,001.00	8,873.00	7,093.90	181.53	41.77	-167.73	-6,140.01	-2,293.78	4,352.35	4,191.64	160.71	27.082		
13,600.00	7,001.00	8,867.73	7,093.91	183.49	41.70	-165.84	-6,145.28	-2,293.83	4,452.29	4,291.49	160.79	27.689		
13,700.00	7,001.00	8,867.13	7,093.91	185.47	41.69	-165.63	-6,145.88	-2,293.84	4,552.23	4,391.41	160.81	28.308		
13,800.00	7,001.00	8,866.55	7,093.91	187.47	41.68	-165.43	-6,146.47	-2,293.85	4,652.17	4,491.34	160.83	28.926		
13,900.00	7,001.00	8,865.97	7,093.91	189.49	41.67	-165.22	-6,147.05	-2,293.85	4,752.11	4,591.27	160.84	29.545		
14,000.00	7,001.00	8,865.40	7,093.91	191.53	41.66	-165.02	-6,147.62	-2,293.86	4,852.06	4,691.20	160.86	30.163		
14,100.00	7,001.00	8,864.83	7,093.92	193.58	41.65	-164.82	-6,148.18	-2,293.86	4,952.01	4,791.13	160.88	30.781		
14,200.00	7,001.00	8,864.28	7,093.92	195.66	41.65	-164.63	-6,148.73	-2,293.87	5,051.96	4,891.06	160.90	31.399		
14,300.00	7,001.00	8,863.73	7,093.92	197.75	41.64	-164.44	-6,149.28	-2,293.87	5,151.91	4,991.00	160.91	32.017		
14,400.00	7,001.00	8,863.20	7,093.92	199.85	41.63	-164.25	-6,149.82	-2,293.88	5,251.86	5,090.93	160.93	32.635		
14,500.00	7,001.00	8,862.66	7,093.92	201.98	41.62	-164.06	-6,150.35	-2,293.88	5,351.82	5,190.87	160.95	33.252		
14,600.00	7,001.00	8,862.14	7,093.92	204.12	41.62	-163.88	-6,150.87	-2,293.89	5,451.78	5,290.81	160.96	33.869		
14,700.00	7,001.00	8,861.63	7,093.92	206.27	41.61	-163.70	-6,151.39	-2,293.89	5,551.73	5,390.75	160.98	34.487		
14,800.00	7,001.00	8,861.12	7,093.92	208.45	41.60	-163.52	-6,151.90	-2,293.90	5,651.69	5,490.69	161.00	35.104		
14,900.00	7,001.00	8,860.61	7,093.92	210.63	41.60	-163.35	-6,152.40	-2,293.90	5,751.66	5,590.64	161.02	35.721		
15,000.00	7,001.00	8,860.12	7,093.92	212.83	41.59	-163.18	-6,152.89	-2,293.91	5,851.62	5,690.58	161.04	36.337		
15,100.00	7,001.00	8,859.63	7,093.92	215.04	41.58	-163.01	-6,153.38	-2,293.91	5,951.58	5,790.53	161.05	36.954		
15,200.00	7,001.00	8,859.15	7,093.92	217.27	41.58	-162.85	-6,153.86	-2,293.92	6,051.55	5,890.48	161.07	37.570		
15,300.00	7,001.00	8,858.67	7,093.92	219.51	41.57	-162.68	-6,154.34	-2,293.92	6,151.51	5,990.42	161.09	38.187		
15,400.00	7,001.00	8,858.20	7,093.92	221.76	41.56	-162.52	-6,154.81	-2,293.92	6,251.48	6,090.37	161.11	38.803		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 149-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,500.00	7,001.00	8,857.74	7,093.92	224.02	41.56	-162.36	-6,155.27	-2,293.93	6,351.45	6,190.32	161.13	39.419	
15,600.00	7,001.00	8,857.29	7,093.92	226.30	41.55	-162.21	-6,155.73	-2,293.93	6,451.42	6,290.27	161.15	40.034	
15,700.00	7,001.00	8,856.83	7,093.92	228.58	41.54	-162.05	-6,156.18	-2,293.94	6,551.39	6,390.22	161.17	40.650	
15,800.00	7,001.00	8,856.39	7,093.92	230.88	41.54	-161.90	-6,156.62	-2,293.94	6,651.36	6,490.17	161.19	41.265	
15,900.00	7,001.00	8,855.95	7,093.92	233.19	41.53	-161.75	-6,157.06	-2,293.94	6,751.33	6,590.12	161.20	41.880	
16,000.00	7,001.00	8,855.52	7,093.92	235.50	41.52	-161.60	-6,157.50	-2,293.95	6,851.30	6,690.08	161.22	42.495	
16,100.00	7,001.00	8,855.09	7,093.91	237.83	41.52	-161.46	-6,157.92	-2,293.95	6,951.27	6,790.03	161.24	43.110	
16,200.00	7,001.00	8,854.67	7,093.91	240.17	41.51	-161.31	-6,158.35	-2,293.96	7,051.25	6,889.98	161.26	43.725	
16,300.00	7,001.00	8,854.25	7,093.91	242.52	41.51	-161.17	-6,158.76	-2,293.96	7,151.22	6,989.94	161.28	44.339	
16,400.00	7,001.00	8,853.84	7,093.91	244.87	41.50	-161.03	-6,159.18	-2,293.96	7,251.20	7,089.89	161.30	44.953	
16,500.00	7,001.00	8,853.43	7,093.91	247.24	41.50	-160.90	-6,159.58	-2,293.97	7,351.17	7,189.85	161.32	45.568	
16,600.00	7,001.00	8,853.03	7,093.91	249.61	41.49	-160.76	-6,159.99	-2,293.97	7,451.15	7,289.80	161.35	46.181	
16,700.00	7,001.00	8,852.63	7,093.91	251.99	41.48	-160.63	-6,160.38	-2,293.97	7,551.13	7,389.76	161.37	46.795	
16,800.00	7,001.00	8,852.24	7,093.91	254.38	41.48	-160.50	-6,160.78	-2,293.98	7,651.10	7,489.72	161.39	47.408	
16,900.00	7,001.00	8,851.85	7,093.91	256.78	41.47	-160.37	-6,161.16	-2,293.98	7,751.08	7,589.67	161.41	48.022	
17,000.00	7,001.00	8,851.47	7,093.91	259.18	41.47	-160.24	-6,161.55	-2,293.98	7,851.06	7,689.63	161.43	48.635	
17,100.00	7,001.00	8,851.09	7,093.91	261.59	41.46	-160.11	-6,161.92	-2,293.99	7,951.04	7,789.59	161.45	49.247	
17,200.00	7,001.00	8,850.72	7,093.91	264.01	41.46	-159.99	-6,162.30	-2,293.99	8,051.02	7,889.55	161.47	49.860	
17,300.00	7,001.00	8,850.35	7,093.90	266.44	41.45	-159.86	-6,162.67	-2,293.99	8,151.00	7,989.51	161.49	50.472	
17,400.00	7,001.00	8,849.98	7,093.90	268.87	41.45	-159.74	-6,163.03	-2,293.99	8,250.98	8,089.46	161.52	51.084	
17,500.00	7,001.00	8,849.62	7,093.90	271.31	41.44	-159.62	-6,163.39	-2,294.00	8,350.96	8,189.42	161.54	51.696	
17,600.00	7,001.00	8,849.26	7,093.90	273.75	41.44	-159.50	-6,163.75	-2,294.00	8,450.94	8,289.38	161.56	52.308	
17,700.00	7,001.00	8,848.91	7,093.90	276.20	41.43	-159.39	-6,164.10	-2,294.00	8,550.93	8,389.34	161.58	52.919	
17,800.00	7,001.00	8,841.00	7,093.87	278.66	41.32	-156.81	-6,172.01	-2,294.06	8,650.91	8,489.23	161.69	53.505	
17,900.00	7,001.00	8,841.00	7,093.87	281.12	41.32	-156.81	-6,172.01	-2,294.06	8,750.90	8,589.19	161.70	54.117	
18,000.00	7,001.00	8,841.00	7,093.87	283.59	41.32	-124.58	-6,172.01	-2,294.06	8,850.87	8,689.15	161.72	54.729	
18,100.00	7,001.00	8,841.00	7,093.87	286.09	41.32	-105.97	-6,172.01	-2,294.06	8,950.76	8,789.04	161.73	55.344	
18,200.00	7,001.00	8,842.24	7,093.87	288.62	41.34	-100.27	-6,170.78	-2,294.05	9,050.45	8,888.74	161.71	55.967	
18,300.00	7,001.00	8,763.85	7,092.62	291.16	40.26	-99.34	-6,249.15	-2,294.90	9,149.97	8,987.45	162.51	56.303	
18,400.00	7,001.00	8,760.56	7,092.57	293.71	40.21	-99.30	-6,252.43	-2,294.94	9,249.46	9,086.92	162.53	56.908	
18,500.00	7,001.00	8,757.33	7,092.53	296.26	40.17	-99.27	-6,255.67	-2,294.99	9,348.95	9,186.39	162.56	57.512	
18,600.00	7,001.00	8,746.00	7,092.38	298.81	40.01	-99.15	-6,266.99	-2,295.12	9,448.46	9,285.80	162.66	58.086	
18,700.00	7,001.00	8,746.00	7,092.38	301.36	40.01	-99.15	-6,266.99	-2,295.12	9,547.97	9,385.31	162.65	58.701	
18,800.00	7,001.00	8,746.00	7,092.38	303.92	40.01	-99.15	-6,266.99	-2,295.12	9,647.48	9,484.84	162.64	59.317	
18,900.00	7,001.00	8,746.00	7,092.38	306.48	40.01	-99.15	-6,266.99	-2,295.12	9,747.00	9,584.37	162.63	59.932	
19,000.00	7,001.00	8,746.00	7,092.38	309.04	40.01	-99.15	-6,266.99	-2,295.12	9,846.54	9,683.91	162.63	60.547	
19,100.00	7,001.00	8,746.00	7,092.38	311.61	40.01	-99.15	-6,266.99	-2,295.12	9,946.08	9,783.46	162.62	61.162	
19,200.00	7,001.00	8,746.00	7,092.38	314.18	40.01	-99.15	-6,266.99	-2,295.12	10,045.63	9,883.02	162.61	61.777	
19,300.00	7,001.00	8,746.00	7,092.38	316.75	40.01	-99.15	-6,266.99	-2,295.12	10,145.19	9,982.59	162.61	62.391	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	11,954.00	7,297.28	0.27	92.31	-151.89	-2,864.84	-1,530.47	7,920.85	7,876.45	44.40	178.401		
200.00	200.00	11,954.00	7,297.28	0.63	92.31	-151.89	-2,864.84	-1,530.47	7,829.75	7,785.28	44.47	176.065		
300.00	300.00	11,954.00	7,297.28	0.99	92.31	-151.89	-2,864.84	-1,530.47	7,738.87	7,694.31	44.56	173.672		
400.00	399.98	11,954.00	7,297.28	1.33	92.31	-0.15	-2,864.84	-1,530.47	7,647.50	7,602.82	44.68	171.171		
500.00	499.84	11,954.00	7,297.28	1.67	92.31	-0.17	-2,864.84	-1,530.47	7,554.95	7,510.14	44.82	168.576		
600.00	599.45	11,954.00	7,297.28	2.03	92.31	-0.18	-2,864.84	-1,530.47	7,461.31	7,416.36	44.96	165.962		
700.00	698.70	11,954.00	7,297.28	2.41	92.31	-0.20	-2,864.84	-1,530.47	7,366.65	7,321.55	45.10	163.338		
800.00	797.47	11,954.00	7,297.28	2.81	92.31	-0.23	-2,864.84	-1,530.47	7,271.04	7,225.80	45.24	160.714		
900.00	895.62	11,954.00	7,297.28	3.25	92.31	-0.26	-2,864.84	-1,530.47	7,174.57	7,129.19	45.38	158.098		
1,000.00	993.06	11,954.00	7,297.28	3.72	92.31	-0.30	-2,864.84	-1,530.47	7,077.32	7,031.81	45.51	155.497		
1,100.00	1,089.64	11,954.00	7,297.28	4.23	92.31	-0.36	-2,864.84	-1,530.47	6,979.38	6,933.74	45.64	152.916		
1,200.00	1,185.27	11,954.00	7,297.28	4.78	92.31	-0.44	-2,864.84	-1,530.47	6,880.84	6,835.07	45.76	150.361		
1,300.00	1,279.82	11,954.00	7,297.28	5.38	92.31	-0.56	-2,864.84	-1,530.47	6,781.79	6,735.92	45.87	147.838		
1,400.00	1,373.17	11,954.00	7,297.28	6.03	92.31	-0.79	-2,864.84	-1,530.47	6,682.35	6,636.37	45.97	145.349		
1,500.00	1,465.21	11,954.00	7,297.28	6.73	92.31	-1.30	-2,864.84	-1,530.47	6,582.61	6,536.54	46.07	142.898		
1,600.00	1,555.84	11,954.00	7,297.28	7.48	92.31	-3.56	-2,864.84	-1,530.47	6,482.68	6,436.54	46.14	140.489		
1,700.00	1,644.94	11,954.00	7,297.28	8.28	92.31	-175.11	-2,864.84	-1,530.47	6,382.69	6,336.48	46.21	138.123		
1,800.00	1,732.39	11,954.00	7,297.28	9.13	92.31	-178.53	-2,864.84	-1,530.47	6,282.74	6,236.48	46.26	135.803		
1,900.00	1,818.11	11,954.00	7,297.28	10.04	92.31	-179.13	-2,864.84	-1,530.47	6,182.98	6,136.68	46.30	133.529		
2,000.00	1,901.97	11,954.00	7,297.28	11.00	92.31	-179.38	-2,864.84	-1,530.47	6,083.53	6,037.20	46.33	131.301		
2,100.00	1,983.88	11,954.00	7,297.28	12.01	92.31	-179.51	-2,864.84	-1,530.47	5,984.54	5,938.19	46.35	129.116		
2,200.00	2,063.74	11,954.00	7,297.28	13.07	92.31	-179.60	-2,864.84	-1,530.47	5,886.14	5,839.78	46.36	126.973		
2,300.00	2,141.45	11,954.00	7,297.28	14.19	92.31	-179.66	-2,864.84	-1,530.47	5,788.50	5,742.14	46.36	124.867		
2,400.00	2,216.92	11,954.00	7,297.28	15.35	92.31	-179.70	-2,864.84	-1,530.47	5,691.77	5,645.41	46.35	122.790		
2,500.00	2,290.05	11,954.00	7,297.28	16.57	92.31	-179.73	-2,864.84	-1,530.47	5,596.12	5,549.77	46.35	120.734		
2,600.00	2,360.76	11,954.00	7,297.28	17.83	92.31	-179.76	-2,864.84	-1,530.47	5,501.73	5,455.38	46.35	118.690		
2,700.00	2,428.95	11,954.00	7,297.28	19.14	92.31	-179.78	-2,864.84	-1,530.47	5,408.78	5,362.41	46.37	116.643		
2,800.00	2,494.55	11,954.00	7,297.28	20.50	92.31	-179.80	-2,864.84	-1,530.47	5,317.47	5,271.06	46.41	114.583		
2,900.00	2,557.48	11,954.00	7,297.28	21.89	92.31	-179.81	-2,864.84	-1,530.47	5,227.99	5,181.51	46.47	112.496		
3,000.00	2,618.26	11,954.00	7,297.28	23.33	92.31	-179.81	-2,864.84	-1,530.47	5,140.18	5,093.60	46.58	110.360		
3,100.00	2,678.87	11,954.00	7,297.28	24.77	92.31	-179.81	-2,864.84	-1,530.47	5,052.92	5,006.19	46.73	108.130		
3,200.00	2,739.49	11,954.00	7,297.28	26.22	92.31	-179.81	-2,864.84	-1,530.47	4,966.15	4,919.23	46.92	105.850		
3,300.00	2,800.10	11,954.00	7,297.28	27.68	92.31	-179.81	-2,864.84	-1,530.47	4,879.89	4,832.75	47.14	103.529		
3,400.00	2,860.71	11,954.00	7,297.28	29.14	92.31	-179.81	-2,864.84	-1,530.47	4,794.15	4,746.77	47.38	101.176		
3,500.00	2,921.32	11,954.00	7,297.28	30.60	92.31	-179.81	-2,864.84	-1,530.47	4,708.98	4,661.32	47.66	98.800		
3,600.00	2,981.94	11,954.00	7,297.28	32.07	92.31	-179.81	-2,864.84	-1,530.47	4,624.41	4,576.44	47.97	96.409		
3,700.00	3,042.55	11,954.00	7,297.28	33.54	92.31	-179.81	-2,864.84	-1,530.47	4,540.46	4,492.16	48.30	94.007		
3,800.00	3,103.16	11,954.00	7,297.28	35.01	92.31	-179.81	-2,864.84	-1,530.47	4,457.17	4,408.51	48.66	91.602		
3,900.00	3,163.77	11,954.00	7,297.28	36.48	92.31	-179.81	-2,864.84	-1,530.47	4,374.59	4,325.54	49.04	89.198		
4,000.00	3,224.39	11,954.00	7,297.28	37.96	92.31	-179.81	-2,864.84	-1,530.47	4,292.74	4,243.28	49.46	86.800		
4,100.00	3,285.00	11,954.00	7,297.28	39.44	92.31	-179.81	-2,864.84	-1,530.47	4,211.68	4,161.78	49.89	84.412		
4,200.00	3,345.61	11,954.00	7,297.28	40.92	92.31	-179.81	-2,864.84	-1,530.47	4,131.45	4,081.09	50.36	82.037		
4,300.00	3,406.22	11,954.00	7,297.28	42.40	92.31	-179.81	-2,864.84	-1,530.47	4,052.10	4,001.24	50.85	79.680		
4,400.00	3,466.84	11,954.00	7,297.28	43.88	92.31	-179.81	-2,864.84	-1,530.47	3,973.68	3,922.30	51.38	77.343		
4,500.00	3,527.45	11,954.00	7,297.28	45.36	92.31	-179.81	-2,864.84	-1,530.47	3,896.24	3,844.31	51.93	75.029		
4,600.00	3,588.06	11,954.00	7,297.28	46.84	92.31	-179.81	-2,864.84	-1,530.47	3,819.86	3,767.35	52.51	72.740		
4,700.00	3,648.67	11,954.00	7,297.28	48.33	92.31	-179.81	-2,864.84	-1,530.47	3,744.59	3,691.46	53.13	70.481		
4,800.00	3,709.29	11,954.00	7,297.28	49.81	92.31	-179.81	-2,864.84	-1,530.47	3,670.50	3,616.72	53.78	68.252		
4,900.00	3,769.90	11,954.00	7,297.28	51.30	92.31	-179.81	-2,864.84	-1,530.47	3,597.66	3,543.20	54.46	66.058		
5,000.00	3,830.51	11,954.00	7,297.28	52.78	92.31	-179.81	-2,864.84	-1,530.47	3,526.16	3,470.98	55.18	63.899		
5,100.00	3,891.12	11,954.00	7,297.28	54.27	92.31	-179.81	-2,864.84	-1,530.47	3,456.07	3,400.13	55.94	61.779		
5,200.00	3,951.74	11,954.00	7,297.28	55.76	92.31	-179.81	-2,864.84	-1,530.47	3,387.48	3,330.74	56.74	59.701		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,300.00	4,012.35	11,954.00	7,297.28	57.25	92.31	-179.81	-2,864.84	-1,530.47	3,320.49	3,262.91	57.58	57.666		
5,400.00	4,072.96	11,954.00	7,297.28	58.73	92.31	-179.81	-2,864.84	-1,530.47	3,255.19	3,196.73	58.46	55.678		
5,500.00	4,133.58	11,954.00	7,297.28	60.22	92.31	-179.81	-2,864.84	-1,530.47	3,191.69	3,132.30	59.39	53.739		
5,600.00	4,194.19	11,954.00	7,297.28	61.71	92.31	-179.81	-2,864.84	-1,530.47	3,130.10	3,069.73	60.37	51.851		
5,700.00	4,254.80	11,919.40	7,297.64	63.20	91.72	-179.44	-2,899.43	-1,530.60	3,070.33	3,009.36	60.97	50.355		
5,800.00	4,315.41	11,866.00	7,298.31	64.69	90.81	-178.84	-2,952.83	-1,530.81	3,011.42	2,950.01	61.41	49.038		
5,900.00	4,376.03	11,787.67	7,299.61	66.18	89.47	-177.94	-3,031.15	-1,530.94	2,953.30	2,891.68	61.61	47.933		
6,000.00	4,436.64	11,687.05	7,300.08	67.67	87.77	-176.78	-3,131.73	-1,533.17	2,894.63	2,833.02	61.61	46.983		
6,100.00	4,497.25	11,598.78	7,300.23	69.17	86.28	-175.77	-3,219.93	-1,537.09	2,836.29	2,774.48	61.81	45.885		
6,200.00	4,557.86	11,566.33	7,300.42	70.66	85.74	-175.38	-3,252.34	-1,538.58	2,778.84	2,716.09	62.75	44.284		
6,300.00	4,618.48	11,472.17	7,301.98	72.15	84.17	-174.25	-3,346.38	-1,543.13	2,722.78	2,659.75	63.03	43.195		
6,400.00	4,679.09	11,331.61	7,301.22	73.64	81.82	-172.45	-3,486.78	-1,549.48	2,665.69	2,602.80	62.89	42.384		
6,500.00	4,739.70	11,232.00	7,298.30	75.13	80.16	-171.09	-3,586.25	-1,553.97	2,607.37	2,544.02	63.34	41.164		
6,600.00	4,800.31	11,200.00	7,297.63	76.62	79.63	-170.64	-3,618.21	-1,555.34	2,550.33	2,485.69	64.64	39.454		
6,700.00	4,860.93	11,157.55	7,297.08	78.12	78.92	-170.04	-3,660.62	-1,557.04	2,494.78	2,428.86	65.93	37.842		
6,800.00	4,921.54	11,129.31	7,297.19	79.61	78.45	-169.62	-3,688.85	-1,557.96	2,441.15	2,373.69	67.46	36.184		
6,900.00	4,982.15	11,068.57	7,298.00	81.10	77.44	-168.69	-3,749.57	-1,558.86	2,389.33	2,320.52	68.81	34.724		
7,000.00	5,042.76	10,983.58	7,298.52	82.60	76.02	-167.34	-3,834.55	-1,559.84	2,337.99	2,267.91	70.08	33.364		
7,100.00	5,103.38	10,883.00	7,297.99	84.09	74.34	-165.65	-3,935.13	-1,559.87	2,287.06	2,215.64	71.42	32.024		
7,200.00	5,163.99	10,833.77	7,297.54	85.58	73.51	-164.78	-3,984.36	-1,559.47	2,237.25	2,163.92	73.33	30.508		
7,300.00	5,224.60	10,789.68	7,297.59	87.07	72.78	-163.99	-4,028.44	-1,558.89	2,189.45	2,114.03	75.42	29.029		
7,400.00	5,285.21	10,709.22	7,297.78	88.57	71.43	-162.49	-4,108.88	-1,557.04	2,143.28	2,065.81	77.47	27.666		
7,500.00	5,345.83	10,648.68	7,297.37	90.06	70.42	-161.32	-4,169.38	-1,554.96	2,098.26	2,018.44	79.82	26.287		
7,600.00	5,406.44	10,588.92	7,297.89	91.56	69.42	-160.14	-4,229.10	-1,552.88	2,055.77	1,973.45	82.32	24.973		
7,700.00	5,467.05	10,487.20	7,298.12	93.05	67.74	-158.11	-4,330.80	-1,551.10	2,014.14	1,929.34	84.80	23.750		
7,800.00	5,527.66	10,438.00	7,297.85	94.54	66.92	-157.10	-4,380.00	-1,550.41	1,973.79	1,886.17	87.62	22.526		
7,900.00	5,588.28	10,370.79	7,298.16	96.04	65.81	-155.69	-4,447.18	-1,548.78	1,936.10	1,845.55	90.55	21.381		
8,000.00	5,648.89	10,280.00	7,297.55	97.53	64.32	-153.71	-4,537.92	-1,545.61	1,900.11	1,806.44	93.67	20.285		
8,100.00	5,709.50	10,237.95	7,297.02	99.03	63.62	-152.76	-4,579.93	-1,543.98	1,866.08	1,769.16	96.92	19.254		
8,200.00	5,770.11	10,200.89	7,297.28	100.52	63.01	-151.93	-4,616.95	-1,542.35	1,835.56	1,735.35	100.21	18.317		
8,300.00	5,830.73	10,104.58	7,298.07	102.02	61.44	-149.73	-4,713.17	-1,538.24	1,807.56	1,703.84	103.72	17.428		
8,400.00	5,891.34	10,047.12	7,298.09	103.51	60.50	-148.39	-4,770.58	-1,535.76	1,781.63	1,674.42	107.21	16.618		
8,500.00	5,951.95	9,980.66	7,298.70	105.01	59.42	-146.83	-4,836.96	-1,532.75	1,758.89	1,648.13	110.76	15.880		
8,600.00	6,012.57	9,894.41	7,298.30	106.50	58.02	-144.76	-4,923.14	-1,529.28	1,737.85	1,623.39	114.46	15.182		
8,700.00	6,073.18	9,826.04	7,296.94	108.00	56.92	-143.07	-4,991.40	-1,525.64	1,719.62	1,601.49	118.13	14.556		
8,800.00	6,133.79	9,773.00	7,296.69	109.49	56.07	-141.76	-5,044.37	-1,522.92	1,705.04	1,583.44	121.60	14.021		
8,900.00	6,194.40	9,712.86	7,297.38	110.98	55.11	-140.29	-5,104.46	-1,520.47	1,693.77	1,568.78	124.99	13.551		
9,000.00	6,255.02	9,630.37	7,297.76	112.48	53.80	-138.25	-5,186.85	-1,516.64	1,685.55	1,557.05	128.50	13.117		
9,100.00	6,315.63	9,542.68	7,297.48	113.98	52.42	-136.07	-5,274.47	-1,513.07	1,679.82	1,547.85	131.97	12.729		
9,200.00	6,376.24	9,496.08	7,297.48	115.47	51.69	-134.91	-5,321.03	-1,511.22	1,677.26	1,542.39	134.87	12.436		
9,218.60	6,387.51	9,484.52	7,297.63	115.75	51.51	-134.63	-5,332.58	-1,510.79	1,677.20	1,541.79	135.41	12.386 CC		
9,300.00	6,436.85	9,416.47	7,298.12	116.97	50.45	-132.94	-5,400.58	-1,508.22	1,678.09	1,540.17	137.92	12.167 ES		
9,400.00	6,497.47	9,331.54	7,297.49	118.46	49.15	-130.82	-5,485.45	-1,504.97	1,681.56	1,540.67	140.89	11.936		
9,500.00	6,558.08	9,277.28	7,296.34	119.96	48.32	-129.46	-5,539.64	-1,502.70	1,687.96	1,544.65	143.31	11.778		
9,600.00	6,618.69	9,201.14	7,294.66	121.45	47.16	-127.55	-5,615.72	-1,500.01	1,697.08	1,551.30	145.78	11.641		
9,700.00	6,679.30	9,139.00	7,294.40	122.95	46.23	-126.02	-5,677.82	-1,497.91	1,709.79	1,561.98	147.81	11.567		
9,800.00	6,739.92	9,087.24	7,294.72	124.44	45.46	-124.77	-5,729.55	-1,496.06	1,725.88	1,576.43	149.45	11.548 SF		
9,900.00	6,799.82	9,033.38	7,295.45	125.96	44.66	-122.69	-5,783.33	-1,493.32	1,748.34	1,597.45	150.89	11.587		
10,000.00	6,854.86	8,949.00	7,295.27	127.56	43.42	-132.56	-5,867.60	-1,489.06	1,787.69	1,634.99	152.71	11.707		
10,100.00	6,902.95	8,916.00	7,294.60	129.22	42.95	-138.10	-5,900.55	-1,487.45	1,843.89	1,690.28	153.61	12.003		
10,200.00	6,942.63	8,874.69	7,293.83	130.85	42.35	-143.07	-5,941.79	-1,485.13	1,915.28	1,760.76	154.52	12.395		
10,300.00	6,972.70	8,853.00	7,293.73	132.42	42.04	-149.53	-5,963.45	-1,484.02	1,998.49	1,843.46	155.03	12.891		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 125-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,992.24	8,837.13	7,293.76	133.85	41.81	-160.16	-5,979.30	-1,483.19	2,090.31	1,934.90	155.40	13.451		
10,500.00	7,000.67	8,835.03	7,293.77	135.10	41.78	171.39	-5,981.39	-1,483.07	2,187.32	2,031.75	155.56	14.061		
10,600.00	7,001.00	8,837.73	7,293.76	136.21	41.82	157.98	-5,978.69	-1,483.22	2,286.09	2,130.43	155.66	14.686		
10,700.00	7,001.00	8,840.50	7,293.76	137.35	41.86	157.55	-5,975.93	-1,483.38	2,384.99	2,229.24	155.75	15.313		
10,800.00	7,001.00	8,843.16	7,293.75	138.52	41.90	157.14	-5,973.27	-1,483.52	2,483.97	2,328.14	155.83	15.940		
10,900.00	7,001.00	8,853.00	7,293.73	139.72	42.04	155.67	-5,963.45	-1,484.02	2,583.05	2,427.25	155.80	16.579		
11,000.00	7,001.00	8,853.00	7,293.73	140.95	42.04	155.67	-5,963.45	-1,484.02	2,682.15	2,526.26	155.90	17.205		
11,100.00	7,001.00	8,853.00	7,293.73	142.22	42.04	155.67	-5,963.45	-1,484.02	2,781.33	2,625.34	155.98	17.831		
11,200.00	7,001.00	8,853.00	7,293.73	143.52	42.04	155.67	-5,963.45	-1,484.02	2,880.55	2,724.49	156.07	18.457		
11,300.00	7,001.00	8,861.21	7,293.74	144.85	42.16	154.46	-5,955.25	-1,484.43	2,979.83	2,823.79	156.04	19.097		
11,400.00	7,001.00	8,871.12	7,293.80	146.21	42.30	153.04	-5,945.35	-1,484.94	3,079.13	2,923.15	155.99	19.740		
11,500.00	7,001.00	8,881.89	7,293.93	147.61	42.45	151.54	-5,934.60	-1,485.52	3,178.46	3,022.54	155.92	20.385		
11,600.00	7,001.00	8,889.77	7,294.07	149.03	42.57	150.47	-5,926.74	-1,485.96	3,277.82	3,121.92	155.90	21.026		
11,700.00	7,001.00	8,896.40	7,294.19	150.49	42.66	149.59	-5,920.12	-1,486.33	3,377.20	3,221.32	155.88	21.665		
11,800.00	7,001.00	8,903.12	7,294.32	151.98	42.76	148.72	-5,913.41	-1,486.71	3,476.61	3,320.74	155.86	22.305		
11,900.00	7,001.00	8,909.92	7,294.47	153.50	42.86	147.85	-5,906.62	-1,487.10	3,576.03	3,420.19	155.85	22.946		
12,000.00	7,001.00	8,916.82	7,294.62	155.05	42.96	146.99	-5,899.73	-1,487.49	3,675.48	3,519.66	155.83	23.587		
12,100.00	7,001.00	8,916.00	7,294.60	156.62	42.95	147.09	-5,900.55	-1,487.45	3,774.96	3,619.07	155.89	24.216		
12,200.00	7,001.00	8,916.00	7,294.60	158.23	42.95	147.09	-5,900.55	-1,487.45	3,874.46	3,718.51	155.94	24.846		
12,300.00	7,001.00	8,916.00	7,294.60	159.87	42.95	147.09	-5,900.55	-1,487.45	3,973.98	3,817.99	155.99	25.476		
12,400.00	7,001.00	8,916.00	7,294.60	161.53	42.95	147.09	-5,900.55	-1,487.45	4,073.53	3,917.49	156.04	26.106		
12,500.00	7,001.00	8,916.00	7,294.60	163.22	42.95	147.09	-5,900.55	-1,487.45	4,173.10	4,017.02	156.08	26.737		
12,600.00	7,001.00	8,916.00	7,294.60	164.94	42.95	147.09	-5,900.55	-1,487.45	4,272.69	4,116.57	156.12	27.367		
12,700.00	7,001.00	8,928.87	7,294.88	166.69	43.13	145.52	-5,887.71	-1,488.14	4,372.24	4,216.20	156.04	28.021		
12,800.00	7,001.00	8,930.44	7,294.91	168.46	43.15	145.34	-5,886.13	-1,488.22	4,471.85	4,315.78	156.06	28.654		
12,900.00	7,001.00	8,931.96	7,294.94	170.26	43.18	145.16	-5,884.61	-1,488.30	4,571.47	4,415.39	156.09	29.288		
13,000.00	7,001.00	8,933.44	7,294.97	172.08	43.20	144.98	-5,883.14	-1,488.37	4,671.11	4,515.00	156.11	29.921		
13,100.00	7,001.00	8,934.87	7,295.00	173.92	43.22	144.81	-5,881.71	-1,488.44	4,770.77	4,614.63	156.14	30.555		
13,200.00	7,001.00	8,936.26	7,295.03	175.79	43.24	144.65	-5,880.32	-1,488.50	4,870.44	4,714.27	156.16	31.189		
13,300.00	7,001.00	8,957.60	7,295.37	177.68	43.55	142.23	-5,859.01	-1,489.48	4,970.15	4,814.15	156.00	31.860		
13,400.00	7,001.00	8,962.70	7,295.43	179.60	43.62	141.67	-5,853.92	-1,489.74	5,069.82	4,913.83	155.99	32.501		
13,500.00	7,001.00	8,991.44	7,295.70	181.53	44.04	138.68	-5,825.22	-1,491.24	5,169.47	5,013.70	155.77	33.187		
13,600.00	7,001.00	8,993.03	7,295.70	183.49	44.07	138.52	-5,823.63	-1,491.33	5,269.13	5,113.34	155.79	33.822		
13,700.00	7,001.00	8,994.57	7,295.71	185.47	44.09	138.37	-5,822.09	-1,491.41	5,368.80	5,212.99	155.82	34.456		
13,800.00	7,001.00	8,996.08	7,295.71	187.47	44.11	138.22	-5,820.59	-1,491.49	5,468.49	5,312.65	155.84	35.090		
13,900.00	7,001.00	8,997.54	7,295.71	189.49	44.13	138.07	-5,819.13	-1,491.56	5,568.18	5,412.32	155.86	35.725		
14,000.00	7,001.00	8,998.96	7,295.71	191.53	44.15	137.93	-5,817.70	-1,491.63	5,667.88	5,512.00	155.89	36.359		
14,100.00	7,001.00	9,012.00	7,295.67	193.58	44.35	136.68	-5,804.68	-1,492.24	5,767.64	5,611.83	155.81	37.017		
14,200.00	7,001.00	9,015.90	7,295.63	195.66	44.40	136.31	-5,800.78	-1,492.44	5,867.35	5,711.53	155.82	37.656		
14,300.00	7,001.00	9,021.09	7,295.58	197.75	44.48	135.83	-5,795.60	-1,492.70	5,967.06	5,811.26	155.81	38.298		
14,400.00	7,001.00	9,026.28	7,295.52	199.85	44.56	135.35	-5,790.42	-1,492.96	6,066.78	5,910.98	155.80	38.939		
14,500.00	7,001.00	9,055.68	7,295.16	201.98	44.99	132.79	-5,761.06	-1,494.51	6,166.49	6,010.89	155.60	39.631		
14,600.00	7,001.00	9,057.68	7,295.13	204.12	45.02	132.62	-5,759.07	-1,494.62	6,266.20	6,110.58	155.62	40.266		
14,700.00	7,001.00	9,059.64	7,295.10	206.27	45.05	132.46	-5,757.11	-1,494.72	6,365.92	6,210.28	155.64	40.902		
14,800.00	7,001.00	9,061.56	7,295.07	208.45	45.08	132.30	-5,755.19	-1,494.83	6,465.64	6,309.98	155.66	41.537		
14,900.00	7,001.00	9,063.44	7,295.04	210.63	45.11	132.15	-5,753.31	-1,494.92	6,565.37	6,409.69	155.68	42.172		
15,000.00	7,001.00	9,075.00	7,294.88	212.83	45.28	131.22	-5,741.77	-1,495.51	6,665.13	6,509.50	155.63	42.827		
15,100.00	7,001.00	9,075.00	7,294.88	215.04	45.28	131.22	-5,741.77	-1,495.51	6,764.87	6,609.20	155.66	43.458		
15,200.00	7,001.00	9,075.00	7,294.88	217.27	45.28	131.22	-5,741.77	-1,495.51	6,864.61	6,708.91	155.70	44.089		
15,300.00	7,001.00	9,075.00	7,294.88	219.51	45.28	131.22	-5,741.77	-1,495.51	6,964.36	6,808.63	155.73	44.719		
15,400.00	7,001.00	9,075.00	7,294.88	221.76	45.28	131.22	-5,741.77	-1,495.51	7,064.12	6,908.35	155.77	45.350		
15,500.00	7,001.00	9,075.00	7,294.88	224.02	45.28	131.22	-5,741.77	-1,495.51	7,163.89	7,008.08	155.80	45.980		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 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	
15,600.00	7,001.00	9,075.00	7,294.88	226.30	45.28	131.22	-5,741.77	-1,495.51	7,263.66	7,107.82	155.84	46.611	
15,700.00	7,001.00	9,075.00	7,294.88	228.58	45.28	131.22	-5,741.77	-1,495.51	7,363.44	7,207.56	155.87	47.241	
15,800.00	7,001.00	9,075.00	7,294.88	230.88	45.28	131.22	-5,741.77	-1,495.51	7,463.22	7,307.32	155.90	47.870	
15,900.00	7,001.00	9,075.00	7,294.88	233.19	45.28	131.22	-5,741.77	-1,495.51	7,563.01	7,407.07	155.94	48.500	
16,000.00	7,001.00	9,075.00	7,294.88	235.50	45.28	131.22	-5,741.77	-1,495.51	7,662.80	7,506.83	155.97	49.130	
16,100.00	7,001.00	9,075.00	7,294.88	237.83	45.28	131.22	-5,741.77	-1,495.51	7,762.61	7,606.60	156.00	49.759	
16,200.00	7,001.00	9,075.00	7,294.88	240.17	45.28	131.22	-5,741.77	-1,495.51	7,862.41	7,706.38	156.04	50.389	
16,300.00	7,001.00	9,075.00	7,294.88	242.52	45.28	131.22	-5,741.77	-1,495.51	7,962.22	7,806.15	156.07	51.018	
16,400.00	7,001.00	9,075.00	7,294.88	244.87	45.28	131.22	-5,741.77	-1,495.51	8,062.04	7,905.94	156.10	51.646	
16,500.00	7,001.00	9,075.00	7,294.88	247.24	45.28	131.22	-5,741.77	-1,495.51	8,161.86	8,005.72	156.13	52.275	
16,600.00	7,001.00	9,075.00	7,294.88	249.61	45.28	131.22	-5,741.77	-1,495.51	8,261.68	8,105.52	156.16	52.904	
16,700.00	7,001.00	9,075.00	7,294.88	251.99	45.28	131.22	-5,741.77	-1,495.51	8,361.51	8,205.31	156.20	53.532	
16,800.00	7,001.00	9,075.00	7,294.88	254.38	45.28	131.22	-5,741.77	-1,495.51	8,461.34	8,305.11	156.23	54.160	
16,900.00	7,001.00	9,075.00	7,294.88	256.78	45.28	131.22	-5,741.77	-1,495.51	8,561.18	8,404.92	156.26	54.788	
17,000.00	7,001.00	9,075.00	7,294.88	259.18	45.28	131.22	-5,741.77	-1,495.51	8,661.02	8,504.73	156.29	55.416	
17,100.00	7,001.00	9,075.00	7,294.88	261.59	45.28	131.22	-5,741.77	-1,495.51	8,760.86	8,604.54	156.32	56.043	
17,200.00	7,001.00	9,075.00	7,294.88	264.01	45.28	131.22	-5,741.77	-1,495.51	8,860.71	8,704.35	156.35	56.671	
17,300.00	7,001.00	9,088.57	7,294.70	266.44	45.48	130.18	-5,728.21	-1,496.11	8,960.49	8,804.19	156.30	57.330	
17,400.00	7,001.00	9,089.22	7,294.69	268.87	45.49	130.13	-5,727.57	-1,496.14	9,060.34	8,904.01	156.33	57.958	
17,500.00	7,001.00	9,089.85	7,294.69	271.31	45.50	130.08	-5,726.93	-1,496.17	9,160.19	9,003.84	156.35	58.586	
17,600.00	7,001.00	9,090.48	7,294.68	273.75	45.51	130.03	-5,726.31	-1,496.19	9,260.04	9,103.66	156.38	59.214	
17,700.00	7,001.00	9,091.09	7,294.67	276.20	45.52	129.99	-5,725.70	-1,496.22	9,359.90	9,203.49	156.41	59.842	
17,800.00	7,001.00	9,091.69	7,294.67	278.66	45.53	129.94	-5,725.09	-1,496.24	9,459.76	9,303.32	156.44	60.470	
17,900.00	7,001.00	9,092.29	7,294.66	281.12	45.53	129.90	-5,724.50	-1,496.26	9,559.62	9,403.15	156.47	61.097	
18,000.00	7,001.00	9,092.80	7,294.65	283.59	45.54	146.19	-5,723.99	-1,496.28	9,659.50	9,503.01	156.49	61.724	
18,100.00	7,001.00	9,092.87	7,294.65	286.09	45.54	-158.87	-5,723.92	-1,496.28	9,759.44	9,602.92	156.52	62.353	
18,200.00	7,001.00	9,092.43	7,294.66	288.62	45.54	-124.81	-5,724.36	-1,496.27	9,859.34	9,702.80	156.54	62.983	
18,300.00	7,001.00	9,091.76	7,294.67	291.16	45.53	-124.77	-5,725.03	-1,496.24	9,959.18	9,802.61	156.56	63.612	
18,400.00	7,001.00	9,091.10	7,294.67	293.71	45.52	-124.73	-5,725.69	-1,496.22	10,059.02	9,902.44	156.58	64.241	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 152-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	11,813.00	7,128.31	0.00	92.16	-165.05	-2,867.70	-765.96	7,747.46					
100.00	100.00	11,813.00	7,128.31	0.27	92.16	-165.05	-2,867.70	-765.96	7,655.19	7,613.30	41.89	182.763		
200.00	200.00	11,813.00	7,128.31	0.63	92.16	-165.05	-2,867.70	-765.96	7,563.11	7,521.23	41.88	180.575		
300.00	300.00	11,813.00	7,128.31	0.99	92.16	-165.05	-2,867.70	-765.96	7,471.24	7,429.34	41.90	178.332		
400.00	399.98	11,813.00	7,128.31	1.33	92.16	-14.45	-2,867.70	-765.96	7,378.91	7,336.98	41.93	175.974		
500.00	499.84	11,813.00	7,128.31	1.67	92.16	-15.82	-2,867.70	-765.96	7,285.52	7,243.53	41.99	173.507		
600.00	599.45	11,813.00	7,128.31	2.03	92.16	-17.45	-2,867.70	-765.96	7,191.13	7,149.08	42.05	171.005		
700.00	698.70	11,813.00	7,128.31	2.41	92.16	-19.45	-2,867.70	-765.96	7,095.83	7,053.71	42.12	168.477		
800.00	797.47	11,813.00	7,128.31	2.81	92.16	-21.91	-2,867.70	-765.96	6,999.70	6,957.51	42.18	165.933		
900.00	895.62	11,813.00	7,128.31	3.25	92.16	-25.03	-2,867.70	-765.96	6,902.81	6,860.56	42.25	163.379		
1,000.00	993.06	11,813.00	7,128.31	3.72	92.16	-29.05	-2,867.70	-765.96	6,805.27	6,762.96	42.32	160.821		
1,100.00	1,089.64	11,813.00	7,128.31	4.23	92.16	-34.39	-2,867.70	-765.96	6,707.16	6,664.78	42.38	158.264		
1,200.00	1,185.27	11,813.00	7,128.31	4.78	92.16	-41.62	-2,867.70	-765.96	6,608.58	6,566.14	42.44	155.713		
1,300.00	1,279.82	11,813.00	7,128.31	5.38	92.16	-51.55	-2,867.70	-765.96	6,509.63	6,467.13	42.50	153.170		
1,400.00	1,373.17	11,813.00	7,128.31	6.03	92.16	-65.00	-2,867.70	-765.96	6,410.42	6,367.86	42.55	150.639		
1,500.00	1,465.21	11,813.00	7,128.31	6.73	92.16	-81.85	-2,867.70	-765.96	6,311.06	6,268.45	42.61	148.120		
1,600.00	1,555.84	11,813.00	7,128.31	7.48	92.16	-99.92	-2,867.70	-765.96	6,211.66	6,169.00	42.66	145.614		
1,700.00	1,644.94	11,813.00	7,128.31	8.28	92.16	-116.00	-2,867.70	-765.96	6,112.35	6,069.64	42.71	143.120		
1,800.00	1,732.39	11,813.00	7,128.31	9.13	92.16	-128.48	-2,867.70	-765.96	6,013.25	5,970.50	42.76	140.638		
1,900.00	1,818.11	11,813.00	7,128.31	10.04	92.16	-137.62	-2,867.70	-765.96	5,914.51	5,871.70	42.81	138.164		
2,000.00	1,901.97	11,813.00	7,128.31	11.00	92.16	-144.28	-2,867.70	-765.96	5,816.26	5,773.39	42.86	135.693		
2,100.00	1,983.88	11,813.00	7,128.31	12.01	92.16	-149.21	-2,867.70	-765.96	5,718.64	5,675.72	42.93	133.221		
2,200.00	2,063.74	11,813.00	7,128.31	13.07	92.16	-152.95	-2,867.70	-765.96	5,621.83	5,578.83	43.00	130.740		
2,300.00	2,141.45	11,813.00	7,128.31	14.19	92.16	-155.87	-2,867.70	-765.96	5,525.97	5,482.88	43.09	128.243		
2,400.00	2,216.92	11,813.00	7,128.31	15.35	92.16	-158.18	-2,867.70	-765.96	5,431.24	5,388.04	43.20	125.719		
2,500.00	2,290.05	11,813.00	7,128.31	16.57	92.16	-160.05	-2,867.70	-765.96	5,337.82	5,294.48	43.34	123.162		
2,600.00	2,360.76	11,813.00	7,128.31	17.83	92.16	-161.58	-2,867.70	-765.96	5,245.89	5,202.37	43.51	120.561		
2,700.00	2,428.95	11,813.00	7,128.31	19.14	92.16	-162.86	-2,867.70	-765.96	5,155.65	5,111.92	43.72	117.911		
2,800.00	2,494.55	11,813.00	7,128.31	20.50	92.16	-163.94	-2,867.70	-765.96	5,067.30	5,023.31	43.98	115.208		
2,900.00	2,557.48	11,813.00	7,128.31	21.89	92.16	-164.86	-2,867.70	-765.96	4,981.05	4,936.76	44.30	112.449		
3,000.00	2,618.26	11,813.00	7,128.31	23.33	92.16	-165.14	-2,867.70	-765.96	4,896.73	4,852.07	44.67	109.631		
3,100.00	2,678.87	11,813.00	7,128.31	24.77	92.16	-165.14	-2,867.70	-765.96	4,813.12	4,768.03	45.09	106.742		
3,200.00	2,739.49	11,813.00	7,128.31	26.22	92.16	-165.14	-2,867.70	-765.96	4,730.15	4,684.59	45.56	103.826		
3,300.00	2,800.10	11,813.00	7,128.31	27.68	92.16	-165.14	-2,867.70	-765.96	4,647.84	4,601.78	46.07	100.895		
3,400.00	2,860.71	11,813.00	7,128.31	29.14	92.16	-165.14	-2,867.70	-765.96	4,566.25	4,519.63	46.61	97.959		
3,500.00	2,921.32	11,813.00	7,128.31	30.60	92.16	-165.14	-2,867.70	-765.96	4,485.39	4,438.19	47.20	95.027		
3,600.00	2,981.94	11,813.00	7,128.31	32.07	92.16	-165.14	-2,867.70	-765.96	4,405.33	4,357.50	47.83	92.107		
3,700.00	3,042.55	11,813.00	7,128.31	33.54	92.16	-165.14	-2,867.70	-765.96	4,326.09	4,277.59	48.50	89.205		
3,800.00	3,103.16	11,813.00	7,128.31	35.01	92.16	-165.14	-2,867.70	-765.96	4,247.73	4,198.53	49.20	86.329		
3,900.00	3,163.77	11,813.00	7,128.31	36.48	92.16	-165.14	-2,867.70	-765.96	4,170.29	4,120.34	49.95	83.482		
4,000.00	3,224.39	11,813.00	7,128.31	37.96	92.16	-165.14	-2,867.70	-765.96	4,093.84	4,043.09	50.75	80.671		
4,100.00	3,285.00	11,813.00	7,128.31	39.44	92.16	-165.14	-2,867.70	-765.96	4,018.42	3,966.83	51.58	77.900		
4,200.00	3,345.61	11,813.00	7,128.31	40.92	92.16	-165.14	-2,867.70	-765.96	3,944.09	3,891.62	52.47	75.173		
4,300.00	3,406.22	11,813.00	7,128.31	42.40	92.16	-165.14	-2,867.70	-765.96	3,870.91	3,817.52	53.40	72.494		
4,400.00	3,466.84	11,813.00	7,128.31	43.88	92.16	-165.14	-2,867.70	-765.96	3,798.96	3,744.59	54.37	69.867		
4,500.00	3,527.45	11,813.00	7,128.31	45.36	92.16	-165.14	-2,867.70	-765.96	3,728.31	3,672.90	55.40	67.295		
4,600.00	3,588.06	11,813.00	7,128.31	46.84	92.16	-165.14	-2,867.70	-765.96	3,659.02	3,602.54	56.48	64.782		
4,700.00	3,648.67	11,813.00	7,128.31	48.33	92.16	-165.14	-2,867.70	-765.96	3,591.18	3,533.57	57.61	62.332		
4,800.00	3,709.29	11,813.00	7,128.31	49.81	92.16	-165.14	-2,867.70	-765.96	3,524.87	3,466.07	58.80	59.947		
4,900.00	3,769.90	11,813.00	7,128.31	51.30	92.16	-165.14	-2,867.70	-765.96	3,460.19	3,400.15	60.04	57.631		
5,000.00	3,830.51	11,813.00	7,128.31	52.78	92.16	-165.14	-2,867.70	-765.96	3,397.21	3,335.87	61.34	55.387		
5,100.00	3,891.12	11,813.00	7,128.31	54.27	92.16	-165.14	-2,867.70	-765.96	3,336.04	3,273.35	62.69	53.216		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 152-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,951.74	11,813.00	7,128.31	55.76	92.16	-165.14	-2,867.70	-765.96	3,276.79	3,212.69	64.10	51.122		
5,300.00	4,012.35	11,813.00	7,128.31	57.25	92.16	-165.14	-2,867.70	-765.96	3,219.55	3,153.99	65.56	49.108		
5,400.00	4,072.96	11,813.00	7,128.31	58.73	92.16	-165.14	-2,867.70	-765.96	3,164.43	3,097.36	67.08	47.175		
5,500.00	4,133.58	11,813.00	7,128.31	60.22	92.16	-165.14	-2,867.70	-765.96	3,111.56	3,042.91	68.65	45.326		
5,600.00	4,194.19	11,813.00	7,128.31	61.71	92.16	-165.14	-2,867.70	-765.96	3,061.04	2,990.77	70.27	43.562		
5,700.00	4,254.80	11,813.00	7,128.31	63.20	92.16	-165.14	-2,867.70	-765.96	3,012.99	2,941.05	71.94	41.884		
5,800.00	4,315.41	11,745.95	7,129.69	64.69	91.01	-164.27	-2,934.73	-765.20	2,966.81	2,893.57	73.24	40.506		
5,900.00	4,376.03	11,625.38	7,130.38	66.18	88.94	-162.62	-3,055.24	-761.72	2,920.98	2,846.59	74.39	39.264		
6,000.00	4,436.64	11,540.17	7,130.80	67.67	87.49	-161.46	-3,140.44	-762.14	2,875.44	2,799.66	75.78	37.945		
6,100.00	4,497.25	11,454.13	7,131.04	69.17	86.03	-160.29	-3,226.47	-763.80	2,830.42	2,753.19	77.23	36.649		
6,200.00	4,557.86	11,393.10	7,131.24	70.66	85.00	-159.44	-3,287.49	-764.83	2,786.57	2,707.64	78.93	35.306		
6,300.00	4,618.48	11,307.75	7,131.76	72.15	83.56	-158.25	-3,372.78	-767.68	2,743.56	2,663.01	80.54	34.063		
6,400.00	4,679.09	11,194.57	7,131.91	73.64	81.66	-156.64	-3,485.85	-772.48	2,701.12	2,619.04	82.08	32.906		
6,500.00	4,739.70	11,124.00	7,131.60	75.13	80.47	-155.62	-3,556.32	-776.38	2,659.08	2,575.13	83.95	31.676		
6,600.00	4,800.31	11,066.98	7,131.91	76.62	79.52	-154.80	-3,613.21	-780.15	2,618.52	2,532.58	85.94	30.468		
6,700.00	4,860.93	10,998.49	7,132.63	78.12	78.38	-153.80	-3,681.55	-784.56	2,579.53	2,491.57	87.95	29.328		
6,800.00	4,921.54	10,966.00	7,133.22	79.61	77.84	-153.32	-3,713.97	-786.64	2,542.34	2,452.12	90.22	28.178		
6,900.00	4,982.15	10,839.00	7,135.11	81.10	75.73	-151.38	-3,840.78	-793.17	2,506.86	2,414.73	92.13	27.209		
7,000.00	5,042.76	10,770.81	7,135.66	82.60	74.60	-150.33	-3,908.81	-797.73	2,471.53	2,377.14	94.38	26.186		
7,100.00	5,103.38	10,689.03	7,136.12	84.09	73.25	-149.05	-3,990.40	-803.36	2,437.37	2,340.73	96.64	25.221		
7,200.00	5,163.99	10,587.46	7,135.83	85.58	71.58	-147.41	-4,091.73	-810.27	2,404.20	2,305.30	98.90	24.309		
7,300.00	5,224.60	10,532.86	7,135.64	87.07	70.69	-146.52	-4,146.18	-814.23	2,372.39	2,270.97	101.42	23.391		
7,400.00	5,285.21	10,490.00	7,135.06	88.57	69.98	-145.78	-4,189.01	-815.69	2,343.15	2,239.07	104.08	22.513		
7,500.00	5,345.83	10,446.60	7,134.32	90.06	69.26	-145.01	-4,232.40	-816.06	2,316.60	2,209.81	106.79	21.694		
7,600.00	5,406.44	10,411.31	7,133.82	91.56	68.68	-144.38	-4,267.69	-816.16	2,292.62	2,183.12	109.50	20.938		
7,700.00	5,467.05	10,350.30	7,133.13	93.05	67.66	-143.27	-4,328.68	-815.04	2,271.67	2,159.43	112.24	20.239		
7,800.00	5,527.66	10,314.89	7,132.85	94.54	67.08	-142.61	-4,364.08	-814.29	2,253.24	2,138.31	114.93	19.606		
7,900.00	5,588.28	10,236.00	7,131.60	96.04	65.77	-141.13	-4,442.90	-811.24	2,237.46	2,119.72	117.73	19.004		
8,000.00	5,648.89	10,205.00	7,130.87	97.53	65.26	-140.53	-4,473.85	-809.68	2,224.30	2,103.96	120.35	18.482		
8,100.00	5,709.50	10,150.71	7,130.31	99.03	64.37	-139.50	-4,528.06	-806.82	2,214.23	2,091.25	122.98	18.005		
8,200.00	5,770.11	10,047.63	7,130.63	100.52	62.67	-137.55	-4,631.04	-802.42	2,206.73	2,080.99	125.74	17.550		
8,300.00	5,830.73	10,006.62	7,130.06	102.02	62.00	-136.76	-4,671.98	-800.18	2,201.30	2,073.12	128.18	17.174		
8,400.00	5,891.34	9,928.16	7,128.93	103.51	60.72	-135.24	-4,750.32	-796.10	2,198.31	2,067.57	130.74	16.815		
8,478.14	5,938.70	9,871.34	7,127.94	104.68	59.80	-134.15	-4,807.08	-793.57	2,197.27	2,064.63	132.64	16.565 CC		
8,500.00	5,951.95	9,857.00	7,127.69	105.01	59.57	-133.87	-4,821.39	-792.76	2,197.41	2,064.24	133.16	16.502 ES		
8,600.00	6,012.57	9,825.00	7,127.30	106.50	59.05	-133.25	-4,853.33	-790.75	2,199.92	2,064.71	135.21	16.271		
8,700.00	6,073.18	9,708.23	7,125.97	108.00	57.17	-131.01	-4,969.94	-785.13	2,204.12	2,066.39	137.73	16.004		
8,800.00	6,133.79	9,572.00	7,125.18	109.49	55.00	-128.45	-5,106.14	-783.70	2,208.34	2,068.17	140.17	15.755		
8,900.00	6,194.40	9,541.00	7,125.50	110.98	54.51	-127.88	-5,137.13	-783.30	2,215.71	2,073.83	141.88	15.617		
9,000.00	6,255.02	9,445.00	7,126.20	112.48	53.01	-126.12	-5,233.12	-782.49	2,225.29	2,081.44	143.84	15.470		
9,100.00	6,315.63	9,418.69	7,126.16	113.98	52.60	-125.63	-5,259.43	-782.22	2,237.22	2,091.97	145.25	15.402		
9,200.00	6,376.24	9,333.82	7,126.42	115.47	51.28	-124.07	-5,344.29	-780.79	2,251.62	2,104.69	146.92	15.325		
9,300.00	6,436.85	9,196.46	7,126.57	116.97	49.17	-121.59	-5,481.63	-780.75	2,267.00	2,118.18	148.82	15.233 SF		
9,400.00	6,497.47	9,159.00	7,126.53	118.46	48.60	-120.92	-5,519.09	-780.96	2,284.19	2,134.24	149.95	15.233		
9,500.00	6,558.08	9,104.00	7,125.95	119.96	47.76	-119.92	-5,574.08	-780.57	2,304.16	2,153.10	151.06	15.253		
9,600.00	6,618.69	9,049.65	7,125.57	121.45	46.95	-118.95	-5,628.43	-780.00	2,326.51	2,174.48	152.03	15.303		
9,700.00	6,679.30	8,946.40	7,125.58	122.95	45.41	-117.14	-5,731.67	-778.75	2,351.15	2,197.87	153.27	15.339		
9,800.00	6,739.92	8,906.00	7,125.60	124.44	44.82	-116.44	-5,772.07	-778.58	2,377.12	2,223.22	153.90	15.446		
9,900.00	6,799.82	8,821.23	7,126.30	125.96	43.58	-119.06	-5,856.83	-777.65	2,407.94	2,253.13	154.81	15.554		
10,000.00	6,854.86	8,796.85	7,126.48	127.56	43.23	-125.27	-5,881.21	-777.39	2,454.78	2,299.62	155.15	15.822		
10,100.00	6,902.95	8,769.21	7,126.75	129.22	42.83	-130.54	-5,908.83	-776.51	2,518.34	2,362.87	155.48	16.198		
10,200.00	6,942.63	8,684.00	7,127.99	130.85	41.61	-133.57	-5,994.00	-774.45	2,594.95	2,438.61	156.33	16.599		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 152-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,972.70	8,668.15	7,128.44	132.42	41.39	-138.18	-6,009.85	-774.22	2,681.76	2,525.25	156.51	17.135		
10,400.00	6,992.24	8,652.00	7,128.86	133.85	41.16	-145.08	-6,025.98	-773.75	2,776.27	2,619.59	156.67	17.720		
10,500.00	7,000.67	8,652.00	7,128.86	135.10	41.16	-177.86	-6,025.98	-773.75	2,874.90	2,718.21	156.69	18.348		
10,600.00	7,001.00	8,652.00	7,128.86	136.21	41.16	151.96	-6,025.98	-773.75	2,974.70	2,817.98	156.72	18.982		
10,700.00	7,001.00	8,652.00	7,128.86	137.35	41.16	151.96	-6,025.98	-773.75	3,074.53	2,917.79	156.74	19.615		
10,800.00	7,001.00	8,652.00	7,128.86	138.52	41.16	151.96	-6,025.98	-773.75	3,174.37	3,017.60	156.77	20.249		
10,900.00	7,001.00	8,652.00	7,128.86	139.72	41.16	151.96	-6,025.98	-773.75	3,274.22	3,117.43	156.79	20.883		
11,000.00	7,001.00	8,652.00	7,128.86	140.95	41.16	151.96	-6,025.98	-773.75	3,374.08	3,217.27	156.81	21.517		
11,100.00	7,001.00	8,664.51	7,128.54	142.22	41.34	148.45	-6,013.48	-774.13	3,473.85	3,317.13	156.72	22.166		
11,200.00	7,001.00	8,665.12	7,128.53	143.52	41.35	148.28	-6,012.87	-774.15	3,573.72	3,416.98	156.74	22.801		
11,300.00	7,001.00	8,665.71	7,128.51	144.85	41.36	148.12	-6,012.28	-774.16	3,673.59	3,516.84	156.75	23.436		
11,400.00	7,001.00	8,666.28	7,128.50	146.21	41.36	147.97	-6,011.72	-774.18	3,773.47	3,616.70	156.77	24.070		
11,500.00	7,001.00	8,666.82	7,128.48	147.61	41.37	147.83	-6,011.18	-774.19	3,873.35	3,716.57	156.78	24.705		
11,600.00	7,001.00	8,667.34	7,128.47	149.03	41.38	147.69	-6,010.66	-774.20	3,973.24	3,816.44	156.80	25.340		
11,700.00	7,001.00	8,667.84	7,128.45	150.49	41.39	147.55	-6,010.16	-774.21	4,073.14	3,916.32	156.81	25.974		
11,800.00	7,001.00	8,668.32	7,128.44	151.98	41.39	147.43	-6,009.68	-774.22	4,173.04	4,016.21	156.83	26.609		
11,900.00	7,001.00	8,668.78	7,128.43	153.50	41.40	147.30	-6,009.22	-774.23	4,272.94	4,116.10	156.84	27.243		
12,000.00	7,001.00	8,669.22	7,128.42	155.05	41.41	147.18	-6,008.77	-774.24	4,372.85	4,215.99	156.86	27.878		
12,100.00	7,001.00	8,669.65	7,128.40	156.62	41.41	147.07	-6,008.34	-774.25	4,472.76	4,315.89	156.87	28.512		
12,200.00	7,001.00	8,670.07	7,128.39	158.23	41.42	146.96	-6,007.93	-774.26	4,572.68	4,415.79	156.89	29.146		
12,300.00	7,001.00	8,670.47	7,128.38	159.87	41.42	146.86	-6,007.53	-774.27	4,672.60	4,515.69	156.90	29.780		
12,400.00	7,001.00	8,670.85	7,128.37	161.53	41.43	146.76	-6,007.14	-774.27	4,772.52	4,615.60	156.92	30.414		
12,500.00	7,001.00	8,684.00	7,127.99	163.22	41.61	143.43	-5,994.00	-774.45	4,872.54	4,715.71	156.83	31.069		
12,600.00	7,001.00	8,684.00	7,127.99	164.94	41.61	143.43	-5,994.00	-774.45	4,972.46	4,815.61	156.85	31.702		
12,700.00	7,001.00	8,684.00	7,127.99	166.69	41.61	143.43	-5,994.00	-774.45	5,072.39	4,915.52	156.87	32.335		
12,800.00	7,001.00	8,684.00	7,127.99	168.46	41.61	143.43	-5,994.00	-774.45	5,172.32	5,015.43	156.89	32.969		
12,900.00	7,001.00	8,684.00	7,127.99	170.26	41.61	143.43	-5,994.00	-774.45	5,272.25	5,115.34	156.90	33.602		
13,000.00	7,001.00	8,684.00	7,127.99	172.08	41.61	143.43	-5,994.00	-774.45	5,372.18	5,215.26	156.92	34.235		
13,100.00	7,001.00	8,684.00	7,127.99	173.92	41.61	143.43	-5,994.00	-774.45	5,472.12	5,315.18	156.94	34.868		
13,200.00	7,001.00	8,684.00	7,127.99	175.79	41.61	143.43	-5,994.00	-774.45	5,572.06	5,415.10	156.96	35.500		
13,300.00	7,001.00	8,684.00	7,127.99	177.68	41.61	143.43	-5,994.00	-774.45	5,672.00	5,515.02	156.98	36.133		
13,400.00	7,001.00	8,684.00	7,127.99	179.60	41.61	143.43	-5,994.00	-774.45	5,771.94	5,614.95	156.99	36.765		
13,500.00	7,001.00	8,684.00	7,127.99	181.53	41.61	143.43	-5,994.00	-774.45	5,871.89	5,714.88	157.01	37.398		
13,600.00	7,001.00	8,684.11	7,127.99	183.49	41.62	143.40	-5,993.89	-774.45	5,971.83	5,814.80	157.03	38.030		
13,700.00	7,001.00	8,685.98	7,127.95	185.47	41.64	142.95	-5,992.02	-774.48	6,071.78	5,914.75	157.03	38.665		
13,800.00	7,001.00	8,777.75	7,126.66	187.47	42.95	126.36	-5,900.30	-776.78	6,171.70	6,015.31	156.38	39.466		
13,900.00	7,001.00	8,779.00	7,126.65	189.49	42.97	126.20	-5,899.05	-776.82	6,271.61	6,115.21	156.39	40.101		
14,000.00	7,001.00	8,779.00	7,126.65	191.53	42.97	126.20	-5,899.05	-776.82	6,371.52	6,215.11	156.42	40.735		
14,100.00	7,001.00	8,779.00	7,126.65	193.58	42.97	126.20	-5,899.05	-776.82	6,471.44	6,315.00	156.44	41.368		
14,200.00	7,001.00	8,779.00	7,126.65	195.66	42.97	126.20	-5,899.05	-776.82	6,571.36	6,414.90	156.46	42.000		
14,300.00	7,001.00	8,779.00	7,126.65	197.75	42.97	126.20	-5,899.05	-776.82	6,671.28	6,514.80	156.48	42.633		
14,400.00	7,001.00	8,779.00	7,126.65	199.85	42.97	126.20	-5,899.05	-776.82	6,771.21	6,614.71	156.50	43.266		
14,500.00	7,001.00	8,779.00	7,126.65	201.98	42.97	126.20	-5,899.05	-776.82	6,871.14	6,714.61	156.53	43.898		
14,600.00	7,001.00	8,779.00	7,126.65	204.12	42.97	126.20	-5,899.05	-776.82	6,971.07	6,814.52	156.55	44.530		
14,700.00	7,001.00	8,779.00	7,126.65	206.27	42.97	126.20	-5,899.05	-776.82	7,071.00	6,914.43	156.57	45.162		
14,800.00	7,001.00	8,779.00	7,126.65	208.45	42.97	126.20	-5,899.05	-776.82	7,170.93	7,014.34	156.59	45.794		
14,900.00	7,001.00	8,779.00	7,126.65	210.63	42.97	126.20	-5,899.05	-776.82	7,270.87	7,114.25	156.61	46.425		
15,000.00	7,001.00	8,779.00	7,126.65	212.83	42.97	126.20	-5,899.05	-776.82	7,370.80	7,214.17	156.64	47.057		
15,100.00	7,001.00	8,779.00	7,126.65	215.04	42.97	126.20	-5,899.05	-776.82	7,470.74	7,314.08	156.66	47.688		
15,200.00	7,001.00	8,779.00	7,126.65	217.27	42.97	126.20	-5,899.05	-776.82	7,570.68	7,414.00	156.68	48.319		
15,300.00	7,001.00	8,779.00	7,126.65	219.51	42.97	126.20	-5,899.05	-776.82	7,670.62	7,513.92	156.70	48.950		
15,400.00	7,001.00	8,779.00	7,126.65	221.76	42.97	126.20	-5,899.05	-776.82	7,770.57	7,613.84	156.72	49.581		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 152-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,500.00	7,001.00	8,779.00	7,126.65	224.02	42.97	126.20	-5,899.05	-776.82	7,870.51	7,713.76	156.75	50.211	
15,600.00	7,001.00	8,779.00	7,126.65	226.30	42.97	126.20	-5,899.05	-776.82	7,970.46	7,813.69	156.77	50.842	
15,700.00	7,001.00	8,779.00	7,126.65	228.58	42.97	126.20	-5,899.05	-776.82	8,070.40	7,913.61	156.79	51.472	
15,800.00	7,001.00	8,793.12	7,126.51	230.88	43.17	124.42	-5,884.93	-777.30	8,170.23	8,013.51	156.72	52.132	
15,900.00	7,001.00	8,793.39	7,126.51	233.19	43.18	124.38	-5,884.67	-777.31	8,270.17	8,113.43	156.74	52.762	
16,000.00	7,001.00	8,793.65	7,126.51	235.50	43.18	124.35	-5,884.41	-777.32	8,370.12	8,213.35	156.77	53.392	
16,100.00	7,001.00	8,793.90	7,126.50	237.83	43.19	124.32	-5,884.16	-777.32	8,470.07	8,313.28	156.79	54.022	
16,200.00	7,001.00	8,794.15	7,126.50	240.17	43.19	124.29	-5,883.91	-777.33	8,570.02	8,413.21	156.81	54.652	
16,300.00	7,001.00	8,794.39	7,126.50	242.52	43.19	124.26	-5,883.67	-777.33	8,669.97	8,513.13	156.83	55.282	
16,400.00	7,001.00	8,794.63	7,126.50	244.87	43.20	124.24	-5,883.43	-777.34	8,769.92	8,613.06	156.85	55.911	
16,500.00	7,001.00	8,794.86	7,126.50	247.24	43.20	124.21	-5,883.20	-777.35	8,869.87	8,712.99	156.88	56.540	
16,600.00	7,001.00	8,795.09	7,126.49	249.61	43.20	124.18	-5,882.97	-777.35	8,969.82	8,812.92	156.90	57.169	
16,700.00	7,001.00	8,795.31	7,126.49	251.99	43.21	124.15	-5,882.75	-777.36	9,069.78	8,912.86	156.92	57.798	
16,800.00	7,001.00	8,795.53	7,126.49	254.38	43.21	124.13	-5,882.53	-777.36	9,169.73	9,012.79	156.94	58.426	
16,900.00	7,001.00	8,795.74	7,126.49	256.78	43.21	124.10	-5,882.31	-777.37	9,269.69	9,112.72	156.97	59.055	
17,000.00	7,001.00	8,810.00	7,126.38	259.18	43.42	122.48	-5,868.06	-777.58	9,369.77	9,212.86	156.90	59.717	
17,100.00	7,001.00	8,810.00	7,126.38	261.59	43.42	122.48	-5,868.06	-777.58	9,469.72	9,312.79	156.93	60.344	
17,200.00	7,001.00	8,810.00	7,126.38	264.01	43.42	122.48	-5,868.06	-777.58	9,569.68	9,412.72	156.95	60.971	
17,300.00	7,001.00	8,810.00	7,126.38	266.44	43.42	122.48	-5,868.06	-777.58	9,669.63	9,512.65	156.98	61.598	
17,400.00	7,001.00	8,810.00	7,126.38	268.87	43.42	122.48	-5,868.06	-777.58	9,769.59	9,612.58	157.00	62.225	
17,500.00	7,001.00	8,810.00	7,126.38	271.31	43.42	122.48	-5,868.06	-777.58	9,869.55	9,712.52	157.03	62.852	
17,600.00	7,001.00	8,810.00	7,126.38	273.75	43.42	122.48	-5,868.06	-777.58	9,969.50	9,812.45	157.06	63.478	
17,700.00	7,001.00	8,810.00	7,126.38	276.20	43.42	122.48	-5,868.06	-777.58	10,069.46	9,912.38	157.08	64.104	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	11.00	11.00	0.00	0.02	-95.03	-203.90	-2,314.73	2,323.69					
100.00	100.00	111.00	111.00	0.27	0.19	-95.03	-203.90	-2,314.73	2,323.69	2,323.24	0.46	5,064.234		
200.00	200.00	211.00	211.00	0.63	0.55	-95.03	-203.90	-2,314.73	2,323.69	2,322.52	1.18	1,976.288		
300.00	300.00	311.00	311.00	0.99	0.91	-95.03	-203.90	-2,314.73	2,323.69	2,321.80	1.89	1,227.694		
400.00	399.98	410.98	410.98	1.33	1.27	56.76	-203.90	-2,314.73	2,322.74	2,320.14	2.59	895.269		
500.00	499.84	510.84	510.84	1.67	1.62	56.92	-203.90	-2,314.73	2,319.87	2,316.58	3.29	704.343		
600.00	599.45	610.45	610.45	2.03	1.98	57.18	-203.90	-2,314.73	2,315.12	2,311.11	4.01	577.774		
700.00	698.70	709.70	709.70	2.41	2.34	57.54	-203.90	-2,314.73	2,308.51	2,303.77	4.74	487.474		
800.00	797.47	808.47	808.47	2.81	2.69	58.01	-203.90	-2,314.73	2,300.09	2,294.61	5.48	419.513		
900.00	895.62	906.62	906.62	3.25	3.04	58.59	-203.90	-2,314.73	2,289.93	2,283.68	6.25	366.271		
1,000.00	993.06	1,004.06	1,004.06	3.72	3.39	59.26	-203.90	-2,314.73	2,278.10	2,271.05	7.05	323.256		
1,100.00	1,089.64	1,100.64	1,100.64	4.23	3.74	60.05	-203.90	-2,314.73	2,264.68	2,256.81	7.87	287.662		
1,200.00	1,185.27	1,196.27	1,196.27	4.78	4.08	60.93	-203.90	-2,314.73	2,249.79	2,241.06	8.73	257.649		
1,300.00	1,279.82	1,290.82	1,290.82	5.38	4.42	61.92	-203.90	-2,314.73	2,233.54	2,223.91	9.63	231.963		
1,400.00	1,373.17	1,384.17	1,384.17	6.03	4.75	63.01	-203.90	-2,314.73	2,216.07	2,205.50	10.57	209.717		
1,500.00	1,465.21	1,476.21	1,476.21	6.73	5.08	64.20	-203.90	-2,314.73	2,197.53	2,185.98	11.55	190.271		
1,600.00	1,555.84	1,566.84	1,566.84	7.48	5.41	65.49	-203.90	-2,314.73	2,178.08	2,165.51	12.58	173.145		
1,700.00	1,644.94	1,655.94	1,655.94	8.28	5.73	66.86	-203.90	-2,314.73	2,157.92	2,144.26	13.66	157.975		
1,800.00	1,732.39	1,743.39	1,743.39	9.13	6.04	68.32	-203.90	-2,314.73	2,137.25	2,122.46	14.79	144.476		
1,900.00	1,818.11	1,829.11	1,829.11	10.04	6.35	69.86	-203.90	-2,314.73	2,116.28	2,100.30	15.98	132.423		
2,000.00	1,901.97	1,912.97	1,912.97	11.00	6.65	71.46	-203.90	-2,314.73	2,095.26	2,078.04	17.23	121.636		
2,100.00	1,983.88	1,994.88	1,994.88	12.01	6.94	73.13	-203.90	-2,314.73	2,074.44	2,055.91	18.53	111.964		
2,200.00	2,063.74	2,074.74	2,074.74	13.07	7.23	74.84	-203.90	-2,314.73	2,054.08	2,034.20	19.89	103.285		
2,300.00	2,141.45	2,152.45	2,152.45	14.19	7.51	76.58	-203.90	-2,314.73	2,034.49	2,013.18	21.30	95.495		
2,400.00	2,216.92	2,227.92	2,227.92	15.35	7.78	78.34	-203.90	-2,314.73	2,015.95	1,993.17	22.78	88.506		
2,500.00	2,290.05	2,301.05	2,301.05	16.57	8.04	80.10	-203.90	-2,314.73	1,998.77	1,974.47	24.30	82.243		
2,600.00	2,360.76	2,371.76	2,371.76	17.83	8.29	81.85	-203.90	-2,314.73	1,983.29	1,957.41	25.88	76.640		
2,700.00	2,428.95	2,439.95	2,439.95	19.14	8.54	83.56	-203.90	-2,314.73	1,969.82	1,942.32	27.50	71.640		
2,800.00	2,494.55	2,505.55	2,505.55	20.50	8.77	85.23	-203.90	-2,314.73	1,958.69	1,929.53	29.15	67.191		
2,900.00	2,557.48	2,568.48	2,568.48	21.89	9.00	86.84	-203.90	-2,314.73	1,950.21	1,919.37	30.83	63.249		
3,000.00	2,618.26	2,629.26	2,629.26	23.33	9.22	88.30	-203.90	-2,314.73	1,944.72	1,912.19	32.53	59.788		
3,100.00	2,678.87	2,689.87	2,689.87	24.77	9.43	89.72	-203.90	-2,314.73	1,942.46	1,908.25	34.21	56.786		
3,119.40	2,690.63	2,701.63	2,701.63	25.05	9.48	90.00	-203.90	-2,314.73	1,942.40	1,907.87	34.53	56.252 CC		
3,200.00	2,739.49	2,750.49	2,750.49	26.22	9.65	91.15	-203.90	-2,314.73	1,943.46	1,907.60	35.86	54.194 ES		
3,300.00	2,800.10	2,811.10	2,811.10	27.68	9.87	92.57	-203.90	-2,314.73	1,947.71	1,910.22	37.48	51.964		
3,400.00	2,860.71	2,871.71	2,871.71	29.14	10.09	93.98	-203.90	-2,314.73	1,955.18	1,916.12	39.06	50.053		
3,500.00	2,921.32	2,932.32	2,932.32	30.60	10.30	95.40	-203.90	-2,314.73	1,965.85	1,925.26	40.60	48.425		
3,600.00	2,981.94	2,992.94	2,992.94	32.07	10.52	96.80	-203.90	-2,314.73	1,979.66	1,937.58	42.08	47.047		
3,700.00	3,042.55	3,053.55	3,053.55	33.54	10.74	98.20	-203.90	-2,314.73	1,996.55	1,953.04	43.51	45.892		
3,800.00	3,103.16	3,114.16	3,114.16	35.01	10.96	99.59	-203.90	-2,314.73	2,016.43	1,971.56	44.87	44.936		
3,900.00	3,163.77	3,174.77	3,174.77	36.48	11.17	100.97	-203.90	-2,314.73	2,039.22	1,993.04	46.18	44.156		
4,000.00	3,224.39	3,235.39	3,235.39	37.96	11.39	102.33	-203.90	-2,314.73	2,064.83	2,017.40	47.43	43.534		
4,100.00	3,285.00	3,296.00	3,296.00	39.44	11.61	103.68	-203.90	-2,314.73	2,093.15	2,044.53	48.62	43.054		
4,200.00	3,345.61	3,356.61	3,356.61	40.92	11.82	105.01	-203.90	-2,314.73	2,124.07	2,074.32	49.74	42.700		
4,300.00	3,406.22	3,417.22	3,417.22	42.40	12.04	106.33	-203.90	-2,314.73	2,157.48	2,106.67	50.81	42.459		
4,400.00	3,466.84	3,477.84	3,477.84	43.88	12.26	107.63	-203.90	-2,314.73	2,193.27	2,141.44	51.83	42.319		
4,500.00	3,527.45	3,538.45	3,538.45	45.36	12.48	108.91	-203.90	-2,314.73	2,231.32	2,178.53	52.79	42.271 SF		
4,600.00	3,588.06	3,599.06	3,599.06	46.84	12.69	110.18	-203.90	-2,314.73	2,271.52	2,217.82	53.69	42.304		
4,700.00	3,648.67	3,659.67	3,659.67	48.33	12.91	111.42	-203.90	-2,314.73	2,313.75	2,259.20	54.56	42.411		
4,800.00	3,709.29	3,720.29	3,720.29	49.81	13.13	112.64	-203.90	-2,314.73	2,357.91	2,302.54	55.37	42.583		
4,900.00	3,769.90	3,780.90	3,780.90	51.30	13.35	113.84	-203.90	-2,314.73	2,403.90	2,347.75	56.15	42.814		
5,000.00	3,830.51	3,841.51	3,841.51	52.78	13.56	115.02	-203.90	-2,314.73	2,451.60	2,394.71	56.88	43.098		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	3,891.12	3,902.12	3,902.12	54.27	13.78	116.18	-203.90	-2,314.73	2,500.92	2,443.33	57.59	43.429		
5,200.00	3,951.74	3,962.74	3,962.74	55.76	14.00	117.31	-203.90	-2,314.73	2,551.77	2,493.51	58.26	43.803		
5,300.00	4,012.35	4,023.35	4,023.35	57.25	14.21	118.42	-203.90	-2,314.73	2,604.05	2,545.16	58.90	44.214		
5,400.00	4,072.96	4,083.96	4,083.96	58.73	14.43	119.51	-203.90	-2,314.73	2,657.69	2,598.18	59.51	44.658		
5,500.00	4,133.58	4,144.58	4,144.58	60.22	14.65	120.58	-203.90	-2,314.73	2,712.60	2,652.50	60.10	45.133		
5,600.00	4,194.19	4,205.19	4,205.19	61.71	14.87	121.62	-203.90	-2,314.73	2,768.71	2,708.03	60.67	45.634		
5,700.00	4,254.80	4,265.80	4,265.80	63.20	15.08	122.64	-203.90	-2,314.73	2,825.94	2,764.71	61.22	46.158		
5,800.00	4,315.41	4,326.41	4,326.41	64.69	15.30	123.64	-203.90	-2,314.73	2,884.22	2,822.47	61.76	46.703		
5,900.00	4,376.03	4,387.03	4,387.03	66.18	15.52	124.61	-203.90	-2,314.73	2,943.51	2,881.23	62.28	47.266		
6,000.00	4,436.64	4,447.64	4,447.64	67.67	15.74	125.56	-203.90	-2,314.73	3,003.73	2,940.95	62.78	47.844		
6,100.00	4,497.25	4,508.25	4,508.25	69.17	15.95	126.49	-203.90	-2,314.73	3,064.83	3,001.55	63.28	48.437		
6,200.00	4,557.86	4,568.86	4,568.86	70.66	16.17	127.40	-203.90	-2,314.73	3,126.76	3,063.00	63.76	49.040		
6,300.00	4,618.48	4,629.48	4,629.48	72.15	16.39	128.29	-203.90	-2,314.73	3,189.47	3,125.23	64.23	49.654		
6,400.00	4,679.09	4,690.09	4,690.09	73.64	16.60	129.15	-203.90	-2,314.73	3,252.91	3,188.21	64.70	50.276		
6,500.00	4,739.70	4,750.70	4,750.70	75.13	16.82	130.00	-203.90	-2,314.73	3,317.06	3,251.89	65.16	50.905		
6,600.00	4,800.31	4,811.31	4,811.31	76.62	17.04	130.82	-203.90	-2,314.73	3,381.85	3,316.23	65.62	51.539		
6,700.00	4,860.93	4,871.93	4,871.93	78.12	17.26	131.63	-203.90	-2,314.73	3,447.26	3,381.19	66.07	52.178		
6,800.00	4,921.54	4,932.54	4,932.54	79.61	17.47	132.41	-203.90	-2,314.73	3,513.26	3,446.74	66.51	52.820		
6,900.00	4,982.15	4,993.15	4,993.15	81.10	17.69	133.18	-203.90	-2,314.73	3,579.80	3,512.84	66.96	53.464		
7,000.00	5,042.76	5,053.76	5,053.76	82.60	17.91	133.92	-203.90	-2,314.73	3,646.87	3,579.47	67.40	54.109		
7,100.00	5,103.38	5,114.38	5,114.38	84.09	18.13	134.65	-203.90	-2,314.73	3,714.42	3,646.59	67.84	54.754		
7,200.00	5,163.99	5,174.99	5,174.99	85.58	18.34	135.36	-203.90	-2,314.73	3,782.45	3,714.17	68.28	55.400		
7,300.00	5,224.60	5,235.60	5,235.60	87.07	18.56	136.06	-203.90	-2,314.73	3,850.91	3,782.20	68.71	56.044		
7,400.00	5,285.21	5,296.21	5,296.21	88.57	18.78	136.73	-203.90	-2,314.73	3,919.80	3,850.65	69.15	56.686		
7,500.00	5,345.83	5,356.83	5,356.83	90.06	18.99	137.39	-203.90	-2,314.73	3,989.08	3,919.49	69.59	57.326		
7,600.00	5,406.44	5,417.44	5,417.44	91.56	19.21	138.04	-203.90	-2,314.73	4,058.73	3,988.71	70.02	57.963		
7,700.00	5,467.05	5,478.05	5,478.05	93.05	19.43	138.67	-203.90	-2,314.73	4,128.74	4,058.28	70.46	58.597		
7,800.00	5,527.66	5,538.66	5,538.66	94.54	19.65	139.28	-203.90	-2,314.73	4,199.10	4,128.20	70.90	59.227		
7,900.00	5,588.28	5,599.28	5,599.28	96.04	19.86	139.88	-203.90	-2,314.73	4,269.77	4,198.43	71.34	59.853		
8,000.00	5,648.89	5,659.89	5,659.89	97.53	20.08	140.46	-203.90	-2,314.73	4,340.75	4,268.97	71.78	60.474		
8,100.00	5,709.50	5,720.50	5,720.50	99.03	20.30	141.03	-203.90	-2,314.73	4,412.02	4,339.80	72.22	61.091		
8,200.00	5,770.11	5,781.11	5,781.11	100.52	20.52	141.58	-203.90	-2,314.73	4,483.58	4,410.91	72.66	61.703		
8,300.00	5,830.73	5,841.73	5,841.73	102.02	20.73	142.13	-203.90	-2,314.73	4,555.39	4,482.28	73.11	62.309		
8,400.00	5,891.34	5,902.34	5,902.34	103.51	20.95	142.66	-203.90	-2,314.73	4,627.46	4,553.90	73.56	62.910		
8,500.00	5,951.95	5,962.95	5,962.95	105.01	21.17	143.17	-203.90	-2,314.73	4,699.77	4,625.76	74.01	63.505		
8,600.00	6,012.57	6,023.57	6,023.57	106.50	21.38	143.68	-203.90	-2,314.73	4,772.31	4,697.85	74.46	64.094		
8,700.00	6,073.18	6,084.18	6,084.18	108.00	21.60	144.17	-203.90	-2,314.73	4,845.07	4,770.15	74.91	64.677		
8,800.00	6,133.79	6,144.79	6,144.79	109.49	21.82	144.65	-203.90	-2,314.73	4,918.04	4,842.67	75.37	65.254		
8,900.00	6,194.40	6,205.40	6,205.40	110.98	22.04	145.12	-203.90	-2,314.73	4,991.20	4,915.38	75.83	65.824		
9,000.00	6,255.02	6,266.02	6,266.02	112.48	22.25	145.58	-203.90	-2,314.73	5,064.57	4,988.28	76.29	66.388		
9,100.00	6,315.63	6,326.63	6,326.63	113.98	22.47	146.03	-203.90	-2,314.73	5,138.11	5,061.36	76.75	66.946		
9,200.00	6,376.24	6,387.24	6,387.24	115.47	22.69	146.47	-203.90	-2,314.73	5,211.83	5,134.62	77.22	67.497		
9,300.00	6,436.85	6,447.85	6,447.85	116.97	22.91	146.90	-203.90	-2,314.73	5,285.72	5,208.04	77.68	68.041		
9,400.00	6,497.47	6,508.47	6,508.47	118.46	23.12	147.32	-203.90	-2,314.73	5,359.77	5,281.62	78.15	68.579		
9,500.00	6,558.08	6,569.08	6,569.08	119.96	23.34	147.73	-203.90	-2,314.73	5,433.98	5,355.35	78.63	69.110		
9,600.00	6,618.69	6,629.69	6,629.69	121.45	23.56	148.13	-203.90	-2,314.73	5,508.34	5,429.23	79.10	69.634		
9,700.00	6,679.30	6,690.30	6,690.30	122.95	23.77	148.52	-203.90	-2,314.73	5,582.83	5,503.25	79.58	70.152		
9,800.00	6,739.92	6,750.92	6,750.92	124.44	23.99	148.91	-203.90	-2,314.73	5,657.47	5,577.41	80.06	70.663		
9,900.00	6,799.82	6,810.82	6,810.82	125.96	24.21	139.63	-203.90	-2,314.73	5,731.78	5,651.24	80.54	71.165		
10,000.00	6,854.86	6,865.86	6,865.86	127.56	24.40	124.84	-203.90	-2,314.73	5,802.78	5,721.78	81.00	71.641		
10,100.00	6,902.95	6,913.95	6,913.95	129.22	24.58	113.10	-203.90	-2,314.73	5,868.41	5,786.99	81.42	72.072		
10,200.00	6,942.63	6,953.63	6,953.63	130.85	24.72	104.16	-203.90	-2,314.73	5,927.07	5,845.26	81.82	72.445		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,972.70	6,983.70	6,983.70	132.42	24.83	97.61	-203.90	-2,314.73	5,977.39	5,895.22	82.17	72.746		
10,400.00	6,992.24	7,003.24	7,003.24	133.85	24.90	93.11	-203.90	-2,314.73	6,018.21	5,935.73	82.48	72.965		
10,500.00	7,000.67	7,011.67	7,011.67	135.10	24.93	90.41	-203.90	-2,314.73	6,048.61	5,965.86	82.75	73.092		
10,600.00	7,001.00	7,012.00	7,012.00	136.21	24.93	90.00	-203.90	-2,314.73	6,071.60	5,988.59	83.01	73.146		
10,700.00	7,001.00	7,012.00	7,012.00	137.35	24.93	90.00	-203.90	-2,314.73	6,095.77	6,012.48	83.29	73.185		
10,800.00	7,001.00	7,012.00	7,012.00	138.52	24.93	90.00	-203.90	-2,314.73	6,121.49	6,037.88	83.61	73.214		
10,900.00	7,001.00	7,012.00	7,012.00	139.72	24.93	90.00	-203.90	-2,314.73	6,148.72	6,064.76	83.96	73.234		
11,000.00	7,001.00	7,012.00	7,012.00	140.95	24.93	90.00	-203.90	-2,314.73	6,177.45	6,093.12	84.34	73.248		
11,100.00	7,001.00	7,012.00	7,012.00	142.22	24.93	90.00	-203.90	-2,314.73	6,207.66	6,122.92	84.74	73.257		
11,200.00	7,001.00	7,012.00	7,012.00	143.52	24.93	90.00	-203.90	-2,314.73	6,239.33	6,154.16	85.17	73.261		
11,300.00	7,001.00	7,012.00	7,012.00	144.85	24.93	90.00	-203.90	-2,314.73	6,272.43	6,186.81	85.61	73.264		
11,400.00	7,001.00	7,012.00	7,012.00	146.21	24.93	90.00	-203.90	-2,314.73	6,306.94	6,220.86	86.08	73.265		
11,500.00	7,001.00	7,012.00	7,012.00	147.61	24.93	90.00	-203.90	-2,314.73	6,342.84	6,256.27	86.57	73.267		
11,600.00	7,001.00	7,012.00	7,012.00	149.03	24.93	90.00	-203.90	-2,314.73	6,380.11	6,293.03	87.08	73.271		
11,700.00	7,001.00	7,012.00	7,012.00	150.49	24.93	90.00	-203.90	-2,314.73	6,418.72	6,331.12	87.60	73.277		
11,800.00	7,001.00	7,012.00	7,012.00	151.98	24.93	90.00	-203.90	-2,314.73	6,458.64	6,370.52	88.13	73.287		
11,900.00	7,001.00	7,012.00	7,012.00	153.50	24.93	90.00	-203.90	-2,314.73	6,499.86	6,411.19	88.67	73.302		
12,000.00	7,001.00	7,012.00	7,012.00	155.05	24.93	90.00	-203.90	-2,314.73	6,542.35	6,453.13	89.23	73.324		
12,100.00	7,001.00	7,012.00	7,012.00	156.62	24.93	90.00	-203.90	-2,314.73	6,586.08	6,496.30	89.79	73.352		
12,200.00	7,001.00	7,012.00	7,012.00	158.23	24.93	90.00	-203.90	-2,314.73	6,631.04	6,540.68	90.36	73.387		
12,300.00	7,001.00	7,012.00	7,012.00	159.87	24.93	90.00	-203.90	-2,314.73	6,677.19	6,586.25	90.93	73.431		
12,400.00	7,001.00	7,012.00	7,012.00	161.53	24.93	90.00	-203.90	-2,314.73	6,724.50	6,632.99	91.51	73.483		
12,500.00	7,001.00	7,012.00	7,012.00	163.22	24.93	90.00	-203.90	-2,314.73	6,772.97	6,680.88	92.09	73.545		
12,600.00	7,001.00	7,012.00	7,012.00	164.94	24.93	90.00	-203.90	-2,314.73	6,822.55	6,729.88	92.68	73.616		
12,700.00	7,001.00	7,012.00	7,012.00	166.69	24.93	90.00	-203.90	-2,314.73	6,873.24	6,779.98	93.26	73.698		
12,800.00	7,001.00	7,012.00	7,012.00	168.46	24.93	90.00	-203.90	-2,314.73	6,924.99	6,831.15	93.85	73.790		
12,900.00	7,001.00	7,012.00	7,012.00	170.26	24.93	90.00	-203.90	-2,314.73	6,977.80	6,883.37	94.43	73.893		
13,000.00	7,001.00	7,012.00	7,012.00	172.08	24.93	90.00	-203.90	-2,314.73	7,031.63	6,936.62	95.01	74.006		
13,100.00	7,001.00	7,012.00	7,012.00	173.92	24.93	90.00	-203.90	-2,314.73	7,086.46	6,990.87	95.59	74.131		
13,200.00	7,001.00	7,012.00	7,012.00	175.79	24.93	90.00	-203.90	-2,314.73	7,142.28	7,046.11	96.17	74.267		
13,300.00	7,001.00	7,012.00	7,012.00	177.68	24.93	90.00	-203.90	-2,314.73	7,199.05	7,102.30	96.74	74.414		
13,400.00	7,001.00	7,012.00	7,012.00	179.60	24.93	90.00	-203.90	-2,314.73	7,256.75	7,159.44	97.31	74.572		
13,500.00	7,001.00	7,012.00	7,012.00	181.53	24.93	90.00	-203.90	-2,314.73	7,315.36	7,217.49	97.88	74.741		
13,600.00	7,001.00	7,012.00	7,012.00	183.49	24.93	90.00	-203.90	-2,314.73	7,374.87	7,276.44	98.43	74.921		
13,700.00	7,001.00	7,012.00	7,012.00	185.47	24.93	90.00	-203.90	-2,314.73	7,435.24	7,336.26	98.99	75.113		
13,800.00	7,001.00	7,012.00	7,012.00	187.47	24.93	90.00	-203.90	-2,314.73	7,496.47	7,396.93	99.53	75.315		
13,900.00	7,001.00	7,012.00	7,012.00	189.49	24.93	90.00	-203.90	-2,314.73	7,558.52	7,458.44	100.08	75.528		
14,000.00	7,001.00	7,012.00	7,012.00	191.53	24.93	90.00	-203.90	-2,314.73	7,621.37	7,520.76	100.61	75.752		
14,100.00	7,001.00	7,012.00	7,012.00	193.58	24.93	90.00	-203.90	-2,314.73	7,685.01	7,583.88	101.14	75.986		
14,200.00	7,001.00	7,012.00	7,012.00	195.66	24.93	90.00	-203.90	-2,314.73	7,749.43	7,647.77	101.66	76.231		
14,300.00	7,001.00	7,012.00	7,012.00	197.75	24.93	90.00	-203.90	-2,314.73	7,814.58	7,712.41	102.17	76.486		
14,400.00	7,001.00	7,012.00	7,012.00	199.85	24.93	90.00	-203.90	-2,314.73	7,880.47	7,777.80	102.68	76.751		
14,500.00	7,001.00	7,012.00	7,012.00	201.98	24.93	90.00	-203.90	-2,314.73	7,947.08	7,843.90	103.17	77.026		
14,600.00	7,001.00	7,012.00	7,012.00	204.12	24.93	90.00	-203.90	-2,314.73	8,014.37	7,910.71	103.67	77.310		
14,700.00	7,001.00	7,012.00	7,012.00	206.27	24.93	90.00	-203.90	-2,314.73	8,082.35	7,978.20	104.15	77.604		
14,800.00	7,001.00	7,012.00	7,012.00	208.45	24.93	90.00	-203.90	-2,314.73	8,150.98	8,046.36	104.62	77.907		
14,900.00	7,001.00	7,012.00	7,012.00	210.63	24.93	90.00	-203.90	-2,314.73	8,220.26	8,115.16	105.09	78.219		
15,000.00	7,001.00	7,012.00	7,012.00	212.83	24.93	90.00	-203.90	-2,314.73	8,290.16	8,184.61	105.55	78.540		
15,100.00	7,001.00	7,012.00	7,012.00	215.04	24.93	90.00	-203.90	-2,314.73	8,360.68	8,254.67	106.01	78.870		
15,200.00	7,001.00	7,012.00	7,012.00	217.27	24.93	90.00	-203.90	-2,314.73	8,431.79	8,325.34	106.45	79.208		
15,300.00	7,001.00	7,012.00	7,012.00	219.51	24.93	90.00	-203.90	-2,314.73	8,503.48	8,396.59	106.89	79.554		
15,400.00	7,001.00	7,012.00	7,012.00	221.76	24.93	90.00	-203.90	-2,314.73	8,575.74	8,468.42	107.32	79.908		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ABND VERT LIND 36-32 - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,500.00	7,001.00	7,012.00	7,012.00	224.02	24.93	90.00	-203.90	-2,314.73	8,648.55	8,540.81	107.74	80.270	
15,600.00	7,001.00	7,012.00	7,012.00	226.30	24.93	90.00	-203.90	-2,314.73	8,721.91	8,613.75	108.16	80.640	
15,700.00	7,001.00	7,012.00	7,012.00	228.58	24.93	90.00	-203.90	-2,314.73	8,795.78	8,687.22	108.57	81.017	
15,800.00	7,001.00	7,012.00	7,012.00	230.88	24.93	90.00	-203.90	-2,314.73	8,870.17	8,761.20	108.97	81.401	
15,900.00	7,001.00	7,012.00	7,012.00	233.19	24.93	90.00	-203.90	-2,314.73	8,945.06	8,835.70	109.36	81.793	
16,000.00	7,001.00	7,012.00	7,012.00	235.50	24.93	90.00	-203.90	-2,314.73	9,020.43	8,910.68	109.75	82.191	
16,100.00	7,001.00	7,012.00	7,012.00	237.83	24.93	90.00	-203.90	-2,314.73	9,096.28	8,986.15	110.13	82.596	
16,200.00	7,001.00	7,012.00	7,012.00	240.17	24.93	90.00	-203.90	-2,314.73	9,172.60	9,062.09	110.50	83.007	
16,300.00	7,001.00	7,012.00	7,012.00	242.52	24.93	90.00	-203.90	-2,314.73	9,249.36	9,138.49	110.87	83.425	
16,400.00	7,001.00	7,012.00	7,012.00	244.87	24.93	90.00	-203.90	-2,314.73	9,326.56	9,215.33	111.23	83.849	
16,500.00	7,001.00	7,012.00	7,012.00	247.24	24.93	90.00	-203.90	-2,314.73	9,404.20	9,292.61	111.58	84.279	
16,600.00	7,001.00	7,012.00	7,012.00	249.61	24.93	90.00	-203.90	-2,314.73	9,482.25	9,370.32	111.93	84.714	
16,700.00	7,001.00	7,012.00	7,012.00	251.99	24.93	90.00	-203.90	-2,314.73	9,560.71	9,448.44	112.27	85.156	
16,800.00	7,001.00	7,012.00	7,012.00	254.38	24.93	90.00	-203.90	-2,314.73	9,639.57	9,526.97	112.61	85.603	
16,900.00	7,001.00	7,012.00	7,012.00	256.78	24.93	90.00	-203.90	-2,314.73	9,718.82	9,605.89	112.94	86.055	
17,000.00	7,001.00	7,012.00	7,012.00	259.18	24.93	90.00	-203.90	-2,314.73	9,798.45	9,685.19	113.26	86.512	
17,100.00	7,001.00	7,012.00	7,012.00	261.59	24.93	90.00	-203.90	-2,314.73	9,878.45	9,764.87	113.58	86.975	
17,200.00	7,001.00	7,012.00	7,012.00	264.01	24.93	90.00	-203.90	-2,314.73	9,958.81	9,844.92	113.89	87.442	
17,300.00	7,001.00	7,012.00	7,012.00	266.44	24.93	90.00	-203.90	-2,314.73	10,039.53	9,925.33	114.20	87.914	

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ABND VERT LIND 36-33 - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	85.00	85.00	0.27	0.13	-128.77	-1,872.43	-2,331.57	2,990.35	2,989.95	0.40	7,535.624		
200.00	200.00	185.00	185.00	0.63	0.46	-128.77	-1,872.43	-2,331.57	2,990.35	2,989.27	1.08	2,762.232		
300.00	300.00	285.00	285.00	0.99	0.81	-128.77	-1,872.43	-2,331.57	2,990.35	2,988.55	1.80	1,661.742		
400.00	399.98	384.98	384.98	1.33	1.17	23.00	-1,872.43	-2,331.57	2,988.74	2,986.24	2.50	1,194.579		
500.00	499.84	484.84	484.84	1.67	1.53	23.08	-1,872.43	-2,331.57	2,983.93	2,980.72	3.20	931.851		
600.00	599.45	584.45	584.45	2.03	1.89	23.21	-1,872.43	-2,331.57	2,975.91	2,972.00	3.91	760.753		
700.00	698.70	683.70	683.70	2.41	2.24	23.39	-1,872.43	-2,331.57	2,964.70	2,960.07	4.63	640.549		
800.00	797.47	782.47	782.47	2.81	2.60	23.63	-1,872.43	-2,331.57	2,950.33	2,944.98	5.35	551.326		
900.00	895.62	880.62	880.62	3.25	2.95	23.92	-1,872.43	-2,331.57	2,932.82	2,926.74	6.08	482.295		
1,000.00	993.06	978.06	978.06	3.72	3.30	24.27	-1,872.43	-2,331.57	2,912.19	2,905.38	6.82	427.139		
1,100.00	1,089.64	1,074.64	1,074.64	4.23	3.64	24.68	-1,872.43	-2,331.57	2,888.50	2,880.94	7.56	381.920		
1,200.00	1,185.27	1,170.27	1,170.27	4.78	3.99	25.16	-1,872.43	-2,331.57	2,861.79	2,853.47	8.32	344.064		
1,300.00	1,279.82	1,264.82	1,264.82	5.38	4.33	25.71	-1,872.43	-2,331.57	2,832.09	2,823.01	9.08	311.818		
1,400.00	1,373.17	1,358.17	1,358.17	6.03	4.66	26.33	-1,872.43	-2,331.57	2,799.48	2,789.62	9.86	283.949		
1,500.00	1,465.21	1,450.21	1,450.21	6.73	4.99	27.02	-1,872.43	-2,331.57	2,764.02	2,753.37	10.65	259.564		
1,600.00	1,555.84	1,540.84	1,540.84	7.48	5.32	27.80	-1,872.43	-2,331.57	2,725.77	2,714.32	11.45	238.001		
1,700.00	1,644.94	1,629.94	1,629.94	8.28	5.63	28.67	-1,872.43	-2,331.57	2,684.82	2,672.55	12.27	218.760		
1,800.00	1,732.39	1,717.39	1,717.39	9.13	5.95	29.64	-1,872.43	-2,331.57	2,641.25	2,628.14	13.11	201.454		
1,900.00	1,818.11	1,803.11	1,803.11	10.04	6.26	30.71	-1,872.43	-2,331.57	2,595.15	2,581.18	13.97	185.780		
2,000.00	1,901.97	1,886.97	1,886.97	11.00	6.56	31.89	-1,872.43	-2,331.57	2,546.63	2,531.78	14.85	171.498		
2,100.00	1,983.88	1,968.88	1,968.88	12.01	6.85	33.19	-1,872.43	-2,331.57	2,495.79	2,480.03	15.75	158.415		
2,200.00	2,063.74	2,048.74	2,048.74	13.07	7.14	34.62	-1,872.43	-2,331.57	2,442.76	2,426.07	16.69	146.374		
2,300.00	2,141.45	2,126.45	2,126.45	14.19	7.41	36.19	-1,872.43	-2,331.57	2,387.67	2,370.02	17.65	135.247		
2,400.00	2,216.92	2,201.92	2,201.92	15.35	7.69	37.91	-1,872.43	-2,331.57	2,330.67	2,312.01	18.66	124.926		
2,500.00	2,290.05	2,275.05	2,275.05	16.57	7.95	39.78	-1,872.43	-2,331.57	2,271.90	2,252.20	19.70	115.326		
2,600.00	2,360.76	2,345.76	2,345.76	17.83	8.20	41.82	-1,872.43	-2,331.57	2,211.54	2,190.75	20.79	106.374		
2,700.00	2,428.95	2,413.95	2,413.95	19.14	8.45	44.02	-1,872.43	-2,331.57	2,149.77	2,127.83	21.93	98.009		
2,800.00	2,494.55	2,479.55	2,479.55	20.50	8.68	46.39	-1,872.43	-2,331.57	2,086.80	2,063.66	23.14	90.182		
2,900.00	2,557.48	2,542.48	2,542.48	21.89	8.91	48.93	-1,872.43	-2,331.57	2,022.85	1,998.44	24.41	82.854		
3,000.00	2,618.26	2,603.26	2,603.26	23.33	9.12	50.77	-1,872.43	-2,331.57	1,958.53	1,932.77	25.76	76.015		
3,100.00	2,678.87	2,663.87	2,663.87	24.77	9.34	52.21	-1,872.43	-2,331.57	1,895.26	1,868.07	27.19	69.700		
3,200.00	2,739.49	2,724.49	2,724.49	26.22	9.56	53.72	-1,872.43	-2,331.57	1,833.26	1,804.56	28.70	63.876		
3,300.00	2,800.10	2,785.10	2,785.10	27.68	9.78	55.29	-1,872.43	-2,331.57	1,772.65	1,742.36	30.29	58.514		
3,400.00	2,860.71	2,845.71	2,845.71	29.14	9.99	56.92	-1,872.43	-2,331.57	1,713.60	1,681.62	31.98	53.587		
3,500.00	2,921.32	2,906.32	2,906.32	30.60	10.21	58.61	-1,872.43	-2,331.57	1,656.26	1,622.51	33.75	49.070		
3,600.00	2,981.94	2,966.94	2,966.94	32.07	10.43	60.37	-1,872.43	-2,331.57	1,600.82	1,565.20	35.62	44.939		
3,700.00	3,042.55	3,027.55	3,027.55	33.54	10.64	62.19	-1,872.43	-2,331.57	1,547.48	1,509.89	37.59	41.171		
3,800.00	3,103.16	3,088.16	3,088.16	35.01	10.86	64.07	-1,872.43	-2,331.57	1,496.47	1,456.83	39.64	37.748		
3,900.00	3,163.77	3,148.77	3,148.77	36.48	11.08	66.02	-1,872.43	-2,331.57	1,448.03	1,406.24	41.79	34.650		
4,000.00	3,224.39	3,209.39	3,209.39	37.96	11.30	68.02	-1,872.43	-2,331.57	1,402.44	1,358.42	44.02	31.859		
4,100.00	3,285.00	3,270.00	3,270.00	39.44	11.51	70.09	-1,872.43	-2,331.57	1,359.97	1,313.65	46.32	29.358		
4,200.00	3,345.61	3,330.61	3,330.61	40.92	11.73	72.20	-1,872.43	-2,331.57	1,320.93	1,272.25	48.68	27.134		
4,300.00	3,406.22	3,391.22	3,391.22	42.40	11.95	74.37	-1,872.43	-2,331.57	1,285.63	1,234.55	51.08	25.170		
4,400.00	3,466.84	3,451.84	3,451.84	43.88	12.17	76.59	-1,872.43	-2,331.57	1,254.39	1,200.90	53.48	23.454		
4,500.00	3,527.45	3,512.45	3,512.45	45.36	12.38	78.85	-1,872.43	-2,331.57	1,227.51	1,171.64	55.87	21.971		
4,600.00	3,588.06	3,573.06	3,573.06	46.84	12.60	81.15	-1,872.43	-2,331.57	1,205.29	1,147.09	58.20	20.709		
4,700.00	3,648.67	3,633.67	3,633.67	48.33	12.82	83.47	-1,872.43	-2,331.57	1,187.99	1,127.55	60.44	19.656		
4,800.00	3,709.29	3,694.29	3,694.29	49.81	13.04	85.81	-1,872.43	-2,331.57	1,175.83	1,113.28	62.55	18.799		
4,900.00	3,769.90	3,754.90	3,754.90	51.30	13.25	88.17	-1,872.43	-2,331.57	1,168.96	1,104.47	64.49	18.125		
4,977.23	3,816.71	3,801.71	3,801.71	52.45	13.42	90.00	-1,872.43	-2,331.57	1,167.35	1,101.48	65.86	17.723 CC		
5,000.00	3,830.51	3,815.51	3,815.51	52.78	13.47	90.54	-1,872.43	-2,331.57	1,167.49	1,101.24	66.25	17.624 ES		
5,100.00	3,891.12	3,876.12	3,876.12	54.27	13.69	92.90	-1,872.43	-2,331.57	1,171.43	1,103.64	67.78	17.282		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,951.74	3,936.74	3,936.74	55.76	13.90	95.26	-1,872.43	-2,331.57	1,180.72	1,111.63	69.09	17.089		
5,300.00	4,012.35	3,997.35	3,997.35	57.25	14.12	97.59	-1,872.43	-2,331.57	1,195.24	1,125.07	70.17	17.033 SF		
5,400.00	4,072.96	4,057.96	4,057.96	58.73	14.34	99.90	-1,872.43	-2,331.57	1,214.81	1,143.79	71.03	17.103		
5,500.00	4,133.58	4,118.58	4,118.58	60.22	14.56	102.18	-1,872.43	-2,331.57	1,239.19	1,167.51	71.68	17.288		
5,600.00	4,194.19	4,179.19	4,179.19	61.71	14.77	104.42	-1,872.43	-2,331.57	1,268.09	1,195.95	72.14	17.578		
5,700.00	4,254.80	4,239.80	4,239.80	63.20	14.99	106.62	-1,872.43	-2,331.57	1,301.22	1,228.78	72.44	17.962		
5,800.00	4,315.41	4,300.41	4,300.41	64.69	15.21	108.77	-1,872.43	-2,331.57	1,338.26	1,265.66	72.60	18.432		
5,900.00	4,376.03	4,361.03	4,361.03	66.18	15.43	110.86	-1,872.43	-2,331.57	1,378.90	1,306.25	72.66	18.979		
6,000.00	4,436.64	4,421.64	4,421.64	67.67	15.64	112.90	-1,872.43	-2,331.57	1,422.83	1,350.21	72.62	19.593		
6,100.00	4,497.25	4,482.25	4,482.25	69.17	15.86	114.88	-1,872.43	-2,331.57	1,469.76	1,397.24	72.52	20.267		
6,200.00	4,557.86	4,542.86	4,542.86	70.66	16.08	116.79	-1,872.43	-2,331.57	1,519.40	1,447.03	72.37	20.995		
6,300.00	4,618.48	4,603.48	4,603.48	72.15	16.29	118.65	-1,872.43	-2,331.57	1,571.50	1,499.31	72.19	21.769		
6,400.00	4,679.09	4,664.09	4,664.09	73.64	16.51	120.44	-1,872.43	-2,331.57	1,625.82	1,553.82	71.99	22.583		
6,500.00	4,739.70	4,724.70	4,724.70	75.13	16.73	122.16	-1,872.43	-2,331.57	1,682.15	1,610.36	71.79	23.431		
6,600.00	4,800.31	4,785.31	4,785.31	76.62	16.95	123.83	-1,872.43	-2,331.57	1,740.29	1,668.70	71.59	24.309		
6,700.00	4,860.93	4,845.93	4,845.93	78.12	17.16	125.43	-1,872.43	-2,331.57	1,800.07	1,728.67	71.40	25.211		
6,800.00	4,921.54	4,906.54	4,906.54	79.61	17.38	126.97	-1,872.43	-2,331.57	1,861.33	1,790.11	71.22	26.134		
6,900.00	4,982.15	4,967.15	4,967.15	81.10	17.60	128.45	-1,872.43	-2,331.57	1,923.93	1,852.86	71.07	27.072		
7,000.00	5,042.76	5,027.76	5,027.76	82.60	17.82	129.87	-1,872.43	-2,331.57	1,987.74	1,916.81	70.93	28.024		
7,100.00	5,103.38	5,088.38	5,088.38	84.09	18.03	131.24	-1,872.43	-2,331.57	2,052.64	1,981.83	70.82	28.986		
7,200.00	5,163.99	5,148.99	5,148.99	85.58	18.25	132.55	-1,872.43	-2,331.57	2,118.55	2,047.82	70.73	29.954		
7,300.00	5,224.60	5,209.60	5,209.60	87.07	18.47	133.81	-1,872.43	-2,331.57	2,185.36	2,114.70	70.66	30.927		
7,400.00	5,285.21	5,270.21	5,270.21	88.57	18.68	135.02	-1,872.43	-2,331.57	2,253.00	2,182.38	70.62	31.902		
7,500.00	5,345.83	5,330.83	5,330.83	90.06	18.90	136.17	-1,872.43	-2,331.57	2,321.40	2,250.79	70.61	32.877		
7,600.00	5,406.44	5,391.44	5,391.44	91.56	19.12	137.29	-1,872.43	-2,331.57	2,390.48	2,319.86	70.62	33.850		
7,700.00	5,467.05	5,452.05	5,452.05	93.05	19.34	138.35	-1,872.43	-2,331.57	2,460.19	2,389.54	70.66	34.820		
7,800.00	5,527.66	5,512.66	5,512.66	94.54	19.55	139.38	-1,872.43	-2,331.57	2,530.49	2,459.77	70.71	35.785		
7,900.00	5,588.28	5,573.28	5,573.28	96.04	19.77	140.36	-1,872.43	-2,331.57	2,601.32	2,530.52	70.80	36.744		
8,000.00	5,648.89	5,633.89	5,633.89	97.53	19.99	141.30	-1,872.43	-2,331.57	2,672.63	2,601.73	70.90	37.695		
8,100.00	5,709.50	5,694.50	5,694.50	99.03	20.21	142.21	-1,872.43	-2,331.57	2,744.40	2,673.37	71.03	38.639		
8,200.00	5,770.11	5,755.11	5,755.11	100.52	20.42	143.08	-1,872.43	-2,331.57	2,816.59	2,745.41	71.17	39.573		
8,300.00	5,830.73	5,815.73	5,815.73	102.02	20.64	143.92	-1,872.43	-2,331.57	2,889.16	2,817.82	71.34	40.498		
8,400.00	5,891.34	5,876.34	5,876.34	103.51	20.86	144.72	-1,872.43	-2,331.57	2,962.09	2,890.56	71.53	41.413		
8,500.00	5,951.95	5,936.95	5,936.95	105.01	21.07	145.50	-1,872.43	-2,331.57	3,035.35	2,963.62	71.73	42.317		
8,600.00	6,012.57	5,997.57	5,997.57	106.50	21.29	146.24	-1,872.43	-2,331.57	3,108.92	3,036.97	71.95	43.209		
8,700.00	6,073.18	6,058.18	6,058.18	108.00	21.51	146.96	-1,872.43	-2,331.57	3,182.78	3,110.59	72.19	44.090		
8,800.00	6,133.79	6,118.79	6,118.79	109.49	21.73	147.65	-1,872.43	-2,331.57	3,256.90	3,184.46	72.44	44.959		
8,900.00	6,194.40	6,179.40	6,179.40	110.98	21.94	148.31	-1,872.43	-2,331.57	3,331.28	3,258.57	72.71	45.816		
9,000.00	6,255.02	6,240.02	6,240.02	112.48	22.16	148.96	-1,872.43	-2,331.57	3,405.89	3,332.89	72.99	46.661		
9,100.00	6,315.63	6,300.63	6,300.63	113.98	22.38	149.57	-1,872.43	-2,331.57	3,480.71	3,407.42	73.29	47.492		
9,200.00	6,376.24	6,361.24	6,361.24	115.47	22.60	150.17	-1,872.43	-2,331.57	3,555.74	3,482.14	73.60	48.312		
9,300.00	6,436.85	6,421.85	6,421.85	116.97	22.81	150.74	-1,872.43	-2,331.57	3,630.96	3,557.04	73.92	49.118		
9,400.00	6,497.47	6,482.47	6,482.47	118.46	23.03	151.30	-1,872.43	-2,331.57	3,706.37	3,632.11	74.26	49.912		
9,500.00	6,558.08	6,543.08	6,543.08	119.96	23.25	151.84	-1,872.43	-2,331.57	3,781.94	3,707.33	74.60	50.693		
9,600.00	6,618.69	6,603.69	6,603.69	121.45	23.46	152.35	-1,872.43	-2,331.57	3,857.67	3,782.71	74.96	51.462		
9,700.00	6,679.30	6,664.30	6,664.30	122.95	23.68	152.86	-1,872.43	-2,331.57	3,933.55	3,858.22	75.33	52.218		
9,800.00	6,739.92	6,724.92	6,724.92	124.44	23.90	153.34	-1,872.43	-2,331.57	4,009.57	3,933.87	75.71	52.961		
9,900.00	6,799.82	6,784.82	6,784.82	125.96	24.11	153.76	-1,872.43	-2,331.57	4,085.42	4,009.35	76.08	53.702		
10,000.00	6,854.86	6,839.86	6,839.86	127.56	24.31	154.13	-1,872.43	-2,331.57	4,158.80	4,082.45	76.34	54.474		
10,100.00	6,909.95	6,889.95	6,889.95	129.22	24.48	154.44	-1,872.43	-2,331.57	4,227.76	4,151.25	76.51	55.260		
10,200.00	6,964.63	6,944.63	6,944.63	130.85	24.63	154.69	-1,872.43	-2,331.57	4,290.74	4,214.17	76.57	56.040		
10,300.00	6,972.70	6,957.70	6,957.70	132.42	24.73	154.91	-1,872.43	-2,331.57	4,346.35	4,269.82	76.53	56.791		

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

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ABND VERT LIND 36-33 - 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		
10,400.00	6,992.24	6,977.24	6,977.24	133.85	24.80	93.82	-1,872.43	-2,331.57	4,393.43	4,317.02	76.42	57.494		
10,500.00	7,000.67	6,985.67	6,985.67	135.10	24.83	90.54	-1,872.43	-2,331.57	4,430.98	4,354.75	76.23	58.125		
10,600.00	7,001.00	6,986.00	6,986.00	136.21	24.83	90.00	-1,872.43	-2,331.57	4,461.84	4,385.82	76.03	58.689		
10,700.00	7,001.00	6,986.00	6,986.00	137.35	24.83	90.00	-1,872.43	-2,331.57	4,494.36	4,418.49	75.87	59.240		
10,800.00	7,001.00	6,986.00	6,986.00	138.52	24.83	90.00	-1,872.43	-2,331.57	4,528.85	4,453.09	75.75	59.783		
10,900.00	7,001.00	6,986.00	6,986.00	139.72	24.83	90.00	-1,872.43	-2,331.57	4,565.27	4,489.58	75.69	60.317		
11,000.00	7,001.00	6,986.00	6,986.00	140.95	24.83	90.00	-1,872.43	-2,331.57	4,603.58	4,527.91	75.67	60.841		
11,100.00	7,001.00	6,986.00	6,986.00	142.22	24.83	90.00	-1,872.43	-2,331.57	4,643.72	4,568.04	75.68	61.356		
11,200.00	7,001.00	6,986.00	6,986.00	143.52	24.83	90.00	-1,872.43	-2,331.57	4,685.66	4,609.91	75.74	61.863		
11,300.00	7,001.00	6,986.00	6,986.00	144.85	24.83	90.00	-1,872.43	-2,331.57	4,729.33	4,653.49	75.84	62.360		
11,400.00	7,001.00	6,986.00	6,986.00	146.21	24.83	90.00	-1,872.43	-2,331.57	4,774.71	4,698.74	75.97	62.850		
11,500.00	7,001.00	6,986.00	6,986.00	147.61	24.83	90.00	-1,872.43	-2,331.57	4,821.73	4,745.59	76.13	63.333		
11,600.00	7,001.00	6,986.00	6,986.00	149.03	24.83	90.00	-1,872.43	-2,331.57	4,870.35	4,794.02	76.33	63.810		
11,700.00	7,001.00	6,986.00	6,986.00	150.49	24.83	90.00	-1,872.43	-2,331.57	4,920.52	4,843.97	76.55	64.281		
11,800.00	7,001.00	6,986.00	6,986.00	151.98	24.83	90.00	-1,872.43	-2,331.57	4,972.19	4,895.40	76.79	64.749		
11,900.00	7,001.00	6,986.00	6,986.00	153.50	24.83	90.00	-1,872.43	-2,331.57	5,025.33	4,948.27	77.06	65.213		
12,000.00	7,001.00	6,986.00	6,986.00	155.05	24.83	90.00	-1,872.43	-2,331.57	5,079.88	5,002.53	77.35	65.675		
12,100.00	7,001.00	6,986.00	6,986.00	156.62	24.83	90.00	-1,872.43	-2,331.57	5,135.79	5,058.14	77.66	66.135		
12,200.00	7,001.00	6,986.00	6,986.00	158.23	24.83	90.00	-1,872.43	-2,331.57	5,193.03	5,115.06	77.98	66.596		
12,300.00	7,001.00	6,986.00	6,986.00	159.87	24.83	90.00	-1,872.43	-2,331.57	5,251.55	5,173.24	78.31	67.057		
12,400.00	7,001.00	6,986.00	6,986.00	161.53	24.83	90.00	-1,872.43	-2,331.57	5,311.31	5,232.65	78.66	67.520		
12,500.00	7,001.00	6,986.00	6,986.00	163.22	24.83	90.00	-1,872.43	-2,331.57	5,372.27	5,293.25	79.02	67.986		
12,600.00	7,001.00	6,986.00	6,986.00	164.94	24.83	90.00	-1,872.43	-2,331.57	5,434.38	5,354.99	79.39	68.454		
12,700.00	7,001.00	6,986.00	6,986.00	166.69	24.83	90.00	-1,872.43	-2,331.57	5,497.61	5,417.85	79.76	68.926		
12,800.00	7,001.00	6,986.00	6,986.00	168.46	24.83	90.00	-1,872.43	-2,331.57	5,561.92	5,481.78	80.14	69.402		
12,900.00	7,001.00	6,986.00	6,986.00	170.26	24.83	90.00	-1,872.43	-2,331.57	5,627.27	5,546.75	80.52	69.883		
13,000.00	7,001.00	6,986.00	6,986.00	172.08	24.83	90.00	-1,872.43	-2,331.57	5,693.63	5,612.72	80.91	70.369		
13,100.00	7,001.00	6,986.00	6,986.00	173.92	24.83	90.00	-1,872.43	-2,331.57	5,760.96	5,679.66	81.30	70.861		
13,200.00	7,001.00	6,986.00	6,986.00	175.79	24.83	90.00	-1,872.43	-2,331.57	5,829.22	5,747.53	81.69	71.359		
13,300.00	7,001.00	6,986.00	6,986.00	177.68	24.83	90.00	-1,872.43	-2,331.57	5,898.39	5,816.31	82.08	71.862		
13,400.00	7,001.00	6,986.00	6,986.00	179.60	24.83	90.00	-1,872.43	-2,331.57	5,968.44	5,885.97	82.47	72.372		
13,500.00	7,001.00	6,986.00	6,986.00	181.53	24.83	90.00	-1,872.43	-2,331.57	6,039.33	5,956.47	82.86	72.889		
13,600.00	7,001.00	6,986.00	6,986.00	183.49	24.83	90.00	-1,872.43	-2,331.57	6,111.03	6,027.79	83.24	73.412		
13,700.00	7,001.00	6,986.00	6,986.00	185.47	24.83	90.00	-1,872.43	-2,331.57	6,183.52	6,099.89	83.63	73.942		
13,800.00	7,001.00	6,986.00	6,986.00	187.47	24.83	90.00	-1,872.43	-2,331.57	6,256.77	6,172.76	84.01	74.478		
13,900.00	7,001.00	6,986.00	6,986.00	189.49	24.83	90.00	-1,872.43	-2,331.57	6,330.75	6,246.36	84.39	75.021		
14,000.00	7,001.00	6,986.00	6,986.00	191.53	24.83	90.00	-1,872.43	-2,331.57	6,405.44	6,320.68	84.76	75.571		
14,100.00	7,001.00	6,986.00	6,986.00	193.58	24.83	90.00	-1,872.43	-2,331.57	6,480.80	6,395.67	85.13	76.128		
14,200.00	7,001.00	6,986.00	6,986.00	195.66	24.83	90.00	-1,872.43	-2,331.57	6,556.83	6,471.34	85.50	76.692		
14,300.00	7,001.00	6,986.00	6,986.00	197.75	24.83	90.00	-1,872.43	-2,331.57	6,633.50	6,547.64	85.86	77.262		
14,400.00	7,001.00	6,986.00	6,986.00	199.85	24.83	90.00	-1,872.43	-2,331.57	6,710.78	6,624.56	86.21	77.838		
14,500.00	7,001.00	6,986.00	6,986.00	201.98	24.83	90.00	-1,872.43	-2,331.57	6,788.65	6,702.08	86.57	78.421		
14,600.00	7,001.00	6,986.00	6,986.00	204.12	24.83	90.00	-1,872.43	-2,331.57	6,867.09	6,780.18	86.91	79.010		
14,700.00	7,001.00	6,986.00	6,986.00	206.27	24.83	90.00	-1,872.43	-2,331.57	6,946.09	6,858.83	87.26	79.606		
14,800.00	7,001.00	6,986.00	6,986.00	208.45	24.83	90.00	-1,872.43	-2,331.57	7,025.62	6,938.03	87.59	80.208		
14,900.00	7,001.00	6,986.00	6,986.00	210.63	24.83	90.00	-1,872.43	-2,331.57	7,105.67	7,017.75	87.93	80.815		
15,000.00	7,001.00	6,986.00	6,986.00	212.83	24.83	90.00	-1,872.43	-2,331.57	7,186.23	7,097.97	88.25	81.428		
15,100.00	7,001.00	6,986.00	6,986.00	215.04	24.83	90.00	-1,872.43	-2,331.57	7,267.26	7,178.69	88.57	82.047		
15,200.00	7,001.00	6,986.00	6,986.00	217.27	24.83	90.00	-1,872.43	-2,331.57	7,348.76	7,259.87	88.89	82.672		
15,300.00	7,001.00	6,986.00	6,986.00	219.51	24.83	90.00	-1,872.43	-2,331.57	7,430.71	7,341.51	89.20	83.302		
15,400.00	7,001.00	6,986.00	6,986.00	221.76	24.83	90.00	-1,872.43	-2,331.57	7,513.10	7,423.60	89.51	83.937		
15,500.00	7,001.00	6,986.00	6,986.00	224.02	24.83	90.00	-1,872.43	-2,331.57	7,595.92	7,506.11	89.81	84.577		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,600.00	7,001.00	6,986.00	6,986.00	226.30	24.83	90.00	-1,872.43	-2,331.57	7,679.14	7,589.03	90.11	85.223		
15,700.00	7,001.00	6,986.00	6,986.00	228.58	24.83	90.00	-1,872.43	-2,331.57	7,762.76	7,672.36	90.40	85.873		
15,800.00	7,001.00	6,986.00	6,986.00	230.88	24.83	90.00	-1,872.43	-2,331.57	7,846.76	7,756.07	90.69	86.528		
15,900.00	7,001.00	6,986.00	6,986.00	233.19	24.83	90.00	-1,872.43	-2,331.57	7,931.13	7,840.16	90.97	87.187		
16,000.00	7,001.00	6,986.00	6,986.00	235.50	24.83	90.00	-1,872.43	-2,331.57	8,015.86	7,924.62	91.24	87.851		
16,100.00	7,001.00	6,986.00	6,986.00	237.83	24.83	90.00	-1,872.43	-2,331.57	8,100.94	8,009.43	91.52	88.519		
16,200.00	7,001.00	6,986.00	6,986.00	240.17	24.83	90.00	-1,872.43	-2,331.57	8,186.36	8,094.58	91.78	89.191		
16,300.00	7,001.00	6,986.00	6,986.00	242.52	24.83	90.00	-1,872.43	-2,331.57	8,272.11	8,180.06	92.05	89.867		
16,400.00	7,001.00	6,986.00	6,986.00	244.87	24.83	90.00	-1,872.43	-2,331.57	8,358.17	8,265.86	92.31	90.547		
16,500.00	7,001.00	6,986.00	6,986.00	247.24	24.83	90.00	-1,872.43	-2,331.57	8,444.54	8,351.97	92.56	91.231		
16,600.00	7,001.00	6,986.00	6,986.00	249.61	24.83	90.00	-1,872.43	-2,331.57	8,531.20	8,438.39	92.81	91.919		
16,700.00	7,001.00	6,986.00	6,986.00	251.99	24.83	90.00	-1,872.43	-2,331.57	8,618.16	8,525.10	93.06	92.610		
16,800.00	7,001.00	6,986.00	6,986.00	254.38	24.83	90.00	-1,872.43	-2,331.57	8,705.39	8,612.09	93.30	93.304		
16,900.00	7,001.00	6,986.00	6,986.00	256.78	24.83	90.00	-1,872.43	-2,331.57	8,792.90	8,699.36	93.54	94.002		
17,000.00	7,001.00	6,986.00	6,986.00	259.18	24.83	90.00	-1,872.43	-2,331.57	8,880.67	8,786.90	93.77	94.703		
17,100.00	7,001.00	6,986.00	6,986.00	261.59	24.83	90.00	-1,872.43	-2,331.57	8,968.70	8,874.69	94.00	95.407		
17,200.00	7,001.00	6,986.00	6,986.00	264.01	24.83	90.00	-1,872.43	-2,331.57	9,056.97	8,962.74	94.23	96.114		
17,300.00	7,001.00	6,986.00	6,986.00	266.44	24.83	90.00	-1,872.43	-2,331.57	9,145.49	9,051.03	94.46	96.824		
17,400.00	7,001.00	6,986.00	6,986.00	268.87	24.83	90.00	-1,872.43	-2,331.57	9,234.24	9,139.56	94.67	97.536		
17,500.00	7,001.00	6,986.00	6,986.00	271.31	24.83	90.00	-1,872.43	-2,331.57	9,323.22	9,228.33	94.89	98.251		
17,600.00	7,001.00	6,986.00	6,986.00	273.75	24.83	90.00	-1,872.43	-2,331.57	9,412.42	9,317.31	95.10	98.969		
17,700.00	7,001.00	6,986.00	6,986.00	276.20	24.83	90.00	-1,872.43	-2,331.57	9,501.83	9,406.52	95.31	99.690		
17,800.00	7,001.00	6,986.00	6,986.00	278.66	24.83	90.00	-1,872.43	-2,331.57	9,591.46	9,495.94	95.52	100.412		
17,900.00	7,001.00	6,986.00	6,986.00	281.12	24.83	90.00	-1,872.43	-2,331.57	9,681.29	9,585.56	95.72	101.137		
18,000.00	7,001.00	6,986.00	6,986.00	283.59	24.83	90.00	-1,872.43	-2,331.57	9,771.50	9,675.58	95.92	101.869		
18,100.00	7,001.00	6,986.00	6,986.00	286.09	24.83	90.00	-1,872.43	-2,331.57	9,863.16	9,767.06	96.10	102.632		
18,200.00	7,001.00	6,986.00	6,986.00	288.62	24.83	90.00	-1,872.43	-2,331.57	9,956.30	9,860.04	96.26	103.429		
18,300.00	7,001.00	6,986.00	6,986.00	291.16	24.83	90.00	-1,872.43	-2,331.57	10,050.17	9,953.76	96.41	104.243		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 99-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	92.97	92.96	0.27	0.15	-178.01	-2,115.64	-73.68	2,117.04	2,116.63	0.41	5,140.932		
200.00	200.00	185.00	184.98	0.63	0.46	-177.98	-2,114.58	-74.45	2,115.94	2,114.85	1.08	1,950.501		
226.45	226.45	197.16	197.14	0.72	0.50	-177.98	-2,114.57	-74.49	2,115.88	2,114.66	1.22	1,731.769		
300.00	300.00	251.43	251.41	0.99	0.69	-177.99	-2,114.83	-74.33	2,116.23	2,114.55	1.67	1,265.488		
400.00	399.98	316.80	316.76	1.33	0.91	-26.28	-2,115.94	-73.35	2,116.34	2,114.10	2.24	944.632		
500.00	499.84	366.00	365.91	1.67	1.08	-26.36	-2,117.61	-72.03	2,115.18	2,112.43	2.75	769.682		
600.00	599.45	458.00	457.72	2.03	1.41	-26.58	-2,122.30	-68.39	2,112.36	2,108.94	3.42	617.251		
700.00	698.70	512.08	511.59	2.41	1.61	-26.78	-2,126.00	-65.47	2,108.03	2,104.05	3.97	530.387		
800.00	797.47	580.35	579.46	2.81	1.87	-27.10	-2,131.81	-60.84	2,102.37	2,097.78	4.59	457.986		
900.00	895.62	644.00	642.61	3.25	2.12	-27.45	-2,137.95	-55.88	2,094.99	2,089.78	5.20	402.628		
1,000.00	993.06	708.68	706.57	3.72	2.38	-27.89	-2,145.40	-49.78	2,086.41	2,080.57	5.84	357.236		
1,100.00	1,089.64	777.90	774.77	4.23	2.68	-28.43	-2,154.44	-42.13	2,076.48	2,069.97	6.52	318.651		
1,200.00	1,185.27	849.10	844.66	4.78	3.00	-29.07	-2,164.49	-32.97	2,064.90	2,057.68	7.23	285.784		
1,300.00	1,279.82	925.00	918.81	5.38	3.36	-29.84	-2,176.30	-21.92	2,052.04	2,044.06	7.98	257.015		
1,400.00	1,373.17	990.72	982.67	6.03	3.69	-30.62	-2,187.18	-10.87	2,037.68	2,028.94	8.74	233.185		
1,500.00	1,465.21	1,075.40	1,064.41	6.73	4.14	-31.73	-2,201.35	6.09	2,021.51	2,011.89	9.62	210.138		
1,600.00	1,555.84	1,151.40	1,137.24	7.48	4.57	-32.89	-2,214.05	23.72	2,003.51	1,993.00	10.52	190.530		
1,700.00	1,644.94	1,219.26	1,201.78	8.28	4.97	-34.06	-2,225.79	41.10	1,984.43	1,973.01	11.42	173.810		
1,800.00	1,732.39	1,289.18	1,267.68	9.13	5.41	-35.38	-2,238.11	60.95	1,964.39	1,952.00	12.39	158.544		
1,900.00	1,818.11	1,359.80	1,333.62	10.04	5.88	-36.83	-2,250.61	82.89	1,943.53	1,930.09	13.43	144.665		
2,000.00	1,901.97	1,425.47	1,394.55	11.00	6.34	-38.30	-2,262.33	104.40	1,922.03	1,907.53	14.51	132.505		
2,100.00	1,983.88	1,487.08	1,451.57	12.01	6.78	-39.76	-2,273.74	124.77	1,900.31	1,884.70	15.60	121.778		
2,200.00	2,063.74	1,565.11	1,523.72	13.07	7.36	-41.63	-2,288.38	150.65	1,878.20	1,861.32	16.88	111.242		
2,300.00	2,141.45	1,647.00	1,599.53	14.19	7.96	-43.67	-2,303.54	177.62	1,855.52	1,837.27	18.25	101.652		
2,400.00	2,216.92	1,721.84	1,669.07	15.35	8.51	-45.64	-2,317.29	201.62	1,832.39	1,812.76	19.63	93.328		
2,500.00	2,290.05	1,788.24	1,730.87	16.57	9.00	-47.50	-2,329.61	222.56	1,809.37	1,788.35	21.02	86.096		
2,600.00	2,360.76	1,846.40	1,784.98	17.83	9.44	-49.22	-2,340.70	240.77	1,786.98	1,764.58	22.40	79.771		
2,700.00	2,428.95	1,920.81	1,854.21	19.14	9.99	-51.40	-2,354.98	264.03	1,765.33	1,741.34	23.99	73.591		
2,800.00	2,494.55	2,011.45	1,938.74	20.50	10.66	-54.09	-2,371.32	292.34	1,744.01	1,718.23	25.79	67.632		
2,900.00	2,557.48	2,088.81	2,011.26	21.89	11.21	-56.52	-2,384.17	316.00	1,723.01	1,695.45	27.56	62.521		
3,000.00	2,618.26	2,143.00	2,062.16	23.33	11.60	-58.14	-2,392.99	332.39	1,703.89	1,674.68	29.21	58.339		
3,100.00	2,678.87	2,194.91	2,110.86	24.77	11.98	-59.59	-2,401.52	348.17	1,688.57	1,657.71	30.87	54.701		
3,200.00	2,739.49	2,241.86	2,154.80	26.22	12.32	-60.91	-2,409.43	362.71	1,677.55	1,645.04	32.51	51.609		
3,300.00	2,800.10	2,303.36	2,212.35	27.68	12.77	-62.64	-2,419.97	381.66	1,670.58	1,636.29	34.29	48.724		
3,400.00	2,860.71	2,359.10	2,264.57	29.14	13.18	-64.21	-2,429.65	398.58	1,667.51	1,631.49	36.02	46.295		
3,423.13	2,874.73	2,370.75	2,275.48	29.48	13.26	-64.53	-2,431.68	402.13	1,667.39	1,630.98	36.41	45.798 CC		
3,500.00	2,921.32	2,409.33	2,311.57	30.60	13.55	-65.62	-2,438.44	414.00	1,668.65	1,630.96	37.69	44.269 ES		
3,600.00	2,981.94	2,460.76	2,359.60	32.07	13.93	-67.07	-2,447.44	430.02	1,674.05	1,634.68	39.37	42.524		
3,700.00	3,042.55	2,512.15	2,407.52	33.54	14.31	-68.51	-2,456.35	446.30	1,683.62	1,642.60	41.02	41.043		
3,800.00	3,103.16	2,564.63	2,456.40	35.01	14.71	-69.99	-2,465.49	463.07	1,697.31	1,654.65	42.66	39.787		
3,900.00	3,163.77	2,619.42	2,507.40	36.48	15.12	-71.51	-2,475.28	480.56	1,714.97	1,670.67	44.30	38.716		
4,000.00	3,224.39	2,687.49	2,570.83	37.96	15.64	-73.39	-2,487.41	502.08	1,736.17	1,690.11	46.06	37.695		
4,100.00	3,285.00	2,750.92	2,630.05	39.44	16.11	-75.12	-2,498.59	521.84	1,760.65	1,712.92	47.73	36.885		
4,200.00	3,345.61	2,810.02	2,685.29	40.92	16.55	-76.71	-2,509.16	540.02	1,788.40	1,739.08	49.32	36.260		
4,300.00	3,406.22	2,858.17	2,730.21	42.40	16.92	-77.99	-2,518.06	554.86	1,819.56	1,768.83	50.73	35.865		
4,400.00	3,466.84	2,914.78	2,782.93	43.88	17.34	-79.47	-2,528.88	572.44	1,854.05	1,801.84	52.21	35.509		
4,500.00	3,527.45	2,991.99	2,855.02	45.36	17.92	-81.45	-2,543.27	596.05	1,891.05	1,837.13	53.93	35.067		
4,600.00	3,588.06	3,040.64	2,900.51	46.84	18.29	-82.69	-2,551.98	610.93	1,930.66	1,875.44	55.22	34.964		
4,700.00	3,648.67	3,090.76	2,947.34	48.33	18.66	-83.95	-2,560.68	626.52	1,973.09	1,916.61	56.48	34.933		
4,800.00	3,709.29	3,143.65	2,996.74	49.81	19.06	-85.26	-2,569.69	643.14	2,018.13	1,960.39	57.74	34.953		
4,900.00	3,769.90	3,200.15	3,049.49	51.30	19.48	-86.64	-2,579.20	661.00	2,065.56	2,006.55	59.00	35.007		
5,000.00	3,830.51	3,262.73	3,107.94	52.78	19.95	-88.14	-2,589.90	680.64	2,115.03	2,054.71	60.32	35.062		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 99-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	3,891.12	3,352.26	3,191.81	54.27	20.61	-90.22	-2,605.12	708.00	2,166.02	2,104.03	61.99	34.940		
5,200.00	3,951.74	3,468.13	3,301.09	55.76	21.43	-92.81	-2,624.79	741.14	2,217.69	2,153.70	63.99	34.658 SF		
5,300.00	4,012.35	3,505.60	3,336.43	57.25	21.70	-93.61	-2,631.44	751.64	2,270.68	2,205.80	64.87	35.001		
5,400.00	4,072.96	3,552.19	3,380.27	58.73	22.03	-94.60	-2,639.99	764.90	2,325.59	2,259.74	65.85	35.315		
5,500.00	4,133.58	3,613.24	3,437.67	60.22	22.47	-95.85	-2,651.27	782.38	2,382.08	2,315.07	67.02	35.544		
5,600.00	4,194.19	3,671.14	3,492.14	61.71	22.88	-97.02	-2,661.79	798.94	2,439.91	2,371.80	68.11	35.823		
5,700.00	4,254.80	3,725.92	3,543.71	63.20	23.27	-98.10	-2,671.54	814.67	2,499.09	2,429.96	69.13	36.151		
5,800.00	4,315.41	3,787.19	3,601.42	64.69	23.71	-99.28	-2,682.12	832.27	2,559.50	2,489.29	70.22	36.451		
5,900.00	4,376.03	3,830.00	3,641.83	66.18	24.01	-100.10	-2,689.26	844.49	2,621.02	2,550.01	71.01	36.911		
6,000.00	4,436.64	3,879.15	3,688.15	67.67	24.37	-101.01	-2,697.43	858.74	2,683.83	2,611.95	71.87	37.341		
6,100.00	4,497.25	3,923.00	3,729.33	69.17	24.68	-101.81	-2,704.84	871.87	2,748.12	2,675.47	72.64	37.830		
6,200.00	4,557.86	3,964.15	3,767.87	70.66	24.99	-102.54	-2,711.95	884.43	2,813.62	2,740.26	73.36	38.352		
6,300.00	4,618.48	4,017.00	3,817.26	72.15	25.38	-103.45	-2,721.33	900.72	2,880.11	2,805.86	74.26	38.786		
6,400.00	4,679.09	4,065.67	3,862.65	73.64	25.75	-104.26	-2,730.19	915.86	2,947.51	2,872.42	75.08	39.257		
6,500.00	4,739.70	4,111.00	3,904.87	75.13	26.10	-104.99	-2,738.60	930.09	3,015.75	2,939.90	75.85	39.762		
6,600.00	4,800.31	4,167.25	3,957.16	76.62	26.53	-105.88	-2,749.20	947.89	3,084.76	3,007.97	76.79	40.172		
6,700.00	4,860.93	4,252.18	4,036.12	78.12	27.18	-107.17	-2,765.25	974.76	3,154.43	3,076.23	78.20	40.340		
6,800.00	4,921.54	4,346.77	4,124.75	79.61	27.88	-108.57	-2,782.23	1,003.09	3,223.66	3,143.94	79.73	40.433		
6,900.00	4,982.15	4,409.20	4,183.24	81.10	28.34	-109.45	-2,793.78	1,021.58	3,293.25	3,212.52	80.74	40.789		
7,000.00	5,042.76	4,462.11	4,232.87	82.60	28.73	-110.18	-2,803.38	1,037.24	3,363.40	3,281.81	81.59	41.225		
7,100.00	5,103.38	4,516.74	4,284.17	84.09	29.13	-110.93	-2,812.95	1,053.39	3,434.12	3,351.66	82.45	41.650		
7,200.00	5,163.99	4,572.99	4,337.04	85.58	29.54	-111.67	-2,822.60	1,070.01	3,505.34	3,422.00	83.33	42.064		
7,300.00	5,224.60	4,622.95	4,384.02	87.07	29.90	-112.33	-2,831.00	1,084.77	3,577.07	3,492.97	84.11	42.531		
7,400.00	5,285.21	4,673.00	4,431.10	88.57	30.26	-112.97	-2,839.22	1,099.63	3,649.36	3,564.49	84.87	42.998		
7,500.00	5,345.83	4,709.81	4,465.69	90.06	30.53	-113.43	-2,845.23	1,110.68	3,722.27	3,636.84	85.43	43.572		
7,600.00	5,406.44	4,747.37	4,500.90	91.56	30.80	-113.89	-2,851.46	1,122.19	3,795.84	3,709.85	85.99	44.142		
7,700.00	5,467.05	4,808.35	4,557.96	93.05	31.25	-114.61	-2,861.67	1,141.13	3,869.97	3,783.03	86.94	44.514		
7,800.00	5,527.66	4,915.82	4,658.92	94.54	32.03	-115.85	-2,879.23	1,173.50	3,944.02	3,855.40	88.62	44.506		
7,900.00	5,588.28	4,995.72	4,734.37	96.04	32.60	-116.74	-2,891.98	1,196.51	4,017.66	3,927.83	89.83	44.723		
8,000.00	5,648.89	5,048.00	4,783.73	97.53	32.97	-117.31	-2,900.43	1,211.53	4,091.57	4,000.95	90.62	45.153		
8,100.00	5,709.50	5,083.65	4,817.31	99.03	33.23	-117.68	-2,906.30	1,221.94	4,165.96	4,074.82	91.14	45.708		
8,200.00	5,770.11	5,115.86	4,847.56	100.52	33.46	-118.01	-2,911.73	1,231.60	4,240.97	4,149.36	91.62	46.291		
8,300.00	5,830.73	5,168.57	4,896.87	102.02	33.85	-118.54	-2,920.83	1,247.82	4,316.54	4,224.12	92.43	46.703		
8,400.00	5,891.34	5,880.66	5,585.69	103.51	37.80	-125.46	-3,013.40	1,392.83	4,385.29	4,283.88	101.41	43.243		
8,500.00	5,951.95	5,998.79	5,703.25	105.01	38.20	-126.65	-3,019.22	1,402.81	4,452.08	4,349.63	102.45	43.458		
8,600.00	6,012.57	6,227.31	5,931.47	106.50	38.78	-128.98	-3,022.91	1,412.46	4,518.00	4,414.06	103.94	43.466		
8,700.00	6,073.18	6,338.61	6,042.77	108.00	39.01	-130.11	-3,023.08	1,413.04	4,582.49	4,477.84	104.65	43.789		
8,800.00	6,133.79	6,404.12	6,108.27	109.49	39.13	-130.75	-3,023.27	1,413.14	4,647.29	4,542.16	105.13	44.206		
8,900.00	6,194.40	6,473.09	6,177.24	110.98	39.27	-131.41	-3,023.50	1,413.13	4,712.44	4,606.83	105.61	44.619		
9,000.00	6,255.02	6,542.84	6,247.00	112.48	39.40	-132.07	-3,023.78	1,413.00	4,777.92	4,671.82	106.09	45.035		
9,100.00	6,315.63	6,629.94	6,334.10	113.98	39.56	-132.88	-3,024.22	1,412.54	4,843.58	4,736.94	106.64	45.420		
9,200.00	6,376.24	6,685.40	6,389.55	115.47	39.66	-133.38	-3,024.48	1,412.08	4,909.49	4,802.46	107.03	45.868		
9,300.00	6,436.85	6,737.88	6,442.03	116.97	39.75	-133.85	-3,024.61	1,411.69	4,975.90	4,868.50	107.41	46.327		
9,400.00	6,497.47	6,824.17	6,528.32	118.46	39.91	-134.61	-3,024.86	1,410.91	5,042.58	4,934.65	107.93	46.722		
9,500.00	6,558.08	6,886.68	6,590.82	119.96	40.02	-135.14	-3,025.14	1,410.20	5,109.44	5,001.10	108.34	47.161		
9,600.00	6,618.69	6,943.78	6,647.91	121.45	40.12	-135.63	-3,025.40	1,409.56	5,176.65	5,067.93	108.72	47.613		
9,700.00	6,679.30	6,995.31	6,699.44	122.95	40.22	-136.05	-3,025.60	1,409.06	5,244.29	5,135.21	109.08	48.079		
9,800.00	6,739.92	7,048.40	6,752.53	124.44	40.32	-136.49	-3,025.75	1,408.62	5,312.35	5,202.92	109.43	48.545		
9,900.00	6,799.82	7,101.58	6,805.71	125.96	40.41	-143.59	-3,025.69	1,408.14	5,382.43	5,272.65	109.79	49.027		
10,000.00	6,854.86	7,225.66	6,929.76	127.56	40.64	-157.99	-3,025.33	1,405.94	5,461.06	5,350.59	110.47	49.436		
10,100.00	6,902.95	7,275.90	6,980.00	129.22	40.73	-175.14	-3,025.54	1,404.95	5,546.99	5,436.20	110.79	50.066		
10,200.00	6,942.63	7,317.08	7,021.17	130.85	40.81	162.27	-3,026.01	1,404.31	5,637.79	5,526.75	111.04	50.773		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 99-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,300.00	6,972.70	7,348.00	7,052.08	132.42	40.87	135.30	-3,026.53	1,403.94	5,730.73	5,619.56	111.18	51.546	
10,400.00	6,992.24	7,368.27	7,072.35	133.85	40.91	111.27	-3,026.94	1,403.75	5,823.13	5,711.93	111.20	52.366	
10,500.00	7,000.67	7,377.34	7,081.42	135.10	40.93	94.91	-3,027.15	1,403.68	5,912.37	5,801.24	111.12	53.206	
10,600.00	7,001.00	7,378.37	7,082.44	136.21	40.93	92.05	-3,027.18	1,403.67	5,998.07	5,887.09	110.99	54.043	
10,700.00	7,001.00	7,379.05	7,083.12	137.35	40.94	92.06	-3,027.19	1,403.67	6,084.03	5,973.17	110.86	54.881	
10,800.00	7,001.00	7,379.72	7,083.79	138.52	40.94	92.08	-3,027.21	1,403.66	6,170.42	6,059.68	110.74	55.720	
10,900.00	7,001.00	7,380.38	7,084.45	139.72	40.94	92.09	-3,027.22	1,403.66	6,257.20	6,146.58	110.63	56.560	
11,000.00	7,001.00	7,381.02	7,085.10	140.95	40.94	92.10	-3,027.24	1,403.65	6,344.38	6,233.86	110.53	57.402	
11,100.00	7,001.00	7,381.66	7,085.73	142.22	40.94	92.11	-3,027.25	1,403.65	6,431.93	6,321.50	110.43	58.245	
11,200.00	7,001.00	7,382.28	7,086.35	143.52	40.94	92.12	-3,027.27	1,403.64	6,519.84	6,409.50	110.34	59.089	
11,300.00	7,001.00	7,382.89	7,086.96	144.85	40.94	92.13	-3,027.28	1,403.64	6,608.09	6,497.84	110.26	59.934	
11,400.00	7,001.00	7,383.49	7,087.56	146.21	40.95	92.15	-3,027.30	1,403.64	6,696.68	6,586.50	110.18	60.780	
11,500.00	7,001.00	7,384.08	7,088.15	147.61	40.95	92.16	-3,027.31	1,403.63	6,785.58	6,675.47	110.11	61.627	
11,600.00	7,001.00	7,390.00	7,094.07	149.03	40.96	92.27	-3,027.46	1,403.59	6,874.78	6,764.71	110.07	62.459	
11,700.00	7,001.00	7,390.00	7,094.07	150.49	40.96	92.27	-3,027.46	1,403.59	6,964.28	6,854.28	110.01	63.309	
11,800.00	7,001.00	7,390.00	7,094.07	151.98	40.96	92.27	-3,027.46	1,403.59	7,054.06	6,944.11	109.95	64.159	
11,900.00	7,001.00	7,390.00	7,094.07	153.50	40.96	92.27	-3,027.46	1,403.59	7,144.11	7,034.22	109.89	65.011	
12,000.00	7,001.00	7,390.00	7,094.07	155.05	40.96	92.27	-3,027.46	1,403.59	7,234.42	7,124.58	109.84	65.863	
12,100.00	7,001.00	7,390.00	7,094.07	156.62	40.96	92.27	-3,027.46	1,403.59	7,324.99	7,215.19	109.79	66.715	
12,200.00	7,001.00	7,390.00	7,094.07	158.23	40.96	92.27	-3,027.46	1,403.59	7,415.79	7,306.04	109.75	67.568	
12,300.00	7,001.00	7,390.00	7,094.07	159.87	40.96	92.27	-3,027.46	1,403.59	7,506.83	7,397.12	109.71	68.422	
12,400.00	7,001.00	7,390.00	7,094.07	161.53	40.96	92.27	-3,027.46	1,403.59	7,598.10	7,488.42	109.68	69.276	
12,500.00	7,001.00	7,390.00	7,094.07	163.22	40.96	92.27	-3,027.46	1,403.59	7,689.58	7,579.94	109.65	70.130	
12,600.00	7,001.00	7,390.00	7,094.07	164.94	40.96	92.27	-3,027.46	1,403.59	7,781.28	7,671.66	109.62	70.984	
12,700.00	7,001.00	7,390.00	7,094.07	166.69	40.96	92.27	-3,027.46	1,403.59	7,873.17	7,763.58	109.59	71.839	
12,800.00	7,001.00	7,390.00	7,094.07	168.46	40.96	92.27	-3,027.46	1,403.59	7,965.26	7,855.69	109.57	72.694	
12,900.00	7,001.00	7,390.00	7,094.07	170.26	40.96	92.27	-3,027.46	1,403.59	8,057.54	7,947.99	109.55	73.549	
13,000.00	7,001.00	7,390.00	7,094.07	172.08	40.96	92.27	-3,027.46	1,403.59	8,150.00	8,040.46	109.54	74.405	
13,100.00	7,001.00	7,390.00	7,094.07	173.92	40.96	92.27	-3,027.46	1,403.59	8,242.64	8,133.11	109.52	75.260	
13,200.00	7,001.00	7,393.31	7,097.38	175.79	40.97	92.33	-3,027.55	1,403.57	8,335.44	8,225.91	109.53	76.103	
13,300.00	7,001.00	7,393.87	7,097.94	177.68	40.97	92.34	-3,027.56	1,403.57	8,428.41	8,318.89	109.52	76.957	
13,400.00	7,001.00	7,394.42	7,098.49	179.60	40.97	92.35	-3,027.57	1,403.57	8,521.54	8,412.03	109.52	77.810	
13,500.00	7,001.00	7,394.97	7,099.04	181.53	40.97	92.36	-3,027.59	1,403.56	8,614.83	8,505.31	109.52	78.663	
13,600.00	7,001.00	7,395.52	7,099.59	183.49	40.97	92.37	-3,027.60	1,403.56	8,708.26	8,598.75	109.51	79.517	
13,700.00	7,001.00	7,396.06	7,100.13	185.47	40.97	92.38	-3,027.62	1,403.56	8,801.84	8,692.32	109.52	80.370	
13,800.00	7,001.00	7,396.61	7,100.67	187.47	40.97	92.39	-3,027.63	1,403.55	8,895.56	8,786.04	109.52	81.223	
13,900.00	7,001.00	7,397.15	7,101.21	189.49	40.97	92.40	-3,027.64	1,403.55	8,989.41	8,879.89	109.52	82.076	
14,000.00	7,001.00	7,397.68	7,101.75	191.53	40.98	92.41	-3,027.66	1,403.55	9,083.39	8,973.86	109.53	82.929	
14,100.00	7,001.00	7,398.22	7,102.28	193.58	40.98	92.42	-3,027.67	1,403.54	9,177.51	9,067.97	109.54	83.782	
14,200.00	7,001.00	7,398.75	7,102.82	195.66	40.98	92.43	-3,027.69	1,403.54	9,271.74	9,162.19	109.55	84.635	
14,300.00	7,001.00	7,399.28	7,103.34	197.75	40.98	92.44	-3,027.70	1,403.54	9,366.09	9,256.53	109.56	85.487	
14,400.00	7,001.00	7,399.81	7,103.87	199.85	40.98	92.45	-3,027.71	1,403.54	9,460.56	9,350.99	109.57	86.340	
14,500.00	7,001.00	7,400.33	7,104.40	201.98	40.98	92.46	-3,027.73	1,403.53	9,555.15	9,445.56	109.59	87.192	
14,600.00	7,001.00	7,400.85	7,104.92	204.12	40.98	92.47	-3,027.74	1,403.53	9,649.84	9,540.23	109.60	88.043	
14,700.00	7,001.00	7,401.37	7,105.44	206.27	40.98	92.48	-3,027.75	1,403.53	9,744.63	9,635.01	109.62	88.895	
14,800.00	7,001.00	7,401.89	7,105.95	208.45	40.98	92.49	-3,027.77	1,403.52	9,839.53	9,729.90	109.64	89.746	
14,900.00	7,001.00	7,402.40	7,106.47	210.63	40.99	92.50	-3,027.78	1,403.52	9,934.54	9,824.88	109.66	90.597	
15,000.00	7,001.00	7,402.91	7,106.98	212.83	40.99	92.51	-3,027.79	1,403.52	10,029.63	9,919.96	109.68	91.448	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 98-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	88.18	88.18	0.27	0.14	-177.20	-2,116.61	-103.63	2,119.22	2,118.81	0.40	5,270.786		
200.00	200.00	186.00	185.99	0.63	0.46	-177.16	-2,115.84	-104.93	2,118.49	2,117.40	1.09	1,941.966		
300.00	300.00	277.00	276.98	0.99	0.79	-177.14	-2,115.33	-105.63	2,117.98	2,116.21	1.77	1,194.437		
400.00	399.98	367.00	366.98	1.33	1.09	-25.44	-2,115.51	-105.30	2,116.56	2,114.13	2.42	872.863		
500.00	499.84	414.89	414.86	1.67	1.26	-25.51	-2,116.37	-104.84	2,113.41	2,110.48	2.93	721.794		
600.00	599.45	458.00	457.94	2.03	1.41	-25.60	-2,117.89	-104.31	2,109.30	2,105.87	3.42	616.310		
700.00	698.70	550.00	549.77	2.41	1.73	-25.84	-2,123.04	-102.29	2,103.79	2,099.69	4.10	513.006		
800.00	797.47	616.00	615.56	2.81	1.96	-26.10	-2,127.82	-100.17	2,096.58	2,091.88	4.70	446.110		
900.00	895.62	689.17	688.42	3.25	2.23	-26.44	-2,133.66	-97.03	2,087.23	2,081.89	5.34	390.984		
1,000.00	993.06	755.37	754.26	3.72	2.48	-26.82	-2,139.90	-93.94	2,076.26	2,070.30	5.97	348.038		
1,100.00	1,089.64	832.00	830.26	4.23	2.78	-27.32	-2,148.54	-89.38	2,064.01	2,057.36	6.65	310.382		
1,200.00	1,185.27	882.82	880.53	4.78	2.99	-27.74	-2,155.09	-85.91	2,050.31	2,043.05	7.25	282.607		
1,300.00	1,279.82	948.26	945.16	5.38	3.26	-28.30	-2,164.41	-81.39	2,035.31	2,027.37	7.94	256.422		
1,400.00	1,373.17	1,019.00	1,014.80	6.03	3.57	-28.96	-2,175.58	-76.07	2,019.00	2,010.34	8.66	233.008		
1,500.00	1,465.21	1,082.21	1,076.83	6.73	3.85	-29.64	-2,186.41	-70.61	2,001.33	1,991.93	9.39	213.041		
1,600.00	1,555.84	1,148.42	1,141.59	7.48	4.16	-30.43	-2,198.51	-63.96	1,982.30	1,972.13	10.16	195.070		
1,700.00	1,644.94	1,207.00	1,198.68	8.28	4.44	-31.22	-2,209.98	-57.56	1,962.16	1,951.22	10.93	179.447		
1,800.00	1,732.39	1,266.98	1,256.86	9.13	4.74	-32.09	-2,222.66	-50.33	1,941.21	1,929.45	11.75	165.177		
1,900.00	1,818.11	1,321.74	1,309.66	10.04	5.03	-32.99	-2,235.16	-42.97	1,919.72	1,907.14	12.59	152.526		
2,000.00	1,901.97	1,375.69	1,361.37	11.00	5.32	-33.94	-2,248.36	-35.13	1,897.82	1,884.36	13.46	140.992		
2,100.00	1,983.88	1,431.83	1,414.87	12.01	5.65	-34.99	-2,262.98	-26.41	1,875.59	1,861.20	14.40	130.294		
2,200.00	2,063.74	1,488.00	1,468.10	13.07	5.98	-36.10	-2,278.37	-17.19	1,853.02	1,837.64	15.38	120.475		
2,300.00	2,141.45	1,545.12	1,521.92	14.19	6.33	-37.31	-2,294.76	-7.34	1,830.22	1,813.79	16.43	111.380		
2,400.00	2,216.92	1,602.07	1,575.28	15.35	6.70	-38.58	-2,311.83	2.92	1,807.35	1,789.81	17.54	103.024		
2,500.00	2,290.05	1,660.51	1,629.75	16.57	7.09	-39.94	-2,329.98	13.82	1,784.43	1,765.70	18.73	95.270		
2,600.00	2,360.76	1,717.55	1,682.64	17.83	7.48	-41.35	-2,348.31	24.74	1,761.63	1,741.65	19.98	88.168		
2,700.00	2,428.95	1,769.00	1,730.14	19.14	7.84	-42.70	-2,365.42	34.64	1,739.16	1,717.90	21.26	81.792		
2,800.00	2,494.55	1,836.78	1,792.48	20.50	8.33	-44.44	-2,388.65	47.61	1,716.98	1,694.23	22.75	75.479		
2,900.00	2,557.48	1,906.96	1,856.86	21.89	8.85	-46.31	-2,413.27	60.82	1,695.08	1,670.74	24.34	69.634		
3,000.00	2,618.26	1,979.50	1,923.42	23.33	9.39	-48.09	-2,438.85	74.14	1,673.71	1,647.67	26.05	64.258		
3,100.00	2,678.87	2,050.00	1,988.03	24.77	9.92	-49.74	-2,463.79	87.33	1,654.91	1,627.11	27.80	59.522		
3,200.00	2,739.49	2,135.36	2,066.35	26.22	10.57	-51.76	-2,493.60	103.53	1,638.53	1,608.78	29.76	55.062		
3,300.00	2,800.10	2,199.45	2,125.23	27.68	11.05	-53.30	-2,515.80	115.69	1,624.67	1,593.08	31.58	51.440		
3,400.00	2,860.71	2,273.72	2,193.31	29.14	11.62	-55.10	-2,541.94	129.79	1,613.97	1,580.41	33.56	48.099		
3,500.00	2,921.32	2,376.26	2,287.71	30.60	12.40	-57.59	-2,577.26	148.63	1,605.37	1,569.51	35.86	44.770		
3,600.00	2,981.94	2,469.08	2,373.86	32.07	13.08	-59.87	-2,607.66	165.03	1,598.17	1,560.05	38.12	41.924		
3,700.00	3,042.55	2,545.85	2,445.28	33.54	13.64	-61.78	-2,632.34	178.61	1,593.61	1,553.34	40.27	39.577		
3,800.00	3,103.16	2,623.71	2,517.80	35.01	14.21	-63.71	-2,657.34	191.99	1,591.76	1,549.31	42.45	37.495		
3,814.00	3,111.65	2,633.48	2,526.90	35.22	14.28	-63.95	-2,660.48	193.65	1,591.73	1,548.98	42.75	37.234 CC		
3,900.00	3,163.77	2,693.41	2,582.71	36.48	14.72	-65.44	-2,679.74	203.90	1,592.86	1,548.29	44.57	35.736 ES		
4,000.00	3,224.39	2,751.21	2,636.45	37.96	15.14	-66.87	-2,698.50	213.97	1,597.28	1,550.71	46.56	34.303		
4,100.00	3,285.00	2,808.56	2,689.52	39.44	15.57	-68.27	-2,717.63	224.26	1,605.40	1,556.87	48.53	33.078		
4,200.00	3,345.61	2,877.92	2,753.56	40.92	16.10	-69.96	-2,741.11	236.87	1,616.78	1,566.14	50.64	31.927		
4,300.00	3,406.22	2,975.11	2,843.49	42.40	16.83	-72.31	-2,773.62	254.26	1,630.63	1,577.54	53.09	30.714		
4,400.00	3,466.84	3,067.63	2,929.62	43.88	17.51	-74.53	-2,803.58	269.89	1,646.09	1,590.62	55.46	29.678		
4,500.00	3,527.45	3,131.64	2,989.29	45.36	17.98	-76.04	-2,824.19	280.46	1,663.93	1,606.49	57.44	28.968		
4,600.00	3,588.06	3,193.04	3,046.40	46.84	18.43	-77.48	-2,844.07	291.06	1,684.94	1,625.60	59.34	28.395		
4,700.00	3,648.67	3,259.52	3,108.14	48.33	18.93	-79.02	-2,865.75	302.79	1,708.79	1,647.53	61.26	27.893		
4,800.00	3,709.29	3,338.10	3,181.13	49.81	19.51	-80.81	-2,891.29	316.73	1,735.08	1,671.77	63.31	27.405		
4,900.00	3,769.90	3,410.98	3,249.01	51.30	20.05	-82.45	-2,914.48	329.66	1,763.48	1,698.25	65.23	27.034		
5,000.00	3,830.51	3,487.85	3,320.73	52.78	20.61	-84.17	-2,938.42	343.52	1,794.14	1,726.98	67.16	26.716		
5,100.00	3,891.12	3,571.70	3,399.20	54.27	21.21	-86.01	-2,964.05	358.21	1,826.44	1,757.31	69.13	26.419		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 98-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,951.74	3,642.00	3,465.18	55.76	21.71	-87.53	-2,984.92	370.57	1,860.68	1,789.83	70.85	26.262		
5,300.00	4,012.35	3,701.42	3,520.96	57.25	22.13	-88.79	-3,002.37	381.28	1,897.16	1,824.81	72.35	26.224		
5,400.00	4,072.96	3,814.26	3,627.02	58.73	22.92	-91.14	-3,035.24	401.33	1,935.53	1,860.94	74.59	25.947		
5,500.00	4,133.58	3,890.24	3,698.91	60.22	23.44	-92.68	-3,056.62	413.53	1,974.12	1,897.88	76.24	25.895 SF		
5,600.00	4,194.19	3,951.62	3,756.80	61.71	23.86	-93.89	-3,074.44	423.45	2,014.62	1,937.00	77.62	25.956		
5,700.00	4,254.80	4,017.00	3,818.19	63.20	24.32	-95.12	-3,094.08	434.40	2,057.21	1,978.18	79.02	26.033		
5,800.00	4,315.41	4,061.80	3,860.05	64.69	24.65	-95.94	-3,108.02	442.19	2,101.75	2,021.68	80.07	26.249		
5,900.00	4,376.03	4,111.00	3,905.77	66.18	25.01	-96.81	-3,123.89	451.05	2,148.27	2,067.13	81.14	26.475		
6,000.00	4,436.64	4,173.61	3,963.60	67.67	25.49	-97.88	-3,144.84	462.73	2,196.50	2,114.07	82.43	26.647		
6,100.00	4,497.25	4,235.79	4,020.68	69.17	25.98	-98.88	-3,166.43	474.67	2,246.24	2,162.55	83.70	26.838		
6,200.00	4,557.86	4,307.18	4,085.84	70.66	26.56	-99.98	-3,192.07	488.55	2,297.17	2,212.05	85.12	26.986		
6,300.00	4,618.48	4,408.89	4,178.64	72.15	27.38	-101.48	-3,229.16	507.43	2,348.27	2,261.16	87.11	26.959		
6,400.00	4,679.09	4,464.67	4,229.49	73.64	27.83	-102.27	-3,249.64	517.78	2,400.23	2,312.01	88.22	27.208		
6,500.00	4,739.70	4,528.79	4,287.82	75.13	28.35	-103.15	-3,273.22	530.10	2,453.40	2,363.94	89.47	27.422		
6,600.00	4,800.31	4,609.12	4,361.08	76.62	29.01	-104.23	-3,302.30	545.62	2,507.40	2,416.40	91.00	27.553		
6,700.00	4,860.93	4,705.17	4,449.01	78.12	29.78	-105.48	-3,336.65	563.34	2,561.39	2,468.58	92.81	27.599		
6,800.00	4,921.54	4,785.19	4,521.86	79.61	30.42	-106.46	-3,366.40	577.88	2,615.76	2,521.44	94.32	27.733		
6,900.00	4,982.15	4,876.17	4,604.98	81.10	31.16	-107.54	-3,399.71	593.92	2,670.32	2,574.31	96.01	27.813		
7,000.00	5,042.76	4,958.11	4,680.55	82.60	31.79	-108.52	-3,428.16	607.86	2,725.13	2,627.65	97.49	27.954		
7,100.00	5,103.38	5,022.79	4,740.60	84.09	32.27	-109.29	-3,449.57	618.78	2,780.53	2,681.92	98.60	28.199		
7,200.00	5,163.99	5,086.70	4,800.21	85.58	32.74	-110.05	-3,469.90	629.64	2,836.71	2,737.03	99.68	28.458		
7,300.00	5,224.60	5,154.15	4,863.39	87.07	33.23	-110.85	-3,490.50	641.19	2,893.67	2,792.88	100.78	28.712		
7,400.00	5,285.21	5,251.78	4,955.18	88.57	33.91	-111.99	-3,519.55	657.33	2,950.85	2,848.49	102.36	28.828		
7,500.00	5,345.83	5,430.52	5,125.08	90.06	35.08	-114.06	-3,568.66	682.95	3,007.81	2,902.74	105.07	28.627		
7,600.00	5,406.44	5,510.44	5,202.40	91.56	35.53	-115.03	-3,586.83	691.72	3,063.17	2,957.04	106.13	28.862		
7,700.00	5,467.05	5,610.78	5,300.21	93.05	36.05	-116.26	-3,606.96	701.52	3,118.76	3,011.40	107.36	29.050		
7,800.00	5,527.66	5,703.76	5,391.49	94.54	36.49	-117.41	-3,622.89	709.10	3,174.39	3,066.01	108.39	29.287		
7,900.00	5,588.28	5,807.79	5,494.37	96.04	36.92	-118.74	-3,636.87	715.59	3,230.10	3,120.71	109.39	29.528		
8,000.00	5,648.89	5,899.17	5,585.03	97.53	37.25	-119.90	-3,647.47	719.97	3,285.95	3,175.76	110.19	29.820		
8,100.00	5,709.50	5,989.05	5,674.34	99.03	37.57	-121.02	-3,656.97	723.30	3,342.05	3,231.12	110.93	30.128		
8,200.00	5,770.11	6,057.12	5,742.08	100.52	37.79	-121.87	-3,663.29	725.30	3,398.63	3,287.19	111.44	30.496		
8,300.00	5,830.73	6,132.68	5,817.38	102.02	38.03	-122.81	-3,669.43	727.11	3,455.84	3,343.86	111.98	30.863		
8,400.00	5,891.34	6,202.98	5,887.48	103.51	38.24	-123.67	-3,674.47	728.34	3,513.55	3,401.12	112.43	31.250		
8,500.00	5,951.95	6,266.00	5,950.38	105.01	38.42	-124.43	-3,678.32	729.22	3,571.97	3,459.16	112.81	31.664		
8,600.00	6,012.57	6,314.19	5,998.51	106.50	38.55	-125.02	-3,680.76	729.83	3,631.23	3,518.18	113.05	32.119		
8,700.00	6,073.18	6,359.00	6,043.27	108.00	38.67	-125.56	-3,682.54	730.39	3,691.41	3,578.15	113.26	32.593		
8,800.00	6,133.79	6,409.31	6,093.56	109.49	38.79	-126.17	-3,683.95	731.01	3,752.49	3,639.03	113.46	33.074		
8,900.00	6,194.40	6,456.63	6,140.87	110.98	38.90	-126.74	-3,684.69	731.57	3,814.47	3,700.85	113.62	33.572		
9,000.00	6,255.02	6,541.31	6,225.54	112.48	39.09	-127.74	-3,685.67	732.30	3,876.99	3,763.01	113.98	34.014		
9,100.00	6,315.63	6,611.38	6,295.60	113.98	39.25	-128.56	-3,686.60	732.62	3,939.85	3,825.59	114.25	34.484		
9,200.00	6,376.24	6,677.00	6,361.22	115.47	39.40	-129.30	-3,687.45	732.79	4,003.17	3,888.68	114.49	34.964		
9,300.00	6,436.85	6,741.10	6,425.31	116.97	39.54	-130.02	-3,688.10	732.83	4,067.00	3,952.29	114.72	35.453		
9,400.00	6,497.47	6,819.18	6,503.39	118.46	39.71	-130.87	-3,688.97	732.70	4,131.21	4,016.20	115.02	35.919		
9,500.00	6,558.08	6,885.16	6,569.36	119.96	39.86	-131.57	-3,689.82	732.45	4,195.75	4,080.51	115.24	36.407		
9,600.00	6,618.69	6,956.26	6,640.46	121.45	40.01	-132.31	-3,690.65	732.05	4,260.71	4,145.21	115.50	36.890		
9,700.00	6,679.30	7,034.41	6,718.59	122.95	40.19	-133.10	-3,691.90	731.47	4,325.89	4,210.09	115.80	37.356		
9,800.00	6,739.92	7,105.46	6,789.63	124.44	40.35	-133.80	-3,693.38	730.91	4,391.34	4,275.27	116.07	37.833		
9,900.00	6,799.82	7,167.97	6,852.11	125.96	40.50	-140.66	-3,694.90	730.46	4,458.87	4,342.55	116.32	38.333		
10,000.00	6,854.86	7,221.97	6,906.09	127.56	40.63	-153.64	-3,696.36	730.16	4,536.02	4,419.43	116.59	38.905		
10,100.00	6,902.95	7,264.61	6,948.72	129.22	40.73	-169.57	-3,697.67	730.07	4,621.48	4,504.62	116.86	39.548		
10,200.00	6,942.63	7,301.27	6,985.36	130.85	40.83	168.66	-3,698.91	730.12	4,712.50	4,595.39	117.11	40.239		
10,300.00	6,972.70	7,339.41	7,023.46	132.42	40.93	140.57	-3,700.45	730.30	4,806.24	4,688.84	117.40	40.937		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 98-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,992.24	7,363.80	7,047.82	133.85	41.00	113.71	-3,701.61	730.49	4,899.98	4,782.37	117.61	41.663		
10,500.00	7,000.67	7,373.58	7,057.59	135.10	41.03	95.24	-3,702.12	730.57	4,991.11	4,873.38	117.73	42.396		
10,600.00	7,001.00	7,372.87	7,056.88	136.21	41.03	92.02	-3,702.08	730.57	5,079.08	4,961.29	117.78	43.122		
10,700.00	7,001.00	7,371.76	7,055.77	137.35	41.02	91.99	-3,702.02	730.56	5,167.31	5,049.48	117.84	43.851		
10,800.00	7,001.00	7,370.66	7,054.68	138.52	41.02	91.97	-3,701.97	730.55	5,255.98	5,138.08	117.89	44.582		
10,900.00	7,001.00	7,369.59	7,053.61	139.72	41.02	91.94	-3,701.91	730.54	5,345.04	5,227.09	117.95	45.317		
11,000.00	7,001.00	7,368.55	7,052.57	140.95	41.02	91.92	-3,701.86	730.53	5,434.48	5,316.48	118.00	46.055		
11,100.00	7,001.00	7,367.52	7,051.54	142.22	41.01	91.89	-3,701.80	730.52	5,524.28	5,406.23	118.05	46.795		
11,200.00	7,001.00	7,366.51	7,050.54	143.52	41.01	91.87	-3,701.75	730.51	5,614.43	5,496.32	118.10	47.538		
11,300.00	7,001.00	7,365.53	7,049.55	144.85	41.01	91.84	-3,701.70	730.50	5,704.90	5,586.75	118.15	48.283		
11,400.00	7,001.00	7,364.56	7,048.58	146.21	41.00	91.82	-3,701.65	730.49	5,795.69	5,677.49	118.20	49.031		
11,500.00	7,001.00	7,363.61	7,047.64	147.61	41.00	91.80	-3,701.60	730.48	5,886.78	5,768.52	118.25	49.781		
11,600.00	7,001.00	7,362.68	7,046.71	149.03	41.00	91.78	-3,701.56	730.48	5,978.15	5,859.85	118.30	50.533		
11,700.00	7,001.00	7,361.77	7,045.79	150.49	41.00	91.75	-3,701.51	730.47	6,069.79	5,951.44	118.35	51.287		
11,800.00	7,001.00	7,360.87	7,044.90	151.98	40.99	91.73	-3,701.47	730.46	6,161.70	6,043.30	118.40	52.043		
11,900.00	7,001.00	7,359.99	7,044.02	153.50	40.99	91.71	-3,701.42	730.45	6,253.85	6,135.40	118.44	52.800		
12,000.00	7,001.00	7,359.12	7,043.16	155.05	40.99	91.69	-3,701.38	730.45	6,346.24	6,227.75	118.49	53.560		
12,100.00	7,001.00	7,358.28	7,042.31	156.62	40.99	91.67	-3,701.34	730.44	6,438.85	6,320.32	118.53	54.321		
12,200.00	7,001.00	7,357.44	7,041.48	158.23	40.98	91.65	-3,701.30	730.43	6,531.69	6,413.11	118.58	55.083		
12,300.00	7,001.00	7,356.62	7,040.66	159.87	40.98	91.63	-3,701.26	730.43	6,624.73	6,506.11	118.62	55.847		
12,400.00	7,001.00	7,355.82	7,039.86	161.53	40.98	91.61	-3,701.22	730.42	6,717.97	6,599.31	118.67	56.612		
12,500.00	7,001.00	7,355.03	7,039.07	163.22	40.98	91.59	-3,701.18	730.42	6,811.41	6,692.70	118.71	57.379		
12,600.00	7,001.00	7,354.25	7,038.29	164.94	40.98	91.58	-3,701.14	730.41	6,905.03	6,786.27	118.75	58.146		
12,700.00	7,001.00	7,353.49	7,037.53	166.69	40.97	91.56	-3,701.10	730.40	6,998.82	6,880.02	118.80	58.915		
12,800.00	7,001.00	7,352.74	7,036.78	168.46	40.97	91.54	-3,701.07	730.40	7,092.78	6,973.95	118.84	59.685		
12,900.00	7,001.00	7,352.00	7,036.04	170.26	40.97	91.52	-3,701.03	730.39	7,186.91	7,068.03	118.88	60.456		
13,000.00	7,001.00	7,351.28	7,035.32	172.08	40.97	91.51	-3,701.00	730.39	7,281.19	7,162.27	118.92	61.228		
13,100.00	7,001.00	7,350.57	7,034.61	173.92	40.97	91.49	-3,700.97	730.38	7,375.63	7,256.67	118.96	62.000		
13,200.00	7,001.00	7,349.87	7,033.91	175.79	40.96	91.47	-3,700.93	730.38	7,470.21	7,351.20	119.00	62.774		
13,300.00	7,001.00	7,349.18	7,033.22	177.68	40.96	91.46	-3,700.90	730.37	7,564.92	7,445.88	119.04	63.548		
13,400.00	7,001.00	7,348.50	7,032.54	179.60	40.96	91.44	-3,700.87	730.37	7,659.78	7,540.69	119.08	64.324		
13,500.00	7,001.00	7,347.83	7,031.87	181.53	40.96	91.42	-3,700.84	730.36	7,754.76	7,635.64	119.12	65.099		
13,600.00	7,001.00	7,347.17	7,031.22	183.49	40.96	91.41	-3,700.81	730.36	7,849.86	7,730.70	119.16	65.876		
13,700.00	7,001.00	7,346.53	7,030.57	185.47	40.95	91.39	-3,700.78	730.35	7,945.09	7,825.89	119.20	66.653		
13,800.00	7,001.00	7,345.89	7,029.94	187.47	40.95	91.38	-3,700.75	730.35	8,040.43	7,921.19	119.24	67.431		
13,900.00	7,001.00	7,345.26	7,029.31	189.49	40.95	91.36	-3,700.72	730.34	8,135.89	8,016.61	119.28	68.209		
14,000.00	7,001.00	7,344.65	7,028.70	191.53	40.95	91.35	-3,700.69	730.34	8,231.45	8,112.13	119.32	68.987		
14,100.00	7,001.00	7,344.04	7,028.09	193.58	40.95	91.33	-3,700.66	730.34	8,327.11	8,207.76	119.36	69.767		
14,200.00	7,001.00	7,343.44	7,027.49	195.66	40.95	91.32	-3,700.63	730.33	8,422.88	8,303.48	119.40	70.546		
14,300.00	7,001.00	7,342.85	7,026.90	197.75	40.94	91.30	-3,700.61	730.33	8,518.74	8,399.31	119.43	71.326		
14,400.00	7,001.00	7,342.27	7,026.32	199.85	40.94	91.29	-3,700.58	730.32	8,614.70	8,495.23	119.47	72.106		
14,500.00	7,001.00	7,341.70	7,025.75	201.98	40.94	91.28	-3,700.55	730.32	8,710.75	8,591.24	119.51	72.887		
14,600.00	7,001.00	7,341.14	7,025.19	204.12	40.94	91.26	-3,700.53	730.32	8,806.89	8,687.34	119.55	73.668		
14,700.00	7,001.00	7,340.58	7,024.64	206.27	40.94	91.25	-3,700.50	730.31	8,903.11	8,783.52	119.59	74.449		
14,800.00	7,001.00	7,340.04	7,024.09	208.45	40.94	91.24	-3,700.48	730.31	8,999.41	8,879.79	119.62	75.230		
14,900.00	7,001.00	7,339.50	7,023.55	210.63	40.93	91.23	-3,700.45	730.31	9,095.80	8,976.13	119.66	76.012		
15,000.00	7,001.00	7,338.97	7,023.02	212.83	40.93	91.21	-3,700.43	730.30	9,192.26	9,072.56	119.70	76.794		
15,100.00	7,001.00	7,338.44	7,022.50	215.04	40.93	91.20	-3,700.41	730.30	9,288.79	9,169.05	119.74	77.575		
15,200.00	7,001.00	7,337.93	7,021.98	217.27	40.93	91.19	-3,700.38	730.30	9,385.40	9,265.62	119.78	78.357		
15,300.00	7,001.00	7,337.42	7,021.47	219.51	40.93	91.18	-3,700.36	730.29	9,482.08	9,362.26	119.81	79.140		
15,400.00	7,001.00	7,336.92	7,020.97	221.76	40.93	91.16	-3,700.34	730.29	9,578.83	9,458.97	119.85	79.922		
15,500.00	7,001.00	7,336.42	7,020.48	224.02	40.93	91.15	-3,700.32	730.29	9,675.64	9,555.75	119.89	80.704		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design		Sec 36-T7N-R67W - EXIST HZ BALDRIDGE 17-1 - Wellbore #1 - Wellbore #1										Offset Site Error:	0.00 usft
Survey Program: 98-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,600.00	7,001.00	7,335.93	7,019.99	226.30	40.92	91.14	-3,700.30	730.28	9,772.52	9,652.59	119.93	81.486	
15,700.00	7,001.00	7,335.45	7,019.51	228.58	40.92	91.13	-3,700.27	730.28	9,869.46	9,749.49	119.97	82.268	
15,800.00	7,001.00	7,334.98	7,019.04	230.88	40.92	91.12	-3,700.25	730.28	9,966.45	9,846.45	120.00	83.051	
15,900.00	7,001.00	7,334.51	7,018.57	233.19	40.92	91.11	-3,700.23	730.27	10,063.51	9,943.47	120.04	83.833	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 128-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
100.00	100.00	89.57	89.56	0.27	0.14	-176.81	-2,116.94	-117.99	2,120.31	2,119.90	0.41	5,166.694	
200.00	200.00	190.12	190.11	0.63	0.42	-176.80	-2,115.78	-118.41	2,119.18	2,118.13	1.05	2,015.500	
300.00	300.00	273.81	273.80	0.99	0.72	-176.78	-2,115.24	-118.94	2,118.59	2,116.88	1.71	1,241.605	
400.00	399.98	365.82	365.81	1.33	1.04	-25.05	-2,115.31	-119.56	2,117.11	2,114.73	2.37	891.569	
500.00	499.84	439.51	439.49	1.67	1.30	-25.12	-2,115.71	-120.00	2,113.00	2,110.03	2.97	710.770	
600.00	599.45	505.15	505.11	2.03	1.53	-25.23	-2,117.23	-120.08	2,107.40	2,103.85	3.55	593.678	
700.00	698.70	580.00	579.91	2.41	1.79	-25.42	-2,119.98	-119.44	2,099.99	2,095.83	4.16	504.215	
800.00	797.47	669.27	669.08	2.81	2.10	-25.71	-2,124.05	-118.20	2,090.31	2,085.47	4.84	431.544	
900.00	895.62	765.95	765.63	3.25	2.44	-26.08	-2,128.77	-117.18	2,077.88	2,072.32	5.56	373.500	
1,000.00	993.06	869.42	868.98	3.72	2.81	-26.55	-2,133.61	-116.12	2,062.20	2,055.88	6.32	326.204	
1,100.00	1,089.64	957.86	957.32	4.23	3.13	-27.04	-2,137.76	-115.23	2,043.53	2,036.49	7.04	290.240	
1,200.00	1,185.27	1,019.00	1,018.37	4.78	3.36	-27.49	-2,141.09	-114.32	2,022.79	2,015.12	7.68	263.477	
1,300.00	1,279.82	1,085.81	1,085.00	5.38	3.60	-28.04	-2,145.81	-112.97	2,000.67	1,992.32	8.35	239.484	
1,400.00	1,373.17	1,145.25	1,144.16	6.03	3.83	-28.61	-2,151.31	-111.60	1,977.64	1,968.62	9.03	219.124	
1,500.00	1,465.21	1,206.00	1,204.55	6.73	4.06	-29.22	-2,157.90	-110.64	1,953.41	1,943.69	9.72	200.868	
1,600.00	1,555.84	1,274.22	1,272.23	7.48	4.33	-29.96	-2,166.33	-109.29	1,927.90	1,917.42	10.48	183.956	
1,700.00	1,644.94	1,334.84	1,332.22	8.28	4.57	-30.73	-2,174.73	-107.21	1,901.20	1,889.96	11.24	169.161	
1,800.00	1,732.39	1,394.00	1,390.59	9.13	4.82	-31.58	-2,184.00	-104.48	1,873.67	1,861.64	12.03	155.797	
1,900.00	1,818.11	1,465.20	1,460.65	10.04	5.12	-32.63	-2,196.10	-100.52	1,845.02	1,832.12	12.90	142.993	
2,000.00	1,901.97	1,535.85	1,530.02	11.00	5.43	-33.79	-2,208.73	-96.05	1,815.00	1,801.17	13.82	131.303	
2,100.00	1,983.88	1,606.80	1,599.52	12.01	5.74	-35.07	-2,222.10	-91.15	1,783.79	1,769.00	14.80	120.565	
2,200.00	2,063.74	1,682.16	1,673.24	13.07	6.09	-36.51	-2,236.90	-86.16	1,751.33	1,735.49	15.84	110.548	
2,300.00	2,141.45	1,769.17	1,758.36	14.19	6.49	-38.22	-2,254.35	-81.50	1,717.29	1,700.29	17.00	101.012	
2,400.00	2,216.92	1,853.55	1,840.93	15.35	6.88	-40.03	-2,271.31	-77.61	1,681.56	1,663.34	18.22	92.316	
2,500.00	2,290.05	1,934.82	1,920.43	16.57	7.27	-41.98	-2,287.55	-73.32	1,644.39	1,624.90	19.50	84.348	
2,600.00	2,360.76	2,021.84	2,005.59	17.83	7.68	-44.24	-2,304.67	-67.99	1,605.98	1,585.09	20.89	76.874	
2,700.00	2,428.95	2,096.61	2,078.81	19.14	8.04	-46.44	-2,319.15	-63.55	1,566.44	1,544.12	22.33	70.163	
2,800.00	2,494.55	2,168.69	2,149.33	20.50	8.39	-48.74	-2,333.48	-59.52	1,526.68	1,502.83	23.85	64.013	
2,900.00	2,557.48	2,247.55	2,226.53	21.89	8.77	-51.40	-2,348.93	-54.94	1,486.56	1,461.03	25.52	58.247	
3,000.00	2,618.26	2,321.74	2,299.19	23.33	9.13	-53.63	-2,363.37	-50.97	1,446.82	1,419.54	27.28	53.030	
3,100.00	2,678.87	2,393.00	2,369.00	24.77	9.47	-55.61	-2,377.27	-47.51	1,409.26	1,380.14	29.12	48.394	
3,200.00	2,739.49	2,455.46	2,430.16	26.22	9.77	-57.39	-2,389.49	-44.26	1,374.41	1,343.41	31.00	44.335	
3,300.00	2,800.10	2,518.00	2,491.29	27.68	10.08	-59.24	-2,402.04	-40.17	1,343.09	1,310.13	32.96	40.746	
3,400.00	2,860.71	2,585.69	2,557.40	29.14	10.42	-61.30	-2,415.84	-35.52	1,315.16	1,280.13	35.03	37.548	
3,500.00	2,921.32	2,652.44	2,622.59	30.60	10.75	-63.35	-2,429.59	-31.39	1,290.33	1,253.19	37.14	34.741	
3,600.00	2,981.94	2,714.77	2,683.34	32.07	11.07	-65.28	-2,442.99	-27.61	1,269.39	1,230.12	39.27	32.326	
3,700.00	3,042.55	2,779.62	2,746.46	33.54	11.40	-67.33	-2,457.31	-23.49	1,252.41	1,210.97	41.44	30.222	
3,800.00	3,103.16	2,871.88	2,836.31	35.01	11.88	-70.27	-2,477.44	-17.74	1,238.95	1,195.11	43.84	28.261	
3,900.00	3,163.77	2,948.31	2,910.94	36.48	12.26	-72.73	-2,493.44	-13.85	1,228.15	1,182.03	46.12	26.630	
4,000.00	3,224.39	3,018.59	2,979.49	37.96	12.62	-75.00	-2,508.64	-10.63	1,221.27	1,172.94	48.32	25.272	
4,100.00	3,285.00	3,092.30	3,051.28	39.44	13.00	-77.36	-2,525.03	-7.47	1,218.34	1,167.83	50.52	24.117	
4,142.27	3,310.62	3,131.51	3,089.49	40.06	13.20	-78.62	-2,533.69	-6.00	1,218.11	1,166.61	51.50	23.654 CC	
4,200.00	3,345.61	3,185.02	3,141.71	40.92	13.48	-80.34	-2,545.26	-4.31	1,218.55	1,165.73	52.82	23.072 ES	
4,300.00	3,406.22	3,250.31	3,205.45	42.40	13.81	-82.44	-2,559.23	-2.17	1,222.31	1,167.51	54.80	22.303	
4,400.00	3,466.84	3,320.76	3,274.25	43.88	14.16	-84.70	-2,574.17	0.47	1,230.11	1,173.37	56.74	21.679	
4,500.00	3,527.45	3,389.86	3,341.79	45.36	14.51	-86.91	-2,588.49	3.34	1,241.80	1,183.24	58.56	21.207	
4,600.00	3,588.06	3,455.72	3,406.24	46.84	14.84	-89.03	-2,601.64	6.59	1,257.51	1,197.29	60.22	20.883	
4,700.00	3,648.67	3,532.65	3,481.64	48.33	15.22	-91.48	-2,616.30	10.65	1,276.88	1,215.03	61.86	20.642	
4,800.00	3,709.29	3,613.12	3,560.66	49.81	15.61	-94.02	-2,631.01	14.61	1,299.43	1,236.02	63.41	20.494	
4,900.00	3,769.90	3,691.31	3,637.52	51.30	15.98	-96.44	-2,645.00	17.92	1,324.85	1,260.05	64.81	20.443 SF	
5,000.00	3,830.51	3,765.41	3,710.40	52.78	16.34	-98.68	-2,658.08	20.80	1,353.25	1,287.20	66.05	20.488	
5,100.00	3,891.12	3,838.70	3,782.31	54.27	16.69	-100.80	-2,672.02	23.34	1,384.52	1,317.33	67.20	20.604	

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 128-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,951.74	3,908.48	3,850.52	55.76	17.05	-102.73	-2,686.53	25.64	1,418.54	1,350.31	68.23	20.789		
5,300.00	4,012.35	3,981.27	3,921.45	57.25	17.42	-104.65	-2,702.73	28.03	1,455.06	1,385.82	69.25	21.012		
5,400.00	4,072.96	4,058.21	3,996.30	58.73	17.83	-106.59	-2,720.33	30.50	1,493.73	1,423.48	70.25	21.263		
5,500.00	4,133.58	4,139.92	4,075.82	60.22	18.25	-108.58	-2,739.03	32.81	1,534.10	1,462.85	71.25	21.532		
5,600.00	4,194.19	4,221.80	4,155.74	61.71	18.67	-110.54	-2,756.68	34.59	1,575.90	1,503.73	72.16	21.837		
5,700.00	4,254.80	4,296.10	4,228.51	63.20	19.04	-112.28	-2,771.66	35.94	1,619.30	1,546.38	72.92	22.207		
5,800.00	4,315.41	4,367.91	4,298.95	64.69	19.39	-113.93	-2,785.54	37.16	1,664.39	1,590.81	73.58	22.619		
5,900.00	4,376.03	4,432.06	4,361.92	66.18	19.70	-115.35	-2,797.73	38.34	1,711.22	1,637.10	74.12	23.087		
6,000.00	4,436.64	4,493.60	4,422.35	67.67	20.00	-116.68	-2,809.29	39.86	1,760.00	1,685.40	74.59	23.594		
6,100.00	4,497.25	4,570.00	4,497.29	69.17	20.37	-118.25	-2,823.98	41.91	1,810.23	1,735.01	75.22	24.066		
6,200.00	4,557.86	4,634.65	4,560.69	70.66	20.69	-119.53	-2,836.57	43.69	1,861.71	1,786.02	75.69	24.595		
6,300.00	4,618.48	4,696.95	4,621.85	72.15	20.99	-120.73	-2,848.25	45.61	1,914.68	1,838.57	76.11	25.155		
6,400.00	4,679.09	4,758.67	4,682.51	73.64	21.29	-121.89	-2,859.41	47.71	1,969.06	1,892.56	76.50	25.738		
6,500.00	4,739.70	4,818.96	4,741.83	75.13	21.58	-122.99	-2,869.96	49.96	2,024.79	1,947.94	76.86	26.345		
6,600.00	4,800.31	4,878.35	4,800.30	76.62	21.86	-124.04	-2,880.07	52.42	2,081.81	2,004.63	77.19	26.971		
6,700.00	4,860.93	4,937.68	4,858.63	78.12	22.14	-125.04	-2,890.55	55.32	2,140.05	2,062.52	77.53	27.603		
6,800.00	4,921.54	5,019.56	4,938.93	79.61	22.54	-126.34	-2,905.93	59.78	2,199.13	2,120.95	78.19	28.127		
6,900.00	4,982.15	5,100.41	5,018.08	81.10	22.95	-127.55	-2,921.86	63.89	2,258.39	2,179.54	78.85	28.641		
7,000.00	5,042.76	5,168.93	5,085.19	82.60	23.29	-128.53	-2,935.30	67.21	2,318.14	2,238.79	79.36	29.212		
7,100.00	5,103.38	5,235.00	5,150.02	84.09	23.61	-129.46	-2,947.62	70.45	2,378.76	2,298.95	79.82	29.803		
7,200.00	5,163.99	5,298.60	5,212.51	85.58	23.92	-130.32	-2,959.05	73.54	2,440.10	2,359.87	80.23	30.412		
7,300.00	5,224.60	5,365.91	5,278.69	87.07	24.24	-131.22	-2,970.88	76.67	2,501.96	2,421.26	80.69	31.006		
7,400.00	5,285.21	5,428.70	5,340.60	88.57	24.53	-132.05	-2,981.06	79.33	2,564.47	2,483.40	81.07	31.631		
7,500.00	5,345.83	5,490.31	5,401.47	90.06	24.80	-132.85	-2,990.20	81.71	2,627.67	2,546.25	81.42	32.274		
7,600.00	5,406.44	5,557.06	5,467.58	91.56	25.09	-133.72	-2,999.20	83.97	2,691.50	2,609.71	81.80	32.905		
7,700.00	5,467.05	5,622.64	5,532.65	93.05	25.36	-134.57	-3,007.10	85.65	2,755.78	2,673.64	82.14	33.552		
7,800.00	5,527.66	5,672.99	5,582.71	94.54	25.56	-135.21	-3,012.48	86.79	2,820.79	2,738.50	82.29	34.277		
7,900.00	5,588.28	5,726.37	5,635.84	96.04	25.77	-135.89	-3,017.52	87.98	2,886.64	2,804.17	82.47	35.002		
8,000.00	5,648.89	5,785.69	5,694.95	97.53	25.99	-136.64	-3,022.40	89.05	2,953.12	2,870.43	82.69	35.712		
8,100.00	5,709.50	5,838.98	5,748.11	99.03	26.18	-137.31	-3,026.06	89.76	3,020.23	2,937.39	82.84	36.461		
8,200.00	5,770.11	5,891.00	5,800.05	100.52	26.36	-137.97	-3,028.81	90.20	3,088.04	3,005.09	82.95	37.227		
8,300.00	5,830.73	5,937.36	5,846.37	102.02	26.51	-138.55	-3,030.69	90.49	3,156.57	3,073.57	83.00	38.030		
8,400.00	5,891.34	5,985.00	5,893.98	103.51	26.66	-139.14	-3,032.20	90.80	3,225.83	3,142.77	83.07	38.835		
8,500.00	5,951.95	6,046.51	5,955.48	105.01	26.86	-139.89	-3,033.71	91.08	3,295.64	3,212.40	83.25	39.589		
8,600.00	6,012.57	6,111.17	6,020.12	106.50	27.05	-140.66	-3,034.98	91.13	3,365.81	3,282.36	83.45	40.331		
8,700.00	6,073.18	6,172.00	6,080.94	108.00	27.24	-141.37	-3,035.97	90.94	3,436.27	3,352.63	83.63	41.088		
8,800.00	6,133.79	6,230.17	6,139.11	109.49	27.41	-142.03	-3,036.69	90.65	3,507.11	3,423.32	83.79	41.857		
8,900.00	6,194.40	6,284.44	6,193.37	110.98	27.56	-142.64	-3,037.11	90.36	3,578.44	3,494.52	83.92	42.643		
9,000.00	6,255.02	6,341.72	6,250.65	112.48	27.73	-143.26	-3,037.47	90.08	3,650.16	3,566.09	84.08	43.414		
9,100.00	6,315.63	6,413.38	6,322.31	113.98	27.93	-144.01	-3,037.92	89.71	3,722.17	3,637.80	84.37	44.116		
9,200.00	6,376.24	6,481.48	6,390.40	115.47	28.13	-144.71	-3,038.46	89.15	3,794.24	3,709.59	84.65	44.825		
9,300.00	6,436.85	6,538.87	6,447.79	116.97	28.29	-145.27	-3,038.86	88.65	3,866.59	3,781.76	84.84	45.576		
9,400.00	6,497.47	6,592.55	6,501.47	118.46	28.45	-145.79	-3,039.17	88.23	3,939.29	3,854.28	85.01	46.338		
9,500.00	6,558.08	6,646.39	6,555.30	119.96	28.60	-146.29	-3,039.47	87.96	4,012.35	3,927.15	85.20	47.095		
9,600.00	6,618.69	6,708.05	6,616.96	121.45	28.78	-146.86	-3,039.69	87.59	4,085.68	4,000.23	85.45	47.811		
9,700.00	6,679.30	6,768.64	6,677.55	122.95	28.95	-147.40	-3,039.78	87.11	4,159.23	4,073.52	85.71	48.527		
9,800.00	6,739.92	6,828.93	6,737.85	124.44	29.12	-147.92	-3,040.04	86.81	4,232.99	4,147.01	85.98	49.233		
9,900.00	6,799.82	6,901.32	6,810.23	125.96	29.34	-156.73	-3,040.55	86.48	4,308.16	4,221.76	86.39	49.866		
10,000.00	6,854.86	6,952.38	6,861.29	127.56	29.49	-174.02	-3,040.96	86.21	4,390.06	4,303.32	86.73	50.615		
10,100.00	6,902.95	6,990.61	6,899.52	129.22	29.61	165.33	-3,041.22	86.07	4,477.20	4,390.15	87.05	51.431		
10,200.00	6,942.63	7,023.51	6,932.41	130.85	29.70	142.12	-3,041.39	86.00	4,566.92	4,479.53	87.39	52.260		
10,300.00	6,972.70	7,052.58	6,961.48	132.42	29.79	120.42	-3,041.52	85.95	4,656.59	4,568.85	87.74	53.071		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 128-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,992.24	7,071.56	6,980.46	133.85	29.85	103.73	-3,041.59	85.91	4,743.72	4,655.67	88.06	53.871		
10,500.00	7,000.67	7,079.87	6,988.78	135.10	29.87	92.39	-3,041.62	85.89	4,826.01	4,737.67	88.34	54.630		
10,600.00	7,001.00	7,080.41	6,989.32	136.21	29.87	90.34	-3,041.62	85.89	4,903.84	4,815.23	88.61	55.340		
10,700.00	7,001.00	7,080.64	6,989.54	137.35	29.87	90.35	-3,041.62	85.89	4,982.24	4,893.35	88.89	56.050		
10,800.00	7,001.00	7,080.86	6,989.77	138.52	29.87	90.35	-3,041.62	85.89	5,061.40	4,972.23	89.17	56.763		
10,900.00	7,001.00	7,081.09	6,989.99	139.72	29.87	90.35	-3,041.62	85.89	5,141.28	5,051.84	89.45	57.479		
11,000.00	7,001.00	7,081.31	6,990.22	140.95	29.88	90.36	-3,041.62	85.89	5,221.86	5,132.13	89.72	58.199		
11,100.00	7,001.00	7,081.54	6,990.44	142.22	29.88	90.36	-3,041.62	85.89	5,303.10	5,213.09	90.00	58.923		
11,200.00	7,001.00	7,081.76	6,990.67	143.52	29.88	90.37	-3,041.62	85.89	5,384.96	5,294.69	90.28	59.650		
11,300.00	7,001.00	7,081.99	6,990.90	144.85	29.88	90.37	-3,041.62	85.89	5,467.44	5,376.89	90.55	60.380		
11,400.00	7,001.00	7,082.22	6,991.12	146.21	29.88	90.38	-3,041.62	85.89	5,550.49	5,459.66	90.82	61.114		
11,500.00	7,001.00	7,082.44	6,991.35	147.61	29.88	90.38	-3,041.62	85.89	5,634.09	5,542.99	91.09	61.852		
11,600.00	7,001.00	7,082.67	6,991.58	149.03	29.88	90.38	-3,041.62	85.89	5,718.21	5,626.85	91.36	62.592		
11,700.00	7,001.00	7,082.90	6,991.81	150.49	29.88	90.39	-3,041.63	85.89	5,802.84	5,711.22	91.62	63.336		
11,800.00	7,001.00	7,083.13	6,992.04	151.98	29.88	90.39	-3,041.63	85.89	5,887.95	5,796.07	91.88	64.084		
11,900.00	7,001.00	7,083.36	6,992.27	153.50	29.88	90.40	-3,041.63	85.89	5,973.53	5,881.39	92.14	64.834		
12,000.00	7,001.00	7,083.59	6,992.50	155.05	29.88	90.40	-3,041.63	85.88	6,059.54	5,967.15	92.39	65.588		
12,100.00	7,001.00	7,083.82	6,992.73	156.62	29.88	90.41	-3,041.63	85.88	6,145.98	6,053.34	92.64	66.344		
12,200.00	7,001.00	7,084.06	6,992.96	158.23	29.88	90.41	-3,041.63	85.88	6,232.82	6,139.94	92.88	67.104		
12,300.00	7,001.00	7,084.29	6,993.19	159.87	29.88	90.41	-3,041.63	85.88	6,320.06	6,226.93	93.13	67.866		
12,400.00	7,001.00	7,084.52	6,993.43	161.53	29.88	90.42	-3,041.63	85.88	6,407.66	6,314.30	93.36	68.631		
12,500.00	7,001.00	7,084.76	6,993.66	163.22	29.89	90.42	-3,041.63	85.88	6,495.63	6,402.03	93.60	69.399		
12,600.00	7,001.00	7,084.99	6,993.90	164.94	29.89	90.43	-3,041.63	85.88	6,583.93	6,490.10	93.83	70.169		
12,700.00	7,001.00	7,085.22	6,994.13	166.69	29.89	90.43	-3,041.63	85.88	6,672.57	6,578.51	94.06	70.942		
12,800.00	7,001.00	7,085.46	6,994.37	168.46	29.89	90.44	-3,041.63	85.88	6,761.53	6,667.25	94.28	71.718		
12,900.00	7,001.00	7,085.70	6,994.60	170.26	29.89	90.44	-3,041.63	85.88	6,850.78	6,756.28	94.50	72.496		
13,000.00	7,001.00	7,085.93	6,994.84	172.08	29.89	90.45	-3,041.63	85.88	6,940.34	6,845.62	94.72	73.276		
13,100.00	7,001.00	7,086.17	6,995.08	173.92	29.89	90.45	-3,041.64	85.88	7,030.17	6,935.24	94.93	74.058		
13,200.00	7,001.00	7,086.41	6,995.31	175.79	29.89	90.45	-3,041.64	85.88	7,120.27	7,025.14	95.14	74.842		
13,300.00	7,001.00	7,086.65	6,995.55	177.68	29.89	90.46	-3,041.64	85.88	7,210.64	7,115.30	95.34	75.629		
13,400.00	7,001.00	7,086.89	6,995.79	179.60	29.89	90.46	-3,041.64	85.88	7,301.26	7,205.71	95.54	76.417		
13,500.00	7,001.00	7,087.13	6,996.03	181.53	29.89	90.47	-3,041.64	85.88	7,392.12	7,296.37	95.74	77.208		
13,600.00	7,001.00	7,087.37	6,996.27	183.49	29.89	90.47	-3,041.64	85.88	7,483.21	7,387.27	95.94	78.000		
13,700.00	7,001.00	7,087.61	6,996.51	185.47	29.89	90.48	-3,041.64	85.87	7,574.52	7,478.39	96.13	78.794		
13,800.00	7,001.00	7,087.85	6,996.75	187.47	29.89	90.48	-3,041.64	85.87	7,666.06	7,569.74	96.32	79.589		
13,900.00	7,001.00	7,088.09	6,997.00	189.49	29.90	90.49	-3,041.64	85.87	7,757.80	7,661.29	96.51	80.387		
14,000.00	7,001.00	7,088.33	6,997.24	191.53	29.90	90.49	-3,041.64	85.87	7,849.74	7,753.06	96.69	81.185		
14,100.00	7,001.00	7,088.58	6,997.48	193.58	29.90	90.49	-3,041.64	85.87	7,941.88	7,845.01	96.87	81.986		
14,200.00	7,001.00	7,088.82	6,997.73	195.66	29.90	90.50	-3,041.64	85.87	8,034.21	7,937.16	97.05	82.787		
14,300.00	7,001.00	7,089.07	6,997.97	197.75	29.90	90.50	-3,041.64	85.87	8,126.72	8,029.50	97.22	83.590		
14,400.00	7,001.00	7,089.31	6,998.22	199.85	29.90	90.51	-3,041.64	85.87	8,219.40	8,122.01	97.39	84.395		
14,500.00	7,001.00	7,089.56	6,998.46	201.98	29.90	90.51	-3,041.64	85.87	8,312.26	8,214.69	97.56	85.200		
14,600.00	7,001.00	7,089.80	6,998.71	204.12	29.90	90.52	-3,041.65	85.87	8,405.27	8,307.55	97.73	86.007		
14,700.00	7,001.00	7,090.05	6,998.96	206.27	29.90	90.52	-3,041.65	85.87	8,498.45	8,400.56	97.89	86.815		
14,800.00	7,001.00	7,090.30	6,999.21	208.45	29.90	90.53	-3,041.65	85.87	8,591.78	8,493.72	98.05	87.624		
14,900.00	7,001.00	7,090.55	6,999.45	210.63	29.90	90.53	-3,041.65	85.87	8,685.26	8,587.04	98.21	88.433		
15,000.00	7,001.00	7,090.80	6,999.70	212.83	29.90	90.54	-3,041.65	85.87	8,778.88	8,680.51	98.37	89.244		
15,100.00	7,001.00	7,091.05	6,999.95	215.04	29.90	90.54	-3,041.65	85.87	8,872.64	8,774.11	98.52	90.056		
15,200.00	7,001.00	7,091.30	7,000.20	217.27	29.90	90.55	-3,041.65	85.87	8,966.53	8,867.86	98.68	90.869		
15,300.00	7,001.00	7,091.55	7,000.46	219.51	29.91	90.55	-3,041.65	85.87	9,060.56	8,961.73	98.83	91.682		
15,400.00	7,001.00	7,091.80	7,000.71	221.76	29.91	90.55	-3,041.65	85.86	9,154.71	9,055.74	98.97	92.496		
15,500.00	7,001.00	7,092.05	7,000.96	224.02	29.91	90.56	-3,041.65	85.86	9,248.99	9,149.87	99.12	93.311		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - EXIST HZ BALDRIDGE 2-1 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 128-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,600.00	7,001.00	7,092.31	7,001.21	226.30	29.91	90.56	-3,041.65	85.86	9,343.38	9,244.12	99.26	94.126	
15,700.00	7,001.00	7,092.56	7,001.47	228.58	29.91	90.57	-3,041.65	85.86	9,437.89	9,338.49	99.41	94.942	
15,800.00	7,001.00	7,092.82	7,001.72	230.88	29.91	90.57	-3,041.65	85.86	9,532.52	9,432.97	99.55	95.759	
15,900.00	7,001.00	7,093.07	7,001.98	233.19	29.91	90.58	-3,041.65	85.86	9,627.25	9,527.56	99.69	96.576	
16,000.00	7,001.00	7,093.33	7,002.23	235.50	29.91	90.58	-3,041.65	85.86	9,722.08	9,622.26	99.82	97.394	
16,100.00	7,001.00	7,093.58	7,002.49	237.83	29.91	90.59	-3,041.66	85.86	9,817.02	9,717.06	99.96	98.212	
16,200.00	7,001.00	7,093.84	7,002.75	240.17	29.91	90.59	-3,041.66	85.86	9,912.06	9,811.97	100.09	99.031	
16,300.00	7,001.00	7,094.10	7,003.00	242.52	29.91	90.60	-3,041.66	85.86	10,007.19	9,906.97	100.22	99.850	

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 126-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
100.00	100.00	68.23	68.23	0.27	0.11	-176.41	-2,117.41	-132.71	2,121.57	2,121.19	0.38	5,636.533	
200.00	200.00	164.59	164.56	0.63	0.34	-176.47	-2,117.68	-130.79	2,121.72	2,120.76	0.96	2,199.407	
300.00	300.00	240.42	240.39	0.99	0.61	-176.50	-2,118.15	-129.65	2,122.32	2,120.72	1.60	1,330.044	
400.00	399.98	304.00	303.94	1.33	0.84	-24.78	-2,119.85	-128.96	2,123.21	2,121.05	2.16	980.725	
500.00	499.84	345.32	345.21	1.67	0.99	-24.82	-2,121.88	-128.53	2,123.10	2,120.45	2.65	800.358	
600.00	599.45	396.00	395.75	2.03	1.17	-24.90	-2,125.53	-127.95	2,122.27	2,119.09	3.18	667.528	
700.00	698.70	445.21	444.73	2.41	1.36	-25.01	-2,130.23	-127.38	2,120.63	2,116.92	3.71	571.366	
800.00	797.47	487.00	486.24	2.81	1.52	-25.12	-2,135.06	-126.91	2,118.17	2,113.95	4.22	501.655	
900.00	895.62	554.69	553.29	3.25	1.80	-25.34	-2,144.32	-125.98	2,114.59	2,109.75	4.84	436.698	
1,000.00	993.06	617.80	615.59	3.72	2.06	-25.59	-2,154.29	-124.76	2,109.86	2,104.40	5.46	386.510	
1,100.00	1,089.64	675.00	671.92	4.23	2.31	-25.87	-2,164.13	-123.32	2,103.63	2,097.56	6.07	346.772	
1,200.00	1,185.27	752.96	748.50	4.78	2.67	-26.27	-2,178.66	-121.93	2,095.76	2,088.98	6.77	309.339	
1,300.00	1,279.82	812.01	806.32	5.38	2.95	-26.60	-2,190.63	-121.71	2,086.51	2,079.09	7.43	280.944	
1,400.00	1,373.17	862.00	855.07	6.03	3.19	-26.93	-2,201.69	-121.57	2,076.26	2,068.20	8.06	257.621	
1,500.00	1,465.21	929.28	920.38	6.73	3.54	-27.39	-2,217.82	-121.23	2,064.87	2,056.08	8.79	234.842	
1,600.00	1,555.84	989.26	978.33	7.48	3.86	-27.86	-2,233.29	-120.59	2,052.35	2,042.83	9.52	215.662	
1,700.00	1,644.94	1,050.00	1,036.70	8.28	4.19	-28.41	-2,250.02	-119.19	2,038.76	2,028.48	10.28	198.343	
1,800.00	1,732.39	1,105.08	1,089.34	9.13	4.52	-28.96	-2,266.16	-117.64	2,024.21	2,013.17	11.05	183.253	
1,900.00	1,818.11	1,144.00	1,126.35	10.04	4.75	-29.42	-2,278.17	-116.67	2,008.95	1,997.18	11.77	170.714	
2,000.00	1,901.97	1,214.67	1,193.10	11.00	5.20	-30.18	-2,301.29	-114.92	1,992.73	1,980.05	12.68	157.125	
2,100.00	1,983.88	1,264.44	1,239.72	12.01	5.53	-30.81	-2,318.68	-113.61	1,976.06	1,962.52	13.53	146.020	
2,200.00	2,063.74	1,331.00	1,301.37	13.07	5.98	-31.63	-2,343.72	-112.04	1,959.29	1,944.77	14.52	134.973	
2,300.00	2,141.45	1,361.53	1,329.37	14.19	6.21	-32.14	-2,355.84	-111.33	1,941.89	1,926.54	15.35	126.545	
2,400.00	2,216.92	1,425.00	1,387.13	15.35	6.68	-33.03	-2,382.09	-109.58	1,924.37	1,907.95	16.41	117.254	
2,500.00	2,290.05	1,466.77	1,424.79	16.57	7.00	-33.72	-2,400.10	-108.19	1,906.39	1,888.99	17.40	109.554	
2,600.00	2,360.76	1,518.00	1,470.61	17.83	7.41	-34.58	-2,422.93	-106.14	1,888.17	1,869.66	18.50	102.036	
2,700.00	2,428.95	1,602.42	1,545.70	19.14	8.10	-35.94	-2,461.30	-102.17	1,869.01	1,849.11	19.91	93.882	
2,800.00	2,494.55	1,725.02	1,655.27	20.50	9.10	-38.01	-2,515.94	-95.89	1,847.33	1,825.66	21.67	85.237	
2,900.00	2,557.48	1,804.68	1,726.73	21.89	9.75	-39.58	-2,550.90	-91.70	1,823.56	1,800.33	23.23	78.501	
3,000.00	2,618.26	1,895.70	1,808.40	23.33	10.50	-41.21	-2,590.80	-87.07	1,798.98	1,774.01	24.96	72.062	
3,100.00	2,678.87	2,005.08	1,907.12	24.77	11.39	-43.09	-2,637.62	-81.82	1,774.57	1,747.66	26.92	65.927	
3,200.00	2,739.49	2,080.00	1,974.76	26.22	11.99	-44.40	-2,669.64	-78.36	1,751.55	1,722.87	28.69	61.061	
3,300.00	2,800.10	2,176.06	2,061.54	27.68	12.77	-46.10	-2,710.62	-74.13	1,729.94	1,699.24	30.70	56.357	
3,400.00	2,860.71	2,253.38	2,131.46	29.14	13.40	-47.49	-2,743.49	-71.15	1,709.55	1,676.92	32.63	52.392	
3,500.00	2,921.32	2,341.77	2,211.33	30.60	14.12	-49.10	-2,781.22	-68.04	1,690.77	1,656.05	34.73	48.687	
3,600.00	2,981.94	2,434.03	2,294.91	32.07	14.86	-50.81	-2,820.14	-64.65	1,673.24	1,636.31	36.94	45.301	
3,700.00	3,042.55	2,508.24	2,362.15	33.54	15.46	-52.20	-2,851.43	-62.19	1,657.26	1,618.21	39.05	42.437	
3,800.00	3,103.16	2,571.30	2,419.07	35.01	15.98	-53.39	-2,878.47	-59.82	1,643.76	1,602.64	41.12	39.974	
3,900.00	3,163.77	2,626.49	2,468.49	36.48	16.44	-54.44	-2,902.95	-57.54	1,633.34	1,590.19	43.15	37.854	
4,000.00	3,224.39	2,710.70	2,543.47	37.96	17.16	-56.04	-2,941.07	-53.68	1,625.62	1,580.09	45.52	35.709	
4,100.00	3,285.00	2,801.18	2,624.38	39.44	17.93	-57.80	-2,981.34	-49.21	1,619.27	1,571.24	48.03	33.716	
4,200.00	3,345.61	2,878.78	2,693.73	40.92	18.59	-59.30	-3,015.96	-45.65	1,614.68	1,564.26	50.43	32.021	
4,300.00	3,406.22	2,958.61	2,764.73	42.40	19.27	-60.83	-3,052.32	-42.30	1,612.39	1,559.51	52.88	30.493	
4,389.79	3,460.65	3,039.16	2,836.63	43.73	19.96	-62.39	-3,088.38	-38.33	1,611.75	1,556.53	55.22	29.188 CC	
4,400.00	3,466.84	3,048.24	2,844.76	43.88	20.04	-62.57	-3,092.42	-37.86	1,611.76	1,556.28	55.49	29.048	
4,500.00	3,527.45	3,136.97	2,924.15	45.36	20.79	-64.31	-3,131.81	-33.53	1,612.72	1,554.61	58.11	27.753	
4,600.00	3,588.06	3,223.46	3,001.50	46.84	21.53	-65.98	-3,170.32	-29.78	1,615.31	1,554.59	60.72	26.603 ES	
4,700.00	3,648.67	3,305.75	3,075.04	48.33	22.23	-67.57	-3,207.08	-26.29	1,619.78	1,556.50	63.28	25.596	
4,800.00	3,709.29	3,405.41	3,164.26	49.81	23.07	-69.48	-3,251.32	-22.54	1,625.57	1,559.49	66.08	24.600	
4,900.00	3,769.90	3,486.00	3,236.54	51.30	23.75	-71.02	-3,286.83	-19.56	1,632.92	1,564.30	68.62	23.798	
5,000.00	3,830.51	3,554.38	3,297.86	52.78	24.33	-72.32	-3,316.94	-16.52	1,642.53	1,571.57	70.96	23.148	
5,100.00	3,891.12	3,656.24	3,389.36	54.27	25.18	-74.27	-3,361.39	-11.40	1,654.15	1,580.39	73.76	22.425	

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 126-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,951.74	3,732.59	3,458.27	55.76	25.81	-75.73	-3,394.09	-7.90	1,666.78	1,590.61	76.17	21.882		
5,300.00	4,012.35	3,823.31	3,539.90	57.25	26.56	-77.43	-3,433.43	-3.58	1,681.56	1,602.81	78.75	21.352		
5,400.00	4,072.96	3,924.72	3,631.80	58.73	27.39	-79.33	-3,476.10	0.77	1,697.06	1,615.60	81.46	20.833		
5,500.00	4,133.58	4,011.07	3,710.36	60.22	28.09	-80.94	-3,511.76	4.26	1,713.74	1,629.84	83.90	20.426		
5,600.00	4,194.19	4,091.62	3,783.48	61.71	28.74	-82.40	-3,545.42	7.29	1,732.10	1,645.89	86.21	20.092		
5,700.00	4,254.80	4,168.80	3,853.38	63.20	29.37	-83.78	-3,578.02	10.20	1,752.24	1,663.82	88.42	19.818		
5,800.00	4,315.41	4,243.24	3,920.40	64.69	29.99	-85.06	-3,610.28	12.96	1,774.25	1,683.71	90.54	19.597		
5,900.00	4,376.03	4,317.65	3,987.11	66.18	30.62	-86.30	-3,643.12	15.86	1,798.09	1,705.48	92.61	19.416		
6,000.00	4,436.64	4,393.68	4,055.10	67.67	31.27	-87.54	-3,676.99	19.07	1,823.65	1,728.99	94.66	19.265		
6,100.00	4,497.25	4,483.15	4,135.13	69.17	32.03	-88.97	-3,716.81	23.03	1,850.62	1,753.72	96.90	19.099		
6,200.00	4,557.86	4,561.73	4,205.73	70.66	32.69	-90.22	-3,751.14	26.48	1,878.54	1,779.65	98.89	18.996		
6,300.00	4,618.48	4,633.22	4,269.55	72.15	33.30	-91.31	-3,783.18	29.84	1,908.18	1,807.45	100.72	18.945		
6,400.00	4,679.09	4,704.00	4,332.68	73.64	33.91	-92.36	-3,814.96	33.49	1,939.32	1,836.83	102.49	18.922		
6,500.00	4,739.70	4,782.68	4,402.65	75.13	34.60	-93.50	-3,850.70	37.82	1,971.87	1,867.50	104.37	18.893		
6,600.00	4,800.31	4,865.85	4,476.31	76.62	35.33	-94.66	-3,889.02	42.50	2,005.63	1,899.33	106.31	18.866		
6,700.00	4,860.93	4,994.64	4,591.01	78.12	36.44	-96.42	-3,947.26	48.80	2,039.62	1,930.57	109.05	18.704		
6,800.00	4,921.54	5,081.65	4,668.80	79.61	37.18	-97.58	-3,986.09	52.05	2,073.34	1,962.37	110.97	18.685		
6,900.00	4,982.15	5,195.90	4,771.82	81.10	38.13	-99.10	-4,035.34	55.39	2,106.97	1,993.68	113.29	18.597 SF		
7,000.00	5,042.76	5,279.95	4,848.14	82.60	38.81	-100.21	-4,070.50	57.56	2,141.08	2,026.05	115.04	18.612		
7,100.00	5,103.38	5,370.66	4,931.08	84.09	39.52	-101.42	-4,107.16	59.87	2,175.88	2,059.06	116.83	18.625		
7,200.00	5,163.99	5,457.60	5,011.15	85.58	40.19	-102.58	-4,140.97	62.00	2,211.36	2,092.88	118.48	18.664		
7,300.00	5,224.60	5,549.18	5,096.58	87.07	40.84	-103.83	-4,173.86	64.15	2,247.48	2,127.37	120.11	18.713		
7,400.00	5,285.21	5,649.22	5,191.49	88.57	41.50	-105.28	-4,205.39	66.10	2,284.05	2,162.35	121.69	18.769		
7,500.00	5,345.83	5,718.36	5,257.70	90.06	41.91	-106.30	-4,225.28	67.38	2,321.55	2,198.79	122.75	18.913		
7,600.00	5,406.44	5,808.69	5,344.76	91.56	42.43	-107.64	-4,249.30	69.02	2,360.12	2,236.14	123.98	19.036		
7,700.00	5,467.05	5,891.16	5,424.90	93.05	42.86	-108.89	-4,268.71	70.03	2,399.41	2,274.42	125.00	19.196		
7,800.00	5,527.66	5,981.01	5,512.82	94.54	43.29	-110.28	-4,287.19	70.72	2,439.67	2,313.70	125.97	19.368		
7,900.00	5,588.28	6,058.42	5,588.96	96.04	43.63	-111.49	-4,301.14	70.72	2,480.67	2,353.98	126.69	19.580		
8,000.00	5,648.89	6,124.39	5,654.13	97.53	43.90	-112.53	-4,311.42	70.70	2,523.04	2,395.82	127.22	19.832		
8,100.00	5,709.50	6,191.73	5,720.83	99.03	44.16	-113.59	-4,320.64	70.63	2,566.78	2,439.11	127.67	20.105		
8,200.00	5,770.11	6,264.09	5,792.66	100.52	44.41	-114.74	-4,329.31	70.42	2,611.77	2,483.70	128.07	20.393		
8,300.00	5,830.73	6,327.64	5,855.87	102.02	44.62	-115.74	-4,335.93	70.04	2,657.96	2,529.63	128.34	20.711		
8,400.00	5,891.34	6,390.00	5,917.99	103.51	44.81	-116.73	-4,341.36	69.75	2,705.65	2,577.13	128.52	21.052		
8,500.00	5,951.95	6,435.43	5,963.30	105.01	44.93	-117.45	-4,344.56	69.61	2,754.82	2,626.31	128.51	21.436		
8,600.00	6,012.57	6,488.61	6,016.41	106.50	45.08	-118.30	-4,347.38	69.50	2,805.50	2,677.01	128.50	21.833		
8,700.00	6,073.18	6,586.50	6,114.18	108.00	45.32	-119.83	-4,352.24	68.79	2,857.08	2,728.35	128.72	22.195		
8,800.00	6,133.79	6,624.91	6,152.55	109.49	45.41	-120.42	-4,353.88	68.44	2,909.71	2,781.17	128.54	22.636		
8,900.00	6,194.40	6,671.00	6,198.62	110.98	45.51	-121.13	-4,355.20	68.18	2,963.88	2,835.51	128.37	23.089		
9,000.00	6,255.02	6,721.64	6,249.25	112.48	45.61	-121.91	-4,356.02	67.97	3,019.40	2,891.23	128.17	23.558		
9,100.00	6,315.63	6,781.55	6,309.16	113.98	45.72	-122.82	-4,356.42	67.63	3,076.04	2,948.05	127.99	24.033		
9,200.00	6,376.24	6,855.64	6,383.25	115.47	45.85	-123.93	-4,356.62	66.94	3,133.51	3,005.64	127.87	24.506		
9,300.00	6,436.85	6,918.95	6,446.56	116.97	45.96	-124.86	-4,356.67	66.14	3,191.76	3,064.09	127.67	25.000		
9,400.00	6,497.47	6,977.35	6,504.95	118.46	46.05	-125.70	-4,356.61	65.34	3,250.88	3,123.44	127.44	25.509		
9,500.00	6,558.08	7,030.62	6,558.21	119.96	46.13	-126.46	-4,356.37	64.66	3,310.95	3,183.78	127.17	26.036		
9,600.00	6,618.69	7,114.66	6,642.25	121.45	46.27	-127.62	-4,356.04	63.47	3,371.77	3,244.70	127.07	26.534		
9,700.00	6,679.30	7,183.46	6,711.03	122.95	46.39	-128.54	-4,356.28	62.24	3,432.91	3,306.00	126.91	27.049		
9,800.00	6,739.92	7,242.14	6,769.71	124.44	46.50	-129.31	-4,356.75	61.32	3,494.79	3,368.07	126.72	27.580		
9,900.00	6,799.82	7,299.50	6,827.06	125.96	46.61	-130.76	-4,357.27	60.51	3,559.25	3,432.71	126.55	28.126		
10,000.00	6,854.86	7,354.39	6,881.94	127.56	46.72	-147.60	-4,357.71	59.76	3,634.37	3,507.85	126.52	28.726		
10,100.00	6,902.95	7,404.48	6,932.02	129.22	46.81	-161.85	-4,357.92	58.98	3,718.73	3,592.12	126.61	29.371		
10,200.00	6,942.63	7,443.44	6,970.98	130.85	46.88	178.37	-4,357.94	58.31	3,809.53	3,682.77	126.76	30.053		
10,300.00	6,972.70	7,471.97	6,999.50	132.42	46.93	149.55	-4,357.90	57.82	3,903.98	3,777.03	126.96	30.750		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 126-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,992.24	7,491.03	7,018.56	133.85	46.96	117.83	-4,357.86	57.49	3,999.26	3,872.07	127.20	31.441		
10,500.00	7,000.67	7,500.12	7,027.65	135.10	46.98	95.60	-4,357.83	57.34	4,092.67	3,965.20	127.47	32.106		
10,600.00	7,001.00	7,501.95	7,029.48	136.21	46.98	91.91	-4,357.82	57.31	4,183.41	4,055.64	127.77	32.741		
10,700.00	7,001.00	7,503.48	7,031.01	137.35	46.98	91.96	-4,357.82	57.28	4,274.41	4,146.35	128.05	33.379		
10,800.00	7,001.00	7,505.02	7,032.54	138.52	46.98	92.01	-4,357.81	57.25	4,365.80	4,237.47	128.32	34.022		
10,900.00	7,001.00	7,506.54	7,034.07	139.72	46.99	92.06	-4,357.80	57.23	4,457.56	4,328.98	128.58	34.668		
11,000.00	7,001.00	7,508.07	7,035.60	140.95	46.99	92.11	-4,357.80	57.20	4,549.67	4,420.84	128.82	35.317		
11,100.00	7,001.00	7,514.00	7,041.53	142.22	47.00	92.30	-4,357.77	57.10	4,642.10	4,513.03	129.08	35.963		
11,200.00	7,001.00	7,514.00	7,041.53	143.52	47.00	92.30	-4,357.77	57.10	4,734.84	4,605.55	129.29	36.622		
11,300.00	7,001.00	7,514.00	7,041.53	144.85	47.00	92.30	-4,357.77	57.10	4,827.87	4,698.38	129.49	37.283		
11,400.00	7,001.00	7,514.00	7,041.53	146.21	47.00	92.30	-4,357.77	57.10	4,921.18	4,791.49	129.69	37.947		
11,500.00	7,001.00	7,514.00	7,041.53	147.61	47.00	92.30	-4,357.77	57.10	5,014.74	4,884.87	129.87	38.613		
11,600.00	7,001.00	7,514.00	7,041.53	149.03	47.00	92.30	-4,357.77	57.10	5,108.54	4,978.50	130.05	39.282		
11,700.00	7,001.00	7,514.00	7,041.53	150.49	47.00	92.30	-4,357.77	57.10	5,202.58	5,072.36	130.22	39.953		
11,800.00	7,001.00	7,514.00	7,041.53	151.98	47.00	92.30	-4,357.77	57.10	5,296.83	5,166.46	130.38	40.627		
11,900.00	7,001.00	7,514.00	7,041.53	153.50	47.00	92.30	-4,357.77	57.10	5,391.30	5,260.76	130.53	41.302		
12,000.00	7,001.00	7,514.00	7,041.53	155.05	47.00	92.30	-4,357.77	57.10	5,485.95	5,355.27	130.68	41.979		
12,100.00	7,001.00	7,514.00	7,041.53	156.62	47.00	92.30	-4,357.77	57.10	5,580.80	5,449.97	130.83	42.658		
12,200.00	7,001.00	7,514.00	7,041.53	158.23	47.00	92.30	-4,357.77	57.10	5,675.82	5,544.86	130.96	43.339		
12,300.00	7,001.00	7,514.00	7,041.53	159.87	47.00	92.30	-4,357.77	57.10	5,771.01	5,639.91	131.10	44.022		
12,400.00	7,001.00	7,514.00	7,041.53	161.53	47.00	92.30	-4,357.77	57.10	5,866.36	5,735.14	131.22	44.705		
12,500.00	7,001.00	7,514.00	7,041.53	163.22	47.00	92.30	-4,357.77	57.10	5,961.86	5,830.51	131.35	45.391		
12,600.00	7,001.00	7,514.00	7,041.53	164.94	47.00	92.30	-4,357.77	57.10	6,057.51	5,926.04	131.46	46.077		
12,700.00	7,001.00	7,514.00	7,041.53	166.69	47.00	92.30	-4,357.77	57.10	6,153.29	6,021.71	131.58	46.765		
12,800.00	7,001.00	7,514.00	7,041.53	168.46	47.00	92.30	-4,357.77	57.10	6,249.21	6,117.52	131.69	47.454		
12,900.00	7,001.00	7,514.00	7,041.53	170.26	47.00	92.30	-4,357.77	57.10	6,345.25	6,213.46	131.80	48.144		
13,000.00	7,001.00	7,514.00	7,041.53	172.08	47.00	92.30	-4,357.77	57.10	6,441.42	6,309.52	131.90	48.835		
13,100.00	7,001.00	7,514.00	7,041.53	173.92	47.00	92.30	-4,357.77	57.10	6,537.70	6,405.69	132.00	49.527		
13,200.00	7,001.00	7,514.00	7,041.53	175.79	47.00	92.30	-4,357.77	57.10	6,634.09	6,501.98	132.10	50.220		
13,300.00	7,001.00	7,514.00	7,041.53	177.68	47.00	92.30	-4,357.77	57.10	6,730.58	6,598.38	132.20	50.913		
13,400.00	7,001.00	7,514.00	7,041.53	179.60	47.00	92.30	-4,357.77	57.10	6,827.18	6,694.89	132.29	51.608		
13,500.00	7,001.00	7,514.00	7,041.53	181.53	47.00	92.30	-4,357.77	57.10	6,923.87	6,791.49	132.38	52.303		
13,600.00	7,001.00	7,514.00	7,041.53	183.49	47.00	92.30	-4,357.77	57.10	7,020.65	6,888.19	132.47	52.999		
13,700.00	7,001.00	7,514.00	7,041.53	185.47	47.00	92.30	-4,357.77	57.10	7,117.53	6,984.97	132.55	53.696		
13,800.00	7,001.00	7,514.00	7,041.53	187.47	47.00	92.30	-4,357.77	57.10	7,214.49	7,081.85	132.64	54.393		
13,900.00	7,001.00	7,514.00	7,041.53	189.49	47.00	92.30	-4,357.77	57.10	7,311.53	7,178.81	132.72	55.091		
14,000.00	7,001.00	7,514.00	7,041.53	191.53	47.00	92.30	-4,357.77	57.10	7,408.65	7,275.85	132.80	55.790		
14,100.00	7,001.00	7,514.00	7,041.53	193.58	47.00	92.30	-4,357.77	57.10	7,505.84	7,372.97	132.87	56.488		
14,200.00	7,001.00	7,537.88	7,065.40	195.66	47.04	93.08	-4,357.67	56.73	7,603.03	7,469.98	133.05	57.144		
14,300.00	7,001.00	7,538.57	7,066.10	197.75	47.04	93.11	-4,357.66	56.72	7,700.37	7,567.24	133.13	57.842		
14,400.00	7,001.00	7,539.26	7,066.78	199.85	47.04	93.13	-4,357.66	56.71	7,797.77	7,664.57	133.20	58.540		
14,500.00	7,001.00	7,539.93	7,067.46	201.98	47.04	93.15	-4,357.66	56.71	7,895.24	7,761.96	133.28	59.239		
14,600.00	7,001.00	7,540.60	7,068.12	204.12	47.04	93.17	-4,357.65	56.70	7,992.76	7,859.42	133.35	59.938		
14,700.00	7,001.00	7,541.26	7,068.78	206.27	47.04	93.19	-4,357.65	56.69	8,090.35	7,956.93	133.42	60.638		
14,800.00	7,001.00	7,541.91	7,069.43	208.45	47.05	93.21	-4,357.65	56.68	8,188.00	8,054.51	133.49	61.338		
14,900.00	7,001.00	7,542.56	7,070.08	210.63	47.05	93.24	-4,357.64	56.67	8,285.70	8,152.15	133.56	62.038		
15,000.00	7,001.00	7,543.19	7,070.71	212.83	47.05	93.26	-4,357.64	56.66	8,383.46	8,249.84	133.63	62.738		
15,100.00	7,001.00	7,543.82	7,071.34	215.04	47.05	93.28	-4,357.64	56.65	8,481.27	8,347.58	133.69	63.439		
15,200.00	7,001.00	7,544.44	7,071.96	217.27	47.05	93.30	-4,357.63	56.65	8,579.13	8,445.37	133.76	64.139		
15,300.00	7,001.00	7,545.05	7,072.57	219.51	47.05	93.32	-4,357.63	56.64	8,677.04	8,543.22	133.82	64.840		
15,400.00	7,001.00	7,545.66	7,073.18	221.76	47.05	93.34	-4,357.63	56.63	8,774.99	8,641.11	133.89	65.541		
15,500.00	7,001.00	7,546.26	7,073.78	224.02	47.05	93.36	-4,357.62	56.62	8,873.00	8,739.05	133.95	66.242		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - EXIST HZ BALDRIDGE 7-1 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 126-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,600.00	7,001.00	7,546.85	7,074.37	226.30	47.05	93.38	-4,357.62	56.61	8,971.04	8,837.03	134.01	66.943	
15,700.00	7,001.00	7,547.43	7,074.95	228.58	47.06	93.39	-4,357.62	56.61	9,069.13	8,935.06	134.07	67.644	
15,800.00	7,001.00	7,548.01	7,075.53	230.88	47.06	93.41	-4,357.61	56.60	9,167.26	9,033.13	134.13	68.346	
15,900.00	7,001.00	7,548.58	7,076.10	233.19	47.06	93.43	-4,357.61	56.59	9,265.43	9,131.24	134.19	69.047	
16,000.00	7,001.00	7,549.15	7,076.67	235.50	47.06	93.45	-4,357.61	56.59	9,363.63	9,229.38	134.25	69.748	
16,100.00	7,001.00	7,549.70	7,077.23	237.83	47.06	93.47	-4,357.61	56.58	9,461.88	9,327.57	134.31	70.450	
16,200.00	7,001.00	7,550.26	7,077.78	240.17	47.06	93.49	-4,357.60	56.57	9,560.16	9,425.80	134.36	71.151	
16,300.00	7,001.00	7,550.80	7,078.32	242.52	47.06	93.50	-4,357.60	56.56	9,658.48	9,524.06	134.42	71.852	
16,400.00	7,001.00	7,551.34	7,078.86	244.87	47.06	93.52	-4,357.60	56.56	9,756.83	9,622.35	134.48	72.553	
16,500.00	7,001.00	7,551.88	7,079.40	247.24	47.06	93.54	-4,357.59	56.55	9,855.21	9,720.68	134.53	73.255	
16,600.00	7,001.00	7,552.40	7,079.92	249.61	47.06	93.56	-4,357.59	56.55	9,953.63	9,819.04	134.59	73.956	
16,700.00	7,001.00	7,552.93	7,080.45	251.99	47.06	93.57	-4,357.59	56.54	10,052.07	9,917.43	134.64	74.657	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 98-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	107.42	107.41	0.27	0.16	-177.62	-2,116.07	-88.04	2,118.22	2,117.78	0.43	4,892.848		
200.00	200.00	185.00	184.99	0.63	0.45	-177.63	-2,115.53	-87.60	2,117.39	2,116.31	1.08	1,956.450		
213.99	213.99	185.00	184.99	0.68	0.45	-177.63	-2,115.53	-87.60	2,117.35	2,116.21	1.13	1,869.461		
300.00	300.00	239.51	239.50	0.99	0.65	-177.65	-2,115.95	-86.94	2,117.97	2,116.33	1.63	1,296.223		
400.00	399.98	298.70	298.65	1.33	0.86	-25.94	-2,117.41	-85.75	2,118.81	2,116.62	2.19	969.166		
500.00	499.84	366.00	365.83	1.67	1.10	-26.06	-2,120.68	-83.34	2,118.65	2,115.89	2.76	766.702		
600.00	599.45	404.24	403.92	2.03	1.24	-26.16	-2,123.41	-81.44	2,117.44	2,114.19	3.25	651.312		
700.00	698.70	457.00	456.35	2.41	1.44	-26.35	-2,128.32	-78.22	2,115.55	2,111.75	3.80	557.056		
800.00	797.47	513.28	512.11	2.81	1.67	-26.60	-2,134.76	-74.09	2,112.71	2,108.34	4.37	483.108		
900.00	895.62	575.96	574.01	3.25	1.93	-26.93	-2,143.04	-68.67	2,108.66	2,103.67	4.99	422.864		
1,000.00	993.06	644.00	640.95	3.72	2.23	-27.36	-2,153.07	-61.81	2,103.19	2,097.55	5.64	372.993		
1,100.00	1,089.64	712.51	708.13	4.23	2.54	-27.86	-2,164.10	-54.24	2,096.20	2,089.88	6.32	331.874		
1,200.00	1,185.27	781.68	775.80	4.78	2.87	-28.42	-2,176.10	-46.32	2,087.65	2,080.64	7.02	297.510		
1,300.00	1,279.82	832.00	824.90	5.38	3.12	-28.89	-2,185.39	-40.42	2,077.75	2,070.10	7.65	271.439		
1,400.00	1,373.17	900.41	891.37	6.03	3.48	-29.56	-2,199.16	-31.95	2,066.73	2,058.33	8.40	245.971		
1,500.00	1,465.21	962.78	951.60	6.73	3.81	-30.24	-2,213.00	-23.49	2,055.00	2,045.84	9.15	224.524		
1,600.00	1,555.84	1,019.00	1,005.62	7.48	4.13	-30.93	-2,225.99	-14.97	2,042.04	2,032.14	9.90	206.245		
1,700.00	1,644.94	1,086.26	1,069.93	8.28	4.53	-31.80	-2,242.46	-4.15	2,028.09	2,017.35	10.74	188.765		
1,800.00	1,732.39	1,147.22	1,127.89	9.13	4.90	-32.67	-2,258.43	5.94	2,013.49	2,001.90	11.59	173.672		
1,900.00	1,818.11	1,206.00	1,183.48	10.04	5.27	-33.57	-2,274.42	16.37	1,998.01	1,985.54	12.47	160.216		
2,000.00	1,901.97	1,257.67	1,232.03	11.00	5.62	-34.44	-2,289.23	26.01	1,982.11	1,968.76	13.35	148.429		
2,100.00	1,983.88	1,300.00	1,271.52	12.01	5.91	-35.22	-2,302.13	34.13	1,966.22	1,952.00	14.22	138.259		
2,200.00	2,063.74	1,348.79	1,316.68	13.07	6.27	-36.13	-2,317.91	43.73	1,950.46	1,935.28	15.17	128.532		
2,300.00	2,141.45	1,394.00	1,358.14	14.19	6.60	-37.02	-2,333.44	52.87	1,935.02	1,918.87	16.15	119.816		
2,400.00	2,216.92	1,444.93	1,404.45	15.35	7.00	-38.04	-2,351.71	63.61	1,919.80	1,902.58	17.22	111.491		
2,500.00	2,290.05	1,499.40	1,453.58	16.57	7.43	-39.18	-2,371.85	75.76	1,904.71	1,886.34	18.37	103.688		
2,600.00	2,360.76	1,567.36	1,514.59	17.83	8.00	-40.62	-2,397.41	91.36	1,889.46	1,869.77	19.69	95.966		
2,700.00	2,428.95	1,649.78	1,588.46	19.14	8.69	-42.41	-2,428.46	110.66	1,873.70	1,852.51	21.20	88.386		
2,800.00	2,494.55	1,734.57	1,664.56	20.50	9.40	-44.36	-2,459.80	131.04	1,857.15	1,834.33	22.82	81.386		
2,900.00	2,557.48	1,814.77	1,736.65	21.89	10.08	-46.33	-2,488.77	150.93	1,840.08	1,815.58	24.50	75.110		
3,000.00	2,618.26	1,890.77	1,805.06	23.33	10.73	-48.11	-2,515.82	170.03	1,823.41	1,797.18	26.23	69.511		
3,100.00	2,678.87	1,962.52	1,869.66	24.77	11.34	-49.75	-2,540.76	188.81	1,809.11	1,781.12	27.99	64.624		
3,200.00	2,739.49	2,024.53	1,925.45	26.22	11.87	-51.16	-2,562.62	204.75	1,797.73	1,768.01	29.72	60.492		
3,300.00	2,800.10	2,079.71	1,975.01	27.68	12.34	-52.41	-2,582.76	218.30	1,789.49	1,758.08	31.42	56.961		
3,400.00	2,860.71	2,143.00	2,031.47	29.14	12.90	-53.84	-2,606.44	234.31	1,784.90	1,751.67	33.23	53.708		
3,500.00	2,921.32	2,208.06	2,089.41	30.60	13.48	-55.32	-2,630.82	251.09	1,783.37	1,748.26	35.11	50.794		
3,518.57	2,932.58	2,224.89	2,104.44	30.87	13.63	-55.71	-2,637.04	255.42	1,783.34	1,747.82	35.51	50.214	CC	
3,600.00	2,981.94	2,284.57	2,157.78	32.07	14.15	-57.07	-2,659.04	270.63	1,784.20	1,747.05	37.15	48.027	ES	
3,700.00	3,042.55	2,359.03	2,224.34	33.54	14.81	-58.75	-2,686.88	289.11	1,787.78	1,748.58	39.20	45.605		
3,800.00	3,103.16	2,438.67	2,295.65	35.01	15.51	-60.55	-2,716.42	308.66	1,793.80	1,752.45	41.35	43.384		
3,900.00	3,163.77	2,512.97	2,362.27	36.48	16.16	-62.20	-2,744.05	326.56	1,802.34	1,758.88	43.46	41.475		
4,000.00	3,224.39	2,583.95	2,425.90	37.96	16.78	-63.78	-2,770.57	343.45	1,813.48	1,767.94	45.54	39.819		
4,100.00	3,285.00	2,652.38	2,487.24	39.44	17.39	-65.28	-2,796.08	359.87	1,827.29	1,779.69	47.61	38.382		
4,200.00	3,345.61	2,719.41	2,547.29	40.92	17.97	-66.75	-2,820.98	376.21	1,843.83	1,794.17	49.66	37.131		
4,300.00	3,406.22	2,787.12	2,607.97	42.40	18.57	-68.23	-2,845.86	393.06	1,863.01	1,811.30	51.71	36.027		
4,400.00	3,466.84	2,843.70	2,658.59	43.88	19.08	-69.46	-2,866.68	407.37	1,884.96	1,831.36	53.60	35.169		
4,500.00	3,527.45	2,903.87	2,712.10	45.36	19.62	-70.73	-2,889.59	422.64	1,909.84	1,854.33	55.51	34.405		
4,600.00	3,588.06	3,006.26	2,803.40	46.84	20.54	-72.86	-2,928.42	447.94	1,936.46	1,878.41	58.05	33.357		
4,700.00	3,648.67	3,097.56	2,885.38	48.33	21.34	-74.73	-2,962.16	469.76	1,964.32	1,903.91	60.41	32.516		
4,800.00	3,709.29	3,174.00	2,954.34	49.81	22.00	-76.28	-2,989.87	487.61	1,993.62	1,931.10	62.52	31.886		
4,900.00	3,769.90	3,231.04	3,005.73	51.30	22.49	-77.41	-3,010.70	500.98	2,025.13	1,960.82	64.31	31.490		
5,000.00	3,830.51	3,289.91	3,058.41	52.78	23.01	-78.55	-3,032.82	515.17	2,059.27	1,993.18	66.09	31.158		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 98-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	3,891.12	3,375.93	3,135.44	54.27	23.77	-80.18	-3,065.10	535.73	2,095.06	2,026.77	68.29	30.680		
5,200.00	3,951.74	3,468.96	3,219.08	55.76	24.59	-81.90	-3,099.68	557.29	2,131.91	2,061.33	70.57	30.209		
5,300.00	4,012.35	3,532.77	3,276.55	57.25	25.14	-83.06	-3,123.16	572.03	2,170.21	2,097.87	72.34	29.998		
5,400.00	4,072.96	3,583.42	3,322.15	58.73	25.58	-83.97	-3,141.69	583.98	2,210.39	2,136.54	73.86	29.928		
5,500.00	4,133.58	3,642.00	3,374.69	60.22	26.10	-85.01	-3,163.07	598.60	2,252.93	2,177.46	75.47	29.854		
5,600.00	4,194.19	3,698.71	3,425.54	61.71	26.60	-86.00	-3,183.56	613.13	2,297.26	2,220.26	77.00	29.835		
5,700.00	4,254.80	3,779.91	3,498.59	63.20	27.31	-87.40	-3,212.40	633.71	2,342.69	2,263.75	78.94	29.678		
5,800.00	4,315.41	3,860.63	3,571.24	64.69	28.02	-88.74	-3,241.34	653.75	2,389.07	2,308.23	80.84	29.554		
5,900.00	4,376.03	3,936.37	3,639.58	66.18	28.67	-89.97	-3,268.21	672.32	2,436.36	2,353.74	82.62	29.488 SF		
6,000.00	4,436.64	3,994.94	3,692.38	67.67	29.18	-90.90	-3,289.00	686.79	2,484.93	2,400.86	84.07	29.557		
6,100.00	4,497.25	4,047.58	3,739.70	69.17	29.65	-91.71	-3,307.90	700.03	2,534.95	2,449.56	85.39	29.688		
6,200.00	4,557.86	4,096.68	3,783.58	70.66	30.09	-92.45	-3,325.92	712.70	2,586.51	2,499.90	86.61	29.864		
6,300.00	4,618.48	4,156.05	3,836.31	72.15	30.63	-93.31	-3,348.27	728.35	2,639.46	2,551.44	88.02	29.987		
6,400.00	4,679.09	4,218.70	3,891.62	73.64	31.22	-94.18	-3,372.58	744.93	2,693.42	2,603.94	89.48	30.100		
6,500.00	4,739.70	4,276.53	3,942.33	75.13	31.77	-94.94	-3,395.64	760.41	2,748.43	2,657.58	90.84	30.254		
6,600.00	4,800.31	4,364.08	4,018.83	76.62	32.61	-96.06	-3,431.19	783.88	2,804.22	2,711.41	92.81	30.214		
6,700.00	4,860.93	4,433.00	4,079.29	78.12	33.27	-96.91	-3,458.87	801.98	2,860.20	2,765.82	94.38	30.307		
6,800.00	4,921.54	4,488.86	4,128.43	79.61	33.80	-97.60	-3,480.82	816.95	2,917.14	2,821.49	95.65	30.498		
6,900.00	4,982.15	4,571.90	4,201.87	81.10	34.57	-98.61	-3,512.52	839.25	2,974.70	2,877.25	97.45	30.525		
7,000.00	5,042.76	4,684.93	4,302.59	82.60	35.60	-99.96	-3,554.55	868.65	3,032.24	2,932.42	99.81	30.379		
7,100.00	5,103.38	4,760.88	4,370.72	84.09	36.27	-100.85	-3,582.07	887.84	3,089.79	2,988.39	101.40	30.470		
7,200.00	5,163.99	4,817.51	4,421.64	85.58	36.78	-101.50	-3,602.32	902.16	3,147.94	3,045.33	102.61	30.680		
7,300.00	5,224.60	4,889.52	4,486.12	87.07	37.42	-102.30	-3,628.47	920.68	3,206.90	3,102.80	104.10	30.805		
7,400.00	5,285.21	5,016.84	4,600.09	88.57	38.55	-103.64	-3,675.75	952.05	3,265.53	3,158.86	106.68	30.612		
7,500.00	5,345.83	5,082.45	4,659.40	90.06	39.12	-104.32	-3,699.15	967.53	3,323.96	3,215.94	108.02	30.771		
7,600.00	5,406.44	5,141.00	4,712.15	91.56	39.63	-104.92	-3,720.17	981.79	3,383.35	3,274.13	109.22	30.978		
7,700.00	5,467.05	5,206.55	4,771.13	93.05	40.20	-105.56	-3,743.82	997.94	3,443.36	3,332.81	110.55	31.149		
7,800.00	5,527.66	5,268.26	4,826.65	94.54	40.75	-106.16	-3,766.12	1,013.01	3,503.65	3,391.86	111.80	31.340		
7,900.00	5,588.28	5,329.00	4,880.91	96.04	41.29	-106.71	-3,788.74	1,028.31	3,564.76	3,451.72	113.03	31.538		
8,000.00	5,648.89	5,397.85	4,942.20	97.53	41.92	-107.32	-3,814.76	1,045.80	3,626.34	3,511.90	114.43	31.689		
8,100.00	5,709.50	5,526.69	5,057.41	99.03	43.07	-108.42	-3,863.06	1,077.32	3,687.67	3,570.63	117.01	31.516		
8,200.00	5,770.11	5,588.14	5,112.78	100.52	43.60	-108.95	-3,885.39	1,091.87	3,748.75	3,630.53	118.22	31.710		
8,300.00	5,830.73	5,675.19	5,191.69	102.02	44.35	-109.69	-3,915.99	1,112.24	3,810.14	3,690.24	119.90	31.779		
8,400.00	5,891.34	5,733.26	5,244.47	103.51	44.84	-110.17	-3,936.16	1,125.62	3,871.64	3,750.62	121.01	31.993		
8,500.00	5,951.95	5,774.56	5,281.87	105.01	45.19	-110.51	-3,950.65	1,135.45	3,933.93	3,812.12	121.81	32.296		
8,600.00	6,012.57	5,829.68	5,331.66	106.50	45.66	-110.95	-3,970.07	1,148.97	3,996.97	3,874.11	122.86	32.533		
8,700.00	6,073.18	5,891.00	5,387.33	108.00	46.18	-111.43	-3,990.99	1,163.91	4,060.35	3,936.33	124.01	32.741		
8,800.00	6,133.79	5,938.15	5,430.21	109.49	46.58	-111.81	-4,006.80	1,175.52	4,124.28	3,999.40	124.88	33.025		
8,900.00	6,194.40	5,985.00	5,472.69	110.98	46.98	-112.17	-4,022.54	1,187.43	4,188.96	4,063.22	125.74	33.314		
9,000.00	6,255.02	6,135.10	5,609.70	112.48	48.22	-113.31	-4,071.57	1,224.20	4,253.51	4,124.98	128.53	33.092		
9,100.00	6,315.63	6,295.98	5,757.12	113.98	49.52	-114.48	-4,125.19	1,259.85	4,316.21	4,184.75	131.46	32.832		
9,200.00	6,376.24	6,367.39	5,823.22	115.47	50.07	-115.00	-4,147.64	1,274.88	4,379.01	4,246.30	132.71	32.996		
9,300.00	6,436.85	6,487.95	5,936.97	116.97	50.90	-115.94	-4,180.34	1,297.69	4,441.20	4,306.56	134.63	32.987		
9,400.00	6,497.47	6,547.00	5,993.27	118.46	51.28	-116.42	-4,194.58	1,308.42	4,503.91	4,368.38	135.53	33.232		
9,500.00	6,558.08	6,617.83	6,254.86	119.96	52.81	-118.64	-4,251.99	1,348.20	4,564.72	4,425.61	139.11	32.813		
9,600.00	6,618.69	6,687.46	6,420.38	121.45	53.64	-120.02	-4,284.36	1,366.22	4,623.92	4,482.81	141.11	32.767		
9,700.00	6,679.30	7,042.60	6,474.37	122.95	53.90	-120.46	-4,294.32	1,371.41	4,683.17	4,541.36	141.81	33.024		
9,800.00	6,739.92	7,082.05	6,513.07	124.44	54.08	-120.78	-4,300.96	1,375.21	4,743.18	4,600.86	142.32	33.327		
9,900.00	6,799.82	7,109.00	6,539.54	125.96	54.20	-125.93	-4,305.24	1,377.86	4,806.00	4,663.31	142.69	33.682		
10,000.00	6,854.86	7,157.61	6,587.34	127.56	54.41	-135.40	-4,312.55	1,382.77	4,880.32	4,737.04	143.28	34.062		
10,100.00	6,902.95	7,203.00	6,632.03	129.22	54.61	-146.18	-4,318.99	1,387.50	4,965.05	4,821.23	143.82	34.522		
10,200.00	6,942.63	7,233.60	6,662.19	130.85	54.73	-161.72	-4,323.06	1,390.63	5,057.17	4,913.00	144.17	35.078		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 98-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,972.70	7,349.33	6,776.82	132.42	55.16	168.86	-4,335.78	1,400.04	5,153.38	5,008.17	145.21	35.489		
10,400.00	6,992.24	7,433.64	6,860.62	133.85	55.43	124.13	-4,343.51	1,405.16	5,251.25	5,105.44	145.81	36.013		
10,500.00	7,000.67	7,440.68	6,867.62	135.10	55.45	91.30	-4,344.05	1,405.49	5,348.04	5,202.27	145.77	36.689		
10,600.00	7,001.00	7,433.45	6,860.42	136.21	55.43	86.39	-4,343.49	1,405.15	5,442.62	5,297.03	145.59	37.383		
10,700.00	7,001.00	7,353.08	6,780.55	137.35	55.17	83.85	-4,336.15	1,400.31	5,537.21	5,392.35	144.86	38.225		
10,800.00	7,001.00	7,346.08	6,773.60	138.52	55.15	83.63	-4,335.46	1,399.82	5,631.95	5,487.26	144.69	38.925		
10,900.00	7,001.00	7,229.09	6,657.75	139.72	54.71	80.04	-4,322.48	1,390.18	5,726.93	5,583.37	143.55	39.895		
11,000.00	7,001.00	7,203.00	6,632.03	140.95	54.61	79.26	-4,318.99	1,387.50	5,821.82	5,678.61	143.20	40.655		
11,100.00	7,001.00	7,203.00	6,632.03	142.22	54.61	79.26	-4,318.99	1,387.50	5,916.86	5,773.75	143.11	41.345		
11,200.00	7,001.00	7,203.00	6,632.03	143.52	54.61	79.26	-4,318.99	1,387.50	6,012.06	5,869.05	143.02	42.037		
11,300.00	7,001.00	7,182.15	6,611.50	144.85	54.52	78.65	-4,316.08	1,385.31	6,107.36	5,964.64	142.72	42.792		
11,400.00	7,001.00	7,176.06	6,605.51	146.21	54.49	78.47	-4,315.22	1,384.68	6,202.82	6,060.25	142.58	43.505		
11,500.00	7,001.00	7,170.02	6,599.56	147.61	54.47	78.29	-4,314.35	1,384.05	6,298.42	6,155.98	142.44	44.219		
11,600.00	7,001.00	7,164.03	6,593.66	149.03	54.44	78.12	-4,313.49	1,383.43	6,394.14	6,251.84	142.30	44.935		
11,700.00	7,001.00	7,158.08	6,587.81	150.49	54.41	77.95	-4,312.62	1,382.82	6,489.98	6,347.81	142.17	45.651		
11,800.00	7,001.00	7,152.17	6,582.00	151.98	54.39	77.78	-4,311.76	1,382.22	6,585.93	6,443.90	142.03	46.369		
11,900.00	7,001.00	7,146.32	6,576.24	153.50	54.36	77.61	-4,310.89	1,381.62	6,682.00	6,540.09	141.91	47.087		
12,000.00	7,001.00	7,140.50	6,570.52	155.05	54.34	77.44	-4,310.03	1,381.03	6,778.17	6,636.38	141.78	47.807		
12,100.00	7,001.00	7,134.74	6,564.85	156.62	54.31	77.27	-4,309.17	1,380.44	6,874.44	6,732.77	141.66	48.527		
12,200.00	7,001.00	7,109.00	6,539.54	158.23	54.20	76.54	-4,305.24	1,377.86	6,970.85	6,829.50	141.35	49.316		
12,300.00	7,001.00	7,109.00	6,539.54	159.87	54.20	76.54	-4,305.24	1,377.86	7,067.29	6,926.00	141.29	50.020		
12,400.00	7,001.00	7,109.00	6,539.54	161.53	54.20	76.54	-4,305.24	1,377.86	7,163.82	7,022.59	141.23	50.724		
12,500.00	7,001.00	7,109.00	6,539.54	163.22	54.20	76.54	-4,305.24	1,377.86	7,260.44	7,119.27	141.18	51.429		
12,600.00	7,001.00	7,109.00	6,539.54	164.94	54.20	76.54	-4,305.24	1,377.86	7,357.16	7,216.04	141.12	52.134		
12,700.00	7,001.00	7,109.00	6,539.54	166.69	54.20	76.54	-4,305.24	1,377.86	7,453.96	7,312.89	141.07	52.839		
12,800.00	7,001.00	7,109.00	6,539.54	168.46	54.20	76.54	-4,305.24	1,377.86	7,550.85	7,409.83	141.02	53.545		
12,900.00	7,001.00	7,109.00	6,539.54	170.26	54.20	76.54	-4,305.24	1,377.86	7,647.82	7,506.85	140.97	54.252		
13,000.00	7,001.00	7,109.00	6,539.54	172.08	54.20	76.54	-4,305.24	1,377.86	7,744.86	7,603.94	140.92	54.959		
13,100.00	7,001.00	7,081.98	6,513.00	173.92	54.08	75.78	-4,300.95	1,375.20	7,841.88	7,701.27	140.61	55.768		
13,200.00	7,001.00	7,077.12	6,508.23	175.79	54.06	75.64	-4,300.16	1,374.73	7,939.04	7,798.51	140.52	56.496		
13,300.00	7,001.00	7,072.30	6,503.49	177.68	54.03	75.51	-4,299.36	1,374.26	8,036.25	7,895.82	140.44	57.223		
13,400.00	7,001.00	7,067.50	6,498.79	179.60	54.01	75.37	-4,298.57	1,373.80	8,133.53	7,993.18	140.35	57.952		
13,500.00	7,001.00	7,062.73	6,494.11	181.53	53.99	75.24	-4,297.77	1,373.34	8,230.87	8,090.61	140.27	58.680		
13,600.00	7,001.00	7,058.00	6,489.47	183.49	53.97	75.11	-4,296.97	1,372.88	8,328.27	8,188.08	140.18	59.409		
13,700.00	7,001.00	7,053.30	6,484.85	185.47	53.95	74.98	-4,296.17	1,372.43	8,425.72	8,285.62	140.10	60.139		
13,800.00	7,001.00	7,048.62	6,480.27	187.47	53.93	74.85	-4,295.37	1,371.98	8,523.23	8,383.20	140.03	60.869		
13,900.00	7,001.00	5,956.99	5,447.30	189.49	46.74	54.00	-4,013.12	1,180.27	8,620.31	8,494.91	125.39	68.748		
14,000.00	7,001.00	5,946.66	5,437.93	191.53	46.66	53.88	-4,009.65	1,177.66	8,715.71	8,590.45	125.26	69.583		
14,100.00	7,001.00	5,936.47	5,428.68	193.58	46.57	53.76	-4,006.23	1,175.10	8,811.18	8,686.06	125.12	70.419		
14,200.00	7,001.00	5,926.42	5,419.55	195.66	46.48	53.64	-4,002.86	1,172.60	8,906.73	8,781.73	125.00	71.256		
14,300.00	7,001.00	5,891.00	5,387.33	197.75	46.18	53.23	-3,990.99	1,163.91	9,002.43	8,877.98	124.45	72.337		
14,400.00	7,001.00	5,891.00	5,387.33	199.85	46.18	53.23	-3,990.99	1,163.91	9,098.06	8,973.57	124.49	73.081		
14,500.00	7,001.00	5,891.00	5,387.33	201.98	46.18	53.23	-3,990.99	1,163.91	9,193.78	9,069.24	124.53	73.825		
14,600.00	7,001.00	5,881.08	5,378.30	204.12	46.10	53.12	-3,987.66	1,161.51	9,289.58	9,165.17	124.41	74.667		
14,700.00	7,001.00	5,853.61	5,353.34	206.27	45.87	52.81	-3,978.33	1,154.82	9,385.42	9,261.42	124.00	75.687		
14,800.00	7,001.00	5,825.85	5,328.19	208.45	45.63	52.51	-3,968.73	1,148.03	9,481.27	9,357.68	123.59	76.715		
14,900.00	7,001.00	5,797.79	5,302.85	210.63	45.39	52.21	-3,958.87	1,141.13	9,577.13	9,453.96	123.17	77.753		
15,000.00	7,001.00	5,797.00	5,302.14	212.83	45.38	52.20	-3,958.59	1,140.93	9,673.04	9,549.84	123.21	78.511		
15,100.00	7,001.00	5,797.00	5,302.14	215.04	45.38	52.20	-3,958.59	1,140.93	9,769.04	9,645.78	123.25	79.261		
15,200.00	7,001.00	5,797.00	5,302.14	217.27	45.38	52.20	-3,958.59	1,140.93	9,865.11	9,741.81	123.30	80.011		
15,300.00	7,001.00	5,762.39	5,270.87	219.51	45.09	51.84	-3,946.36	1,132.52	9,961.08	9,838.30	122.78	81.129		
15,400.00	7,001.00	5,753.98	5,263.25	221.76	45.02	51.76	-3,943.41	1,130.51	10,057.22	9,934.52	122.69	81.972		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 96-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	82.73	82.73	0.27	0.12	-178.83	-2,116.40	-43.27	2,116.88	2,116.48	0.39	5,389.901		
200.00	200.00	190.78	190.77	0.63	0.48	-178.85	-2,115.57	-42.35	2,116.09	2,114.98	1.11	1,905.963		
300.00	300.00	285.70	285.68	0.99	0.82	-178.89	-2,114.84	-41.08	2,115.29	2,113.48	1.81	1,169.608		
400.00	399.98	380.75	380.71	1.33	1.16	-27.24	-2,114.25	-39.13	2,113.08	2,110.59	2.49	847.525		
500.00	499.84	461.51	461.45	1.67	1.45	-27.36	-2,114.28	-37.88	2,108.44	2,105.31	3.12	675.398		
600.00	599.45	549.20	549.14	2.03	1.76	-27.55	-2,114.94	-36.82	2,101.43	2,097.65	3.78	555.482		
700.00	698.70	663.99	663.88	2.41	2.17	-27.90	-2,116.07	-34.09	2,091.63	2,087.07	4.56	459.104		
800.00	797.47	794.90	794.76	2.81	2.63	-28.38	-2,114.67	-31.45	2,076.52	2,071.13	5.39	384.980		
900.00	895.62	886.70	886.55	3.25	2.95	-28.79	-2,113.71	-31.61	2,058.67	2,052.57	6.09	337.909		
1,000.00	993.06	995.53	995.37	3.72	3.33	-29.35	-2,112.46	-31.26	2,037.76	2,030.89	6.87	296.795		
1,100.00	1,089.64	1,095.31	1,095.10	4.23	3.69	-30.05	-2,110.75	-28.31	2,013.44	2,005.80	7.63	263.844		
1,200.00	1,185.27	1,202.17	1,201.80	4.78	4.07	-30.97	-2,108.56	-22.94	1,986.05	1,977.61	8.44	235.249		
1,300.00	1,279.82	1,289.20	1,288.59	5.38	4.39	-31.94	-2,106.55	-16.89	1,955.81	1,946.60	9.21	212.425		
1,400.00	1,373.17	1,365.95	1,365.01	6.03	4.68	-32.97	-2,105.10	-10.02	1,923.51	1,913.55	9.96	193.034		
1,500.00	1,465.21	1,448.54	1,447.04	6.73	4.99	-34.24	-2,103.96	-0.50	1,889.44	1,878.66	10.78	175.283		
1,600.00	1,555.84	1,581.08	1,578.08	7.48	5.51	-36.39	-2,100.79	19.06	1,852.72	1,840.89	11.83	156.656		
1,700.00	1,644.94	1,679.95	1,675.03	8.28	5.93	-38.47	-2,096.04	37.83	1,812.32	1,799.51	12.82	141.420		
1,800.00	1,732.39	1,763.13	1,755.88	9.13	6.30	-40.60	-2,091.19	56.69	1,770.02	1,756.20	13.82	128.075		
1,900.00	1,818.11	1,837.43	1,827.50	10.04	6.65	-42.81	-2,086.39	75.91	1,726.56	1,711.69	14.87	116.083		
2,000.00	1,901.97	1,905.50	1,892.52	11.00	7.00	-45.10	-2,081.69	95.46	1,682.54	1,666.55	15.99	105.223		
2,100.00	1,983.88	1,979.61	1,962.67	12.01	7.39	-47.78	-2,076.20	118.74	1,638.43	1,621.19	17.24	95.024		
2,200.00	2,063.74	2,071.96	2,049.26	13.07	7.92	-51.24	-2,067.42	149.60	1,593.66	1,574.93	18.73	85.093		
2,300.00	2,141.45	2,142.87	2,115.22	14.19	8.35	-54.29	-2,059.36	174.36	1,549.08	1,528.87	20.21	76.641		
2,400.00	2,216.92	2,189.73	2,158.55	15.35	8.66	-56.68	-2,053.71	191.25	1,505.86	1,484.20	21.66	69.519		
2,500.00	2,290.05	2,234.00	2,199.33	16.57	8.94	-59.03	-2,048.34	207.63	1,464.84	1,441.65	23.19	63.167		
2,600.00	2,360.76	2,283.45	2,244.83	17.83	9.27	-61.61	-2,042.29	226.03	1,426.44	1,401.57	24.87	57.361		
2,700.00	2,428.95	2,330.59	2,288.29	19.14	9.59	-64.11	-2,036.45	243.35	1,391.07	1,364.45	26.62	52.257		
2,800.00	2,494.55	2,363.43	2,318.63	20.50	9.81	-66.02	-2,032.52	255.28	1,359.48	1,331.16	28.32	47.996		
2,900.00	2,557.48	2,395.85	2,348.66	21.89	10.03	-67.87	-2,028.87	266.94	1,332.31	1,302.23	30.08	44.292		
3,000.00	2,618.26	2,429.12	2,379.55	23.33	10.26	-69.40	-2,025.36	278.78	1,310.30	1,278.44	31.87	41.119		
3,100.00	2,678.87	2,469.17	2,416.78	24.77	10.53	-71.07	-2,021.16	292.94	1,294.55	1,260.86	33.69	38.426		
3,200.00	2,739.49	2,509.09	2,453.91	26.22	10.80	-72.73	-2,016.88	306.97	1,285.30	1,249.85	35.45	36.257		
3,286.43	2,791.88	2,536.95	2,479.83	27.48	11.00	-73.89	-2,013.88	316.73	1,282.71	1,245.88	36.83	34.832 CC		
3,300.00	2,800.10	2,541.14	2,483.72	27.68	11.02	-74.07	-2,013.44	318.19	1,282.77	1,245.74	37.03	34.640 ES		
3,400.00	2,860.71	2,572.27	2,512.69	29.14	11.24	-75.36	-2,010.24	329.15	1,287.17	1,248.69	38.48	33.450		
3,500.00	2,921.32	2,608.00	2,545.93	30.60	11.49	-76.85	-2,006.75	341.77	1,298.41	1,258.56	39.84	32.587		
3,600.00	2,981.94	2,639.12	2,574.89	32.07	11.70	-78.14	-2,003.83	352.78	1,316.23	1,275.22	41.01	32.097		
3,700.00	3,042.55	2,675.12	2,608.40	33.54	11.95	-79.62	-2,000.50	365.52	1,340.32	1,298.24	42.08	31.851 SF		
3,800.00	3,103.16	2,711.63	2,642.39	35.01	12.21	-81.11	-1,997.19	378.43	1,370.33	1,327.31	43.02	31.853		
3,900.00	3,163.77	2,749.02	2,677.21	36.48	12.47	-82.63	-1,993.84	391.63	1,405.85	1,362.01	43.84	32.067		
4,000.00	3,224.39	2,786.56	2,712.18	37.96	12.74	-84.14	-1,990.50	404.87	1,446.46	1,401.92	44.55	32.471		
4,100.00	3,285.00	2,836.76	2,759.01	39.44	13.09	-86.14	-1,986.05	422.39	1,491.64	1,446.32	45.31	32.918		
4,200.00	3,345.61	2,892.78	2,811.48	40.92	13.48	-88.32	-1,981.06	441.35	1,540.65	1,494.58	46.07	33.444		
4,300.00	3,406.22	2,927.59	2,844.15	42.40	13.71	-89.66	-1,977.98	452.99	1,593.37	1,546.88	46.49	34.276		
4,400.00	3,466.84	2,963.92	2,878.23	43.88	13.97	-91.04	-1,974.84	465.17	1,649.63	1,602.76	46.87	35.197		
4,500.00	3,527.45	3,002.73	2,914.63	45.36	14.23	-92.49	-1,971.53	478.21	1,709.07	1,661.83	47.24	36.180		
4,600.00	3,588.06	3,043.68	2,953.06	46.84	14.52	-94.00	-1,967.84	491.90	1,771.28	1,723.69	47.60	37.213		
4,700.00	3,648.67	3,077.00	2,984.32	48.33	14.75	-95.21	-1,964.67	502.97	1,836.02	1,788.18	47.83	38.383		
4,800.00	3,709.29	3,101.37	3,007.15	49.81	14.92	-96.08	-1,962.25	511.15	1,903.25	1,855.31	47.94	39.703		
4,900.00	3,769.90	3,121.28	3,025.73	51.30	15.07	-96.79	-1,960.20	518.01	1,972.89	1,924.92	47.97	41.130		
5,000.00	3,830.51	3,140.48	3,043.59	52.78	15.20	-97.46	-1,958.18	524.75	2,044.70	1,996.73	47.98	42.617		
5,100.00	3,891.12	3,170.00	3,070.93	54.27	15.42	-98.49	-1,954.96	535.40	2,118.54	2,070.43	48.12	44.029		

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

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 96-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,200.00	3,951.74	3,194.10	3,093.22	55.76	15.59	-99.31	-1,952.28	544.17	2,194.01	2,145.83	48.19	45.533	
5,300.00	4,012.35	3,258.19	3,152.71	57.25	16.07	-101.46	-1,945.14	566.92	2,270.59	2,221.82	48.77	46.553	
5,400.00	4,072.96	3,294.68	3,186.68	58.73	16.33	-102.64	-1,941.14	579.64	2,348.15	2,299.14	49.01	47.914	
5,500.00	4,133.58	3,328.81	3,218.43	60.22	16.58	-103.72	-1,937.61	591.64	2,426.85	2,377.63	49.22	49.307	
5,600.00	4,194.19	3,365.49	3,252.55	61.71	16.85	-104.85	-1,934.02	604.63	2,506.57	2,457.10	49.47	50.665	
5,700.00	4,254.80	3,413.62	3,297.35	63.20	17.20	-106.29	-1,929.29	621.54	2,587.10	2,537.21	49.88	51.863	
5,800.00	4,315.41	3,462.00	3,342.50	64.69	17.55	-107.71	-1,924.36	638.24	2,668.28	2,617.98	50.30	53.049	
5,900.00	4,376.03	3,487.22	3,366.03	66.18	17.74	-108.43	-1,921.69	646.92	2,750.25	2,699.83	50.42	54.548	
6,000.00	4,436.64	3,515.83	3,392.69	67.67	17.94	-109.23	-1,918.56	656.79	2,833.00	2,782.42	50.59	56.001	
6,100.00	4,497.25	3,545.00	3,419.87	69.17	18.16	-110.04	-1,915.27	666.88	2,916.49	2,865.72	50.77	57.443	
6,200.00	4,557.86	3,602.56	3,473.53	70.66	18.57	-111.58	-1,908.95	686.73	3,000.49	2,949.16	51.33	58.458	
6,300.00	4,618.48	3,696.33	3,561.28	72.15	19.24	-113.94	-1,899.89	718.51	3,084.63	3,032.28	52.36	58.914	
6,400.00	4,679.09	3,804.36	3,663.26	73.64	19.99	-116.47	-1,891.31	753.06	3,167.84	3,114.28	53.57	59.136	
6,500.00	4,739.70	3,853.73	3,710.05	75.13	20.32	-117.56	-1,887.49	768.34	3,251.39	3,197.35	54.04	60.166	
6,600.00	4,800.31	3,871.58	3,726.95	76.62	20.44	-117.95	-1,886.02	773.92	3,335.59	3,281.46	54.13	61.627	
6,700.00	4,860.93	3,888.92	3,743.33	78.12	20.56	-118.32	-1,884.53	779.42	3,420.43	3,366.22	54.21	63.098	
6,800.00	4,921.54	3,920.00	3,772.59	79.61	20.77	-118.98	-1,881.70	789.50	3,505.94	3,451.48	54.47	64.368	
6,900.00	4,982.15	3,920.00	3,772.59	81.10	20.77	-118.98	-1,881.70	789.50	3,591.90	3,537.56	54.34	66.100	
7,000.00	5,042.76	3,952.47	3,803.08	82.60	21.00	-119.65	-1,878.63	800.22	3,678.38	3,623.75	54.63	67.333	
7,100.00	5,103.38	3,980.79	3,829.66	84.09	21.20	-120.22	-1,875.93	809.64	3,765.25	3,710.37	54.87	68.618	
7,200.00	5,163.99	4,014.00	3,860.78	85.58	21.44	-120.88	-1,872.73	820.77	3,852.48	3,797.30	55.18	69.813	
7,300.00	5,224.60	4,038.46	3,883.68	87.07	21.62	-121.35	-1,870.36	829.02	3,940.04	3,884.65	55.39	71.135	
7,400.00	5,285.21	4,068.24	3,911.55	88.57	21.83	-121.92	-1,867.44	839.10	4,027.90	3,972.24	55.67	72.358	
7,500.00	5,345.83	4,107.00	3,947.80	90.06	22.11	-122.63	-1,863.58	852.27	4,116.07	4,060.00	56.07	73.416	
7,600.00	5,406.44	4,133.72	3,972.79	91.56	22.31	-123.12	-1,860.88	861.35	4,204.46	4,148.15	56.31	74.662	
7,700.00	5,467.05	4,172.69	4,009.23	93.05	22.59	-123.81	-1,856.88	874.53	4,293.05	4,236.33	56.72	75.686	
7,800.00	5,527.66	4,201.00	4,035.73	94.54	22.79	-124.30	-1,853.93	884.06	4,381.81	4,324.81	57.00	76.877	
7,900.00	5,588.28	4,232.18	4,064.90	96.04	23.02	-124.83	-1,850.66	894.60	4,470.80	4,413.48	57.32	78.003	
8,000.00	5,648.89	4,256.45	4,087.56	97.53	23.20	-125.23	-1,848.15	902.92	4,560.05	4,502.50	57.55	79.235	
8,100.00	5,709.50	4,295.00	4,123.49	99.03	23.48	-125.85	-1,844.20	916.31	4,649.59	4,591.62	57.98	80.197	
8,200.00	5,770.11	4,295.00	4,123.49	100.52	23.48	-125.85	-1,844.20	916.31	4,739.31	4,681.41	57.91	81.844	
8,300.00	5,830.73	4,328.64	4,154.78	102.02	23.73	-126.38	-1,840.78	928.17	4,829.26	4,770.98	58.28	82.859	
8,400.00	5,891.34	4,352.51	4,176.96	103.51	23.91	-126.74	-1,838.36	936.67	4,919.44	4,860.91	58.54	84.043	
8,500.00	5,951.95	4,388.00	4,209.87	105.01	24.18	-127.27	-1,834.79	949.46	5,009.84	4,950.90	58.95	84.991	
8,600.00	6,012.57	4,405.10	4,225.71	106.50	24.31	-127.52	-1,833.07	955.66	5,100.39	5,041.27	59.12	86.274	
8,700.00	6,073.18	4,439.59	4,257.66	108.00	24.58	-128.01	-1,829.63	968.19	5,191.07	5,131.55	59.53	87.205	
8,800.00	6,133.79	4,474.09	4,289.60	109.49	24.84	-128.49	-1,826.21	980.76	5,281.87	5,221.93	59.94	88.120	
8,900.00	6,194.40	4,513.04	4,325.68	110.98	25.14	-129.02	-1,822.37	994.95	5,372.74	5,312.33	60.42	88.930	
9,000.00	6,255.02	4,553.41	4,363.09	112.48	25.45	-129.55	-1,818.36	1,009.59	5,463.68	5,402.77	60.91	89.697	
9,100.00	6,315.63	4,576.00	4,384.02	113.98	25.62	-129.84	-1,816.10	1,017.75	5,554.69	5,493.52	61.18	90.799	
9,200.00	6,376.24	4,576.00	4,384.02	115.47	25.62	-129.84	-1,816.10	1,017.75	5,645.97	5,584.83	61.14	92.343	
9,300.00	6,436.85	4,614.49	4,419.66	116.97	25.92	-130.33	-1,812.10	1,031.72	5,737.25	5,675.63	61.62	93.106	
9,400.00	6,497.47	4,651.62	4,455.13	118.46	26.31	-148.73	-1,692.98	1,414.68	5,821.90	5,739.52	82.38	70.671	
9,500.00	6,558.08	4,689.93	4,491.43	119.96	26.46	-149.19	-1,693.51	1,413.49	5,895.45	5,812.47	82.98	71.050	
9,600.00	6,618.69	4,728.24	4,527.66	121.45	26.52	-149.36	-1,693.75	1,413.03	5,969.11	5,885.82	83.29	71.666	
9,700.00	6,679.30	4,767.55	4,563.89	122.95	26.61	-149.60	-1,693.98	1,412.46	6,043.11	5,959.43	83.69	72.211	
9,800.00	6,739.92	4,806.86	4,600.12	124.44	26.72	-149.90	-1,693.86	1,412.17	6,117.81	6,033.67	84.14	72.711	
9,900.00	6,799.82	4,846.17	4,636.41	125.94	26.72	-150.44	-1,693.86	1,412.17	6,193.94	6,109.66	84.28	73.492	
10,000.00	6,854.86	4,885.48	4,671.96	127.46	27.03	-176.42	-1,694.00	1,411.44	6,276.39	6,191.11	85.28	73.598	
10,100.00	6,909.25	4,924.79	4,707.51	128.98	27.24	-181.14	-1,694.96	1,410.11	6,363.00	6,277.04	85.96	74.024	
10,200.00	6,963.63	4,964.10	4,743.06	130.50	27.35	-181.06	-1,695.65	1,409.12	6,451.61	6,365.31	86.30	74.759	
10,300.00	6,972.70	4,973.21	4,752.17	132.02	27.41	-181.06	-1,696.05	1,408.62	6,539.95	6,453.54	86.41	75.687	

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 36-T7N-R67W - EXIST HZ SCHNEIDER 16-36 - Wellbore #1 - Wellbore #1		Offset Site Error: 0.00 usft	
Survey Program: 96-MWD													Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)					
10,400.00	6,992.24	7,361.95	7,104.40	133.85	37.45	104.71	-1,696.32	1,408.31	6,625.55	6,539.15	86.40	76.687				
10,500.00	7,000.67	7,370.98	7,113.42	135.10	37.47	93.83	-1,696.45	1,408.18	6,706.05	6,619.76	86.29	77.717				
10,600.00	7,001.00	7,372.63	7,115.07	136.21	37.47	91.86	-1,696.48	1,408.15	6,781.85	6,695.71	86.14	78.734				
10,700.00	7,001.00	7,373.96	7,116.41	137.35	37.48	91.87	-1,696.50	1,408.13	6,858.03	6,772.02	86.01	79.738				
10,800.00	7,001.00	7,375.29	7,117.73	138.52	37.48	91.89	-1,696.52	1,408.11	6,934.82	6,848.92	85.90	80.732				
10,900.00	7,001.00	7,376.60	7,119.05	139.72	37.48	91.91	-1,696.54	1,408.09	7,012.19	6,926.38	85.81	81.716				
11,000.00	7,001.00	7,377.91	7,120.35	140.95	37.48	91.92	-1,696.56	1,408.07	7,090.13	7,004.38	85.74	82.692				
11,100.00	7,001.00	7,379.20	7,121.65	142.22	37.49	91.94	-1,696.58	1,408.05	7,168.61	7,082.92	85.69	83.658				
11,200.00	7,001.00	7,380.49	7,122.93	143.52	37.49	91.96	-1,696.60	1,408.03	7,247.63	7,161.97	85.65	84.615				
11,300.00	7,001.00	7,387.00	7,129.44	144.85	37.50	92.04	-1,696.69	1,407.94	7,327.16	7,241.49	85.67	85.530				
11,400.00	7,001.00	7,387.00	7,129.44	146.21	37.50	92.04	-1,696.69	1,407.94	7,407.18	7,321.52	85.65	86.477				
11,500.00	7,001.00	7,387.00	7,129.44	147.61	37.50	92.04	-1,696.69	1,407.94	7,487.68	7,402.03	85.66	87.416				
11,600.00	7,001.00	7,387.00	7,129.44	149.03	37.50	92.04	-1,696.69	1,407.94	7,568.65	7,482.98	85.67	88.347				
11,700.00	7,001.00	7,387.00	7,129.44	150.49	37.50	92.04	-1,696.69	1,407.94	7,650.07	7,564.37	85.70	89.270				
11,800.00	7,001.00	7,387.00	7,129.44	151.98	37.50	92.04	-1,696.69	1,407.94	7,731.92	7,646.19	85.73	90.186				
11,900.00	7,001.00	7,387.00	7,129.44	153.50	37.50	92.04	-1,696.69	1,407.94	7,814.20	7,728.42	85.78	91.094				
12,000.00	7,001.00	7,387.00	7,129.44	155.05	37.50	92.04	-1,696.69	1,407.94	7,896.88	7,811.04	85.84	91.996				
12,100.00	7,001.00	7,387.00	7,129.44	156.62	37.50	92.04	-1,696.69	1,407.94	7,979.96	7,894.06	85.91	92.891				
12,200.00	7,001.00	7,387.00	7,129.44	158.23	37.50	92.04	-1,696.69	1,407.94	8,063.43	7,977.45	85.98	93.780				
12,300.00	7,001.00	7,387.00	7,129.44	159.87	37.50	92.04	-1,696.69	1,407.94	8,147.27	8,061.20	86.07	94.663				
12,400.00	7,001.00	7,395.17	7,137.61	161.53	37.52	92.15	-1,696.82	1,407.82	8,231.46	8,145.25	86.21	95.483				
12,500.00	7,001.00	7,396.33	7,138.77	163.22	37.52	92.16	-1,696.84	1,407.81	8,316.01	8,229.70	86.31	96.345				
12,600.00	7,001.00	7,397.48	7,139.92	164.94	37.53	92.18	-1,696.86	1,407.79	8,400.90	8,314.47	86.43	97.203				
12,700.00	7,001.00	4,201.00	4,035.73	166.69	22.79	55.41	-1,853.93	884.06	8,481.00	8,419.23	61.77	137.308				
12,800.00	7,001.00	4,201.00	4,035.73	168.46	22.79	55.41	-1,853.93	884.06	8,560.47	8,498.38	62.10	137.857				
12,900.00	7,001.00	4,171.54	4,008.16	170.26	22.58	55.14	-1,857.00	874.14	8,640.33	8,578.16	62.17	138.976				
13,000.00	7,001.00	4,130.31	3,969.59	172.08	22.28	54.76	-1,861.23	860.19	8,720.45	8,658.30	62.15	140.310				
13,100.00	7,001.00	4,107.00	3,947.80	173.92	22.11	54.55	-1,863.58	852.27	8,800.84	8,738.55	62.29	141.282				
13,200.00	7,001.00	4,075.17	3,918.04	175.79	21.88	54.26	-1,866.75	841.45	8,881.51	8,819.14	62.37	142.407				
13,300.00	7,001.00	4,053.22	3,897.50	177.68	21.72	54.07	-1,868.92	834.01	8,962.49	8,899.96	62.53	143.331				
13,400.00	7,001.00	4,031.40	3,877.07	179.60	21.57	53.87	-1,871.05	826.64	9,043.77	8,981.08	62.70	144.245				
13,500.00	7,001.00	4,014.00	3,860.78	181.53	21.44	53.72	-1,872.73	820.77	9,125.35	9,062.45	62.90	145.069				
13,600.00	7,001.00	3,992.01	3,840.17	183.49	21.28	53.52	-1,874.85	813.39	9,207.22	9,144.14	63.08	145.970				
13,700.00	7,001.00	3,973.86	3,823.15	185.47	21.15	53.36	-1,876.59	807.33	9,289.37	9,226.09	63.28	146.796				
13,800.00	7,001.00	3,955.86	3,806.26	187.47	21.03	53.21	-1,878.31	801.34	9,371.81	9,308.32	63.49	147.615				
13,900.00	7,001.00	3,920.00	3,772.59	189.49	20.77	52.89	-1,881.70	789.50	9,454.56	9,391.00	63.56	148.747				
14,000.00	7,001.00	3,920.00	3,772.59	191.53	20.77	52.89	-1,881.70	789.50	9,537.51	9,473.60	63.91	149.239				
14,100.00	7,001.00	3,920.00	3,772.59	193.58	20.77	52.89	-1,881.70	789.50	9,620.79	9,556.54	64.25	149.738				
14,200.00	7,001.00	3,920.00	3,772.59	195.66	20.77	52.89	-1,881.70	789.50	9,704.38	9,639.79	64.59	150.242				
14,300.00	7,001.00	3,920.00	3,772.59	197.75	20.77	52.89	-1,881.70	789.50	9,788.28	9,723.35	64.93	150.752				
14,400.00	7,001.00	3,920.00	3,772.59	199.85	20.77	52.89	-1,881.70	789.50	9,872.48	9,807.21	65.26	151.269				
14,500.00	7,001.00	3,920.00	3,772.59	201.98	20.77	52.89	-1,881.70	789.50	9,956.97	9,891.38	65.60	151.792				
14,600.00	7,001.00	3,878.35	3,733.34	204.12	20.49	52.53	-1,885.45	776.05	10,041.34	9,975.71	65.63	152.989				

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 94-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	123.51	123.49	0.27	0.26	-178.38	-2,114.86	-59.85	2,116.36	2,115.83	0.52	4,042.324		
200.00	200.00	263.63	263.50	0.63	0.76	-178.32	-2,110.17	-61.98	2,113.11	2,111.72	1.39	1,524.232		
300.00	300.00	432.16	431.71	0.99	1.37	-178.38	-2,100.34	-59.39	2,107.31	2,104.96	2.35	896.071		
400.00	399.98	603.82	602.35	1.33	2.03	-27.01	-2,084.27	-50.18	2,096.12	2,092.80	3.33	629.679		
500.00	499.84	788.84	785.07	1.67	2.79	-27.74	-2,060.20	-34.21	2,078.18	2,073.80	4.38	474.028		
600.00	599.45	1,009.85	1,000.04	2.03	3.85	-29.19	-2,021.31	-1.21	2,052.95	2,047.29	5.65	363.051		
700.00	698.70	1,165.53	1,149.58	2.41	4.69	-30.58	-1,986.03	23.80	2,019.66	2,012.97	6.69	301.785		
800.00	797.47	1,268.94	1,248.76	2.81	5.27	-31.74	-1,961.18	39.32	1,982.82	1,975.31	7.51	263.883		
900.00	895.62	1,363.06	1,338.78	3.25	5.81	-33.01	-1,938.03	54.03	1,942.99	1,934.67	8.31	233.675		
1,000.00	993.06	1,435.16	1,407.79	3.72	6.23	-34.22	-1,920.39	65.25	1,900.96	1,891.92	9.04	210.218		
1,100.00	1,089.64	1,503.65	1,473.40	4.23	6.62	-35.53	-1,904.36	76.58	1,857.65	1,847.87	9.78	189.906		
1,200.00	1,185.27	1,585.25	1,551.56	4.78	7.10	-37.15	-1,885.53	90.62	1,812.63	1,802.02	10.61	170.820		
1,300.00	1,279.82	1,662.68	1,625.79	5.38	7.55	-38.89	-1,867.81	103.65	1,765.89	1,754.44	11.45	154.159		
1,400.00	1,373.17	1,724.59	1,685.28	6.03	7.90	-40.55	-1,854.00	113.81	1,717.93	1,705.66	12.27	140.013		
1,500.00	1,465.21	1,792.48	1,750.61	6.73	8.29	-42.47	-1,839.54	125.33	1,669.30	1,656.14	13.16	126.857		
1,600.00	1,555.84	1,874.31	1,829.22	7.48	8.76	-44.88	-1,821.94	139.68	1,619.32	1,605.16	14.17	114.301		
1,700.00	1,644.94	1,944.44	1,896.66	8.28	9.16	-47.26	-1,806.88	151.66	1,568.38	1,553.19	15.19	103.269		
1,800.00	1,732.39	2,008.54	1,958.41	9.13	9.52	-49.69	-1,793.38	162.29	1,516.99	1,500.74	16.25	93.347		
1,900.00	1,818.11	2,083.52	2,030.65	10.04	9.95	-52.62	-1,777.78	174.90	1,465.49	1,448.04	17.45	83.995		
2,000.00	1,901.97	2,165.15	2,109.06	11.00	10.42	-56.05	-1,759.79	188.79	1,413.25	1,394.48	18.77	75.288		
2,100.00	1,983.88	2,230.17	2,171.55	12.01	10.80	-59.19	-1,745.29	199.38	1,361.30	1,341.17	20.13	67.627		
2,200.00	2,063.74	2,284.14	2,223.54	13.07	11.11	-62.12	-1,733.46	207.79	1,310.50	1,288.95	21.55	60.815		
2,300.00	2,141.45	2,336.65	2,274.21	14.19	11.40	-65.11	-1,722.32	215.81	1,261.61	1,238.53	23.08	54.655		
2,400.00	2,216.92	2,388.85	2,324.61	15.35	11.70	-68.19	-1,711.37	223.94	1,215.16	1,190.41	24.74	49.110		
2,500.00	2,290.05	2,439.30	2,373.25	16.57	11.98	-71.27	-1,700.79	232.11	1,171.84	1,145.32	26.52	44.180		
2,600.00	2,360.76	2,489.24	2,421.39	17.83	12.26	-74.37	-1,690.30	240.28	1,132.37	1,103.95	28.42	39.843		
2,700.00	2,428.95	2,536.35	2,466.78	19.14	12.53	-77.33	-1,680.35	248.02	1,097.57	1,067.17	30.40	36.106		
2,800.00	2,494.55	2,580.16	2,508.94	20.50	12.79	-80.10	-1,670.98	255.32	1,068.36	1,035.94	32.42	32.954		
2,900.00	2,557.48	2,618.80	2,546.10	21.89	13.01	-82.52	-1,662.61	261.85	1,045.67	1,011.25	34.42	30.379		
3,000.00	2,618.26	2,652.09	2,578.10	23.33	13.20	-84.37	-1,655.41	267.57	1,030.55	994.22	36.33	28.367		
3,100.00	2,678.87	2,685.20	2,609.92	24.77	13.39	-86.10	-1,648.31	273.36	1,023.79	985.70	38.09	26.880		
3,129.02	2,696.46	2,694.81	2,619.15	25.19	13.45	-86.60	-1,646.26	275.06	1,023.42	984.86	38.56	26.540 CC, ES		
3,200.00	2,739.49	2,718.27	2,641.67	26.22	13.59	-87.82	-1,641.22	279.27	1,025.59	985.94	39.64	25.869		
3,300.00	2,800.10	2,749.31	2,671.35	27.68	13.78	-89.44	-1,634.24	285.08	1,035.96	995.01	40.95	25.298		
3,400.00	2,860.71	2,777.95	2,698.61	29.14	13.96	-90.95	-1,627.49	290.70	1,054.76	1,012.79	41.97	25.130 SF		
3,500.00	2,921.32	2,807.36	2,726.48	30.60	14.14	-92.49	-1,620.26	296.71	1,081.66	1,038.91	42.75	25.304		
3,600.00	2,981.94	2,842.21	2,759.48	32.07	14.36	-94.31	-1,611.61	303.81	1,115.94	1,072.60	43.34	25.748		
3,700.00	3,042.55	2,877.26	2,792.68	33.54	14.58	-96.12	-1,602.90	310.89	1,156.89	1,113.15	43.74	26.450		
3,800.00	3,103.16	2,918.40	2,831.71	35.01	14.84	-98.22	-1,592.75	319.02	1,203.77	1,159.74	44.03	27.340		
3,900.00	3,163.77	2,965.13	2,876.22	36.48	15.13	-100.56	-1,581.57	327.86	1,255.68	1,211.43	44.25	28.377		
4,000.00	3,224.39	3,003.13	2,912.53	37.96	15.37	-102.42	-1,572.74	334.77	1,312.01	1,267.70	44.30	29.614		
4,100.00	3,285.00	3,034.88	2,942.88	39.44	15.56	-103.95	-1,565.45	340.61	1,372.47	1,328.23	44.24	31.025		
4,200.00	3,345.61	3,066.73	2,973.32	40.92	15.75	-105.46	-1,558.22	346.56	1,436.59	1,392.45	44.13	32.550		
4,300.00	3,406.22	3,100.98	3,006.06	42.40	15.96	-107.05	-1,550.54	353.04	1,503.86	1,459.83	44.03	34.154		
4,400.00	3,466.84	3,136.86	3,040.38	43.88	16.17	-108.67	-1,542.64	359.87	1,573.82	1,529.88	43.94	35.820		
4,500.00	3,527.45	3,173.63	3,075.59	45.36	16.39	-110.30	-1,534.72	366.92	1,646.10	1,602.24	43.86	37.534		
4,600.00	3,588.06	3,214.51	3,114.77	46.84	16.64	-112.05	-1,525.99	374.71	1,720.35	1,676.52	43.82	39.258		
4,700.00	3,648.67	3,255.80	3,154.36	48.33	16.88	-113.77	-1,517.20	382.46	1,796.27	1,752.46	43.80	41.008		
4,800.00	3,709.29	3,296.47	3,193.38	49.81	17.12	-115.41	-1,508.59	390.00	1,873.65	1,829.86	43.79	42.785		
4,900.00	3,769.90	3,337.55	3,232.83	51.30	17.36	-117.01	-1,500.02	397.58	1,952.34	1,908.53	43.80	44.569		
5,000.00	3,830.51	3,384.13	3,277.61	52.78	17.64	-118.77	-1,490.40	406.08	2,032.12	1,988.23	43.89	46.303		
5,100.00	3,891.12	3,435.93	3,327.47	54.27	17.93	-120.65	-1,479.57	415.06	2,112.74	2,068.71	44.03	47.984		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 94-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,951.74	3,518.20	3,406.86	55.76	18.40	-123.50	-1,462.44	428.19	2,193.90	2,149.44	44.46	49.351		
5,300.00	4,012.35	3,544.55	3,432.37	57.25	18.54	-124.37	-1,457.16	432.06	2,275.38	2,230.98	44.40	51.248		
5,400.00	4,072.96	3,584.33	3,470.88	58.73	18.77	-125.65	-1,449.13	438.00	2,357.66	2,313.18	44.48	53.006		
5,500.00	4,133.58	3,606.08	3,491.89	60.22	18.89	-126.33	-1,444.63	441.41	2,441.02	2,396.61	44.41	54.962		
5,600.00	4,194.19	3,639.00	3,523.60	61.71	19.07	-127.33	-1,437.67	446.81	2,525.31	2,480.85	44.46	56.797		
5,700.00	4,254.80	3,671.22	3,554.63	63.20	19.26	-128.29	-1,430.82	452.14	2,610.25	2,565.73	44.52	58.630		
5,800.00	4,315.41	3,750.06	3,630.77	64.69	19.71	-130.52	-1,414.53	464.51	2,695.32	2,650.30	45.02	59.869		
5,900.00	4,376.03	3,793.60	3,672.91	66.18	19.94	-131.68	-1,405.79	471.15	2,780.59	2,735.38	45.21	61.503		
6,000.00	4,436.64	3,826.00	3,704.29	67.67	20.12	-132.52	-1,399.40	476.05	2,866.16	2,820.85	45.31	63.251		
6,100.00	4,497.25	3,865.59	3,742.63	69.17	20.34	-133.51	-1,391.51	482.02	2,952.14	2,906.64	45.50	64.888		
6,200.00	4,557.86	3,893.83	3,769.94	70.66	20.50	-134.19	-1,385.72	486.29	3,038.64	2,993.05	45.58	66.664		
6,300.00	4,618.48	3,920.00	3,795.21	72.15	20.64	-134.82	-1,380.23	490.24	3,125.60	3,079.94	45.66	68.458		
6,400.00	4,679.09	3,947.62	3,821.87	73.64	20.80	-135.47	-1,374.35	494.47	3,213.00	3,167.24	45.76	70.218		
6,500.00	4,739.70	3,973.42	3,846.74	75.13	20.95	-136.06	-1,368.81	498.50	3,300.82	3,254.97	45.85	71.992		
6,600.00	4,800.31	3,998.81	3,871.20	76.62	21.09	-136.62	-1,363.31	502.55	3,389.03	3,343.09	45.95	73.758		
6,700.00	4,860.93	4,014.00	3,885.82	78.12	21.18	-136.95	-1,360.00	505.00	3,477.64	3,431.68	45.96	75.669		
6,800.00	4,921.54	4,052.34	3,922.69	79.61	21.40	-137.77	-1,351.59	511.29	3,566.52	3,520.32	46.20	77.203		
6,900.00	4,982.15	4,079.42	3,948.71	81.10	21.56	-138.33	-1,345.59	515.80	3,655.72	3,609.39	46.34	78.895		
7,000.00	5,042.76	4,107.00	3,975.19	82.60	21.72	-138.89	-1,339.44	520.44	3,745.21	3,698.72	46.49	80.561		
7,100.00	5,103.38	4,180.66	4,045.99	84.09	22.15	-140.32	-1,323.14	532.59	3,834.75	3,787.67	47.09	81.441		
7,200.00	5,163.99	4,224.37	4,088.07	85.58	22.40	-141.13	-1,313.62	539.54	3,924.19	3,876.79	47.41	82.780		
7,300.00	5,224.60	4,255.81	4,118.34	87.07	22.58	-141.69	-1,306.78	544.60	4,013.82	3,966.21	47.62	84.296		
7,400.00	5,285.21	4,287.10	4,148.46	88.57	22.76	-142.23	-1,299.99	549.70	4,103.65	4,055.82	47.83	85.793		
7,500.00	5,345.83	4,322.84	4,182.86	90.06	22.97	-142.83	-1,292.29	555.63	4,193.64	4,145.55	48.10	87.189		
7,600.00	5,406.44	4,360.43	4,219.03	91.56	23.19	-143.44	-1,284.38	562.07	4,283.76	4,235.37	48.39	88.522		
7,700.00	5,467.05	4,389.00	4,246.54	93.05	23.35	-143.88	-1,278.50	567.09	4,374.00	4,325.39	48.61	89.987		
7,800.00	5,527.66	4,422.03	4,278.32	94.54	23.55	-144.37	-1,271.71	572.98	4,464.39	4,415.52	48.87	91.350		
7,900.00	5,588.28	4,448.14	4,303.43	96.04	23.70	-144.76	-1,266.27	577.66	4,554.97	4,505.90	49.07	92.821		
8,000.00	5,648.89	4,482.00	4,335.96	97.53	23.90	-145.24	-1,259.11	583.74	4,645.75	4,596.39	49.35	94.131		
8,100.00	5,709.50	4,512.08	4,364.85	99.03	24.07	-145.66	-1,252.72	589.16	4,736.64	4,687.04	49.60	95.490		
8,200.00	5,770.11	4,556.44	4,407.47	100.52	24.33	-146.27	-1,243.39	597.15	4,827.58	4,777.58	50.00	96.554		
8,300.00	5,830.73	4,576.00	4,426.27	102.02	24.45	-146.52	-1,239.30	600.68	4,918.59	4,868.44	50.15	98.069		
8,400.00	5,891.34	4,609.12	4,458.09	103.51	24.64	-146.95	-1,232.39	606.77	5,009.72	4,959.27	50.45	99.301		
8,500.00	5,951.95	4,629.98	4,478.10	105.01	24.77	-147.21	-1,228.03	610.71	5,101.06	5,050.43	50.63	100.756		
8,600.00	6,012.57	4,670.00	4,516.45	106.50	25.00	-147.69	-1,219.64	618.50	5,192.63	5,141.63	51.00	101.808		
8,700.00	6,073.18	4,722.24	4,566.59	108.00	25.31	-148.30	-1,209.00	628.53	5,283.99	5,232.48	51.51	102.587		
8,800.00	6,133.79	6,331.06	6,149.12	109.49	31.83	-160.11	-1,035.25	763.06	5,370.39	5,305.13	65.27	82.283		
8,900.00	6,194.40	6,390.40	6,208.46	110.98	31.96	-160.39	-1,035.37	762.46	5,447.58	5,381.79	65.78	82.813		
9,000.00	6,255.02	6,450.00	6,268.06	112.48	32.10	-160.65	-1,035.50	761.92	5,524.85	5,458.55	66.30	83.331		
9,100.00	6,315.63	6,509.85	6,327.91	113.98	32.23	-160.91	-1,035.65	761.42	5,602.19	5,535.36	66.82	83.835		
9,200.00	6,376.24	6,571.43	6,389.48	115.47	32.38	-161.17	-1,035.82	760.91	5,679.57	5,612.21	67.36	84.313		
9,300.00	6,436.85	6,632.54	6,450.59	116.97	32.52	-161.42	-1,035.99	760.40	5,757.00	5,689.10	67.90	84.786		
9,400.00	6,497.47	6,718.66	6,536.70	118.46	32.72	-161.77	-1,036.32	759.53	5,834.35	5,765.73	68.62	85.025		
9,500.00	6,558.08	6,788.01	6,606.04	119.96	32.88	-162.04	-1,036.68	758.60	5,911.56	5,842.33	69.22	85.402		
9,600.00	6,618.69	6,856.81	6,674.84	121.45	33.04	-162.30	-1,037.05	757.59	5,988.74	5,918.92	69.82	85.775		
9,700.00	6,679.30	6,927.19	6,745.21	122.95	33.20	-162.56	-1,037.52	756.49	6,065.88	5,995.45	70.43	86.124		
9,800.00	6,739.92	6,988.57	6,806.58	124.44	33.34	-162.78	-1,037.96	755.52	6,143.02	6,072.03	70.98	86.543		
9,900.00	6,799.82	7,059.14	6,877.14	125.96	33.51	-172.81	-1,038.52	754.40	6,221.07	6,149.47	71.60	86.881		
10,000.00	6,854.86	7,125.31	6,943.29	127.56	33.66	-167.83	-1,039.23	753.38	6,303.38	6,231.18	72.20	87.304		
10,100.00	6,902.95	7,174.98	6,992.96	129.22	33.77	-147.52	-1,039.80	752.62	6,388.24	6,315.58	72.65	87.928		
10,200.00	6,942.63	7,214.31	7,032.28	130.85	33.87	-128.43	-1,040.25	752.01	6,473.21	6,400.22	72.99	88.683		
10,300.00	6,972.70	7,242.31	7,060.27	132.42	33.93	-112.64	-1,040.56	751.59	6,555.95	6,482.73	73.21	89.546		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 94-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	6,992.24	7,260.96	7,078.92	133.85	33.98	100.91	-1,040.75	751.31	6,634.20	6,560.85	73.34	90.454	
10,500.00	7,000.67	7,269.73	7,087.69	135.10	34.00	92.80	-1,040.84	751.18	6,705.87	6,632.46	73.41	91.351	
10,600.00	7,001.00	7,271.32	7,089.28	136.21	34.00	91.33	-1,040.86	751.16	6,772.00	6,698.54	73.46	92.191	
10,700.00	7,001.00	7,272.61	7,090.57	137.35	34.00	91.34	-1,040.87	751.14	6,838.68	6,765.14	73.54	92.994	
10,800.00	7,001.00	7,273.90	7,091.86	138.52	34.01	91.35	-1,040.89	751.12	6,906.16	6,832.51	73.65	93.769	
10,900.00	7,001.00	7,275.19	7,093.15	139.72	34.01	91.37	-1,040.90	751.10	6,974.42	6,900.63	73.79	94.517	
11,000.00	7,001.00	7,276.47	7,094.43	140.95	34.01	91.38	-1,040.91	751.08	7,043.44	6,969.49	73.96	95.238	
11,100.00	7,001.00	7,277.75	7,095.71	142.22	34.02	91.40	-1,040.92	751.06	7,113.20	7,039.06	74.15	95.935	
11,200.00	7,001.00	7,279.03	7,096.99	143.52	34.02	91.41	-1,040.94	751.04	7,183.67	7,109.31	74.36	96.609	
11,300.00	7,001.00	7,280.31	7,098.27	144.85	34.02	91.43	-1,040.95	751.03	7,254.84	7,180.25	74.59	97.262	
11,400.00	7,001.00	7,281.59	7,099.55	146.21	34.03	91.44	-1,040.96	751.01	7,326.68	7,251.84	74.84	97.896	
11,500.00	7,001.00	7,282.86	7,100.82	147.61	34.03	91.46	-1,040.97	750.99	7,399.17	7,324.06	75.11	98.511	
11,600.00	7,001.00	7,284.14	7,102.10	149.03	34.03	91.47	-1,040.99	750.97	7,472.30	7,396.90	75.39	99.110	
11,700.00	7,001.00	7,285.41	7,103.37	150.49	34.03	91.48	-1,041.00	750.95	7,546.04	7,470.35	75.69	99.693	
11,800.00	7,001.00	7,286.68	7,104.64	151.98	34.04	91.50	-1,041.01	750.93	7,620.38	7,544.38	76.00	100.263	
11,900.00	7,001.00	7,293.00	7,110.96	153.50	34.05	91.57	-1,041.07	750.84	7,695.31	7,618.94	76.36	100.770	
12,000.00	7,001.00	7,293.00	7,110.96	155.05	34.05	91.57	-1,041.07	750.84	7,770.79	7,694.11	76.69	101.329	
12,100.00	7,001.00	7,293.00	7,110.96	156.62	34.05	91.57	-1,041.07	750.84	7,846.83	7,769.81	77.02	101.878	
12,200.00	7,001.00	7,293.00	7,110.96	158.23	34.05	91.57	-1,041.07	750.84	7,923.40	7,846.03	77.36	102.418	
12,300.00	7,001.00	7,293.00	7,110.96	159.87	34.05	91.57	-1,041.07	750.84	8,000.48	7,922.77	77.71	102.950	
12,400.00	7,001.00	7,293.00	7,110.96	161.53	34.05	91.57	-1,041.07	750.84	8,078.07	8,000.00	78.07	103.475	
12,500.00	7,001.00	7,293.00	7,110.96	163.22	34.05	91.57	-1,041.07	750.84	8,156.14	8,077.71	78.43	103.995	
12,600.00	7,001.00	7,293.00	7,110.96	164.94	34.05	91.57	-1,041.07	750.84	8,234.69	8,155.90	78.79	104.509	
12,700.00	7,001.00	7,293.00	7,110.96	166.69	34.05	91.57	-1,041.07	750.84	8,313.70	8,234.54	79.16	105.019	
12,800.00	7,001.00	7,293.00	7,110.96	168.46	34.05	91.57	-1,041.07	750.84	8,393.16	8,313.62	79.54	105.525	
12,900.00	7,001.00	7,293.00	7,110.96	170.26	34.05	91.57	-1,041.07	750.84	8,473.05	8,393.14	79.91	106.029	
13,000.00	7,001.00	7,293.00	7,110.96	172.08	34.05	91.57	-1,041.07	750.84	8,553.37	8,473.08	80.29	106.530	
13,100.00	7,001.00	7,293.00	7,110.96	173.92	34.05	91.57	-1,041.07	750.84	8,634.09	8,553.42	80.67	107.030	
13,200.00	7,001.00	7,293.00	7,110.96	175.79	34.05	91.57	-1,041.07	750.84	8,715.22	8,634.17	81.05	107.529	
13,300.00	7,001.00	7,293.00	7,110.96	177.68	34.05	91.57	-1,041.07	750.84	8,796.73	8,715.30	81.43	108.026	
13,400.00	7,001.00	7,293.00	7,110.96	179.60	34.05	91.57	-1,041.07	750.84	8,878.63	8,796.81	81.81	108.523	
13,500.00	7,001.00	7,293.00	7,110.96	181.53	34.05	91.57	-1,041.07	750.84	8,960.89	8,878.69	82.19	109.021	
13,600.00	7,001.00	7,293.00	7,110.96	183.49	34.05	91.57	-1,041.07	750.84	9,043.50	8,960.93	82.58	109.519	
13,700.00	7,001.00	7,293.00	7,110.96	185.47	34.05	91.57	-1,041.07	750.84	9,126.47	9,043.51	82.96	110.017	
13,800.00	7,001.00	7,293.00	7,110.96	187.47	34.05	91.57	-1,041.07	750.84	9,209.77	9,126.44	83.33	110.516	
13,900.00	7,001.00	7,293.00	7,110.96	189.49	34.05	91.57	-1,041.07	750.84	9,293.41	9,209.70	83.71	111.017	
14,000.00	7,001.00	7,293.00	7,110.96	191.53	34.05	91.57	-1,041.07	750.84	9,377.36	9,293.27	84.09	111.519	
14,100.00	7,001.00	7,293.00	7,110.96	193.58	34.05	91.57	-1,041.07	750.84	9,461.63	9,377.16	84.46	112.022	
14,200.00	7,001.00	7,293.00	7,110.96	195.66	34.05	91.57	-1,041.07	750.84	9,546.20	9,461.36	84.83	112.527	
14,300.00	7,001.00	7,293.00	7,110.96	197.75	34.05	91.57	-1,041.07	750.84	9,631.06	9,545.86	85.20	113.035	
14,400.00	7,001.00	7,293.00	7,110.96	199.85	34.05	91.57	-1,041.07	750.84	9,716.21	9,630.64	85.57	113.544	
14,500.00	7,001.00	7,293.00	7,110.96	201.98	34.05	91.57	-1,041.07	750.84	9,801.65	9,715.71	85.94	114.055	
14,600.00	7,001.00	7,293.00	7,110.96	204.12	34.05	91.57	-1,041.07	750.84	9,887.36	9,801.05	86.30	114.568	
14,700.00	7,001.00	7,293.00	7,110.96	206.27	34.05	91.57	-1,041.07	750.84	9,973.33	9,886.67	86.66	115.084	
14,800.00	7,001.00	7,313.54	7,131.49	208.45	34.10	91.80	-1,041.27	750.56	10,059.52	9,972.37	87.15	115.423	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 40-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	58.61	58.61	0.27	0.11	-177.41	-1,708.75	-77.18	1,710.52	1,710.14	0.38	4,470.197		
200.00	200.00	140.38	140.37	0.63	0.41	-177.38	-1,709.56	-78.18	1,711.57	1,710.54	1.04	1,652.784		
300.00	300.00	234.51	234.42	0.99	0.75	-177.27	-1,711.27	-81.69	1,713.54	1,711.81	1.73	987.933		
400.00	399.98	350.87	350.71	1.33	1.17	-25.45	-1,712.90	-84.77	1,713.50	1,711.01	2.49	686.872		
500.00	499.84	491.46	491.11	1.67	1.65	-25.82	-1,713.21	-78.31	1,708.87	1,705.56	3.31	516.430		
600.00	599.45	604.40	603.05	2.03	2.05	-26.54	-1,711.23	-63.72	1,698.71	1,694.65	4.07	417.859		
700.00	698.70	1,188.59	1,161.23	2.41	4.96	-32.52	-1,614.99	61.10	1,667.19	1,660.13	7.06	235.995		
800.00	797.47	1,257.45	1,226.50	2.81	5.32	-33.60	-1,594.70	69.42	1,625.71	1,617.99	7.72	210.574		
900.00	895.62	1,321.06	1,286.89	3.25	5.67	-34.80	-1,576.79	78.27	1,583.10	1,574.71	8.39	188.695		
1,000.00	993.06	1,479.03	1,435.50	3.72	6.63	-37.59	-1,530.85	105.70	1,538.19	1,528.69	9.50	161.880		
1,100.00	1,089.64	1,637.71	1,582.47	4.23	7.65	-40.80	-1,475.43	127.90	1,485.26	1,474.67	10.58	140.330		
1,200.00	1,185.27	1,725.33	1,663.60	4.78	8.19	-43.11	-1,443.17	135.15	1,429.18	1,417.80	11.38	125.533		
1,300.00	1,279.82	1,795.06	1,728.49	5.38	8.60	-45.27	-1,417.83	138.12	1,371.59	1,359.45	12.15	112.931		
1,400.00	1,373.17	1,873.33	1,801.56	6.03	9.05	-47.79	-1,389.80	139.33	1,312.72	1,299.77	12.95	101.384		
1,500.00	1,465.21	1,943.31	1,866.95	6.73	9.45	-50.44	-1,364.88	139.57	1,252.61	1,238.83	13.78	90.903		
1,600.00	1,555.84	2,007.40	1,927.00	7.48	9.82	-53.23	-1,342.49	139.03	1,191.91	1,177.25	14.66	81.306		
1,700.00	1,644.94	2,065.54	1,981.69	8.28	10.14	-56.14	-1,322.78	138.13	1,131.22	1,115.62	15.61	72.484		
1,800.00	1,732.39	2,123.89	2,036.81	9.13	10.47	-59.32	-1,303.68	136.89	1,071.01	1,054.36	16.64	64.351		
1,900.00	1,818.11	2,182.12	2,092.04	10.04	10.78	-62.76	-1,285.32	135.13	1,011.63	993.85	17.78	56.890		
2,000.00	1,901.97	2,240.00	2,147.13	11.00	11.09	-66.47	-1,267.67	133.15	953.61	934.56	19.05	50.069		
2,100.00	1,983.88	2,295.16	2,199.79	12.01	11.38	-70.33	-1,251.38	131.23	897.66	877.20	20.46	43.882		
2,200.00	2,063.74	2,349.26	2,251.62	13.07	11.66	-74.36	-1,235.96	129.30	844.69	822.66	22.03	38.347		
2,300.00	2,141.45	2,405.61	2,305.74	14.19	11.95	-78.71	-1,220.42	127.24	795.67	771.91	23.76	33.484		
2,400.00	2,216.92	2,461.42	2,359.41	15.35	12.24	-83.19	-1,205.27	125.17	751.68	726.03	25.66	29.299		
2,500.00	2,290.05	2,515.28	2,411.26	16.57	12.51	-87.63	-1,190.83	123.15	714.26	686.59	27.67	25.816		
2,600.00	2,360.76	2,566.12	2,460.25	17.83	12.77	-91.87	-1,177.36	121.25	685.14	655.42	29.72	23.052		
2,700.00	2,428.95	2,613.07	2,505.54	19.14	13.01	-95.75	-1,165.08	119.60	666.17	634.47	31.70	21.017		
2,800.00	2,494.55	2,658.62	2,549.51	20.50	13.25	-99.38	-1,153.31	118.14	658.88	625.44	33.44	19.703		
2,808.82	2,500.21	2,662.61	2,553.36	20.62	13.27	-99.69	-1,152.27	118.02	658.83	625.25	33.58	19.619 CC, ES		
2,900.00	2,557.48	2,702.02	2,591.35	21.89	13.47	-102.67	-1,141.86	116.88	664.17	629.34	34.83	19.070		
3,000.00	2,618.26	2,741.72	2,629.55	23.33	13.68	-105.71	-1,131.10	115.85	682.21	646.43	35.78	19.068 SF		
3,100.00	2,678.87	2,780.44	2,666.77	24.77	13.89	-108.74	-1,120.43	114.94	711.78	675.48	36.30	19.609		
3,200.00	2,739.49	2,818.92	2,703.72	26.22	14.10	-111.71	-1,109.74	114.09	751.52	715.05	36.47	20.605		
3,300.00	2,800.10	2,858.15	2,741.38	27.68	14.32	-114.67	-1,098.80	113.28	799.94	763.53	36.40	21.974		
3,400.00	2,860.71	2,898.91	2,780.56	29.14	14.54	-117.65	-1,087.57	112.42	855.47	819.27	36.19	23.635		
3,500.00	2,921.32	2,939.09	2,819.21	30.60	14.76	-120.49	-1,076.64	111.58	916.79	880.88	35.91	25.528		
3,600.00	2,981.94	2,978.23	2,856.91	32.07	14.97	-123.15	-1,066.12	110.84	982.86	947.25	35.61	27.602		
3,700.00	3,042.55	3,017.69	2,894.94	33.54	15.18	-125.71	-1,055.63	110.21	1,052.79	1,017.47	35.32	29.808		
3,800.00	3,103.16	3,057.50	2,933.33	35.01	15.40	-128.18	-1,045.09	109.61	1,125.83	1,090.77	35.06	32.109		
3,900.00	3,163.77	3,096.69	2,971.10	36.48	15.61	-130.51	-1,034.65	109.02	1,201.42	1,166.58	34.84	34.484		
4,000.00	3,224.39	3,133.19	3,006.25	37.96	15.81	-132.57	-1,024.84	108.48	1,279.17	1,244.53	34.64	36.924		
4,100.00	3,285.00	3,166.45	3,038.27	39.44	15.99	-134.37	-1,015.84	108.12	1,358.82	1,324.35	34.47	39.424		
4,200.00	3,345.61	3,200.00	3,070.55	40.92	16.18	-136.11	-1,006.70	107.91	1,440.09	1,405.76	34.33	41.946		
4,300.00	3,406.22	3,252.51	3,121.12	42.40	16.46	-138.66	-992.57	107.62	1,522.52	1,488.13	34.38	44.284		
4,400.00	3,466.84	3,305.94	3,172.72	43.88	16.75	-141.06	-978.72	107.09	1,605.52	1,571.04	34.48	46.564		
4,500.00	3,527.45	3,344.50	3,210.00	45.36	16.96	-142.68	-968.86	106.67	1,689.27	1,654.76	34.50	48.961		
4,600.00	3,588.06	3,379.36	3,243.67	46.84	17.15	-144.07	-959.87	106.36	1,773.88	1,739.35	34.53	51.379		
4,700.00	3,648.67	3,415.50	3,278.56	48.33	17.34	-145.45	-950.45	106.11	1,859.25	1,824.66	34.59	53.758		
4,800.00	3,709.29	3,453.58	3,315.30	49.81	17.55	-146.83	-940.42	105.82	1,945.23	1,910.55	34.69	56.081		
4,900.00	3,769.90	3,492.41	3,352.73	51.30	17.76	-148.17	-930.09	105.48	2,031.75	1,996.93	34.82	58.357		
5,000.00	3,830.51	3,534.05	3,392.85	52.78	17.99	-149.52	-918.98	105.05	2,118.69	2,083.70	34.99	60.550		
5,100.00	3,891.12	3,576.57	3,433.83	54.27	18.23	-150.84	-907.63	104.56	2,205.96	2,170.77	35.19	62.682		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 40-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,951.74	3,619.87	3,475.59	55.76	18.47	-152.10	-896.16	104.09	2,293.53	2,258.11	35.42	64.749		
5,300.00	4,012.35	3,663.34	3,517.55	57.25	18.70	-153.28	-884.84	103.74	2,381.33	2,345.66	35.67	66.757		
5,400.00	4,072.96	3,703.64	3,556.50	58.73	18.92	-154.31	-874.50	103.58	2,469.36	2,433.45	35.91	68.764		
5,500.00	4,133.58	3,742.12	3,593.73	60.22	19.13	-155.23	-864.74	103.62	2,557.66	2,521.51	36.15	70.753		
5,600.00	4,194.19	3,776.57	3,627.06	61.71	19.31	-156.01	-856.08	103.81	2,646.21	2,609.85	36.36	72.771		
5,700.00	4,254.80	3,806.76	3,656.28	63.20	19.48	-156.66	-848.44	104.10	2,735.08	2,698.53	36.55	74.831		
5,800.00	4,315.41	3,840.00	3,688.40	64.69	19.66	-157.35	-839.93	104.51	2,824.28	2,787.50	36.77	76.799		
5,900.00	4,376.03	3,859.53	3,707.26	66.18	19.77	-157.75	-834.85	104.80	2,913.80	2,876.93	36.88	79.011		
6,000.00	4,436.64	3,880.00	3,726.99	67.67	19.88	-158.15	-829.42	105.13	3,003.69	2,966.69	37.00	81.186		
6,100.00	4,497.25	3,900.05	3,746.28	69.17	20.00	-158.54	-823.96	105.46	3,093.94	3,056.82	37.12	83.349		
6,200.00	4,557.86	3,920.00	3,765.42	70.66	20.11	-158.92	-818.36	105.79	3,184.57	3,147.32	37.25	85.498		
6,300.00	4,618.48	3,935.18	3,779.96	72.15	20.20	-159.21	-813.99	106.05	3,275.54	3,238.20	37.33	87.734		
6,400.00	4,679.09	3,960.00	3,803.66	73.64	20.35	-159.67	-806.64	106.47	3,366.84	3,329.32	37.52	89.731		
6,500.00	4,739.70	3,973.70	3,816.71	75.13	20.43	-159.92	-802.50	106.70	3,458.40	3,420.80	37.61	91.965		
6,600.00	4,800.31	4,000.00	3,841.75	76.62	20.59	-160.39	-794.45	107.12	3,550.19	3,512.38	37.82	93.874		
6,700.00	4,860.93	4,022.49	3,863.13	78.12	20.73	-160.79	-787.47	107.44	3,642.18	3,604.18	38.00	95.846		
6,800.00	4,921.54	4,046.86	3,886.26	79.61	20.88	-161.21	-779.81	107.77	3,734.35	3,696.14	38.21	97.743		
6,900.00	4,982.15	4,072.67	3,910.72	81.10	21.04	-161.65	-771.58	108.07	3,826.68	3,788.25	38.43	99.574		
7,000.00	5,042.76	4,098.66	3,935.33	82.60	21.20	-162.08	-763.20	108.32	3,919.17	3,880.50	38.66	101.369		
7,100.00	5,103.38	4,127.11	3,962.22	84.09	21.38	-162.54	-753.92	108.54	4,011.78	3,972.86	38.92	103.069		
7,200.00	5,163.99	4,186.67	4,018.51	85.58	21.76	-163.46	-734.45	108.74	4,104.44	4,064.94	39.50	103.913		
7,300.00	5,224.60	4,338.49	4,162.85	87.07	22.68	-165.56	-687.44	108.08	4,196.29	4,155.29	41.00	102.346		
7,400.00	5,285.21	4,370.52	4,193.48	88.57	22.87	-165.95	-678.05	108.07	4,287.90	4,246.58	41.32	103.784		
7,500.00	5,345.83	4,400.00	4,221.67	90.06	23.05	-166.29	-669.45	108.25	4,379.63	4,338.02	41.61	105.256		
7,600.00	5,406.44	4,432.54	4,252.81	91.56	23.24	-166.65	-659.99	108.59	4,471.45	4,429.51	41.94	106.620		
7,700.00	5,467.05	4,482.19	4,300.34	93.05	23.53	-167.18	-645.64	109.15	4,563.29	4,520.84	42.44	107.513		
7,800.00	5,527.66	4,532.06	4,348.10	94.54	23.82	-167.69	-631.30	109.56	4,655.04	4,612.09	42.96	108.368		
7,900.00	5,588.28	4,576.36	4,390.54	96.04	24.08	-168.12	-618.60	109.83	4,746.76	4,703.35	43.41	109.336		
8,000.00	5,648.89	4,615.23	4,427.78	97.53	24.31	-168.49	-607.47	110.01	4,838.47	4,794.65	43.82	110.412		
8,100.00	5,709.50	4,646.97	4,458.16	99.03	24.50	-168.78	-598.29	110.04	4,930.24	4,886.08	44.16	111.645		
8,200.00	5,770.11	4,680.00	4,489.73	100.52	24.69	-169.08	-588.58	109.91	5,022.10	4,977.59	44.51	112.821		
8,300.00	5,830.73	5,975.09	5,762.03	102.02	30.19	-175.32	-380.75	79.89	5,104.64	5,047.94	56.70	90.033		
8,400.00	5,891.34	6,024.94	5,811.88	103.51	30.31	-175.38	-380.23	79.86	5,184.60	5,127.39	57.20	90.634		
8,500.00	5,951.95	6,104.44	5,891.37	105.01	30.51	-175.48	-379.61	79.99	5,264.51	5,206.55	57.95	90.840		
8,600.00	6,012.57	6,179.68	5,966.62	106.50	30.69	-175.57	-379.14	79.78	5,344.19	5,285.52	58.67	91.093		
8,700.00	6,073.18	6,263.98	6,050.91	108.00	30.89	-175.67	-378.81	79.34	5,423.68	5,364.23	59.45	91.228		
8,800.00	6,133.79	6,334.85	6,121.78	109.49	31.06	-175.75	-378.78	78.86	5,502.94	5,442.82	60.12	91.526		
8,900.00	6,194.40	6,396.78	6,183.71	110.98	31.21	-175.82	-378.78	78.42	5,582.18	5,521.46	60.73	91.925		
9,000.00	6,255.02	6,481.30	6,268.22	112.48	31.41	-175.91	-378.93	77.70	5,661.29	5,599.78	61.51	92.042		
9,100.00	6,315.63	6,535.03	6,321.95	113.98	31.54	-175.96	-379.07	77.17	5,740.30	5,678.26	62.04	92.519		
9,200.00	6,376.24	6,587.05	6,373.97	115.47	31.66	-176.02	-379.11	76.64	5,819.41	5,756.84	62.57	93.006		
9,300.00	6,436.85	6,640.00	6,426.92	116.97	31.79	-176.07	-379.05	76.10	5,898.61	5,835.51	63.11	93.472		
9,400.00	6,497.47	6,690.64	6,477.56	118.46	31.92	-176.12	-378.92	75.60	5,977.92	5,914.29	63.63	93.955		
9,500.00	6,558.08	6,745.26	6,532.17	119.96	32.06	-176.18	-378.75	75.15	6,057.29	5,993.12	64.18	94.382		
9,600.00	6,618.69	6,795.60	6,582.51	121.45	32.18	-176.22	-378.60	74.87	6,136.75	6,072.05	64.70	94.851		
9,700.00	6,679.30	6,843.38	6,630.29	122.95	32.30	-176.26	-378.46	74.80	6,216.33	6,151.13	65.20	95.342		
9,800.00	6,739.92	6,899.05	6,685.97	124.44	32.45	-176.31	-378.30	74.88	6,296.00	6,230.23	65.77	95.728		
9,900.00	6,799.82	6,959.77	6,746.68	125.96	32.60	-176.69	-378.12	74.99	6,376.21	6,309.83	66.39	96.047		
10,000.00	6,854.86	7,025.14	6,812.05	127.56	32.77	-152.64	-377.96	75.04	6,458.49	6,391.44	67.05	96.319		
10,100.00	6,902.95	7,073.48	6,860.39	129.22	32.90	-133.88	-377.87	75.02	6,540.88	6,473.31	67.57	96.799		
10,200.00	6,942.63	7,110.08	6,896.99	130.85	32.99	-118.05	-377.77	74.99	6,621.14	6,553.16	67.98	97.397		
10,300.00	6,972.70	7,136.75	6,923.66	132.42	33.06	-105.80	-377.69	74.98	6,697.12	6,628.81	68.30	98.051		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 40-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	6,992.24	7,153.97	6,940.88	133.85	33.11	96.93	-377.63	74.97	6,766.80	6,698.24	68.56	98.702	
10,500.00	7,000.67	7,160.00	6,946.91	135.10	33.12	90.87	-377.61	74.97	6,828.38	6,759.62	68.76	99.308	
10,600.00	7,001.00	7,160.00	6,946.91	136.21	33.12	89.78	-377.61	74.97	6,883.55	6,814.57	68.97	99.801	
10,700.00	7,001.00	7,160.00	6,946.91	137.35	33.12	89.78	-377.61	74.97	6,939.41	6,870.17	69.23	100.231	
10,800.00	7,001.00	7,160.00	6,946.91	138.52	33.12	89.78	-377.61	74.97	6,996.25	6,926.71	69.53	100.616	
10,900.00	7,001.00	7,160.00	6,946.91	139.72	33.12	89.78	-377.61	74.97	7,054.05	6,984.18	69.87	100.958	
11,000.00	7,001.00	7,160.00	6,946.91	140.95	33.12	89.78	-377.61	74.97	7,112.79	7,042.55	70.24	101.262	
11,100.00	7,001.00	7,160.00	6,946.91	142.22	33.12	89.78	-377.61	74.97	7,172.44	7,101.80	70.64	101.531	
11,200.00	7,001.00	7,160.00	6,946.91	143.52	33.12	89.78	-377.61	74.97	7,232.98	7,161.91	71.07	101.769	
11,300.00	7,001.00	7,160.00	6,946.91	144.85	33.12	89.78	-377.61	74.97	7,294.39	7,222.86	71.53	101.980	
11,400.00	7,001.00	7,160.00	6,946.91	146.21	33.12	89.78	-377.61	74.97	7,356.65	7,284.64	72.01	102.168	
11,500.00	7,001.00	7,160.00	6,946.91	147.61	33.12	89.78	-377.61	74.97	7,419.73	7,347.23	72.50	102.335	
11,600.00	7,001.00	7,160.00	6,946.91	149.03	33.12	89.78	-377.61	74.97	7,483.62	7,410.60	73.02	102.486	
11,700.00	7,001.00	7,160.00	6,946.91	150.49	33.12	89.78	-377.61	74.97	7,548.29	7,474.74	73.55	102.623	
11,800.00	7,001.00	7,160.00	6,946.91	151.98	33.12	89.78	-377.61	74.97	7,613.73	7,539.62	74.10	102.748	
11,900.00	7,001.00	7,160.00	6,946.91	153.50	33.12	89.78	-377.61	74.97	7,679.91	7,605.25	74.66	102.865	
12,000.00	7,001.00	7,160.00	6,946.91	155.05	33.12	89.78	-377.61	74.97	7,746.81	7,671.58	75.23	102.976	
12,100.00	7,001.00	7,160.00	6,946.91	156.62	33.12	89.78	-377.61	74.97	7,814.42	7,738.62	75.81	103.083	
12,200.00	7,001.00	7,160.00	6,946.91	158.23	33.12	89.78	-377.61	74.97	7,882.72	7,806.33	76.39	103.187	
12,300.00	7,001.00	7,160.00	6,946.91	159.87	33.12	89.78	-377.61	74.97	7,951.70	7,874.71	76.98	103.290	
12,400.00	7,001.00	7,160.00	6,946.91	161.53	33.12	89.78	-377.61	74.97	8,021.32	7,943.74	77.58	103.394	
12,500.00	7,001.00	7,160.00	6,946.91	163.22	33.12	89.78	-377.61	74.97	8,091.58	8,013.41	78.18	103.501	
12,600.00	7,001.00	7,160.00	6,946.91	164.94	33.12	89.78	-377.61	74.97	8,162.47	8,083.69	78.78	103.610	
12,700.00	7,001.00	7,160.00	6,946.91	166.69	33.12	89.78	-377.61	74.97	8,233.95	8,154.57	79.38	103.724	
12,800.00	7,001.00	7,160.00	6,946.91	168.46	33.12	89.78	-377.61	74.97	8,306.03	8,226.04	79.99	103.843	
12,900.00	7,001.00	7,160.00	6,946.91	170.26	33.12	89.78	-377.61	74.97	8,378.68	8,298.09	80.59	103.968	
13,000.00	7,001.00	7,160.00	6,946.91	172.08	33.12	89.78	-377.61	74.97	8,451.89	8,370.70	81.19	104.100	
13,100.00	7,001.00	7,160.00	6,946.91	173.92	33.12	89.78	-377.61	74.97	8,525.64	8,443.85	81.79	104.239	
13,200.00	7,001.00	7,160.00	6,946.91	175.79	33.12	89.78	-377.61	74.97	8,599.92	8,517.54	82.39	104.385	
13,300.00	7,001.00	7,160.00	6,946.91	177.68	33.12	89.78	-377.61	74.97	8,674.72	8,591.74	82.98	104.539	
13,400.00	7,001.00	7,160.00	6,946.91	179.60	33.12	89.78	-377.61	74.97	8,750.02	8,666.45	83.57	104.701	
13,500.00	7,001.00	7,160.00	6,946.91	181.53	33.12	89.78	-377.61	74.97	8,825.82	8,741.66	84.16	104.871	
13,600.00	7,001.00	7,160.00	6,946.91	183.49	33.12	89.78	-377.61	74.97	8,902.09	8,817.35	84.74	105.050	
13,700.00	7,001.00	7,160.00	6,946.91	185.47	33.12	89.78	-377.61	74.97	8,978.83	8,893.51	85.32	105.238	
13,800.00	7,001.00	7,160.00	6,946.91	187.47	33.12	89.78	-377.61	74.97	9,056.02	8,970.13	85.89	105.435	
13,900.00	7,001.00	7,160.00	6,946.91	189.49	33.12	89.78	-377.61	74.97	9,133.65	9,047.19	86.46	105.640	
14,000.00	7,001.00	7,160.00	6,946.91	191.53	33.12	89.78	-377.61	74.97	9,211.72	9,124.69	87.02	105.854	
14,100.00	7,001.00	7,160.00	6,946.91	193.58	33.12	89.78	-377.61	74.97	9,290.20	9,202.62	87.58	106.077	
14,200.00	7,001.00	7,160.00	6,946.91	195.66	33.12	89.78	-377.61	74.97	9,369.10	9,280.97	88.13	106.309	
14,300.00	7,001.00	7,160.00	6,946.91	197.75	33.12	89.78	-377.61	74.97	9,448.39	9,359.72	88.68	106.549	
14,400.00	7,001.00	7,160.00	6,946.91	199.85	33.12	89.78	-377.61	74.97	9,528.08	9,438.86	89.22	106.798	
14,500.00	7,001.00	7,160.00	6,946.91	201.98	33.12	89.78	-377.61	74.97	9,608.14	9,518.39	89.75	107.055	
14,600.00	7,001.00	7,160.00	6,946.91	204.12	33.12	89.78	-377.61	74.97	9,688.58	9,598.30	90.28	107.321	
14,700.00	7,001.00	7,160.00	6,946.91	206.27	33.12	89.78	-377.61	74.97	9,769.37	9,678.57	90.80	107.595	
14,800.00	7,001.00	7,160.00	6,946.91	208.45	33.12	89.78	-377.61	74.97	9,850.52	9,759.21	91.31	107.877	
14,900.00	7,001.00	7,160.00	6,946.91	210.63	33.12	89.78	-377.61	74.97	9,932.01	9,840.19	91.82	108.167	
15,000.00	7,001.00	7,160.00	6,946.91	212.83	33.12	89.78	-377.61	74.97	10,013.84	9,921.52	92.32	108.465	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 440-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	66.22	66.22	0.27	0.12	-177.46	-1,734.14	-77.01	1,735.85	1,735.46	0.38	4,522.692		
200.00	200.00	163.61	163.61	0.63	0.28	-177.46	-1,734.31	-77.02	1,736.02	1,735.11	0.91	1,904.973		
300.00	300.00	260.99	260.99	0.99	0.45	-177.46	-1,734.63	-77.04	1,736.35	1,734.91	1.44	1,206.809		
400.00	399.98	358.36	358.36	1.33	0.62	-25.75	-1,735.09	-77.07	1,735.26	1,733.31	1.95	889.073		
500.00	499.84	455.95	455.95	1.67	0.82	-25.85	-1,735.71	-77.11	1,731.17	1,728.68	2.49	694.458		
600.00	599.45	555.73	555.72	2.03	1.18	-26.04	-1,736.39	-77.23	1,724.02	1,720.81	3.20	538.169		
700.00	698.70	655.56	655.55	2.41	1.54	-26.31	-1,737.06	-77.40	1,713.74	1,709.82	3.92	436.830		
800.00	797.47	760.67	760.66	2.81	1.91	-26.67	-1,737.58	-77.54	1,700.21	1,695.54	4.67	364.149		
900.00	895.62	892.59	892.54	3.25	2.36	-27.33	-1,737.11	-74.71	1,682.81	1,677.31	5.50	305.892		
1,000.00	993.06	1,058.08	1,057.60	3.72	2.93	-28.51	-1,731.05	-64.79	1,659.09	1,652.63	6.46	256.883		
1,100.00	1,089.64	1,222.58	1,220.84	4.23	3.53	-30.15	-1,718.22	-49.22	1,628.66	1,621.23	7.44	219.019		
1,200.00	1,185.27	1,393.41	1,388.68	4.78	4.21	-32.47	-1,697.24	-25.61	1,591.77	1,583.29	8.48	187.812		
1,300.00	1,279.82	1,532.18	1,523.42	5.38	4.83	-34.98	-1,673.70	-2.23	1,548.33	1,538.87	9.45	163.764		
1,400.00	1,373.17	1,628.51	1,616.02	6.03	5.31	-37.30	-1,655.34	16.94	1,501.50	1,491.16	10.34	145.179		
1,500.00	1,465.21	1,732.62	1,715.06	6.73	5.86	-40.25	-1,634.17	41.01	1,452.44	1,441.10	11.34	128.094		
1,600.00	1,555.84	1,834.27	1,810.81	7.48	6.45	-43.64	-1,611.11	66.13	1,400.61	1,388.20	12.41	112.850		
1,700.00	1,644.94	1,907.42	1,879.12	8.28	6.90	-46.68	-1,593.51	85.52	1,347.47	1,334.01	13.46	100.097		
1,800.00	1,732.39	1,968.65	1,936.08	9.13	7.29	-49.63	-1,578.71	102.42	1,294.38	1,279.82	14.56	88.910		
1,900.00	1,818.11	2,023.00	1,986.72	10.04	7.64	-52.54	-1,565.85	117.37	1,242.15	1,226.43	15.72	79.000		
2,000.00	1,901.97	2,087.27	2,046.75	11.00	8.05	-56.03	-1,550.88	134.81	1,191.17	1,174.12	17.05	69.860		
2,100.00	1,983.88	2,156.73	2,111.31	12.01	8.51	-59.99	-1,533.95	154.03	1,141.39	1,122.84	18.54	61.548		
2,200.00	2,063.74	2,217.34	2,167.24	13.07	8.93	-63.80	-1,518.37	171.44	1,093.67	1,073.52	20.14	54.291		
2,300.00	2,141.45	2,270.91	2,216.35	14.19	9.32	-67.41	-1,504.02	187.31	1,049.18	1,027.33	21.85	48.014		
2,400.00	2,216.92	2,319.96	2,261.25	15.35	9.67	-70.85	-1,490.62	201.80	1,009.07	985.42	23.66	42.657		
2,500.00	2,290.05	2,357.56	2,295.68	16.57	9.95	-73.63	-1,480.35	212.88	974.59	949.12	25.47	38.263		
2,600.00	2,360.76	2,391.05	2,326.39	17.83	10.19	-76.09	-1,471.35	222.77	946.99	919.69	27.30	34.693		
2,700.00	2,428.95	2,425.01	2,357.57	19.14	10.44	-78.46	-1,462.39	232.81	927.22	898.12	29.11	31.853		
2,800.00	2,494.55	2,460.84	2,390.45	20.50	10.70	-80.81	-1,452.91	243.39	916.02	885.16	30.86	29.681		
2,872.45	2,540.42	2,485.94	2,413.46	21.51	10.88	-82.36	-1,446.10	250.75	913.56	881.51	32.04	28.511 CC		
2,900.00	2,557.48	2,494.65	2,421.45	21.89	10.95	-82.88	-1,443.69	253.30	913.92	881.47	32.45	28.161 ES		
3,000.00	2,618.26	2,520.00	2,444.64	23.33	11.14	-84.39	-1,436.61	260.68	921.47	887.72	33.75	27.304		
3,100.00	2,678.87	2,543.81	2,466.40	24.77	11.31	-85.83	-1,429.94	267.64	939.00	904.24	34.76	27.016 SF		
3,200.00	2,739.49	2,564.98	2,485.76	26.22	11.47	-87.11	-1,424.08	273.90	966.08	930.61	35.46	27.240		
3,300.00	2,800.10	2,586.30	2,505.25	27.68	11.63	-88.40	-1,418.25	280.27	1,001.91	965.98	35.93	27.887		
3,400.00	2,860.71	2,607.32	2,524.47	29.14	11.79	-89.65	-1,412.57	286.62	1,045.59	1,009.41	36.18	28.897		
3,500.00	2,921.32	2,627.17	2,542.59	30.60	11.94	-90.83	-1,407.20	292.70	1,096.22	1,059.95	36.27	30.226		
3,600.00	2,981.94	2,646.19	2,559.92	32.07	12.09	-91.96	-1,402.05	298.61	1,152.89	1,116.66	36.23	31.821		
3,700.00	3,042.55	2,663.93	2,576.04	33.54	12.23	-93.00	-1,397.20	304.21	1,214.80	1,178.70	36.10	33.649		
3,800.00	3,103.16	2,680.00	2,590.61	35.01	12.35	-93.94	-1,392.77	309.34	1,281.20	1,245.30	35.91	35.680		
3,900.00	3,163.77	2,698.54	2,607.37	36.48	12.50	-95.01	-1,387.61	315.34	1,351.45	1,315.73	35.72	37.833		
4,000.00	3,224.39	2,720.00	2,626.73	37.96	12.67	-96.24	-1,381.58	322.37	1,424.99	1,389.43	35.56	40.069		
4,100.00	3,285.00	2,733.71	2,639.08	39.44	12.78	-97.02	-1,377.70	326.90	1,501.31	1,466.00	35.32	42.510		
4,200.00	3,345.61	2,752.24	2,655.75	40.92	12.93	-98.06	-1,372.41	333.03	1,580.02	1,544.89	35.14	44.966		
4,300.00	3,406.22	2,770.30	2,671.97	42.40	13.08	-99.07	-1,367.22	339.04	1,660.79	1,625.82	34.97	47.490		
4,400.00	3,466.84	2,787.92	2,687.78	43.88	13.22	-100.04	-1,362.11	344.91	1,743.32	1,708.51	34.82	50.071		
4,500.00	3,527.45	2,805.55	2,703.57	45.36	13.37	-101.00	-1,356.97	350.81	1,827.40	1,792.72	34.68	52.690		
4,600.00	3,588.06	2,823.84	2,719.94	46.84	13.52	-101.99	-1,351.60	356.95	1,912.81	1,878.24	34.58	55.323		
4,700.00	3,648.67	2,840.00	2,734.40	48.33	13.65	-102.85	-1,346.83	362.39	1,999.39	1,964.92	34.46	58.015		
4,800.00	3,709.29	2,859.40	2,751.73	49.81	13.81	-103.87	-1,341.08	368.92	2,086.98	2,052.58	34.41	60.654		
4,900.00	3,769.90	2,876.67	2,767.16	51.30	13.96	-104.76	-1,335.93	374.75	2,175.48	2,141.14	34.35	63.340		
5,000.00	3,830.51	2,918.06	2,804.17	52.78	14.30	-106.86	-1,323.64	388.60	2,264.70	2,230.12	34.58	65.500		
5,100.00	3,891.12	3,018.54	2,895.08	54.27	15.11	-111.65	-1,295.01	420.36	2,353.87	2,318.40	35.47	66.360		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - EXIST HZ SCHNEIDER 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	
5,200.00	3,951.74	3,054.11	2,927.51	55.76	15.39	-113.25	-1,285.00	431.04	2,443.44	2,407.79	35.65	68.537	
5,300.00	4,012.35	3,080.00	2,951.14	57.25	15.59	-114.39	-1,277.68	438.66	2,533.46	2,497.72	35.74	70.889	
5,400.00	4,072.96	3,102.74	2,971.91	58.73	15.76	-115.37	-1,271.22	445.33	2,623.98	2,588.17	35.80	73.286	
5,500.00	4,133.58	3,120.00	2,987.64	60.22	15.90	-116.09	-1,266.30	450.44	2,715.01	2,679.18	35.82	75.786	
5,600.00	4,194.19	3,136.99	3,003.11	61.71	16.03	-116.80	-1,261.44	455.50	2,806.50	2,770.65	35.85	78.276	
5,700.00	4,254.80	3,153.53	3,018.15	63.20	16.16	-117.47	-1,256.70	460.48	2,898.43	2,862.54	35.89	80.759	
5,800.00	4,315.41	3,171.02	3,034.05	64.69	16.30	-118.17	-1,251.68	465.78	2,990.73	2,954.79	35.95	83.199	
5,900.00	4,376.03	3,189.15	3,050.51	66.18	16.45	-118.88	-1,246.48	471.31	3,083.38	3,047.36	36.02	85.599	
6,000.00	4,436.64	3,207.78	3,067.41	67.67	16.60	-119.60	-1,241.14	477.05	3,176.34	3,140.23	36.11	87.962	
6,100.00	4,497.25	3,227.35	3,085.16	69.17	16.75	-120.33	-1,235.56	483.12	3,269.58	3,233.36	36.22	90.271	
6,200.00	4,557.86	3,250.14	3,105.81	70.66	16.94	-121.17	-1,229.09	490.26	3,363.07	3,326.70	36.37	92.460	
6,300.00	4,618.48	3,387.52	3,231.24	72.15	18.02	-125.80	-1,191.74	532.02	3,456.46	3,418.69	37.77	91.506	
6,400.00	4,679.09	3,427.09	3,267.66	73.64	18.32	-127.00	-1,181.75	543.82	3,549.47	3,511.35	38.13	93.100	
6,500.00	4,739.70	3,458.89	3,296.97	75.13	18.56	-127.92	-1,173.98	553.43	3,642.58	3,604.17	38.40	94.849	
6,600.00	4,800.31	3,485.87	3,321.82	76.62	18.77	-128.67	-1,167.50	561.67	3,735.83	3,697.19	38.64	96.688	
6,700.00	4,860.93	3,509.52	3,343.60	78.12	18.95	-129.31	-1,161.85	568.96	3,829.24	3,790.40	38.84	98.584	
6,800.00	4,921.54	3,535.50	3,367.52	79.61	19.15	-130.00	-1,155.68	577.02	3,922.81	3,883.73	39.08	100.381	
6,900.00	4,982.15	3,568.50	3,397.90	81.10	19.40	-130.83	-1,147.89	587.29	4,016.49	3,977.09	39.40	101.941	
7,000.00	5,042.76	3,639.78	3,463.69	82.60	19.94	-132.55	-1,131.39	609.20	4,110.11	4,069.96	40.15	102.366	
7,100.00	5,103.38	3,687.06	3,507.46	84.09	20.30	-133.61	-1,120.72	623.55	4,203.62	4,162.98	40.64	103.437	
7,200.00	5,163.99	3,747.66	3,563.66	85.58	20.74	-134.90	-1,107.45	641.92	4,297.09	4,255.81	41.28	104.091	
7,300.00	5,224.60	3,831.15	3,641.36	87.07	21.35	-136.51	-1,090.70	667.43	4,390.20	4,348.00	42.20	104.040	
7,400.00	5,285.21	3,840.00	3,649.61	88.57	21.42	-136.67	-1,089.03	670.19	4,483.37	4,441.10	42.28	106.047	
7,500.00	5,345.83	3,856.16	3,664.62	90.06	21.54	-136.95	-1,086.00	675.33	4,576.73	4,534.29	42.45	107.823	
7,600.00	5,406.44	3,865.01	3,672.83	91.56	21.60	-137.10	-1,084.34	678.22	4,670.33	4,627.79	42.54	109.797	
7,700.00	5,467.05	3,880.00	3,686.67	93.05	21.72	-137.36	-1,081.51	683.22	4,764.14	4,721.44	42.70	111.569	
7,800.00	5,527.66	3,880.00	3,686.67	94.54	21.72	-137.36	-1,081.51	683.22	4,858.12	4,815.43	42.69	113.787	
7,900.00	5,588.28	3,880.00	3,686.67	96.04	21.72	-137.36	-1,081.51	683.22	4,952.34	4,909.64	42.69	116.003	
8,000.00	5,648.89	3,898.48	3,703.66	97.53	21.86	-137.66	-1,078.02	689.59	5,046.65	5,003.74	42.91	117.604	
8,100.00	5,709.50	3,920.00	3,723.34	99.03	22.03	-138.00	-1,073.94	697.30	5,141.24	5,098.06	43.17	119.080	
8,200.00	5,770.11	3,920.00	3,723.34	100.52	22.03	-138.00	-1,073.94	697.30	5,235.87	5,192.68	43.18	121.252	
8,300.00	5,830.73	3,920.00	3,723.34	102.02	22.03	-138.00	-1,073.94	697.30	5,330.69	5,287.50	43.19	123.418	
8,400.00	5,891.34	3,920.00	3,723.34	103.51	22.03	-138.00	-1,073.94	697.30	5,425.70	5,382.49	43.21	125.577	
8,500.00	5,951.95	3,920.00	3,723.34	105.01	22.03	-138.00	-1,073.94	697.30	5,520.89	5,477.66	43.22	127.730	
8,600.00	6,012.57	3,939.11	3,740.71	106.50	22.19	-138.29	-1,070.24	704.35	5,616.09	5,572.61	43.48	129.176	
8,700.00	6,073.18	3,960.00	3,759.57	108.00	22.36	-138.60	-1,066.02	712.27	5,711.59	5,667.84	43.75	130.539	
8,800.00	6,133.79	3,960.00	3,759.57	109.49	22.36	-138.60	-1,066.02	712.27	5,807.08	5,763.29	43.78	132.640	
8,900.00	6,194.40	3,960.00	3,759.57	110.98	22.36	-138.60	-1,066.02	712.27	5,902.71	5,858.90	43.81	134.732	
9,000.00	6,255.02	3,960.00	3,759.57	112.48	22.36	-138.60	-1,066.02	712.27	5,998.48	5,954.64	43.84	136.815	
9,100.00	6,315.63	3,960.00	3,759.57	113.98	22.36	-138.60	-1,066.02	712.27	6,094.39	6,050.51	43.88	138.887	
9,200.00	6,376.24	3,960.00	3,759.57	115.47	22.36	-138.60	-1,066.02	712.27	6,190.43	6,146.51	43.92	140.948	
9,300.00	6,436.85	3,960.00	3,759.57	116.97	22.36	-138.60	-1,066.02	712.27	6,286.59	6,242.62	43.96	142.998	
9,400.00	6,497.47	3,979.81	3,777.35	118.46	22.53	-138.88	-1,061.86	719.96	6,382.70	6,338.45	44.25	144.241	
9,500.00	6,558.08	4,000.00	3,795.35	119.96	22.70	-139.17	-1,057.45	727.98	6,479.12	6,434.57	44.54	145.451	
9,600.00	6,618.69	4,000.00	3,795.35	121.45	22.70	-139.17	-1,057.45	727.98	6,575.47	6,530.87	44.60	147.443	
9,700.00	6,679.30	4,000.00	3,795.35	122.95	22.70	-139.17	-1,057.45	727.98	6,671.93	6,627.28	44.65	149.422	
9,800.00	6,739.92	4,000.00	3,795.35	124.44	22.70	-139.17	-1,057.45	727.98	6,768.49	6,723.79	44.71	151.388	
9,900.00	6,799.82	4,000.00	3,795.35	125.96	22.70	-158.58	-1,057.45	727.98	6,865.65	6,820.88	44.78	153.336	
10,000.00	6,854.86	4,000.00	3,795.35	127.56	22.70	131.37	-1,057.45	727.98	6,964.60	6,919.75	44.85	155.282	
10,100.00	6,902.95	4,000.00	3,795.35	129.22	22.70	87.79	-1,057.45	727.98	7,062.72	7,017.81	44.91	157.268	
10,200.00	6,942.63	4,000.00	3,795.35	130.85	22.70	72.29	-1,057.45	727.98	7,157.14	7,112.20	44.93	159.281	
10,300.00	6,972.70	4,000.00	3,795.35	132.42	22.70	64.67	-1,057.45	727.98	7,245.17	7,200.24	44.93	161.253	

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 440-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,400.00	6,992.24	4,000.00	3,795.35	133.85	22.70	60.43	-1,057.45	727.98	7,324.43	7,279.51	44.92	163.064	
10,500.00	7,000.67	4,000.00	3,795.35	135.10	22.70	58.18	-1,057.45	727.98	7,392.82	7,347.89	44.93	164.546	
10,600.00	7,001.00	4,000.00	3,795.35	136.21	22.70	57.87	-1,057.45	727.98	7,452.69	7,407.70	45.00	165.619	
10,700.00	7,001.00	3,976.94	3,774.78	137.35	22.50	57.68	-1,062.48	718.83	7,512.81	7,467.94	44.87	167.450	
10,800.00	7,001.00	3,960.00	3,759.57	138.52	22.36	57.54	-1,066.02	712.27	7,573.89	7,529.04	44.85	168.868	
10,900.00	7,001.00	3,960.00	3,759.57	139.72	22.36	57.54	-1,066.02	712.27	7,635.68	7,590.62	45.06	169.439	
11,000.00	7,001.00	3,960.00	3,759.57	140.95	22.36	57.54	-1,066.02	712.27	7,698.27	7,652.96	45.31	169.884	
11,100.00	7,001.00	3,960.00	3,759.57	142.22	22.36	57.54	-1,066.02	712.27	7,761.65	7,716.05	45.60	170.215	
11,200.00	7,001.00	3,960.00	3,759.57	143.52	22.36	57.54	-1,066.02	712.27	7,825.79	7,779.87	45.91	170.442	
11,300.00	7,001.00	3,940.11	3,741.61	144.85	22.19	57.37	-1,070.04	704.73	7,890.51	7,844.46	46.06	171.314	
11,400.00	7,001.00	3,920.00	3,723.34	146.21	22.03	57.20	-1,073.94	697.30	7,956.10	7,909.87	46.23	172.085	
11,500.00	7,001.00	3,920.00	3,723.34	147.61	22.03	57.20	-1,073.94	697.30	8,022.24	7,975.61	46.63	172.031	
11,600.00	7,001.00	3,920.00	3,723.34	149.03	22.03	57.20	-1,073.94	697.30	8,089.07	8,042.02	47.05	171.917	
11,700.00	7,001.00	3,920.00	3,723.34	150.49	22.03	57.20	-1,073.94	697.30	8,156.59	8,109.10	47.49	171.753	
11,800.00	7,001.00	3,920.00	3,723.34	151.98	22.03	57.20	-1,073.94	697.30	8,224.76	8,176.82	47.94	171.548	
11,900.00	7,001.00	3,920.00	3,723.34	153.50	22.03	57.20	-1,073.94	697.30	8,293.58	8,245.17	48.41	171.310	
12,000.00	7,001.00	3,897.88	3,703.11	155.05	21.86	57.02	-1,078.13	689.38	8,362.86	8,314.16	48.70	171.728	
12,100.00	7,001.00	3,880.00	3,686.67	156.62	21.72	56.87	-1,081.51	683.22	8,432.87	8,383.83	49.04	171.964	
12,200.00	7,001.00	3,880.00	3,686.67	158.23	21.72	56.87	-1,081.51	683.22	8,503.36	8,453.82	49.54	171.632	
12,300.00	7,001.00	3,880.00	3,686.67	159.87	21.72	56.87	-1,081.51	683.22	8,574.45	8,524.39	50.06	171.293	
12,400.00	7,001.00	3,880.00	3,686.67	161.53	21.72	56.87	-1,081.51	683.22	8,646.11	8,595.53	50.58	170.951	
12,500.00	7,001.00	3,880.00	3,686.67	163.22	21.72	56.87	-1,081.51	683.22	8,718.32	8,667.22	51.10	170.610	
12,600.00	7,001.00	3,880.00	3,686.67	164.94	21.72	56.87	-1,081.51	683.22	8,791.08	8,739.45	51.63	170.275	
12,700.00	7,001.00	3,858.77	3,667.05	166.69	21.56	56.69	-1,085.51	676.18	8,864.21	8,812.22	51.99	170.485	
12,800.00	7,001.00	3,840.00	3,649.61	168.46	21.42	56.54	-1,089.03	670.19	8,938.00	8,885.61	52.39	170.621	
12,900.00	7,001.00	3,840.00	3,649.61	170.26	21.42	56.54	-1,089.03	670.19	9,012.17	8,959.24	52.92	170.289	
13,000.00	7,001.00	3,840.00	3,649.61	172.08	21.42	56.54	-1,089.03	670.19	9,086.83	9,033.37	53.46	169.972	
13,100.00	7,001.00	3,833.89	3,643.91	173.92	21.37	56.48	-1,090.18	668.29	9,161.98	9,108.03	53.95	169.813	
13,200.00	7,001.00	3,528.49	3,361.07	175.79	19.09	53.93	-1,157.34	574.84	9,237.07	9,184.73	52.34	176.489	
13,300.00	7,001.00	3,505.54	3,339.93	177.68	18.92	53.74	-1,162.80	567.73	9,312.09	9,259.35	52.74	176.579	
13,400.00	7,001.00	3,480.00	3,316.41	179.60	18.72	53.53	-1,168.90	559.88	9,387.51	9,334.39	53.12	176.733	
13,500.00	7,001.00	3,180.60	3,042.75	181.53	16.38	51.08	-1,248.93	468.70	9,462.58	9,410.85	51.73	182.912	
13,600.00	7,001.00	3,160.00	3,024.04	183.49	16.22	50.91	-1,254.84	462.43	9,537.88	9,485.72	52.16	182.846	
13,700.00	7,001.00	3,160.00	3,024.04	185.47	16.22	50.91	-1,254.84	462.43	9,613.59	9,560.87	52.72	182.359	
13,800.00	7,001.00	3,140.38	3,006.19	187.47	16.06	50.75	-1,260.47	456.52	9,689.68	9,636.53	53.15	182.318	
13,900.00	7,001.00	2,784.05	2,684.31	189.49	13.19	47.93	-1,363.24	343.62	9,765.67	9,714.09	51.59	189.303	
14,000.00	7,001.00	2,760.00	2,662.72	191.53	12.99	47.75	-1,370.19	335.61	9,841.46	9,789.46	52.00	189.263	
14,100.00	7,001.00	2,760.00	2,662.72	193.58	12.99	47.75	-1,370.19	335.61	9,917.60	9,865.06	52.54	188.759	
14,200.00	7,001.00	2,742.29	2,646.80	195.66	12.85	47.61	-1,375.25	329.73	9,994.13	9,941.15	52.98	188.646	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 93-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	97.17	97.17	0.27	0.15	-179.24	-2,115.67	-27.97	2,116.02	2,115.60	0.41	5,103.007		
200.00	200.00	180.00	179.99	0.63	0.45	-179.25	-2,114.85	-27.56	2,115.05	2,113.97	1.08	1,962.807		
281.88	281.88	252.89	252.88	0.92	0.71	-179.26	-2,114.55	-27.24	2,114.72	2,113.10	1.63	1,299.163		
300.00	300.00	270.00	269.99	0.99	0.77	-179.26	-2,114.57	-27.13	2,114.74	2,112.99	1.75	1,206.424		
400.00	399.98	362.00	361.99	1.33	1.09	-27.57	-2,114.81	-26.37	2,113.45	2,111.03	2.42	873.192		
500.00	499.84	453.00	452.98	1.67	1.41	-27.68	-2,115.44	-25.85	2,109.49	2,106.41	3.08	685.061		
600.00	599.45	550.93	550.91	2.03	1.75	-27.87	-2,116.40	-25.53	2,102.74	2,098.97	3.77	557.185		
700.00	698.70	650.83	650.79	2.41	2.11	-28.15	-2,117.35	-24.42	2,092.90	2,088.41	4.49	465.967		
800.00	797.47	767.35	767.27	2.81	2.52	-28.60	-2,117.83	-21.47	2,079.50	2,074.21	5.28	393.674		
900.00	895.62	856.45	856.27	3.25	2.84	-29.11	-2,117.86	-17.24	2,062.78	2,056.79	5.99	344.642		
1,000.00	993.06	923.00	922.75	3.72	3.09	-29.58	-2,118.65	-14.20	2,044.28	2,037.66	6.62	308.815		
1,100.00	1,089.64	1,008.11	1,007.69	4.23	3.40	-30.25	-2,120.51	-9.20	2,023.91	2,016.57	7.34	275.703		
1,200.00	1,185.27	1,086.90	1,086.14	4.78	3.69	-31.02	-2,122.71	-2.24	2,001.46	1,993.40	8.06	248.235		
1,300.00	1,279.82	1,169.78	1,168.43	5.38	4.01	-31.97	-2,125.54	7.13	1,977.08	1,968.25	8.83	223.920		
1,400.00	1,373.17	1,252.43	1,250.19	6.03	4.34	-33.09	-2,128.60	18.83	1,950.66	1,941.03	9.63	202.527		
1,500.00	1,465.21	1,328.27	1,324.92	6.73	4.65	-34.28	-2,131.64	31.42	1,922.47	1,912.02	10.45	184.020		
1,600.00	1,555.84	1,398.34	1,393.71	7.48	4.94	-35.54	-2,134.99	44.25	1,893.03	1,881.75	11.28	167.781		
1,700.00	1,644.94	1,480.43	1,474.14	8.28	5.30	-37.10	-2,139.21	60.14	1,862.19	1,849.97	12.22	152.364		
1,800.00	1,732.39	1,584.58	1,576.06	9.13	5.77	-39.17	-2,144.01	81.07	1,829.38	1,816.06	13.32	137.344		
1,900.00	1,818.11	1,697.80	1,686.84	10.04	6.29	-41.63	-2,147.25	104.21	1,793.81	1,779.28	14.52	123.511		
2,000.00	1,901.97	1,782.52	1,769.86	11.00	6.69	-43.77	-2,148.93	121.01	1,756.42	1,740.76	15.66	112.171		
2,100.00	1,983.88	1,859.92	1,845.59	12.01	7.05	-45.95	-2,150.14	136.98	1,718.04	1,701.20	16.83	102.067		
2,200.00	2,063.74	1,920.74	1,905.06	13.07	7.34	-47.92	-2,151.27	149.61	1,679.40	1,661.40	18.00	93.289		
2,300.00	2,141.45	1,994.10	1,976.98	14.19	7.68	-50.27	-2,153.29	163.94	1,640.93	1,621.62	19.31	84.986		
2,400.00	2,216.92	2,077.94	2,059.22	15.35	8.07	-53.06	-2,155.00	180.18	1,602.02	1,581.27	20.75	77.202		
2,500.00	2,290.05	2,147.00	2,127.12	16.57	8.39	-55.60	-2,156.16	192.73	1,563.07	1,540.86	22.21	70.378		
2,600.00	2,360.76	2,204.48	2,183.67	17.83	8.66	-57.92	-2,157.35	202.89	1,525.10	1,501.40	23.70	64.346		
2,700.00	2,428.95	2,261.47	2,239.71	19.14	8.92	-60.31	-2,159.00	213.15	1,488.93	1,463.64	25.29	58.883		
2,800.00	2,494.55	2,329.08	2,306.26	20.50	9.23	-63.11	-2,161.00	224.89	1,454.35	1,427.32	27.02	53.819		
2,900.00	2,557.48	2,381.57	2,357.96	21.89	9.47	-65.47	-2,162.63	233.82	1,421.93	1,393.16	28.77	49.423		
3,000.00	2,618.26	2,433.10	2,408.70	23.33	9.71	-67.46	-2,164.39	242.66	1,392.72	1,362.14	30.59	45.531		
3,100.00	2,678.87	2,486.52	2,461.27	24.77	9.96	-69.33	-2,166.26	251.95	1,367.98	1,335.53	32.45	42.151		
3,200.00	2,739.49	2,537.83	2,511.75	26.22	10.20	-71.15	-2,168.08	261.00	1,348.04	1,313.72	34.32	39.277		
3,300.00	2,800.10	2,587.90	2,561.00	27.68	10.43	-72.94	-2,170.25	269.72	1,333.22	1,297.05	36.17	36.862		
3,400.00	2,860.71	2,642.40	2,614.62	29.14	10.68	-74.88	-2,173.08	279.03	1,323.58	1,285.57	38.01	34.820		
3,500.00	2,921.32	2,699.64	2,670.95	30.60	10.95	-76.92	-2,176.20	288.71	1,319.03	1,279.20	39.83	33.117		
3,536.22	2,943.28	2,716.58	2,687.62	31.13	11.03	-77.52	-2,177.13	291.59	1,318.66	1,278.22	40.44	32.605 CC, ES		
3,600.00	2,981.94	2,744.61	2,715.17	32.07	11.16	-78.52	-2,178.60	296.56	1,319.82	1,278.33	41.49	31.814		
3,700.00	3,042.55	2,797.00	2,766.53	33.54	11.42	-80.41	-2,181.13	306.56	1,326.36	1,283.24	43.11	30.764		
3,800.00	3,103.16	2,866.13	2,834.33	35.01	11.75	-82.90	-2,183.95	319.73	1,337.93	1,293.14	44.79	29.871		
3,900.00	3,163.77	2,929.25	2,896.43	36.48	12.04	-85.15	-2,186.21	330.86	1,353.63	1,307.32	46.31	29.229		
4,000.00	3,224.39	2,984.00	2,950.29	37.96	12.30	-87.08	-2,188.67	340.33	1,374.19	1,326.53	47.65	28.837		
4,100.00	3,285.00	3,042.06	3,007.43	39.44	12.57	-89.08	-2,191.67	350.24	1,399.31	1,350.40	48.92	28.604		
4,200.00	3,345.61	3,100.76	3,065.20	40.92	12.85	-91.08	-2,194.87	360.13	1,428.67	1,378.58	50.09	28.522 SF		
4,300.00	3,406.22	3,157.34	3,120.90	42.40	13.11	-92.99	-2,197.26	369.77	1,462.03	1,410.89	51.14	28.590		
4,400.00	3,466.84	3,215.47	3,178.14	43.88	13.38	-94.93	-2,199.14	379.76	1,499.22	1,447.11	52.10	28.774		
4,500.00	3,527.45	3,281.11	3,242.79	45.36	13.68	-97.07	-2,201.53	390.80	1,539.84	1,486.78	53.06	29.021		
4,600.00	3,588.06	3,373.95	3,334.50	46.84	14.10	-100.02	-2,204.56	404.95	1,582.84	1,528.65	54.19	29.208		
4,700.00	3,648.67	3,413.08	3,373.16	48.33	14.27	-101.23	-2,205.75	410.83	1,628.71	1,573.96	54.76	29.745		
4,800.00	3,709.29	3,460.91	3,420.40	49.81	14.49	-102.69	-2,207.22	418.23	1,677.71	1,622.37	55.34	30.318		
4,900.00	3,769.90	3,520.47	3,479.17	51.30	14.76	-104.44	-2,209.60	427.56	1,729.34	1,673.35	55.99	30.885		
5,000.00	3,830.51	3,578.17	3,536.08	52.78	15.02	-106.07	-2,212.65	436.57	1,783.17	1,726.57	56.60	31.505		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 93-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	3,891.12	3,633.46	3,590.59	54.27	15.27	-107.58	-2,215.74	445.29	1,839.12	1,781.96	57.15	32.179		
5,200.00	3,951.74	3,695.12	3,651.41	55.76	15.55	-109.23	-2,218.95	454.96	1,896.92	1,839.17	57.74	32.852		
5,300.00	4,012.35	3,752.86	3,708.42	57.25	15.81	-110.74	-2,221.33	463.77	1,956.33	1,898.07	58.26	33.581		
5,400.00	4,072.96	3,803.70	3,758.61	58.73	16.04	-112.03	-2,223.21	471.58	2,017.45	1,958.78	58.68	34.383		
5,500.00	4,133.58	3,827.00	3,781.62	60.22	16.15	-112.61	-2,224.03	475.20	2,080.41	2,021.63	58.78	35.393		
5,600.00	4,194.19	3,877.54	3,831.44	61.71	16.38	-113.84	-2,225.77	483.52	2,145.02	2,085.85	59.17	36.253		
5,700.00	4,254.80	3,921.00	3,874.16	63.20	16.58	-114.87	-2,227.23	491.37	2,211.63	2,152.16	59.47	37.188		
5,800.00	4,315.41	3,955.61	3,908.13	64.69	16.75	-115.66	-2,228.37	497.87	2,279.70	2,220.03	59.67	38.207		
5,900.00	4,376.03	4,009.87	3,961.40	66.18	17.01	-116.88	-2,230.15	508.08	2,348.88	2,288.79	60.09	39.089		
6,000.00	4,436.64	4,070.19	4,020.62	67.67	17.30	-118.18	-2,232.03	519.32	2,418.92	2,358.34	60.58	39.929		
6,100.00	4,497.25	4,133.52	4,082.87	69.17	17.60	-119.51	-2,233.85	530.87	2,489.66	2,428.56	61.10	40.745		
6,200.00	4,557.86	4,202.03	4,150.21	70.66	17.93	-120.87	-2,236.28	543.23	2,560.92	2,499.23	61.70	41.509		
6,300.00	4,618.48	4,261.94	4,209.11	72.15	18.22	-122.01	-2,238.72	553.95	2,632.70	2,570.51	62.20	42.329		
6,400.00	4,679.09	4,315.19	4,261.46	73.64	18.47	-122.99	-2,240.92	563.42	2,705.06	2,642.44	62.62	43.197		
6,500.00	4,739.70	4,359.09	4,304.60	75.13	18.68	-123.77	-2,242.66	571.36	2,778.20	2,715.26	62.94	44.140		
6,600.00	4,800.31	4,404.84	4,349.53	76.62	18.90	-124.56	-2,244.38	579.80	2,852.12	2,788.84	63.28	45.068		
6,700.00	4,860.93	4,455.88	4,399.66	78.12	19.14	-125.42	-2,246.09	589.22	2,926.66	2,862.97	63.69	45.951		
6,800.00	4,921.54	4,504.90	4,447.83	79.61	19.38	-126.23	-2,247.51	598.23	3,001.77	2,937.69	64.08	46.848		
6,900.00	4,982.15	4,551.83	4,493.93	81.10	19.60	-126.97	-2,248.77	606.93	3,077.44	3,013.00	64.44	47.759		
7,000.00	5,042.76	4,606.68	4,547.80	82.60	19.87	-127.82	-2,250.18	617.17	3,153.63	3,088.74	64.90	48.594		
7,100.00	5,103.38	4,671.93	4,611.91	84.09	20.18	-128.80	-2,251.84	629.18	3,230.08	3,164.59	65.49	49.325		
7,200.00	5,163.99	4,753.66	4,692.30	85.58	20.57	-129.96	-2,254.58	643.65	3,306.23	3,239.95	66.28	49.884		
7,300.00	5,224.60	4,812.48	4,750.16	87.07	20.85	-130.75	-2,256.87	654.00	3,382.59	3,315.78	66.81	50.631		
7,400.00	5,285.21	4,858.00	4,794.88	88.57	21.06	-131.34	-2,258.57	662.30	3,459.61	3,392.42	67.19	51.490		
7,500.00	5,345.83	4,912.66	4,848.58	90.06	21.32	-132.03	-2,260.55	672.33	3,537.01	3,469.33	67.68	52.258		
7,600.00	5,406.44	4,983.28	4,918.01	91.56	21.66	-132.90	-2,263.12	684.95	3,614.44	3,546.08	68.37	52.867		
7,700.00	5,467.05	5,051.77	4,985.45	93.05	21.98	-133.71	-2,265.36	696.72	3,691.94	3,622.92	69.02	53.489		
7,800.00	5,527.66	5,136.98	5,069.48	94.54	22.37	-134.69	-2,267.88	710.60	3,769.36	3,699.50	69.86	53.958		
7,900.00	5,588.28	5,329.19	5,259.91	96.04	23.19	-136.82	-2,272.72	736.05	3,845.57	3,773.80	71.77	53.581		
8,000.00	5,648.89	5,454.22	5,384.35	97.53	23.67	-138.16	-2,274.90	748.11	3,920.74	3,847.87	72.87	53.804		
8,100.00	5,709.50	5,579.43	5,509.23	99.03	24.13	-139.47	-2,276.18	756.93	3,995.18	3,921.28	73.90	54.063		
8,200.00	5,770.11	5,652.57	5,582.27	100.52	24.38	-140.21	-2,276.56	760.80	4,069.19	3,994.74	74.45	54.658		
8,300.00	5,830.73	5,715.69	5,645.31	102.02	24.59	-140.84	-2,276.73	763.99	4,143.44	4,068.53	74.91	55.312		
8,400.00	5,891.34	5,939.86	5,869.38	103.51	25.26	-143.05	-2,273.99	767.72	4,217.34	4,140.86	76.48	55.146		
8,500.00	5,951.95	6,052.12	5,981.62	105.01	25.56	-144.10	-2,274.04	766.39	4,289.12	4,211.93	77.19	55.566		
8,600.00	6,012.57	6,110.89	6,040.39	106.50	25.71	-144.62	-2,274.29	765.60	4,361.03	4,283.47	77.56	56.225		
8,700.00	6,073.18	6,172.24	6,101.73	108.00	25.87	-145.15	-2,274.53	764.78	4,433.20	4,355.24	77.96	56.867		
8,800.00	6,133.79	6,239.74	6,169.23	109.49	26.05	-145.73	-2,274.83	763.84	4,505.55	4,427.16	78.40	57.472		
8,900.00	6,194.40	6,298.74	6,228.22	110.98	26.20	-146.21	-2,275.14	762.99	4,578.07	4,499.29	78.78	58.111		
9,000.00	6,255.02	6,357.00	6,286.48	112.48	26.36	-146.68	-2,275.48	762.30	4,650.88	4,571.72	79.17	58.747		
9,100.00	6,315.63	6,416.98	6,346.45	113.98	26.52	-147.15	-2,275.82	761.62	4,723.92	4,644.35	79.57	59.369		
9,200.00	6,376.24	6,477.44	6,406.91	115.47	26.68	-147.61	-2,276.09	760.84	4,797.12	4,717.15	79.98	59.982		
9,300.00	6,436.85	6,533.22	6,462.68	116.97	26.84	-148.03	-2,276.30	760.15	4,870.56	4,790.20	80.35	60.615		
9,400.00	6,497.47	6,588.90	6,518.35	118.46	26.99	-148.44	-2,276.47	759.51	4,944.23	4,863.50	80.73	61.243		
9,500.00	6,558.08	6,645.53	6,574.98	119.96	27.14	-148.84	-2,276.60	758.91	5,018.14	4,937.02	81.12	61.861		
9,600.00	6,618.69	6,710.40	6,639.85	121.45	27.32	-149.29	-2,276.72	758.19	5,092.20	5,010.63	81.57	62.428		
9,700.00	6,679.30	6,768.01	6,697.45	122.95	27.48	-149.69	-2,276.79	757.50	5,166.40	5,084.43	81.97	63.028		
9,800.00	6,739.92	6,825.00	6,754.44	124.44	27.64	-150.07	-2,276.74	756.81	5,240.82	5,158.45	82.37	63.627		
9,900.00	6,799.82	6,886.42	6,815.86	125.96	27.81	-150.96	-2,276.66	756.07	5,316.64	5,233.83	82.81	64.204		
10,000.00	6,854.86	6,951.96	6,881.40	127.56	27.99	-176.70	-2,276.67	755.26	5,398.84	5,315.52	83.32	64.800		
10,100.00	6,902.95	7,015.17	6,944.60	129.22	28.16	162.62	-2,276.87	754.45	5,485.67	5,401.85	83.81	65.451		
10,200.00	6,942.63	7,055.50	6,984.92	130.85	28.28	140.16	-2,277.05	753.91	5,574.61	5,490.48	84.13	66.261		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 93-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	6,972.70	7,086.80	7,016.22	132.42	28.37	119.61	-2,277.19	753.50	5,663.18	5,578.82	84.36	67.132		
10,400.00	6,992.24	7,107.97	7,037.39	133.85	28.43	103.86	-2,277.28	753.22	5,748.93	5,664.43	84.50	68.037		
10,500.00	7,000.67	7,122.84	7,052.25	135.10	28.47	93.17	-2,277.35	753.01	5,829.54	5,744.95	84.59	68.912		
10,600.00	7,001.00	7,125.57	7,054.99	136.21	28.47	91.24	-2,277.36	752.97	5,905.47	5,820.84	84.63	69.782		
10,700.00	7,001.00	7,127.86	7,057.27	137.35	28.48	91.27	-2,277.37	752.94	5,981.88	5,897.20	84.68	70.644		
10,800.00	7,001.00	7,130.20	7,059.61	138.52	28.49	91.31	-2,277.38	752.90	6,058.97	5,974.23	84.74	71.502		
10,900.00	7,001.00	7,132.59	7,062.01	139.72	28.49	91.34	-2,277.39	752.87	6,136.72	6,051.90	84.81	72.355		
11,000.00	7,001.00	7,135.05	7,064.47	140.95	28.50	91.38	-2,277.40	752.83	6,215.10	6,130.20	84.90	73.204		
11,100.00	7,001.00	7,137.57	7,066.99	142.22	28.51	91.42	-2,277.41	752.79	6,294.10	6,209.10	85.00	74.048		
11,200.00	7,001.00	7,140.16	7,069.57	143.52	28.52	91.46	-2,277.42	752.75	6,373.69	6,288.58	85.11	74.889		
11,300.00	7,001.00	7,142.81	7,072.22	144.85	28.52	91.50	-2,277.44	752.71	6,453.84	6,368.62	85.23	75.725		
11,400.00	7,001.00	7,145.53	7,074.94	146.21	28.53	91.54	-2,277.45	752.66	6,534.54	6,449.19	85.35	76.559		
11,500.00	7,001.00	7,148.33	7,077.74	147.61	28.54	91.58	-2,277.46	752.62	6,615.77	6,530.28	85.49	77.389		
11,600.00	7,001.00	7,151.20	7,080.61	149.03	28.55	91.62	-2,277.47	752.57	6,697.51	6,611.88	85.63	78.216		
11,700.00	7,001.00	7,154.15	7,083.56	150.49	28.55	91.67	-2,277.49	752.52	6,779.73	6,693.95	85.78	79.040		
11,800.00	7,001.00	7,157.18	7,086.59	151.98	28.56	91.71	-2,277.50	752.47	6,862.43	6,776.50	85.93	79.861		
11,900.00	7,001.00	7,160.30	7,089.71	153.50	28.57	91.76	-2,277.51	752.42	6,945.58	6,859.49	86.09	80.679		
12,000.00	7,001.00	7,163.51	7,092.92	155.05	28.58	91.81	-2,277.53	752.36	7,029.16	6,942.91	86.25	81.495		
12,100.00	7,001.00	7,166.81	7,096.22	156.62	28.59	91.86	-2,277.54	752.30	7,113.18	7,026.75	86.42	82.309		
12,200.00	7,001.00	7,170.21	7,099.61	158.23	28.60	91.91	-2,277.56	752.24	7,197.59	7,111.00	86.59	83.120		
12,300.00	7,001.00	7,173.71	7,103.11	159.87	28.61	91.96	-2,277.57	752.18	7,282.41	7,195.64	86.77	83.930		
12,400.00	7,001.00	7,177.31	7,106.72	161.53	28.62	92.01	-2,277.59	752.11	7,367.60	7,280.65	86.95	84.737		
12,500.00	7,001.00	7,181.03	7,110.44	163.22	28.63	92.07	-2,277.61	752.04	7,453.16	7,366.03	87.13	85.542		
12,600.00	7,001.00	7,184.87	7,114.27	164.94	28.64	92.13	-2,277.62	751.97	7,539.07	7,451.76	87.31	86.346		
12,700.00	7,001.00	7,188.82	7,118.23	166.69	28.65	92.18	-2,277.64	751.89	7,625.33	7,537.83	87.50	87.148		
12,800.00	7,001.00	7,192.91	7,122.31	168.46	28.66	92.25	-2,277.66	751.81	7,711.92	7,624.23	87.69	87.948		
12,900.00	7,001.00	7,197.13	7,126.53	170.26	28.68	92.31	-2,277.68	751.72	7,798.82	7,710.95	87.88	88.746		
13,000.00	7,001.00	7,201.49	7,130.89	172.08	28.69	92.37	-2,277.70	751.63	7,886.04	7,797.97	88.07	89.542		
13,100.00	7,001.00	7,206.00	7,135.40	173.92	28.70	92.44	-2,277.72	751.54	7,973.56	7,885.29	88.26	90.337		
13,200.00	7,001.00	7,210.67	7,140.07	175.79	28.71	92.51	-2,277.74	751.44	8,061.36	7,972.90	88.46	91.130		
13,300.00	7,001.00	7,215.50	7,144.90	177.68	28.73	92.58	-2,277.76	751.34	8,149.45	8,060.79	88.66	91.922		
13,400.00	7,001.00	7,182.51	7,111.92	179.60	28.63	92.09	-2,277.61	751.96	8,237.79	8,149.20	88.60	92.980		
13,500.00	7,001.00	7,184.19	7,113.60	181.53	28.64	92.12	-2,277.62	751.93	8,326.42	8,237.65	88.77	93.793		
13,600.00	7,001.00	7,215.60	7,145.00	183.49	28.73	92.58	-2,277.76	751.34	8,415.30	8,326.15	89.15	94.395		
13,700.00	7,001.00	7,218.10	7,147.50	185.47	28.73	92.62	-2,277.77	751.29	8,504.42	8,415.09	89.33	95.202		
13,800.00	7,001.00	7,220.61	7,150.01	187.47	28.74	92.66	-2,277.78	751.24	8,593.78	8,504.27	89.51	96.009		
13,900.00	7,001.00	7,223.12	7,152.52	189.49	28.75	92.70	-2,277.79	751.19	8,683.37	8,593.68	89.69	96.815		
14,000.00	7,001.00	7,225.65	7,155.05	191.53	28.76	92.73	-2,277.81	751.13	8,773.19	8,683.32	89.87	97.621		
14,100.00	7,001.00	7,228.19	7,157.58	193.58	28.76	92.77	-2,277.82	751.08	8,863.22	8,773.17	90.05	98.427		
14,200.00	7,001.00	7,230.73	7,160.13	195.66	28.77	92.81	-2,277.83	751.03	8,953.47	8,863.24	90.23	99.233		
14,300.00	7,001.00	7,233.29	7,162.68	197.75	28.78	92.85	-2,277.84	750.97	9,043.92	8,953.51	90.40	100.038		
14,400.00	7,001.00	7,235.85	7,165.25	199.85	28.78	92.89	-2,277.86	750.92	9,134.56	9,043.98	90.58	100.843		
14,500.00	7,001.00	7,238.43	7,167.82	201.98	28.79	92.92	-2,277.87	750.87	9,225.40	9,134.65	90.76	101.649		
14,600.00	7,001.00	7,241.02	7,170.41	204.12	28.80	92.96	-2,277.88	750.81	9,316.43	9,225.50	90.93	102.454		
14,700.00	7,001.00	7,243.61	7,173.01	206.27	28.81	93.00	-2,277.89	750.76	9,407.64	9,316.53	91.11	103.259		
14,800.00	7,001.00	7,246.22	7,175.61	208.45	28.81	93.04	-2,277.91	750.70	9,499.03	9,407.74	91.28	104.063		
14,900.00	7,001.00	7,248.84	7,178.23	210.63	28.82	93.08	-2,277.92	750.65	9,590.58	9,499.13	91.45	104.868		
15,000.00	7,001.00	7,251.47	7,180.86	212.83	28.83	93.12	-2,277.93	750.59	9,682.30	9,590.68	91.63	105.673		
15,100.00	7,001.00	7,254.10	7,183.49	215.04	28.83	93.16	-2,277.95	750.53	9,774.19	9,682.39	91.80	106.477		
15,200.00	7,001.00	7,256.75	7,186.14	217.27	28.84	93.20	-2,277.96	750.48	9,866.23	9,774.27	91.97	107.281		
15,300.00	7,001.00	7,259.41	7,188.80	219.51	28.85	93.24	-2,277.97	750.42	9,958.43	9,866.29	92.13	108.086		
15,400.00	7,001.00	7,262.08	7,191.47	221.76	28.86	93.28	-2,277.99	750.36	10,050.77	9,958.47	92.30	108.889		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	107.70	107.70	0.27	0.16	-166.20	-1,299.63	-319.21	1,338.39	1,337.97	0.42	3,177.149		
200.00	200.00	200.93	200.91	0.63	0.43	-166.23	-1,298.57	-318.25	1,337.05	1,335.99	1.06	1,261.333		
300.00	300.00	292.61	292.59	0.99	0.75	-166.20	-1,297.91	-318.90	1,336.52	1,334.78	1.74	768.116		
400.00	399.98	396.16	396.12	1.33	1.12	-14.41	-1,297.20	-320.54	1,334.54	1,332.09	2.45	544.617		
500.00	499.84	493.10	493.04	1.67	1.47	-14.40	-1,296.23	-322.42	1,328.98	1,325.84	3.14	423.389		
600.00	599.45	577.43	577.36	2.03	1.76	-14.47	-1,296.14	-323.44	1,320.73	1,316.94	3.78	349.212		
700.00	698.70	675.09	675.00	2.41	2.09	-14.72	-1,297.52	-322.34	1,310.03	1,305.55	4.47	292.919		
800.00	797.47	786.95	786.84	2.81	2.47	-15.09	-1,298.56	-320.54	1,295.42	1,290.20	5.22	248.041		
900.00	895.62	888.80	888.67	3.25	2.83	-15.50	-1,298.78	-318.69	1,276.80	1,270.85	5.95	214.636		
1,000.00	993.06	965.30	965.17	3.72	3.09	-15.85	-1,299.21	-318.52	1,255.58	1,248.99	6.59	190.486		
1,100.00	1,089.64	1,054.35	1,054.17	4.23	3.41	-16.18	-1,300.31	-320.99	1,232.40	1,225.11	7.29	169.118		
1,200.00	1,185.27	1,142.52	1,142.24	4.78	3.72	-16.50	-1,301.45	-325.03	1,206.43	1,198.44	7.99	150.972		
1,300.00	1,279.82	1,226.70	1,226.16	5.38	4.02	-16.77	-1,302.72	-331.45	1,178.09	1,169.39	8.69	135.502		
1,400.00	1,373.17	1,307.80	1,306.89	6.03	4.31	-17.03	-1,304.55	-338.97	1,147.58	1,138.18	9.40	122.067		
1,500.00	1,465.21	1,383.78	1,382.41	6.73	4.59	-17.31	-1,307.10	-347.00	1,115.23	1,105.12	10.11	110.351		
1,600.00	1,555.84	1,462.00	1,459.85	7.48	4.89	-17.57	-1,311.17	-357.16	1,081.79	1,070.95	10.84	99.830		
1,700.00	1,644.94	1,535.83	1,532.60	8.28	5.18	-17.79	-1,315.84	-368.83	1,046.78	1,035.21	11.57	90.451		
1,800.00	1,732.39	1,628.97	1,624.26	9.13	5.56	-18.04	-1,321.74	-384.28	1,008.99	996.59	12.40	81.368		
1,900.00	1,818.11	1,702.73	1,696.77	10.04	5.87	-18.35	-1,326.63	-396.85	968.59	955.41	13.18	73.491		
2,000.00	1,901.97	1,762.00	1,754.53	11.00	6.13	-18.59	-1,331.84	-409.08	927.78	913.86	13.92	66.631		
2,100.00	1,983.88	1,845.41	1,834.91	12.01	6.53	-18.65	-1,340.15	-429.75	885.84	871.05	14.79	59.884		
2,200.00	2,063.74	1,926.57	1,912.14	13.07	6.95	-18.53	-1,348.29	-453.28	841.90	826.22	15.68	53.695		
2,300.00	2,141.45	1,998.33	1,979.62	14.19	7.35	-18.31	-1,355.81	-476.52	796.24	779.69	16.55	48.105		
2,400.00	2,216.92	2,066.59	2,042.99	15.35	7.76	-17.99	-1,364.27	-500.42	749.99	732.56	17.43	43.034		
2,500.00	2,290.05	2,143.00	2,113.03	16.57	8.25	-17.46	-1,375.14	-528.95	703.08	684.73	18.35	38.315		
2,600.00	2,360.76	2,207.87	2,171.59	17.83	8.71	-16.87	-1,385.38	-554.92	655.46	636.22	19.24	34.066		
2,700.00	2,428.95	2,277.78	2,233.58	19.14	9.24	-15.96	-1,397.42	-584.89	607.39	587.25	20.14	30.159		
2,800.00	2,494.55	2,351.03	2,297.65	20.50	9.83	-14.77	-1,411.62	-617.43	559.07	538.04	21.03	26.579		
2,900.00	2,557.48	2,437.37	2,373.38	21.89	10.55	-13.21	-1,429.25	-654.97	508.82	486.84	21.97	23.155		
3,000.00	2,618.26	2,513.27	2,439.58	23.33	11.20	-11.35	-1,445.16	-688.48	457.43	434.61	22.82	20.045		
3,100.00	2,678.87	2,598.99	2,513.83	24.77	11.97	-8.52	-1,463.50	-727.19	407.28	383.64	23.64	17.231		
3,200.00	2,739.49	2,690.01	2,592.93	26.22	12.80	-4.60	-1,481.85	-768.30	357.12	332.70	24.42	14.623		
3,300.00	2,800.10	2,774.62	2,665.83	27.68	13.60	0.91	-1,495.99	-808.86	307.41	282.24	25.16	12.216		
3,400.00	2,860.71	2,856.50	2,736.41	29.14	14.39	8.02	-1,509.40	-848.15	260.64	234.49	26.15	9.966		
3,500.00	2,921.32	2,940.44	2,808.96	30.60	15.20	17.55	-1,523.60	-887.88	218.89	190.90	27.99	7.820		
3,600.00	2,981.94	3,024.71	2,882.71	32.07	16.00	29.92	-1,537.99	-926.05	183.87	152.26	31.60	5.818		
3,700.00	3,042.55	3,102.35	2,950.12	33.54	16.75	44.33	-1,551.04	-962.26	163.17	125.69	37.48	4.354		
3,761.21	3,079.65	3,155.18	2,995.90	34.44	17.27	55.08	-1,559.92	-987.10	159.79	117.51	42.28	3.779 CC		
3,800.00	3,103.16	3,188.71	3,025.16	35.01	17.60	61.93	-1,565.62	-1,002.45	161.15	115.92	45.23	3.563 ES		
3,900.00	3,163.77	3,267.59	3,093.25	36.48	18.39	76.57	-1,580.37	-1,039.42	178.10	127.65	50.46	3.530 SF		
4,000.00	3,224.39	3,357.88	3,169.98	37.96	19.31	89.49	-1,599.71	-1,082.89	208.43	154.45	53.98	3.861		
4,100.00	3,285.00	3,439.30	3,240.55	39.44	20.13	98.92	-1,616.86	-1,119.70	245.19	189.71	55.48	4.420		
4,200.00	3,345.61	3,522.07	3,312.37	40.92	20.94	106.37	-1,632.37	-1,157.79	289.35	232.92	56.43	5.128		
4,300.00	3,406.22	3,604.01	3,384.77	42.40	21.73	112.45	-1,647.62	-1,193.00	335.90	278.84	57.06	5.887		
4,400.00	3,466.84	3,671.00	3,443.60	43.88	22.37	116.27	-1,658.38	-1,223.16	387.56	330.54	57.02	6.797		
4,500.00	3,527.45	3,751.67	3,514.61	45.36	23.15	119.99	-1,669.80	-1,259.70	442.37	384.58	57.79	7.655		
4,600.00	3,588.06	3,834.22	3,587.73	46.84	23.94	123.14	-1,681.43	-1,296.18	498.07	439.36	58.70	8.484		
4,700.00	3,648.67	3,908.78	3,652.72	48.33	24.69	125.16	-1,692.47	-1,331.01	554.53	495.01	59.52	9.317		
4,800.00	3,709.29	3,981.56	3,714.99	49.81	25.45	126.54	-1,702.43	-1,367.34	612.80	552.30	60.49	10.130		
4,900.00	3,769.90	4,064.79	3,785.70	51.30	26.35	127.75	-1,713.81	-1,409.74	671.49	609.44	62.06	10.821		
5,000.00	3,830.51	4,155.32	3,862.56	52.78	27.33	128.84	-1,727.09	-1,455.69	729.53	665.58	63.94	11.409		
5,100.00	3,891.12	4,241.28	3,935.46	54.27	28.27	129.71	-1,740.51	-1,499.22	786.90	721.25	65.66	11.985		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,951.74	4,327.66	4,008.99	55.76	29.20	130.51	-1,754.43	-1,542.36	843.89	776.53	67.36	12.527		
5,300.00	4,012.35	4,410.94	4,081.15	57.25	30.05	131.38	-1,767.89	-1,581.69	900.66	831.83	68.83	13.085		
5,400.00	4,072.96	4,493.82	4,154.44	58.73	30.85	132.36	-1,781.03	-1,618.06	957.47	887.32	70.15	13.648		
5,500.00	4,133.58	4,575.21	4,226.14	60.22	31.66	133.19	-1,794.11	-1,654.28	1,014.34	942.85	71.49	14.189		
5,600.00	4,194.19	4,655.83	4,295.65	61.71	32.49	133.71	-1,807.25	-1,692.96	1,071.39	998.43	72.96	14.685		
5,700.00	4,254.80	4,737.77	4,366.79	63.20	33.34	134.25	-1,820.48	-1,731.40	1,128.55	1,054.09	74.46	15.156		
5,800.00	4,315.41	4,826.15	4,442.92	64.69	34.26	134.71	-1,835.08	-1,773.83	1,185.55	1,109.33	76.21	15.556		
5,900.00	4,376.03	4,930.75	4,533.13	66.18	35.36	135.22	-1,853.50	-1,823.47	1,241.65	1,163.24	78.41	15.835		
6,000.00	4,436.64	5,056.70	4,642.20	67.67	36.65	135.87	-1,878.94	-1,881.07	1,295.51	1,214.46	81.05	15.984		
6,100.00	4,497.25	5,154.09	4,725.97	69.17	37.67	136.30	-1,900.98	-1,925.59	1,347.28	1,264.34	82.94	16.245		
6,200.00	4,557.86	5,223.00	4,784.59	70.66	38.41	136.51	-1,916.16	-1,958.47	1,399.71	1,315.53	84.19	16.626		
6,300.00	4,618.48	5,300.04	4,850.14	72.15	39.24	136.72	-1,932.51	-1,995.50	1,452.90	1,367.23	85.67	16.960		
6,400.00	4,679.09	5,396.23	4,932.88	73.64	40.24	137.05	-1,953.04	-2,040.05	1,505.96	1,418.40	87.56	17.199		
6,500.00	4,739.70	5,448.44	4,978.06	75.13	40.79	137.24	-1,964.11	-2,063.76	1,559.27	1,470.94	88.33	17.652		
6,600.00	4,800.31	5,510.00	5,031.30	76.62	41.42	137.42	-1,975.06	-2,092.64	1,615.12	1,525.76	89.36	18.075		
6,700.00	4,860.93	5,549.39	5,065.59	78.12	41.81	137.54	-1,981.29	-2,111.00	1,672.34	1,582.57	89.76	18.630		
6,800.00	4,921.54	5,634.60	5,141.28	79.61	42.64	137.93	-1,994.80	-2,147.72	1,730.04	1,638.77	91.27	18.956		
6,900.00	4,982.15	5,733.30	5,229.34	81.10	43.57	138.38	-2,010.85	-2,189.28	1,787.47	1,694.42	93.05	19.211		
7,000.00	5,042.76	5,843.30	5,325.80	82.60	44.66	138.73	-2,030.63	-2,238.30	1,843.45	1,748.23	95.22	19.360		
7,100.00	5,103.38	5,968.36	5,432.94	84.09	46.00	138.92	-2,054.69	-2,298.14	1,898.63	1,800.68	97.94	19.385		
7,200.00	5,163.99	6,086.94	5,533.96	85.58	47.28	139.09	-2,080.38	-2,354.61	1,951.54	1,851.07	100.46	19.426		
7,300.00	5,224.60	6,128.82	5,570.27	87.07	47.71	139.19	-2,089.26	-2,373.49	2,004.82	1,903.75	101.07	19.835		
7,400.00	5,285.21	6,179.00	5,613.65	88.57	48.23	139.28	-2,098.87	-2,396.81	2,059.83	1,957.95	101.88	20.219		
7,500.00	5,345.83	6,225.89	5,653.84	90.06	48.74	139.33	-2,107.08	-2,419.51	2,116.22	2,013.58	102.65	20.617		
7,600.00	5,406.44	6,289.92	5,707.90	91.56	49.44	139.34	-2,117.54	-2,452.19	2,173.65	2,069.74	103.91	20.918		
7,700.00	5,467.05	6,370.00	5,776.43	93.05	50.32	139.40	-2,130.96	-2,491.37	2,230.80	2,125.24	105.56	21.132		
7,800.00	5,527.66	6,427.71	5,826.69	94.54	50.90	139.50	-2,140.33	-2,518.14	2,288.55	2,182.02	106.53	21.482		
7,900.00	5,588.28	6,465.00	5,859.39	96.04	51.28	139.57	-2,145.67	-2,535.25	2,347.79	2,240.82	106.96	21.949		
8,000.00	5,648.89	6,532.63	5,918.84	97.53	51.96	139.70	-2,154.58	-2,566.23	2,407.93	2,299.76	108.17	22.261		
8,100.00	5,709.50	6,634.65	6,008.23	99.03	52.99	139.86	-2,167.72	-2,613.62	2,468.34	2,358.06	110.29	22.381		
8,200.00	5,770.11	6,826.82	6,172.86	100.52	55.05	139.98	-2,199.47	-2,707.42	2,524.89	2,410.05	114.83	21.987		
8,300.00	5,830.73	6,901.34	6,237.86	102.02	55.81	140.10	-2,212.82	-2,741.32	2,581.12	2,464.90	116.22	22.209		
8,400.00	5,891.34	6,980.83	6,307.96	103.51	56.59	140.26	-2,226.80	-2,776.12	2,637.65	2,519.99	117.66	22.418		
8,500.00	5,951.95	7,064.86	6,382.15	105.01	57.41	140.43	-2,241.70	-2,812.64	2,694.07	2,574.89	119.18	22.605		
8,600.00	6,012.57	7,134.00	6,443.53	106.50	58.07	140.59	-2,253.83	-2,842.07	2,750.70	2,630.35	120.35	22.856		
8,700.00	6,073.18	7,210.20	6,510.84	108.00	58.82	140.73	-2,266.92	-2,875.29	2,807.61	2,685.90	121.71	23.067		
8,800.00	6,133.79	7,289.66	6,580.27	109.49	59.62	140.83	-2,280.35	-2,911.52	2,864.74	2,741.52	123.22	23.249		
8,900.00	6,194.40	7,388.81	6,667.24	110.98	60.61	140.96	-2,297.30	-2,956.02	2,921.74	2,796.59	125.16	23.345		
9,000.00	6,255.02	7,561.32	6,814.77	112.48	62.47	141.03	-2,330.17	-3,039.02	2,976.83	2,847.86	128.97	23.081		
9,100.00	6,315.63	7,638.51	6,879.59	113.98	63.34	141.02	-2,345.83	-3,077.90	3,030.98	2,900.36	130.62	23.205		
9,200.00	6,376.24	7,707.00	6,938.74	115.47	64.07	141.08	-2,359.37	-3,109.65	3,085.64	2,953.70	131.94	23.386		
9,300.00	6,436.85	7,836.50	7,050.66	116.97	65.42	141.19	-2,385.79	-3,169.14	3,139.82	3,005.24	134.57	23.331		
9,400.00	6,497.47	7,877.85	7,084.47	118.46	65.95	141.14	-2,394.16	-3,191.40	3,193.88	3,058.40	135.48	23.574		
9,500.00	6,558.08	7,937.00	7,130.03	119.96	66.72	140.97	-2,404.76	-3,227.56	3,249.33	3,112.34	136.99	23.720		
9,600.00	6,618.69	7,971.17	7,154.59	121.45	67.26	140.81	-2,410.33	-3,250.65	3,305.54	3,167.63	137.91	23.968		
9,700.00	6,679.30	8,033.00	7,195.16	122.95	68.25	140.42	-2,420.12	-3,296.22	3,362.18	3,222.30	139.89	24.035		
9,800.00	6,739.92	8,033.00	7,195.16	124.44	68.25	140.42	-2,420.12	-3,296.22	3,420.32	3,280.75	139.56	24.507		
9,900.00	6,799.82	8,079.49	7,222.22	125.96	69.10	132.62	-2,426.29	-3,333.49	3,478.33	3,337.22	141.11	24.649		
10,000.00	6,854.86	8,128.00	7,247.14	127.56	69.98	120.75	-2,430.55	-3,374.88	3,532.98	3,390.32	142.65	24.766		
10,100.00	6,902.95	8,128.00	7,247.14	129.22	69.98	111.50	-2,430.55	-3,374.88	3,580.59	3,438.68	141.91	25.231		
10,200.00	6,942.63	8,183.29	7,270.80	130.85	71.09	104.41	-2,433.77	-3,424.71	3,620.76	3,477.10	143.66	25.203		
10,300.00	6,972.70	8,360.57	7,313.36	132.42	74.80	99.28	-2,442.15	-3,596.06	3,650.51	3,498.89	151.62	24.077		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,992.24	8,445.47	7,316.30	133.85	76.63	96.24	-2,446.25	-3,680.76	3,666.82	3,511.80	155.02	23.654		
10,500.00	7,000.67	8,510.00	7,316.45	135.10	78.03	95.11	-2,447.77	-3,745.27	3,673.01	3,515.65	157.37	23.340		
10,600.00	7,001.00	8,510.00	7,316.45	136.21	78.03	95.10	-2,447.77	-3,745.27	3,671.82	3,515.47	156.34	23.486		
10,635.45	7,001.00	8,538.01	7,316.61	136.61	78.64	95.10	-2,447.89	-3,773.28	3,671.67	3,514.20	157.46	23.318		
10,700.00	7,001.00	8,564.91	7,316.95	137.35	79.22	95.11	-2,447.74	-3,800.17	3,672.01	3,513.80	158.21	23.210		
10,800.00	7,001.00	8,608.09	7,317.89	138.52	80.16	95.12	-2,446.96	-3,843.33	3,673.84	3,514.38	159.46	23.039		
10,900.00	7,001.00	8,741.27	7,321.90	139.72	83.11	95.18	-2,444.50	-3,976.43	3,675.77	3,510.13	165.64	22.191		
11,000.00	7,001.00	8,840.76	7,327.14	140.95	85.35	95.26	-2,443.13	-4,075.77	3,677.49	3,507.43	170.06	21.625		
11,100.00	7,001.00	8,933.43	7,331.69	142.22	87.46	95.33	-2,441.82	-4,168.32	3,679.22	3,505.07	174.15	21.126		
11,200.00	7,001.00	9,025.13	7,332.41	143.52	89.56	95.34	-2,439.82	-4,259.99	3,681.33	3,503.10	178.23	20.655		
11,300.00	7,001.00	9,347.88	7,329.46	144.85	97.12	95.30	-2,442.02	-4,582.64	3,680.43	3,485.40	195.02	18.872		
11,400.00	7,001.00	9,447.78	7,331.01	146.21	99.51	95.33	-2,446.10	-4,682.45	3,676.37	3,476.68	199.69	18.410		
11,500.00	7,001.00	9,533.49	7,331.85	147.61	101.58	95.34	-2,449.28	-4,768.09	3,672.64	3,469.02	203.62	18.037		
11,600.00	7,001.00	9,694.87	7,333.81	149.03	105.51	95.39	-2,457.18	-4,929.25	3,667.42	3,455.73	211.70	17.324		
11,700.00	7,001.00	9,751.00	7,333.74	150.49	106.89	95.39	-2,459.52	-4,985.34	3,662.99	3,448.91	214.08	17.110		
11,800.00	7,001.00	9,810.21	7,333.75	151.98	108.34	95.39	-2,461.31	-5,044.52	3,659.72	3,443.08	216.64	16.893		
11,900.00	7,001.00	9,847.00	7,334.42	153.50	109.24	95.40	-2,462.34	-5,081.29	3,657.42	3,439.49	217.93	16.782		
12,000.00	7,001.00	9,908.58	7,335.36	155.05	110.76	95.42	-2,463.19	-5,142.85	3,656.34	3,435.73	220.61	16.574		
12,100.00	7,001.00	10,073.56	7,335.11	156.62	114.83	95.42	-2,464.54	-5,307.81	3,655.40	3,426.26	229.15	15.952		
12,200.00	7,001.00	10,134.00	7,335.32	158.23	116.33	95.42	-2,464.99	-5,368.24	3,654.36	3,422.55	231.81	15.764		
12,300.00	7,001.00	10,229.00	7,335.55	159.87	118.70	95.44	-2,466.21	-5,463.22	3,653.10	3,416.66	236.45	15.450		
12,362.73	7,001.00	10,266.99	7,337.21	160.91	119.65	95.45	-2,466.75	-5,501.20	3,652.49	3,414.36	238.13	15.338		
12,400.00	7,001.00	10,277.13	7,337.34	161.53	119.90	95.46	-2,466.71	-5,511.34	3,652.63	3,414.22	238.41	15.321		
12,500.00	7,001.00	10,324.00	7,337.70	163.22	121.07	95.46	-2,465.53	-5,558.19	3,654.56	3,414.28	240.28	15.210		
12,600.00	7,001.00	10,406.58	7,338.61	164.94	123.13	95.47	-2,462.67	-5,640.72	3,657.81	3,413.58	244.23	14.977		
12,700.00	7,001.00	10,590.97	7,340.09	166.69	127.77	95.49	-2,460.52	-5,825.08	3,658.56	3,404.41	254.15	14.396		
12,800.00	7,001.00	10,720.41	7,339.58	168.46	131.05	95.48	-2,460.28	-5,954.51	3,658.59	3,397.74	260.85	14.026		
12,900.00	7,001.00	10,814.72	7,338.30	170.26	133.44	95.46	-2,460.29	-6,048.81	3,658.31	3,392.76	265.56	13.776		
13,000.00	7,001.00	10,940.35	7,338.51	172.08	136.65	95.47	-2,460.81	-6,174.44	3,657.81	3,385.74	272.07	13.444		
13,100.00	7,001.00	11,111.03	7,341.78	173.92	141.02	95.52	-2,464.58	-6,345.04	3,655.52	3,374.40	281.12	13.003		
13,200.00	7,001.00	11,185.00	7,343.91	175.79	142.93	95.56	-2,466.35	-6,418.95	3,653.20	3,368.47	284.73	12.830		
13,300.00	7,001.00	11,273.97	7,345.15	177.68	145.22	95.58	-2,467.90	-6,507.89	3,651.44	3,362.24	289.19	12.626		
13,400.00	7,001.00	11,519.26	7,350.60	179.60	151.57	95.69	-2,479.16	-6,752.82	3,646.09	3,343.79	302.30	12.061		
13,500.00	7,001.00	11,567.00	7,350.66	181.53	152.81	95.69	-2,481.77	-6,800.48	3,640.74	3,336.18	304.56	11.954		
13,600.00	7,001.00	11,605.55	7,349.73	183.49	153.80	95.68	-2,483.18	-6,838.99	3,636.97	3,330.72	306.26	11.875		
13,700.00	7,001.00	11,663.00	7,346.83	185.47	155.28	95.63	-2,483.34	-6,896.36	3,635.53	3,326.55	308.98	11.766		
13,757.86	7,001.00	11,663.00	7,346.83	186.63	155.28	95.63	-2,483.34	-6,896.36	3,635.06	3,326.45	308.61	11.779		
13,800.00	7,001.00	11,663.00	7,346.83	187.47	155.28	95.63	-2,483.34	-6,896.36	3,635.31	3,327.00	308.30	11.791		
13,900.00	7,001.00	11,711.94	7,343.87	189.49	156.54	95.59	-2,482.12	-6,945.19	3,637.12	3,326.71	310.41	11.717		
14,000.00	7,001.00	11,759.00	7,341.59	191.53	157.75	95.55	-2,480.26	-6,992.16	3,640.44	3,328.09	312.35	11.655		
14,100.00	7,001.00	11,791.19	7,340.36	193.58	158.58	95.52	-2,478.48	-7,024.28	3,645.40	3,332.08	313.32	11.635		
14,200.00	7,001.00	11,854.00	7,338.72	195.66	160.19	95.49	-2,473.45	-7,086.86	3,652.54	3,336.39	316.15	11.553		
14,300.00	7,001.00	12,027.40	7,342.72	197.75	164.67	95.54	-2,461.61	-7,259.77	3,660.17	3,334.23	325.94	11.230		
14,400.00	7,001.00	12,181.29	7,343.58	199.85	168.67	95.54	-2,454.33	-7,413.46	3,665.07	3,330.63	334.44	10.959		
14,500.00	7,001.00	12,773.72	7,356.61	201.98	184.20	95.79	-2,481.71	-8,004.17	3,654.53	3,287.91	366.63	9.968		
14,600.00	7,001.00	12,805.00	7,356.94	204.12	185.02	95.80	-2,484.62	-8,035.31	3,645.39	3,277.02	368.38	9.896		
14,700.00	7,001.00	12,805.00	7,356.94	206.27	185.02	95.80	-2,484.62	-8,035.31	3,638.61	3,270.25	368.36	9.878		
14,800.00	7,001.00	12,865.92	7,356.48	208.45	186.62	95.80	-2,488.45	-8,096.10	3,632.78	3,261.31	371.46	9.780		
14,900.00	7,001.00	12,901.00	7,355.85	210.63	187.54	95.79	-2,489.43	-8,131.16	3,629.44	3,256.35	373.09	9.728		
15,000.00	7,001.00	12,966.84	7,354.48	212.83	189.28	95.77	-2,490.37	-8,196.98	3,627.58	3,251.18	376.39	9.638		
15,100.00	7,001.00	13,053.27	7,352.79	215.04	191.55	95.74	-2,491.32	-8,283.39	3,626.15	3,245.30	380.86	9.521		
15,183.60	7,001.00	13,092.00	7,351.94	216.90	192.57	95.73	-2,491.63	-8,322.11	3,625.43	3,242.79	382.64	9.475		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 - PATT 901													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,200.00	7,001.00	13,092.00	7,351.94	217.27	192.57	95.73	-2,491.63	-8,322.11	3,625.47	3,242.93	382.53	9.478		
15,300.00	7,001.00	13,148.58	7,350.48	219.51	194.06	95.71	-2,491.25	-8,378.67	3,626.09	3,240.89	385.20	9.414		
15,400.00	7,001.00	13,187.00	7,349.28	221.76	195.08	95.69	-2,490.08	-8,417.05	3,628.62	3,241.92	386.70	9.384		
15,500.00	7,001.00	13,354.60	7,344.65	224.02	199.49	95.61	-2,485.46	-8,584.51	3,630.91	3,234.81	396.09	9.167		
15,600.00	7,001.00	13,434.93	7,342.58	226.30	201.61	95.57	-2,484.09	-8,664.80	3,632.31	3,232.13	400.18	9.077		
15,700.00	7,001.00	13,493.35	7,340.61	228.58	203.15	95.54	-2,482.21	-8,723.15	3,634.99	3,232.08	402.91	9.022		
15,800.00	7,001.00	13,583.87	7,335.95	230.88	205.53	95.46	-2,478.53	-8,813.48	3,638.41	3,230.79	407.62	8.926		
15,900.00	7,001.00	13,746.83	7,324.67	233.19	209.82	95.28	-2,473.49	-8,975.97	3,640.54	3,223.77	416.77	8.735		
16,000.00	7,001.00	13,836.75	7,318.05	235.50	212.19	95.17	-2,471.38	-9,065.61	3,642.12	3,220.66	421.46	8.642		
16,100.00	7,001.00	14,003.21	7,305.34	237.83	216.58	94.97	-2,468.49	-9,231.56	3,642.93	3,212.20	430.73	8.458		
16,200.00	7,001.00	14,202.59	7,286.48	240.17	221.83	94.67	-2,468.51	-9,430.03	3,642.21	3,200.50	441.71	8.246		
16,300.00	7,001.00	14,341.59	7,275.28	242.52	225.51	94.50	-2,471.79	-9,568.54	3,639.04	3,189.88	449.16	8.102		
16,400.00	7,001.00	14,415.36	7,268.35	244.87	227.46	94.39	-2,473.46	-9,641.97	3,635.88	3,182.86	453.03	8.026		
16,500.00	7,001.00	14,529.44	7,255.54	247.24	230.46	94.19	-2,475.70	-9,755.30	3,632.95	3,173.85	459.10	7.913		
16,600.00	7,001.00	14,685.97	7,237.75	249.61	234.58	93.92	-2,480.54	-9,910.74	3,628.86	3,161.42	467.44	7.763		
16,700.00	7,001.00	14,777.73	7,225.80	251.99	236.99	93.73	-2,483.97	-10,001.66	3,624.11	3,151.81	472.30	7.673		
16,800.00	7,001.00	14,879.68	7,212.41	254.38	239.67	93.53	-2,487.45	-10,102.66	3,619.70	3,142.00	477.70	7.577		
16,900.00	7,001.00	14,990.26	7,197.98	256.78	242.58	93.30	-2,491.59	-10,212.22	3,615.02	3,131.47	483.55	7.476		
17,000.00	7,001.00	15,064.52	7,189.36	259.18	244.54	93.17	-2,494.32	-10,285.92	3,610.54	3,123.05	487.49	7.406		
17,100.00	7,001.00	15,190.00	7,180.55	261.59	247.87	93.03	-2,499.64	-10,410.96	3,605.70	3,111.54	494.16	7.297		
17,200.00	7,001.00	15,243.56	7,178.20	264.01	249.30	93.00	-2,502.07	-10,464.41	3,601.16	3,104.16	496.99	7.246		
17,300.00	7,001.00	15,285.00	7,176.65	266.44	250.40	92.97	-2,502.94	-10,505.81	3,598.59	3,099.52	499.07	7.211		
17,400.00	7,001.00	15,377.63	7,173.65	268.87	252.88	92.93	-2,504.04	-10,598.38	3,597.07	3,093.08	503.99	7.137		
17,500.00	7,001.00	15,490.71	7,170.11	271.31	255.90	92.87	-2,505.85	-10,711.40	3,595.17	3,085.10	510.07	7.048		
17,600.00	7,001.00	15,585.39	7,166.48	273.75	258.43	92.82	-2,507.36	-10,806.00	3,593.26	3,078.14	515.12	6.976		
17,687.06	7,001.00	15,605.00	7,165.71	275.88	258.96	92.80	-2,507.67	-10,825.59	3,592.26	3,076.40	515.86	6.964		
17,700.00	7,001.00	15,605.00	7,165.71	276.20	258.96	92.80	-2,507.67	-10,825.59	3,592.28	3,076.50	515.78	6.965		
17,800.00	7,001.00	15,605.00	7,165.71	278.66	258.96	92.80	-2,507.67	-10,825.59	3,594.03	3,079.06	514.97	6.979		
17,900.00	7,001.00	15,605.00	7,165.71	281.12	258.96	92.80	-2,507.67	-10,825.59	3,598.56	3,084.78	513.78	7.004		
18,000.00	7,001.00	15,605.00	7,165.71	283.59	258.96	92.81	-2,507.67	-10,825.59	3,606.30	3,094.08	512.22	7.040		
18,100.00	7,001.00	15,605.00	7,165.71	286.09	258.96	92.82	-2,507.67	-10,825.59	3,619.82	3,109.51	510.32	7.093		
18,200.00	7,001.00	15,605.00	7,165.71	288.62	258.96	92.84	-2,507.67	-10,825.59	3,639.46	3,131.39	508.08	7.163		
18,300.00	7,001.00	15,605.00	7,165.71	291.16	258.96	92.84	-2,507.67	-10,825.59	3,663.37	3,157.84	505.53	7.247		
18,400.00	7,001.00	15,605.00	7,165.71	293.71	258.96	92.84	-2,507.67	-10,825.59	3,689.83	3,187.14	502.69	7.340		
18,500.00	7,001.00	15,605.00	7,165.71	296.26	258.96	92.84	-2,507.67	-10,825.59	3,718.80	3,219.22	499.57	7.444		
18,600.00	7,001.00	15,605.00	7,165.71	298.81	258.96	92.84	-2,507.67	-10,825.59	3,750.21	3,254.00	496.21	7.558		
18,700.00	7,001.00	15,605.00	7,165.71	301.36	258.96	92.84	-2,507.67	-10,825.59	3,784.00	3,291.40	492.60	7.682		
18,800.00	7,001.00	15,605.00	7,165.71	303.92	258.96	92.84	-2,507.67	-10,825.59	3,820.11	3,331.32	488.79	7.815		
18,900.00	7,001.00	15,605.00	7,165.71	306.48	258.96	92.84	-2,507.67	-10,825.59	3,858.48	3,373.69	484.78	7.959		
19,000.00	7,001.00	15,605.00	7,165.71	309.04	258.96	92.84	-2,507.67	-10,825.59	3,899.03	3,418.43	480.61	8.113		
19,100.00	7,001.00	15,605.00	7,165.71	311.61	258.96	92.84	-2,507.67	-10,825.59	3,941.70	3,465.43	476.28	8.276		
19,200.00	7,001.00	15,605.00	7,165.71	314.18	258.96	92.84	-2,507.67	-10,825.59	3,986.43	3,514.61	471.82	8.449		
19,300.00	7,001.00	15,605.00	7,165.71	316.75	258.96	92.84	-2,507.67	-10,825.59	4,033.14	3,565.89	467.25	8.632		
19,400.00	7,001.00	15,605.00	7,165.71	319.32	258.96	92.84	-2,507.67	-10,825.59	4,081.77	3,619.18	462.58	8.824		
19,500.00	7,001.00	15,605.00	7,165.71	321.90	258.96	92.84	-2,507.67	-10,825.59	4,132.24	3,674.40	457.84	9.025		
19,600.00	7,001.00	15,605.00	7,165.71	324.48	258.96	92.84	-2,507.67	-10,825.59	4,184.50	3,731.45	453.04	9.236		
19,700.00	7,001.00	15,605.00	7,165.71	327.05	258.96	92.80	-2,507.67	-10,825.59	4,237.82	3,789.65	448.17	9.456		
19,800.00	7,001.00	15,605.00	7,165.71	329.62	258.96	92.74	-2,507.67	-10,825.59	4,290.05	3,846.88	443.17	9.680		
19,900.00	7,001.00	15,605.00	7,165.71	332.16	258.96	92.69	-2,507.67	-10,825.59	4,341.01	3,902.98	438.04	9.910		
20,000.00	7,001.00	15,605.00	7,165.71	334.70	258.96	92.69	-2,507.67	-10,825.59	4,392.47	3,959.64	432.83	10.148		
20,100.00	7,001.00	15,605.00	7,165.71	337.24	258.96	92.69	-2,507.67	-10,825.59	4,445.57	4,017.97	427.60	10.396		
20,200.00	7,001.00	15,605.00	7,165.71	339.79	258.96	92.69	-2,507.67	-10,825.59	4,500.27	4,077.90	422.37	10.655		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ICE MAN 2W-15-1C - ORIGINAL WELLBORE - WB #1 - PATT 901												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,300.00	7,001.00	15,605.00	7,165.71	342.34	258.96	92.69	-2,507.67	-10,825.59	4,556.51	4,139.37	417.14	10.923	
20,400.00	7,001.00	15,605.00	7,165.71	344.89	258.96	92.69	-2,507.67	-10,825.59	4,614.24	4,202.31	411.92	11.202	
20,500.00	7,001.00	15,605.00	7,165.71	347.44	258.96	92.69	-2,507.67	-10,825.59	4,673.39	4,266.65	406.73	11.490	
20,600.00	7,001.00	15,605.00	7,165.71	350.00	258.96	92.69	-2,507.67	-10,825.59	4,733.91	4,332.34	401.57	11.789	
20,683.43	7,001.00	15,605.00	7,165.71	351.63	258.96	92.69	-2,507.67	-10,825.59	4,785.42	4,388.77	396.65	12.065	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	116.59	116.56	0.27	0.18	-167.15	-1,318.96	-300.99	1,353.17	1,352.73	0.44	3,063.186		
200.00	200.00	225.00	224.91	0.63	0.53	-167.15	-1,315.83	-300.04	1,350.11	1,348.96	1.15	1,170.234		
300.00	300.00	300.10	300.00	0.99	0.79	-167.16	-1,314.76	-299.78	1,348.55	1,346.78	1.78	758.235		
400.00	399.98	382.88	382.78	1.33	1.08	-15.42	-1,314.47	-300.11	1,346.62	1,344.21	2.41	558.896		
500.00	499.84	470.69	470.59	1.67	1.38	-15.47	-1,315.13	-300.84	1,342.48	1,339.43	3.05	440.188		
600.00	599.45	563.12	563.00	2.03	1.70	-15.58	-1,316.46	-301.60	1,335.66	1,331.94	3.72	359.343		
700.00	698.70	676.55	676.42	2.41	2.09	-15.76	-1,318.03	-302.88	1,325.55	1,321.08	4.47	296.365		
800.00	797.47	790.36	790.22	2.81	2.49	-16.04	-1,318.08	-303.30	1,310.60	1,305.36	5.24	250.125		
900.00	895.62	880.00	879.86	3.25	2.81	-16.32	-1,317.84	-304.07	1,292.18	1,286.25	5.93	217.994		
1,000.00	993.06	963.52	963.36	3.72	3.11	-16.62	-1,318.21	-305.59	1,271.37	1,264.77	6.60	192.577		
1,100.00	1,089.64	1,043.21	1,042.99	4.23	3.39	-16.92	-1,319.29	-308.37	1,248.52	1,241.25	7.27	171.688		
1,200.00	1,185.27	1,122.12	1,121.75	4.78	3.67	-17.19	-1,321.14	-313.00	1,223.85	1,215.90	7.95	153.936		
1,300.00	1,279.82	1,199.07	1,198.46	5.38	3.96	-17.49	-1,323.91	-318.37	1,197.38	1,188.75	8.63	138.674		
1,400.00	1,373.17	1,272.00	1,271.00	6.03	4.23	-17.79	-1,327.64	-324.86	1,169.51	1,160.19	9.32	125.519		
1,500.00	1,465.21	1,344.18	1,342.54	6.73	4.50	-18.05	-1,332.42	-333.12	1,140.36	1,130.35	10.02	113.855		
1,600.00	1,555.84	1,420.14	1,417.49	7.48	4.80	-18.28	-1,338.48	-343.92	1,109.85	1,099.10	10.75	103.259		
1,700.00	1,644.94	1,506.40	1,502.25	8.28	5.16	-18.51	-1,346.25	-357.92	1,077.54	1,066.00	11.54	93.367		
1,800.00	1,732.39	1,612.86	1,606.93	9.13	5.61	-18.86	-1,355.63	-374.84	1,041.91	1,029.48	12.43	83.794		
1,900.00	1,818.11	1,708.50	1,700.58	10.04	6.03	-19.10	-1,362.01	-393.09	1,001.85	988.55	13.31	75.275		
2,000.00	1,901.97	1,763.00	1,753.33	11.00	6.28	-19.23	-1,365.42	-406.34	959.94	945.89	14.05	68.316		
2,100.00	1,983.88	1,832.67	1,820.12	12.01	6.63	-19.25	-1,371.47	-425.21	917.56	902.68	14.88	61.650		
2,200.00	2,063.74	1,894.96	1,879.35	13.07	6.96	-19.32	-1,379.51	-442.72	875.84	860.13	15.71	55.767		
2,300.00	2,141.45	1,966.40	1,946.90	14.19	7.36	-19.41	-1,390.42	-463.24	833.49	816.90	16.59	50.245		
2,400.00	2,216.92	2,049.00	2,024.39	15.35	7.85	-19.43	-1,404.02	-488.40	789.64	772.10	17.54	45.008		
2,500.00	2,290.05	2,119.20	2,089.43	16.57	8.30	-19.38	-1,416.23	-511.80	744.34	725.86	18.48	40.289		
2,600.00	2,360.76	2,198.38	2,161.49	17.83	8.85	-19.05	-1,430.62	-541.27	697.84	678.38	19.46	35.855		
2,700.00	2,428.95	2,273.84	2,228.61	19.14	9.43	-18.38	-1,443.99	-573.04	649.52	629.09	20.43	31.791		
2,800.00	2,494.55	2,335.00	2,281.90	20.50	9.92	-17.64	-1,455.58	-600.72	600.74	579.42	21.32	28.177		
2,900.00	2,557.48	2,404.89	2,341.44	21.89	10.55	-16.48	-1,470.58	-634.10	552.35	530.12	22.23	24.846		
3,000.00	2,618.26	2,485.74	2,409.05	23.33	11.31	-14.58	-1,490.23	-673.84	504.97	481.84	23.14	21.824		
3,100.00	2,678.87	2,568.91	2,479.13	24.77	12.12	-12.29	-1,510.65	-713.71	457.84	433.83	24.00	19.075		
3,200.00	2,739.49	2,651.00	2,547.12	26.22	12.94	-9.33	-1,531.36	-754.77	413.03	388.28	24.74	16.691		
3,300.00	2,800.10	2,739.17	2,620.75	27.68	13.85	-5.66	-1,553.79	-797.76	369.02	343.55	25.46	14.492		
3,400.00	2,860.71	2,817.54	2,685.73	29.14	14.67	-1.74	-1,575.04	-836.08	328.06	301.99	26.06	12.588		
3,500.00	2,921.32	2,904.82	2,757.58	30.60	15.60	3.57	-1,599.86	-878.97	290.55	263.72	26.82	10.831		
3,600.00	2,981.94	3,001.83	2,838.46	32.07	16.62	10.68	-1,627.55	-924.82	254.80	226.63	28.17	9.045		
3,700.00	3,042.55	3,098.47	2,921.09	33.54	17.59	19.38	-1,654.51	-967.03	219.87	189.42	30.45	7.220		
3,800.00	3,103.16	3,188.70	2,999.57	35.01	18.46	30.52	-1,677.04	-1,005.41	188.17	153.72	34.46	5.461		
3,900.00	3,163.77	3,266.40	3,066.87	36.48	19.24	43.61	-1,693.29	-1,040.66	167.85	127.01	40.84	4.110		
3,951.79	3,195.16	3,306.43	3,100.96	37.25	19.65	51.23	-1,700.89	-1,060.20	165.04	120.13	44.91	3.675 CC		
4,000.00	3,224.39	3,345.29	3,133.78	37.96	20.07	58.58	-1,708.46	-1,079.59	167.34	118.65	48.69	3.437 ES		
4,100.00	3,285.00	3,431.63	3,206.24	39.44	20.99	73.44	-1,726.18	-1,123.06	184.59	129.39	55.20	3.344 SF		
4,200.00	3,345.61	3,517.86	3,279.92	40.92	21.91	86.09	-1,743.59	-1,164.33	212.72	153.61	59.11	3.599		
4,300.00	3,406.22	3,600.05	3,349.71	42.40	22.78	95.36	-1,760.42	-1,204.35	249.98	188.99	60.99	4.099		
4,400.00	3,466.84	3,685.11	3,421.16	43.88	23.71	102.40	-1,778.39	-1,246.85	292.75	230.33	62.42	4.690		
4,500.00	3,527.45	3,776.97	3,499.31	45.36	24.69	108.45	-1,798.30	-1,290.83	337.22	273.28	63.94	5.274		
4,600.00	3,588.06	3,857.78	3,568.45	46.84	25.54	112.70	-1,815.72	-1,328.86	383.67	318.95	64.72	5.928		
4,700.00	3,648.67	3,937.66	3,635.94	48.33	26.42	115.84	-1,832.72	-1,368.06	432.55	366.93	65.62	6.592		
4,800.00	3,709.29	4,022.27	3,706.21	49.81	27.38	118.24	-1,850.90	-1,411.53	482.88	415.91	66.97	7.210		
4,900.00	3,769.90	4,110.85	3,779.22	51.30	28.40	120.15	-1,870.55	-1,457.68	533.38	464.75	68.63	7.772		
5,000.00	3,830.51	4,199.27	3,851.85	52.78	29.44	121.69	-1,890.88	-1,503.83	583.60	513.26	70.35	8.296		
5,100.00	3,891.12	4,287.92	3,924.74	54.27	30.47	123.00	-1,911.53	-1,549.87	633.76	561.67	72.09	8.791		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,951.74	4,377.11	3,998.32	55.76	31.50	124.17	-1,932.72	-1,595.61	683.60	609.76	73.84	9.258		
5,300.00	4,012.35	4,464.20	4,071.84	57.25	32.45	125.43	-1,952.96	-1,637.66	733.43	658.08	75.35	9.734		
5,400.00	4,072.96	4,550.36	4,147.02	58.73	33.33	126.94	-1,972.19	-1,675.07	783.37	706.79	76.58	10.229		
5,500.00	4,133.58	4,634.13	4,219.95	60.22	34.17	128.20	-1,990.94	-1,711.76	833.69	755.92	77.77	10.720		
5,600.00	4,194.19	4,712.17	4,286.44	61.71	35.01	129.03	-2,008.51	-1,748.63	884.69	805.69	79.00	11.198		
5,700.00	4,254.80	4,795.68	4,357.25	63.20	35.91	129.76	-2,027.00	-1,788.85	936.28	855.80	80.48	11.634		
5,800.00	4,315.41	4,878.20	4,428.33	64.69	36.79	130.57	-2,044.86	-1,826.77	988.12	906.28	81.84	12.073		
5,900.00	4,376.03	4,967.38	4,504.10	66.18	37.77	131.21	-2,064.37	-1,869.56	1,040.14	956.59	83.55	12.449		
6,000.00	4,436.64	5,059.84	4,581.23	67.67	38.80	131.66	-2,085.57	-1,915.92	1,091.55	1,006.08	85.48	12.770		
6,100.00	4,497.25	5,146.52	4,655.25	69.17	39.75	132.24	-2,105.30	-1,956.47	1,142.81	1,055.74	87.08	13.124		
6,200.00	4,557.86	5,237.17	4,732.45	70.66	40.72	132.77	-2,126.30	-1,999.08	1,193.82	1,105.02	88.80	13.444		
6,300.00	4,618.48	5,319.00	4,800.79	72.15	41.65	133.07	-2,145.43	-2,039.80	1,244.95	1,154.53	90.42	13.769		
6,400.00	4,679.09	5,397.69	4,866.26	73.64	42.55	133.31	-2,163.54	-2,079.53	1,296.48	1,204.49	91.99	14.094		
6,500.00	4,739.70	5,500.24	4,951.91	75.13	43.73	133.63	-2,187.38	-2,130.64	1,347.79	1,253.54	94.25	14.300		
6,600.00	4,800.31	5,584.87	5,022.75	76.62	44.68	133.90	-2,207.69	-2,172.24	1,398.41	1,302.46	95.95	14.574		
6,700.00	4,860.93	5,670.79	5,095.90	78.12	45.61	134.26	-2,227.98	-2,212.48	1,449.20	1,351.63	97.57	14.853		
6,800.00	4,921.54	5,770.49	5,181.65	79.61	46.65	134.73	-2,251.77	-2,257.43	1,499.73	1,400.26	99.46	15.078		
6,900.00	4,982.15	5,841.09	5,242.64	81.10	47.39	135.08	-2,268.86	-2,288.61	1,549.96	1,449.37	100.59	15.409		
7,000.00	5,042.76	5,892.00	5,286.40	82.60	47.92	135.28	-2,280.44	-2,311.91	1,601.70	1,500.46	101.24	15.821		
7,100.00	5,103.38	5,963.85	5,348.17	84.09	48.68	135.54	-2,295.77	-2,345.25	1,654.65	1,552.18	102.47	16.148		
7,200.00	5,163.99	6,024.29	5,400.38	85.58	49.31	135.76	-2,307.86	-2,373.20	1,708.74	1,605.36	103.38	16.529		
7,300.00	5,224.60	6,084.00	5,452.10	87.07	49.93	135.97	-2,318.93	-2,400.92	1,764.07	1,659.80	104.27	16.919		
7,400.00	5,285.21	6,179.00	5,533.62	88.57	50.95	136.22	-2,336.74	-2,446.31	1,819.29	1,713.05	106.23	17.125		
7,500.00	5,345.83	6,251.06	5,594.52	90.06	51.76	136.33	-2,350.40	-2,482.34	1,874.51	1,766.87	107.64	17.414		
7,600.00	5,406.44	6,446.18	5,758.52	91.56	53.96	136.60	-2,391.37	-2,579.68	1,928.04	1,815.50	112.54	17.131		
7,700.00	5,467.05	6,529.70	5,828.67	93.05	54.89	136.73	-2,411.43	-2,620.33	1,978.82	1,864.58	114.24	17.321		
7,800.00	5,527.66	6,623.93	5,908.50	94.54	55.93	136.91	-2,433.75	-2,665.12	2,029.87	1,913.70	116.17	17.474		
7,900.00	5,588.28	6,718.91	5,988.34	96.04	57.00	137.05	-2,456.97	-2,711.06	2,080.27	1,962.12	118.15	17.607		
8,000.00	5,648.89	6,851.14	6,100.04	97.53	58.45	137.28	-2,490.42	-2,773.36	2,130.01	2,009.05	120.96	17.609		
8,100.00	5,709.50	6,944.00	6,178.20	99.03	59.48	137.45	-2,516.11	-2,816.41	2,177.43	2,054.63	122.80	17.732		
8,200.00	5,770.11	7,001.58	6,226.27	100.52	60.12	137.52	-2,531.76	-2,843.95	2,225.69	2,101.82	123.87	17.968		
8,300.00	5,830.73	7,039.00	6,257.89	102.02	60.54	137.58	-2,540.93	-2,861.75	2,276.07	2,151.66	124.41	18.295		
8,400.00	5,891.34	7,086.66	6,298.48	103.51	61.05	137.65	-2,551.71	-2,884.28	2,328.09	2,202.94	125.15	18.602		
8,500.00	5,951.95	7,134.00	6,339.09	105.01	61.56	137.74	-2,561.67	-2,906.47	2,381.48	2,255.62	125.86	18.922		
8,600.00	6,012.57	7,284.39	6,467.92	106.50	63.18	137.99	-2,594.54	-2,976.75	2,434.03	2,304.87	129.16	18.845		
8,700.00	6,073.18	7,362.83	6,534.43	108.00	64.03	138.09	-2,612.64	-3,014.19	2,485.71	2,355.01	130.70	19.019		
8,800.00	6,133.79	7,420.00	6,583.33	109.49	64.65	138.18	-2,625.33	-3,040.93	2,538.15	2,406.46	131.69	19.274		
8,900.00	6,194.40	7,473.93	6,629.60	110.98	65.23	138.26	-2,636.70	-3,066.20	2,591.57	2,458.99	132.58	19.547		
9,000.00	6,255.02	7,543.03	6,688.53	112.48	65.99	138.33	-2,650.41	-3,099.59	2,646.01	2,512.10	133.91	19.760		
9,100.00	6,315.63	7,659.14	6,784.59	113.98	67.38	138.32	-2,674.47	-3,160.10	2,699.68	2,562.96	136.72	19.746		
9,200.00	6,376.24	7,730.64	6,838.94	115.47	68.36	138.10	-2,689.40	-3,204.05	2,753.21	2,614.57	138.64	19.859		
9,300.00	6,436.85	7,783.16	6,875.61	116.97	69.17	137.83	-2,699.75	-3,240.18	2,807.55	2,667.42	140.14	20.034		
9,400.00	6,497.47	7,835.47	6,909.03	118.46	70.05	137.46	-2,709.35	-3,279.24	2,862.89	2,721.09	141.80	20.190		
9,500.00	6,558.08	7,898.00	6,944.34	119.96	71.15	136.90	-2,719.88	-3,329.72	2,919.26	2,775.22	144.04	20.267		
9,600.00	6,618.69	7,926.26	6,958.77	121.45	71.69	136.61	-2,724.26	-3,353.62	2,976.67	2,831.85	144.82	20.554		
9,700.00	6,679.30	7,962.59	6,976.29	122.95	72.39	136.21	-2,729.45	-3,385.01	3,035.42	2,889.45	145.97	20.795		
9,800.00	6,739.92	7,993.00	6,990.06	124.44	72.98	135.87	-2,733.42	-3,411.83	3,095.49	2,948.67	146.82	21.084		
9,900.00	6,799.82	8,034.96	7,007.43	125.96	73.83	127.92	-2,738.39	-3,449.70	3,155.80	3,007.54	148.25	21.287		
10,000.00	6,854.86	8,089.00	7,026.58	127.56	74.92	115.98	-2,743.98	-3,499.91	3,210.83	3,060.68	150.15	21.384		
10,100.00	6,902.95	8,120.95	7,036.67	129.22	75.59	106.86	-2,746.88	-3,530.09	3,258.18	3,107.43	150.75	21.613		
10,200.00	6,942.63	8,184.00	7,055.72	130.85	76.91	100.03	-2,751.84	-3,589.98	3,296.59	3,143.68	152.91	21.559		
10,300.00	6,972.70	8,219.38	7,064.90	132.42	77.66	95.40	-2,754.12	-3,624.07	3,324.83	3,171.33	153.50	21.661		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,992.24	8,280.00	7,075.07	133.85	78.95	92.61	-2,757.01	-3,683.72	3,342.42	3,186.96	155.46	21.500		
10,500.00	7,000.67	8,314.25	7,078.36	135.10	79.68	91.55	-2,758.06	-3,717.80	3,348.76	3,192.83	155.93	21.476		
10,600.00	7,001.00	8,375.00	7,082.01	136.21	80.99	91.59	-2,758.87	-3,778.42	3,347.64	3,189.70	157.94	21.196		
10,700.00	7,001.00	8,520.61	7,081.55	137.35	84.14	91.59	-2,761.10	-3,923.98	3,346.06	3,181.15	164.91	20.290		
10,800.00	7,001.00	8,596.69	7,078.99	138.52	85.80	91.54	-2,762.85	-4,000.00	3,343.62	3,175.74	167.88	19.916		
10,900.00	7,001.00	8,661.00	7,077.01	139.72	87.22	91.51	-2,763.24	-4,064.27	3,342.62	3,172.43	170.19	19.640		
10,925.41	7,001.00	8,661.00	7,077.01	140.03	87.22	91.51	-2,763.24	-4,064.27	3,342.53	3,172.71	169.81	19.683		
11,000.00	7,001.00	8,733.03	7,074.54	140.95	88.82	91.47	-2,763.00	-4,136.26	3,342.61	3,169.63	172.99	19.323		
11,100.00	7,001.00	8,802.63	7,071.96	142.22	90.37	91.42	-2,762.59	-4,205.81	3,343.03	3,167.37	175.66	19.031		
11,200.00	7,001.00	8,871.02	7,071.43	143.52	91.91	91.41	-2,761.37	-4,274.18	3,344.60	3,166.30	178.30	18.758		
11,300.00	7,001.00	9,016.73	7,069.39	144.85	95.22	91.38	-2,759.35	-4,419.86	3,345.81	3,160.11	185.70	18.017		
11,400.00	7,001.00	9,161.38	7,068.12	146.21	98.58	91.36	-2,759.76	-4,564.48	3,345.22	3,152.14	193.09	17.325		
11,500.00	7,001.00	9,279.44	7,067.96	147.61	101.36	91.35	-2,760.68	-4,682.54	3,344.33	3,145.42	198.91	16.813		
11,600.00	7,001.00	9,372.56	7,067.00	149.03	103.57	91.34	-2,761.93	-4,775.64	3,342.85	3,139.61	203.24	16.448		
11,700.00	7,001.00	9,450.11	7,065.66	150.49	105.42	91.31	-2,762.24	-4,853.19	3,342.23	3,135.59	206.64	16.174		
11,800.00	7,001.00	9,570.52	7,063.69	151.98	108.31	91.28	-2,762.99	-4,973.57	3,341.43	3,128.72	212.71	15.709		
11,900.00	7,001.00	9,661.70	7,065.56	153.50	110.52	91.31	-2,763.85	-5,064.73	3,340.41	3,123.38	217.03	15.392		
12,000.00	7,001.00	9,745.68	7,066.91	155.05	112.56	91.34	-2,764.16	-5,148.69	3,339.93	3,119.01	220.92	15.118		
12,100.00	7,001.00	9,928.42	7,067.32	156.62	117.04	91.34	-2,766.12	-5,331.41	3,339.01	3,108.08	230.92	14.459		
12,200.00	7,001.00	10,028.33	7,065.83	158.23	119.50	91.32	-2,768.93	-5,431.27	3,336.03	3,100.18	235.84	14.145		
12,300.00	7,001.00	10,094.00	7,063.80	159.87	121.13	91.29	-2,770.32	-5,496.90	3,333.73	3,095.06	238.68	13.968		
12,400.00	7,001.00	10,189.00	7,062.20	161.53	123.49	91.26	-2,771.76	-5,591.86	3,332.05	3,088.72	243.33	13.693		
12,500.00	7,001.00	10,285.00	7,061.70	163.22	125.88	91.25	-2,773.10	-5,687.85	3,330.51	3,082.43	248.07	13.425		
12,600.00	7,001.00	10,370.70	7,059.89	164.94	128.02	91.22	-2,774.06	-5,773.53	3,329.21	3,077.03	252.19	13.201		
12,673.60	7,001.00	10,409.67	7,058.94	166.22	129.00	91.20	-2,774.23	-5,812.48	3,328.79	3,075.08	253.71	13.120		
12,700.00	7,001.00	10,422.04	7,058.76	166.69	129.31	91.20	-2,774.19	-5,824.85	3,328.85	3,074.69	254.15	13.098		
12,800.00	7,001.00	10,476.00	7,058.67	168.46	130.66	91.20	-2,773.39	-5,878.81	3,330.08	3,073.82	256.26	12.995		
12,900.00	7,001.00	10,566.91	7,058.73	170.26	132.94	91.20	-2,771.30	-5,969.69	3,332.23	3,071.49	260.74	12.780		
13,000.00	7,001.00	10,651.40	7,057.41	172.08	135.06	91.18	-2,769.22	-6,054.14	3,334.52	3,069.72	264.80	12.592		
13,100.00	7,001.00	10,832.34	7,058.87	173.92	139.63	91.20	-2,767.24	-6,235.02	3,335.22	3,060.14	275.08	12.124		
13,200.00	7,001.00	10,976.67	7,062.53	175.79	143.32	91.26	-2,768.03	-6,379.31	3,334.56	3,051.57	282.99	11.783		
13,300.00	7,001.00	11,050.00	7,063.47	177.68	145.19	91.28	-2,768.53	-6,452.62	3,333.76	3,047.32	286.44	11.638		
13,338.34	7,001.00	11,074.60	7,063.54	178.41	145.82	91.28	-2,768.55	-6,477.22	3,333.69	3,046.15	287.54	11.594		
13,400.00	7,001.00	11,115.93	7,063.35	179.60	146.88	91.28	-2,768.36	-6,518.55	3,333.88	3,044.46	289.42	11.519		
13,500.00	7,001.00	11,280.63	7,060.75	181.53	151.09	91.23	-2,767.56	-6,683.20	3,334.64	3,036.02	298.62	11.167		
13,600.00	7,001.00	11,412.63	7,063.16	183.49	154.50	91.28	-2,770.30	-6,815.12	3,332.36	3,026.60	305.76	10.899		
13,700.00	7,001.00	11,514.78	7,064.02	185.47	157.14	91.29	-2,772.41	-6,917.24	3,330.17	3,019.12	311.05	10.706		
13,800.00	7,001.00	11,591.67	7,062.93	187.47	159.12	91.27	-2,773.89	-6,994.10	3,328.11	3,013.31	314.79	10.572		
13,900.00	7,001.00	11,733.14	7,062.54	189.49	162.79	91.27	-2,776.47	-7,135.51	3,326.27	3,003.75	322.52	10.313		
14,000.00	7,001.00	11,822.01	7,064.89	191.53	165.10	91.31	-2,778.71	-7,224.33	3,323.67	2,996.63	327.04	10.163		
14,100.00	7,001.00	11,972.31	7,068.83	193.58	169.02	91.38	-2,783.09	-7,374.51	3,320.85	2,985.56	335.30	9.904		
14,200.00	7,001.00	12,005.00	7,069.76	195.66	169.87	91.40	-2,784.52	-7,407.15	3,317.34	2,980.93	336.40	9.861		
14,300.00	7,001.00	12,101.00	7,071.19	197.75	172.38	91.42	-2,786.37	-7,503.11	3,315.31	2,973.94	341.37	9.712		
14,400.00	7,001.00	12,289.38	7,071.59	199.85	177.30	91.43	-2,790.90	-7,691.41	3,313.43	2,961.48	351.95	9.414		
14,500.00	7,001.00	12,369.82	7,070.53	201.98	179.40	91.41	-2,794.25	-7,771.77	3,309.11	2,953.11	356.00	9.295		
14,600.00	7,001.00	12,436.86	7,069.43	204.12	181.16	91.39	-2,796.53	-7,838.76	3,305.55	2,946.32	359.24	9.202		
14,700.00	7,001.00	12,481.00	7,069.56	206.27	182.32	91.40	-2,797.64	-7,882.89	3,303.17	2,942.15	361.02	9.149		
14,800.00	7,001.00	12,539.40	7,070.21	208.45	183.85	91.41	-2,798.26	-7,941.28	3,302.20	2,938.55	363.64	9.081		
14,804.45	7,001.00	12,541.39	7,070.23	208.54	183.90	91.41	-2,798.26	-7,943.26	3,302.19	2,938.48	363.72	9.079		
14,900.00	7,001.00	12,577.00	7,070.61	210.63	184.83	91.42	-2,797.98	-7,978.88	3,302.98	2,938.13	364.85	9.053		
15,000.00	7,001.00	12,636.55	7,071.41	212.83	186.39	91.43	-2,796.62	-8,038.40	3,305.27	2,937.84	367.43	8.996		
15,100.00	7,001.00	12,722.84	7,072.92	215.04	188.65	91.45	-2,793.38	-8,124.61	3,308.88	2,937.09	371.78	8.900		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,200.00	7,001.00	12,884.95	7,075.59	217.27	192.90	91.50	-2,789.62	-8,286.65	3,310.92	2,929.73	381.19	8.686		
15,300.00	7,001.00	12,958.00	7,077.07	219.51	194.81	91.52	-2,787.81	-8,359.67	3,313.21	2,928.51	384.70	8.612		
15,400.00	7,001.00	13,053.60	7,079.04	221.76	197.33	91.56	-2,784.99	-8,455.20	3,316.06	2,926.36	389.70	8.509		
15,500.00	7,001.00	13,177.15	7,081.92	224.02	200.58	91.60	-2,782.45	-8,578.70	3,318.00	2,921.46	396.55	8.367		
15,600.00	7,001.00	13,292.81	7,080.60	226.30	203.62	91.58	-2,780.02	-8,694.32	3,320.00	2,917.14	402.86	8.241		
15,700.00	7,001.00	13,455.88	7,073.77	228.58	207.92	91.46	-2,779.37	-8,857.23	3,320.01	2,907.84	412.16	8.055		
15,800.00	7,001.00	13,579.29	7,067.07	230.88	211.17	91.35	-2,779.83	-8,980.46	3,319.43	2,900.53	418.89	7.924		
15,900.00	7,001.00	13,704.38	7,058.64	233.19	214.47	91.20	-2,781.79	-9,105.25	3,317.51	2,891.82	425.70	7.793		
16,000.00	7,001.00	13,801.27	7,051.81	235.50	217.02	91.09	-2,783.42	-9,201.88	3,315.55	2,884.78	430.77	7.697		
16,100.00	7,001.00	13,859.83	7,048.15	237.83	218.57	91.02	-2,784.11	-9,260.32	3,314.19	2,880.71	433.48	7.645		
16,200.00	7,001.00	14,093.47	7,031.53	240.17	224.74	90.74	-2,789.10	-9,493.27	3,312.17	2,865.40	446.77	7.414		
16,300.00	7,001.00	14,172.07	7,025.35	242.52	226.81	90.63	-2,792.58	-9,571.55	3,307.57	2,856.79	450.79	7.337		
16,400.00	7,001.00	14,320.68	7,011.70	244.87	230.73	90.39	-2,799.05	-9,719.38	3,303.05	2,844.24	458.81	7.199		
16,500.00	7,001.00	14,387.00	7,006.75	247.24	232.49	90.31	-2,802.50	-9,785.42	3,297.81	2,835.65	462.16	7.136		
16,600.00	7,001.00	14,453.42	7,002.03	249.61	234.24	90.23	-2,805.29	-9,851.61	3,293.58	2,828.11	465.47	7.076		
16,700.00	7,001.00	14,517.03	6,996.70	251.99	235.93	90.13	-2,806.90	-9,914.98	3,290.82	2,822.26	468.56	7.023		
16,800.00	7,001.00	14,647.20	6,984.35	254.38	239.36	89.92	-2,809.73	-10,044.53	3,288.63	2,813.03	475.61	6.915		
16,900.00	7,001.00	14,769.00	6,971.30	256.78	242.58	89.69	-2,814.27	-10,165.54	3,284.72	2,802.61	482.11	6.813		
17,000.00	7,001.00	14,823.38	6,965.41	259.18	244.01	89.59	-2,816.03	-10,219.58	3,281.47	2,796.82	484.65	6.771		
17,100.00	7,001.00	14,974.77	6,951.06	261.59	248.02	89.34	-2,819.76	-10,370.23	3,279.32	2,786.39	492.93	6.653		
17,200.00	7,001.00	15,056.00	6,944.92	264.01	250.17	89.23	-2,822.90	-10,451.16	3,275.44	2,778.34	497.10	6.589		
17,300.00	7,001.00	15,128.27	6,940.15	266.44	252.09	89.14	-2,825.18	-10,523.24	3,272.29	2,771.56	500.73	6.535		
17,400.00	7,001.00	15,231.53	6,931.66	268.87	254.83	88.99	-2,827.67	-10,626.11	3,269.88	2,763.70	506.18	6.460		
17,500.00	7,001.00	15,444.00	6,907.84	271.31	260.44	88.57	-2,836.95	-10,837.01	3,265.68	2,747.90	517.78	6.307		
17,600.00	7,001.00	15,444.00	6,907.84	273.75	260.44	88.57	-2,836.95	-10,837.01	3,261.14	2,743.81	517.33	6.304		
17,698.04	7,001.00	15,444.00	6,907.84	276.15	260.44	88.57	-2,836.95	-10,837.01	3,259.67	2,743.22	516.45	6.312		
17,700.00	7,001.00	15,444.00	6,907.84	276.20	260.44	88.57	-2,836.95	-10,837.01	3,259.67	2,743.24	516.43	6.312		
17,800.00	7,001.00	15,444.00	6,907.84	278.66	260.44	88.57	-2,836.95	-10,837.01	3,261.26	2,746.20	515.07	6.332		
17,900.00	7,001.00	15,444.00	6,907.84	281.12	260.44	88.57	-2,836.95	-10,837.01	3,265.92	2,752.67	513.25	6.363		
18,000.00	7,001.00	15,444.00	6,907.84	283.59	260.44	88.57	-2,836.95	-10,837.01	3,274.07	2,763.07	511.00	6.407		
18,100.00	7,001.00	15,444.00	6,907.84	286.09	260.44	88.56	-2,836.95	-10,837.01	3,288.27	2,779.95	508.32	6.469		
18,200.00	7,001.00	15,444.00	6,907.84	288.62	260.44	88.55	-2,836.95	-10,837.01	3,308.85	2,803.59	505.26	6.549		
18,300.00	7,001.00	15,444.00	6,907.84	291.16	260.44	88.55	-2,836.95	-10,837.01	3,333.94	2,832.10	501.84	6.643		
18,400.00	7,001.00	15,444.00	6,907.84	293.71	260.44	88.55	-2,836.95	-10,837.01	3,361.83	2,863.74	498.09	6.749		
18,500.00	7,001.00	15,444.00	6,907.84	296.26	260.44	88.55	-2,836.95	-10,837.01	3,392.43	2,898.40	494.02	6.867		
18,600.00	7,001.00	15,444.00	6,907.84	298.81	260.44	88.55	-2,836.95	-10,837.01	3,425.68	2,936.00	489.68	6.996		
18,700.00	7,001.00	15,444.00	6,907.84	301.36	260.44	88.55	-2,836.95	-10,837.01	3,461.50	2,976.41	485.09	7.136		
18,800.00	7,001.00	15,444.00	6,907.84	303.92	260.44	88.55	-2,836.95	-10,837.01	3,499.81	3,019.54	480.27	7.287		
18,900.00	7,001.00	15,444.00	6,907.84	306.48	260.44	88.55	-2,836.95	-10,837.01	3,540.53	3,065.27	475.26	7.450		
19,000.00	7,001.00	15,444.00	6,907.84	309.04	260.44	88.55	-2,836.95	-10,837.01	3,583.58	3,113.50	470.08	7.623		
19,100.00	7,001.00	15,444.00	6,907.84	311.61	260.44	88.55	-2,836.95	-10,837.01	3,628.87	3,164.12	464.75	7.808		
19,200.00	7,001.00	15,444.00	6,907.84	314.18	260.44	88.55	-2,836.95	-10,837.01	3,676.33	3,217.01	459.32	8.004		
19,300.00	7,001.00	15,444.00	6,907.84	316.75	260.44	88.55	-2,836.95	-10,837.01	3,725.87	3,272.08	453.79	8.211		
19,400.00	7,001.00	15,444.00	6,907.84	319.32	260.44	88.55	-2,836.95	-10,837.01	3,777.41	3,329.21	448.19	8.428		
19,500.00	7,001.00	15,444.00	6,907.84	321.90	260.44	88.55	-2,836.95	-10,837.01	3,830.86	3,388.31	442.54	8.656		
19,600.00	7,001.00	15,444.00	6,907.84	324.48	260.44	88.55	-2,836.95	-10,837.01	3,886.15	3,449.28	436.87	8.895		
19,700.00	7,001.00	15,444.00	6,907.84	327.05	260.44	88.58	-2,836.95	-10,837.01	3,942.57	3,511.42	431.15	9.144		
19,800.00	7,001.00	15,444.00	6,907.84	329.62	260.44	88.61	-2,836.95	-10,837.01	3,998.01	3,572.70	425.31	9.400		
19,900.00	7,001.00	15,444.00	6,907.84	332.16	260.44	88.64	-2,836.95	-10,837.01	4,052.28	3,632.95	419.34	9.664		
20,000.00	7,001.00	15,444.00	6,907.84	334.70	260.44	88.64	-2,836.95	-10,837.01	4,107.11	3,693.79	413.32	9.937		
20,100.00	7,001.00	15,444.00	6,907.84	337.24	260.44	88.64	-2,836.95	-10,837.01	4,163.61	3,756.30	407.31	10.222		
20,200.00	7,001.00	15,444.00	6,907.84	339.79	260.44	88.64	-2,836.95	-10,837.01	4,221.73	3,820.39	401.34	10.519		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ICE MAN 2W-15-2N - ORIGINAL WELLBORE - WB #1 - PATT 901												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,300.00	7,001.00	15,444.00	6,907.84	342.34	260.44	88.64	-2,836.95	-10,837.01	4,281.39	3,885.98	395.41	10.828	
20,400.00	7,001.00	15,444.00	6,907.84	344.89	260.44	88.64	-2,836.95	-10,837.01	4,342.54	3,953.01	389.54	11.148	
20,500.00	7,001.00	15,444.00	6,907.84	347.44	260.44	88.64	-2,836.95	-10,837.01	4,405.11	4,021.39	383.72	11.480	
20,600.00	7,001.00	15,444.00	6,907.84	350.00	260.44	88.64	-2,836.95	-10,837.01	4,469.04	4,091.07	377.97	11.824	
20,683.43	7,001.00	15,444.00	6,907.84	351.63	260.44	88.64	-2,836.95	-10,837.01	4,523.38	4,150.77	372.61	12.140	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	87.05	87.05	0.27	0.12	-168.11	-1,342.60	-282.80	1,372.06	1,371.67	0.39	3,513.322		
200.00	200.00	189.38	189.37	0.63	0.39	-168.16	-1,342.92	-281.48	1,372.10	1,371.08	1.02	1,343.380		
300.00	300.00	301.84	301.82	0.99	0.79	-168.17	-1,342.45	-281.11	1,371.64	1,369.86	1.78	771.750		
400.00	399.98	401.12	401.10	1.33	1.14	-16.46	-1,341.36	-281.09	1,368.89	1,366.41	2.47	554.067		
500.00	499.84	500.71	500.68	1.67	1.49	-16.56	-1,340.50	-280.67	1,362.94	1,359.77	3.17	430.198		
600.00	599.45	588.77	588.74	2.03	1.81	-16.74	-1,340.17	-279.81	1,354.03	1,350.19	3.83	353.331		
700.00	698.70	679.44	679.40	2.41	2.12	-16.97	-1,340.54	-279.16	1,342.61	1,338.10	4.51	298.001		
800.00	797.47	766.68	766.64	2.81	2.42	-17.22	-1,341.29	-279.60	1,328.58	1,323.41	5.17	257.155		
900.00	895.62	855.51	855.44	3.25	2.72	-17.47	-1,342.58	-281.43	1,312.13	1,306.29	5.84	224.696		
1,000.00	993.06	940.11	939.99	3.72	3.01	-17.76	-1,344.34	-283.78	1,293.17	1,286.67	6.51	198.693		
1,100.00	1,089.64	1,021.42	1,021.13	4.23	3.29	-17.99	-1,346.60	-288.47	1,272.19	1,265.01	7.18	177.238		
1,200.00	1,185.27	1,101.04	1,100.40	4.78	3.58	-18.19	-1,349.42	-295.27	1,249.22	1,241.37	7.86	159.030		
1,300.00	1,279.82	1,176.00	1,174.82	5.38	3.85	-18.36	-1,353.01	-303.52	1,224.66	1,216.13	8.53	143.554		
1,400.00	1,373.17	1,264.94	1,262.92	6.03	4.18	-18.54	-1,358.10	-314.62	1,198.07	1,188.79	9.28	129.115		
1,500.00	1,465.21	1,328.89	1,326.10	6.73	4.43	-18.74	-1,362.56	-323.44	1,169.75	1,159.80	9.95	117.542		
1,600.00	1,555.84	1,398.56	1,394.54	7.48	4.72	-18.91	-1,369.14	-334.69	1,140.92	1,130.26	10.66	106.980		
1,700.00	1,644.94	1,477.22	1,471.55	8.28	5.05	-19.11	-1,377.54	-348.31	1,110.43	1,099.00	11.44	97.099		
1,800.00	1,732.39	1,556.00	1,548.22	9.13	5.40	-19.30	-1,387.43	-363.46	1,078.81	1,066.58	12.23	88.194		
1,900.00	1,818.11	1,617.32	1,607.53	10.04	5.69	-19.52	-1,396.43	-376.16	1,046.18	1,033.20	12.98	80.602		
2,000.00	1,901.97	1,698.79	1,685.90	11.00	6.10	-19.73	-1,409.48	-394.20	1,012.23	998.39	13.84	73.118		
2,100.00	1,983.88	1,784.93	1,767.85	12.01	6.56	-19.79	-1,422.85	-417.06	975.66	960.90	14.76	66.101		
2,200.00	2,063.74	1,857.00	1,835.35	13.07	6.98	-19.73	-1,434.60	-439.41	937.70	922.06	15.64	59.960		
2,300.00	2,141.45	1,930.83	1,903.41	14.19	7.46	-19.53	-1,447.49	-464.93	898.64	882.07	16.56	54.257		
2,400.00	2,216.92	2,002.69	1,968.61	15.35	7.97	-19.21	-1,460.77	-492.05	858.39	840.89	17.50	49.054		
2,500.00	2,290.05	2,070.46	2,028.95	16.57	8.48	-18.78	-1,474.27	-519.79	817.46	799.03	18.43	44.366		
2,600.00	2,360.76	2,143.00	2,092.14	17.83	9.07	-18.16	-1,490.53	-551.47	776.62	757.24	19.38	40.063		
2,700.00	2,428.95	2,203.31	2,143.65	19.14	9.61	-17.57	-1,505.40	-579.09	735.68	715.39	20.28	36.275		
2,800.00	2,494.55	2,285.90	2,213.24	20.50	10.38	-16.55	-1,527.07	-617.95	694.12	672.82	21.29	32.596		
2,900.00	2,557.48	2,380.98	2,293.96	21.89	11.28	-15.32	-1,552.02	-661.56	649.51	627.14	22.37	29.030		
3,000.00	2,618.26	2,474.92	2,374.59	23.33	12.17	-13.90	-1,576.21	-703.24	601.87	578.46	23.41	25.709		
3,100.00	2,678.87	2,563.99	2,451.64	24.77	13.01	-12.31	-1,598.71	-741.85	553.56	529.18	24.38	22.708		
3,200.00	2,739.49	2,650.73	2,526.00	26.22	13.85	-10.20	-1,619.82	-781.19	505.69	480.45	25.24	20.032		
3,300.00	2,800.10	2,736.10	2,599.46	27.68	14.70	-7.76	-1,640.30	-819.56	458.00	431.95	26.05	17.581		
3,400.00	2,860.71	2,811.00	2,662.75	29.14	15.47	-4.95	-1,658.84	-855.05	412.99	386.27	26.72	15.455		
3,500.00	2,921.32	2,893.61	2,731.39	30.60	16.36	-1.01	-1,679.74	-895.98	371.10	343.72	27.39	13.551		
3,600.00	2,981.94	2,984.71	2,807.27	32.07	17.35	4.27	-1,702.71	-940.86	331.15	302.93	28.22	11.733		
3,700.00	3,042.55	3,077.39	2,885.53	33.54	18.33	10.76	-1,725.65	-984.90	292.62	263.14	29.49	9.923		
3,800.00	3,103.16	3,159.98	2,955.70	35.01	19.20	17.81	-1,746.24	-1,023.28	257.48	226.10	31.38	8.205		
3,900.00	3,163.77	3,245.82	3,027.90	36.48	20.11	26.56	-1,769.12	-1,063.68	229.46	194.79	34.67	6.619		
4,000.00	3,224.39	3,336.45	3,104.44	37.96	21.08	37.42	-1,793.57	-1,105.58	208.46	168.39	40.06	5.203		
4,100.00	3,285.00	3,428.73	3,183.39	39.44	22.03	50.08	-1,817.91	-1,146.71	195.59	148.12	47.47	4.120		
4,176.20	3,331.18	3,497.92	3,243.45	40.56	22.72	60.31	-1,835.65	-1,176.11	192.22	138.62	53.60	3.586 CC		
4,200.00	3,345.61	3,518.67	3,261.51	40.92	22.93	63.39	-1,841.01	-1,184.81	192.58	137.20	55.38	3.477 ES		
4,300.00	3,406.22	3,605.76	3,337.07	42.40	23.79	75.77	-1,864.28	-1,221.31	201.60	139.95	61.65	3.270 SF		
4,400.00	3,466.84	3,690.75	3,410.22	43.88	24.66	86.30	-1,887.82	-1,257.64	221.60	156.02	65.58	3.379		
4,500.00	3,527.45	3,771.67	3,478.90	45.36	25.51	94.48	-1,909.91	-1,294.27	251.29	183.68	67.60	3.717		
4,600.00	3,588.06	3,860.89	3,554.66	46.84	26.46	101.80	-1,933.58	-1,335.01	286.80	217.56	69.24	4.142		
4,700.00	3,648.67	3,950.29	3,630.45	48.33	27.42	107.54	-1,957.85	-1,375.74	325.30	254.81	70.49	4.615		
4,800.00	3,709.29	4,039.59	3,705.33	49.81	28.40	111.85	-1,983.22	-1,417.27	365.55	293.88	71.67	5.101		
4,900.00	3,769.90	4,128.86	3,780.06	51.30	29.38	115.31	-2,008.86	-1,458.82	407.02	334.18	72.84	5.588		
5,000.00	3,830.51	4,220.16	3,856.34	52.78	30.39	118.18	-2,035.48	-1,501.34	449.19	375.05	74.14	6.059		
5,100.00	3,891.12	4,311.09	3,932.13	54.27	31.41	120.52	-2,062.57	-1,543.64	491.56	416.09	75.47	6.513		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	3,951.74	4,401.16	4,007.31	55.76	32.40	122.50	-2,089.59	-1,585.25	534.22	457.43	76.79	6.957		
5,300.00	4,012.35	4,489.47	4,082.05	57.25	33.34	124.37	-2,115.66	-1,624.39	577.30	499.36	77.94	7.407		
5,400.00	4,072.96	4,571.90	4,153.33	58.73	34.18	126.19	-2,139.03	-1,658.58	621.25	542.50	78.75	7.889		
5,500.00	4,133.58	4,650.08	4,221.08	60.22	34.97	127.71	-2,160.21	-1,691.33	666.88	587.42	79.46	8.393		
5,600.00	4,194.19	4,729.00	4,288.81	61.71	35.79	128.92	-2,180.88	-1,726.15	714.07	633.70	80.37	8.885		
5,700.00	4,254.80	4,817.66	4,365.02	63.20	36.72	130.13	-2,203.77	-1,765.25	761.87	680.21	81.66	9.330		
5,800.00	4,315.41	4,920.94	4,452.67	64.69	37.82	131.21	-2,231.78	-1,812.12	808.91	725.35	83.56	9.680		
5,900.00	4,376.03	5,008.00	4,525.58	66.18	38.79	131.89	-2,256.39	-1,852.84	855.23	770.15	85.08	10.053		
6,000.00	4,436.64	5,089.45	4,594.60	67.67	39.67	132.57	-2,278.97	-1,889.71	901.96	815.64	86.32	10.449		
6,100.00	4,497.25	5,203.20	4,690.98	69.17	40.90	133.44	-2,311.20	-1,940.78	948.29	859.75	88.54	10.710		
6,200.00	4,557.86	5,291.68	4,765.33	70.66	41.87	134.00	-2,337.65	-1,980.78	993.26	903.19	90.07	11.028		
6,300.00	4,618.48	5,384.79	4,844.51	72.15	42.86	134.67	-2,365.53	-2,021.07	1,038.09	946.49	91.60	11.332		
6,400.00	4,679.09	5,474.28	4,921.34	73.64	43.77	135.35	-2,392.40	-2,058.26	1,082.80	989.85	92.95	11.650		
6,500.00	4,739.70	5,554.34	4,990.38	75.13	44.60	135.96	-2,416.25	-2,091.02	1,127.82	1,033.76	94.06	11.991		
6,600.00	4,800.31	5,626.13	5,051.67	76.62	45.35	136.36	-2,436.94	-2,122.17	1,173.98	1,078.91	95.07	12.348		
6,700.00	4,860.93	5,701.00	5,115.31	78.12	46.15	136.69	-2,457.29	-2,155.94	1,221.70	1,125.45	96.26	12.692		
6,800.00	4,921.54	5,771.74	5,175.94	79.61	46.89	137.02	-2,475.67	-2,187.40	1,270.50	1,173.21	97.29	13.059		
6,900.00	4,982.15	5,842.99	5,237.90	81.10	47.61	137.41	-2,493.68	-2,217.63	1,320.00	1,221.75	98.25	13.435		
7,000.00	5,042.76	5,909.16	5,295.61	82.60	48.28	137.76	-2,509.47	-2,245.88	1,370.79	1,271.70	99.09	13.834		
7,100.00	5,103.38	5,974.45	5,352.06	84.09	48.95	138.01	-2,524.19	-2,275.19	1,422.85	1,322.86	99.99	14.230		
7,200.00	5,163.99	6,113.12	5,468.50	85.58	50.49	138.21	-2,556.95	-2,342.94	1,474.09	1,370.72	103.38	14.260		
7,300.00	5,224.60	6,214.41	5,553.68	87.07	51.63	138.39	-2,583.34	-2,390.95	1,523.10	1,417.59	105.51	14.436		
7,400.00	5,285.21	6,308.44	5,633.07	88.57	52.66	138.59	-2,608.25	-2,434.76	1,571.73	1,464.36	107.37	14.639		
7,500.00	5,345.83	6,399.77	5,710.33	90.06	53.66	138.79	-2,633.00	-2,476.70	1,619.80	1,510.67	109.13	14.843		
7,600.00	5,406.44	6,474.14	5,772.81	91.56	54.49	138.91	-2,652.79	-2,511.86	1,668.34	1,557.84	110.50	15.098		
7,700.00	5,467.05	6,557.53	5,842.64	93.05	55.43	139.00	-2,674.60	-2,551.89	1,717.31	1,605.15	112.16	15.311		
7,800.00	5,527.66	6,650.40	5,919.83	94.54	56.50	139.06	-2,698.93	-2,597.42	1,766.24	1,652.09	114.15	15.472		
7,900.00	5,588.28	6,735.14	5,989.92	96.04	57.48	139.09	-2,721.22	-2,639.51	1,815.07	1,699.12	115.95	15.654		
8,000.00	5,648.89	6,812.98	6,055.27	97.53	58.34	139.18	-2,741.48	-2,676.63	1,864.17	1,746.72	117.44	15.873		
8,100.00	5,709.50	6,905.39	6,134.27	99.03	59.34	139.38	-2,765.22	-2,718.28	1,913.57	1,794.37	119.20	16.054		
8,200.00	5,770.11	6,992.57	6,208.23	100.52	60.29	139.52	-2,788.06	-2,758.38	1,962.51	1,841.64	120.88	16.236		
8,300.00	5,830.73	7,074.54	6,276.45	102.02	61.22	139.55	-2,809.21	-2,798.60	2,011.81	1,889.25	122.56	16.415		
8,400.00	5,891.34	7,161.56	6,349.27	103.51	62.20	139.62	-2,831.69	-2,840.61	2,061.09	1,936.74	124.35	16.575		
8,500.00	5,951.95	7,229.00	6,406.71	105.01	62.93	139.72	-2,848.99	-2,871.40	2,110.61	1,985.10	125.51	16.816		
8,600.00	6,012.57	7,299.42	6,468.26	106.50	63.62	139.93	-2,866.49	-2,900.78	2,160.85	2,034.29	126.55	17.075		
8,700.00	6,073.18	7,349.97	6,513.60	108.00	64.08	140.15	-2,878.37	-2,919.70	2,212.27	2,085.26	127.01	17.418		
8,800.00	6,133.79	7,392.66	6,552.39	109.49	64.44	140.36	-2,887.64	-2,934.92	2,265.27	2,138.05	127.22	17.806		
8,900.00	6,194.40	7,445.00	6,600.41	110.98	64.88	140.62	-2,898.05	-2,952.95	2,319.80	2,192.21	127.59	18.182		
9,000.00	6,255.02	7,518.36	6,667.57	112.48	65.48	140.97	-2,912.19	-2,978.85	2,375.00	2,246.57	128.43	18.493		
9,100.00	6,315.63	7,660.18	6,793.66	113.98	66.84	141.35	-2,940.39	-3,037.12	2,429.92	2,298.70	131.22	18.518		
9,200.00	6,376.24	7,802.37	6,913.88	115.47	68.38	141.39	-2,972.69	-3,105.79	2,481.81	2,347.29	134.51	18.450		
9,300.00	6,436.85	7,854.62	6,957.66	116.97	69.01	141.38	-2,984.59	-3,131.68	2,533.79	2,398.32	135.46	18.705		
9,400.00	6,497.47	8,024.92	7,080.01	118.46	71.47	140.50	-3,022.95	-3,242.79	2,584.98	2,443.78	141.20	18.307		
9,500.00	6,558.08	8,062.00	7,102.49	119.96	72.10	140.18	-3,031.08	-3,271.13	2,635.67	2,493.33	142.34	18.517		
9,600.00	6,618.69	8,089.00	7,118.06	121.45	72.56	139.92	-3,036.50	-3,292.52	2,688.08	2,545.07	143.01	18.796		
9,700.00	6,679.30	8,143.83	7,147.89	122.95	73.55	139.34	-3,046.53	-3,337.41	2,741.89	2,596.84	145.05	18.903		
9,800.00	6,739.92	8,184.00	7,168.33	124.44	74.28	138.89	-3,053.19	-3,371.34	2,797.11	2,650.73	146.38	19.109		
9,900.00	6,799.82	8,184.00	7,168.33	125.96	74.28	131.66	-3,053.19	-3,371.34	2,853.37	2,707.77	145.60	19.597		
10,000.00	6,854.86	8,231.21	7,189.83	127.56	75.18	119.99	-3,059.60	-3,412.86	2,904.82	2,757.78	147.04	19.756		
10,100.00	6,902.95	8,279.00	7,207.75	129.22	76.09	110.79	-3,063.86	-3,456.93	2,950.72	2,802.41	148.31	19.896		
10,200.00	6,942.63	8,309.30	7,216.90	130.85	76.70	103.93	-3,065.86	-3,485.75	2,988.56	2,840.09	148.47	20.129		
10,300.00	6,972.70	8,438.85	7,236.03	132.42	79.33	98.77	-3,074.38	-3,613.34	3,015.41	2,860.99	154.43	19.526		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	6,992.24	8,525.35	7,238.87	133.85	81.12	95.78	-3,079.24	-3,699.64	3,030.99	2,873.18	157.81	19.207		
10,500.00	7,000.67	8,661.13	7,241.72	135.10	83.97	94.73	-3,086.91	-3,835.18	3,034.54	2,870.35	164.19	18.482		
10,600.00	7,001.00	8,695.72	7,242.11	136.21	84.70	94.80	-3,088.76	-3,869.71	3,029.52	2,865.06	164.46	18.421		
10,700.00	7,001.00	8,756.00	7,242.20	137.35	85.98	94.80	-3,090.17	-3,929.97	3,026.60	2,860.30	166.30	18.200		
10,800.00	7,001.00	8,912.45	7,241.01	138.52	89.34	94.79	-3,094.22	-4,086.33	3,024.47	2,850.29	174.18	17.364		
10,900.00	7,001.00	8,996.30	7,239.80	139.72	91.18	94.77	-3,098.58	-4,170.06	3,019.17	2,841.57	177.60	17.000		
11,000.00	7,001.00	9,043.00	7,238.36	140.95	92.20	94.74	-3,099.75	-4,216.72	3,015.98	2,837.29	178.69	16.879		
11,100.00	7,001.00	9,193.29	7,235.51	142.22	95.55	94.70	-3,104.52	-4,366.89	3,012.51	2,826.10	186.40	16.161		
11,200.00	7,001.00	9,234.00	7,234.69	143.52	96.47	94.68	-3,106.10	-4,407.56	3,008.88	2,821.71	187.17	16.076		
11,300.00	7,001.00	9,284.50	7,233.79	144.85	97.61	94.67	-3,107.15	-4,458.03	3,006.97	2,818.43	188.55	15.948		
11,327.75	7,001.00	9,293.54	7,233.69	145.22	97.81	94.67	-3,107.16	-4,467.08	3,006.89	2,818.29	188.60	15.943		
11,400.00	7,001.00	9,329.00	7,233.46	146.21	98.61	94.66	-3,106.66	-4,502.53	3,007.55	2,818.03	189.51	15.870		
11,500.00	7,001.00	9,450.35	7,236.71	147.61	101.36	94.72	-3,105.48	-4,623.82	3,008.64	2,813.03	195.61	15.381		
11,600.00	7,001.00	9,521.00	7,239.33	149.03	102.98	94.77	-3,104.81	-4,694.41	3,009.73	2,811.37	198.37	15.173		
11,700.00	7,001.00	9,591.48	7,240.86	150.49	104.60	94.80	-3,103.36	-4,764.86	3,011.80	2,810.68	201.12	14.975		
11,800.00	7,001.00	9,716.06	7,240.98	151.98	107.48	94.80	-3,100.36	-4,889.40	3,014.12	2,806.57	207.55	14.522		
11,900.00	7,001.00	9,782.89	7,240.11	153.50	109.03	94.78	-3,098.67	-4,956.21	3,016.37	2,806.28	210.10	14.357		
12,000.00	7,001.00	9,872.35	7,238.49	155.05	111.12	94.74	-3,095.67	-5,045.59	3,019.42	2,805.22	214.20	14.096		
12,100.00	7,001.00	10,005.21	7,236.96	156.62	114.25	94.71	-3,091.79	-5,178.39	3,022.14	2,800.85	221.29	13.657		
12,200.00	7,001.00	10,084.49	7,236.98	158.23	116.14	94.70	-3,089.76	-5,257.64	3,024.56	2,799.79	224.76	13.457		
12,300.00	7,001.00	10,157.46	7,238.12	159.87	117.88	94.72	-3,087.47	-5,330.56	3,027.69	2,799.87	227.82	13.290		
12,400.00	7,001.00	10,227.82	7,238.81	161.53	119.56	94.73	-3,084.56	-5,400.86	3,031.75	2,801.07	230.69	13.142		
12,500.00	7,001.00	10,631.35	7,243.10	163.22	129.45	94.82	-3,088.35	-5,803.95	3,029.12	2,773.20	255.92	11.836		
12,600.00	7,001.00	10,703.05	7,243.55	164.94	131.24	94.83	-3,091.87	-5,875.56	3,024.14	2,765.05	259.09	11.672		
12,700.00	7,001.00	10,822.33	7,242.76	166.69	134.23	94.83	-3,097.18	-5,994.72	3,019.56	2,754.24	265.33	11.381		
12,800.00	7,001.00	10,936.99	7,241.20	168.46	137.11	94.81	-3,103.58	-6,109.18	3,013.69	2,742.42	271.28	11.109		
12,900.00	7,001.00	11,004.73	7,239.29	170.26	138.81	94.78	-3,106.81	-6,176.81	3,008.57	2,734.33	274.24	10.971		
13,000.00	7,001.00	11,241.00	7,239.74	172.08	144.80	94.81	-3,123.06	-6,412.43	3,001.41	2,713.58	287.83	10.428		
13,100.00	7,001.00	11,288.34	7,239.98	173.92	146.01	94.82	-3,127.76	-6,459.53	2,992.35	2,702.72	289.63	10.332		
13,200.00	7,001.00	11,337.00	7,239.61	175.79	147.24	94.82	-3,129.94	-6,508.13	2,986.75	2,695.29	291.46	10.248		
13,300.00	7,001.00	11,337.00	7,239.61	177.68	147.24	94.82	-3,129.94	-6,508.13	2,982.77	2,692.77	290.00	10.285		
13,400.00	7,001.00	11,432.00	7,238.19	179.60	149.65	94.80	-3,132.33	-6,603.09	2,980.03	2,685.27	294.76	10.110		
13,500.00	7,001.00	11,492.53	7,237.66	181.53	151.19	94.79	-3,133.53	-6,663.61	2,978.12	2,680.92	297.21	10.020		
13,558.71	7,001.00	11,527.00	7,237.73	182.68	152.07	94.79	-3,133.50	-6,698.08	2,978.01	2,679.47	298.55	9.975		
13,600.00	7,001.00	11,556.32	7,237.83	183.49	152.81	94.79	-3,133.30	-6,727.40	2,978.21	2,678.37	299.84	9.933		
13,700.00	7,001.00	11,730.61	7,235.92	185.47	157.25	94.76	-3,134.25	-6,901.67	2,977.50	2,667.46	310.04	9.604		
13,800.00	7,001.00	11,776.53	7,235.79	187.47	158.42	94.76	-3,134.58	-6,947.59	2,976.46	2,664.95	311.51	9.555		
13,817.96	7,001.00	11,786.27	7,235.87	187.83	158.67	94.76	-3,134.59	-6,957.32	2,976.44	2,664.57	311.87	9.544		
13,900.00	7,001.00	11,849.16	7,236.95	189.49	160.28	94.78	-3,134.23	-7,020.20	2,976.86	2,662.09	314.77	9.457		
14,000.00	7,001.00	11,947.35	7,238.10	191.53	162.80	94.80	-3,133.67	-7,118.38	2,977.39	2,657.59	319.81	9.310		
14,100.00	7,001.00	12,102.05	7,236.93	193.58	166.76	94.78	-3,132.81	-7,273.07	2,978.07	2,649.32	328.75	9.059		
14,200.00	7,001.00	12,332.11	7,240.88	195.66	172.71	94.86	-3,137.87	-7,502.90	2,977.36	2,634.90	342.45	8.694		
14,300.00	7,001.00	12,386.00	7,243.36	197.75	174.11	94.91	-3,140.71	-7,556.65	2,972.48	2,627.82	344.66	8.624		
14,400.00	7,001.00	12,438.66	7,245.64	199.85	175.48	94.96	-3,142.66	-7,609.23	2,969.18	2,622.46	346.72	8.564		
14,500.00	7,001.00	12,486.66	7,247.71	201.98	176.72	95.00	-3,143.43	-7,657.17	2,967.75	2,619.36	348.39	8.518		
14,600.00	7,001.00	12,576.00	7,251.14	204.12	179.04	95.07	-3,144.09	-7,746.45	2,967.24	2,614.39	352.85	8.409		
14,628.50	7,001.00	12,597.43	7,251.82	204.73	179.60	95.08	-3,144.17	-7,767.87	2,967.18	2,613.33	353.85	8.386		
14,700.00	7,001.00	12,641.38	7,252.89	206.27	180.74	95.10	-3,144.00	-7,811.81	2,967.51	2,611.86	355.65	8.344		
14,800.00	7,001.00	12,802.96	7,253.93	208.45	184.94	95.12	-3,143.76	-7,973.37	2,967.70	2,602.57	365.13	8.128		
14,900.00	7,001.00	12,904.95	7,252.64	210.63	187.59	95.10	-3,144.64	-8,075.34	2,966.59	2,596.11	370.49	8.007		
15,000.00	7,001.00	13,005.96	7,250.02	212.83	190.23	95.05	-3,145.62	-8,176.32	2,965.26	2,589.47	375.80	7.891		
15,100.00	7,001.00	13,082.47	7,249.55	215.04	192.22	95.04	-3,146.25	-8,252.82	2,964.29	2,584.87	379.43	7.813		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,135.00	7,001.00	13,104.05	7,249.38	215.82	192.79	95.04	-3,146.26	-8,274.40	2,964.22	2,583.88	380.34	7.794		
15,200.00	7,001.00	13,148.00	7,248.74	217.27	193.93	95.03	-3,145.94	-8,318.34	2,964.49	2,582.22	382.28	7.755		
15,300.00	7,001.00	13,343.84	7,252.41	219.51	199.06	95.10	-3,148.45	-8,514.10	2,962.92	2,568.87	394.05	7.519		
15,400.00	7,001.00	13,398.85	7,254.02	221.76	200.51	95.14	-3,149.44	-8,569.07	2,961.22	2,564.95	396.27	7.473		
15,496.84	7,001.00	13,466.03	7,255.72	223.95	202.27	95.17	-3,149.73	-8,636.22	2,960.84	2,561.53	399.31	7.415		
15,500.00	7,001.00	13,468.79	7,255.79	224.02	202.34	95.17	-3,149.74	-8,638.99	2,960.84	2,561.39	399.45	7.412		
15,504.45	7,001.00	13,472.68	7,255.88	224.12	202.45	95.17	-3,149.74	-8,642.88	2,960.84	2,561.20	399.64	7.409		
15,600.00	7,001.00	13,529.00	7,257.29	226.30	203.92	95.20	-3,149.69	-8,699.18	2,961.21	2,559.30	401.90	7.368		
15,700.00	7,001.00	13,601.14	7,258.68	228.58	205.81	95.22	-3,148.78	-8,771.29	2,962.66	2,557.49	405.17	7.312		
15,800.00	7,001.00	13,757.46	7,259.77	230.88	209.92	95.24	-3,146.09	-8,927.59	2,964.48	2,550.04	414.44	7.153		
15,900.00	7,001.00	13,880.38	7,258.83	233.19	213.15	95.22	-3,145.93	-9,050.50	2,964.38	2,543.07	421.31	7.036		
16,000.00	7,001.00	14,095.71	7,253.06	235.50	218.82	95.12	-3,151.06	-9,265.67	2,961.14	2,526.89	434.24	6.819		
16,100.00	7,001.00	14,137.53	7,251.59	237.83	219.93	95.09	-3,152.43	-9,307.43	2,957.68	2,521.93	435.75	6.788		
16,200.00	7,001.00	14,197.00	7,249.07	240.17	221.49	95.05	-3,152.20	-9,366.85	2,956.95	2,518.63	438.32	6.746		
16,227.50	7,001.00	14,197.00	7,249.07	240.81	221.49	95.05	-3,152.20	-9,366.85	2,956.82	2,518.94	437.88	6.753		
16,300.00	7,001.00	14,215.86	7,248.18	242.52	221.99	95.03	-3,151.73	-9,385.68	2,957.67	2,519.75	437.92	6.754		
16,400.00	7,001.00	14,415.68	7,240.92	244.87	227.25	94.89	-3,150.83	-9,585.33	2,957.55	2,507.35	450.20	6.569		
16,500.00	7,001.00	14,497.96	7,239.57	247.24	229.43	94.86	-3,151.45	-9,667.59	2,956.48	2,502.18	454.30	6.508		
16,600.00	7,001.00	14,620.91	7,237.79	249.61	232.68	94.83	-3,153.55	-9,790.51	2,954.39	2,493.22	461.16	6.406		
16,700.00	7,001.00	14,684.36	7,235.75	251.99	234.36	94.79	-3,153.95	-9,853.93	2,953.32	2,489.33	463.99	6.365		
16,800.00	7,001.00	14,775.94	7,232.25	254.38	236.78	94.72	-3,153.79	-9,945.44	2,953.04	2,484.30	468.74	6.300		
16,900.00	7,001.00	14,898.94	7,227.72	256.78	240.04	94.64	-3,154.63	-10,068.35	2,951.81	2,476.16	475.65	6.206		
16,969.17	7,001.00	14,939.19	7,225.90	258.44	241.11	94.60	-3,154.63	-10,108.56	2,951.47	2,474.13	477.34	6.183		
17,000.00	7,001.00	14,960.00	7,224.85	259.18	241.66	94.58	-3,154.46	-10,129.34	2,951.54	2,473.25	478.29	6.171		
17,100.00	7,001.00	15,005.01	7,222.05	261.59	242.84	94.53	-3,153.57	-10,174.25	2,952.85	2,473.17	479.68	6.156		
17,200.00	7,001.00	15,055.00	7,217.94	264.01	244.16	94.45	-3,151.61	-10,224.04	2,955.95	2,474.65	481.30	6.142		
17,300.00	7,001.00	15,263.01	7,197.72	266.44	249.62	94.05	-3,146.93	-10,430.99	2,956.61	2,462.09	494.52	5.979		
17,400.00	7,001.00	15,341.00	7,190.99	268.87	251.68	93.92	-3,145.82	-10,508.68	2,957.29	2,458.99	498.30	5.935		
17,500.00	7,001.00	15,531.14	7,176.05	271.31	256.70	93.63	-3,145.91	-10,698.23	2,956.39	2,446.54	509.85	5.799		
17,600.00	7,001.00	15,631.04	7,167.48	273.75	259.35	93.46	-3,147.23	-10,797.75	2,954.40	2,439.22	515.19	5.735		
17,696.18	7,001.00	15,669.00	7,164.22	276.11	260.35	93.40	-3,147.73	-10,835.56	2,953.08	2,436.71	516.37	5.719		
17,700.00	7,001.00	15,669.00	7,164.22	276.20	260.35	93.40	-3,147.73	-10,835.56	2,953.08	2,436.78	516.30	5.720		
17,800.00	7,001.00	15,669.00	7,164.22	278.66	260.35	93.40	-3,147.73	-10,835.56	2,954.91	2,440.52	514.39	5.744		
17,900.00	7,001.00	15,669.00	7,164.22	281.12	260.35	93.40	-3,147.73	-10,835.56	2,960.11	2,448.18	511.93	5.782		
18,000.00	7,001.00	15,669.00	7,164.22	283.59	260.35	93.41	-3,147.73	-10,835.56	2,969.11	2,460.18	508.93	5.834		
18,100.00	7,001.00	15,669.00	7,164.22	286.09	260.35	93.43	-3,147.73	-10,835.56	2,984.46	2,479.02	505.44	5.905		
18,200.00	7,001.00	15,669.00	7,164.22	288.62	260.35	93.45	-3,147.73	-10,835.56	3,006.46	2,504.96	501.50	5.995		
18,300.00	7,001.00	15,669.00	7,164.22	291.16	260.35	93.45	-3,147.73	-10,835.56	3,033.23	2,536.08	497.15	6.101		
18,400.00	7,001.00	15,669.00	7,164.22	293.71	260.35	93.45	-3,147.73	-10,835.56	3,063.03	2,570.60	492.43	6.220		
18,500.00	7,001.00	15,669.00	7,164.22	296.26	260.35	93.45	-3,147.73	-10,835.56	3,095.77	2,608.41	487.36	6.352		
18,600.00	7,001.00	15,669.00	7,164.22	298.81	260.35	93.45	-3,147.73	-10,835.56	3,131.37	2,649.38	481.99	6.497		
18,700.00	7,001.00	15,669.00	7,164.22	301.36	260.35	93.45	-3,147.73	-10,835.56	3,169.72	2,693.36	476.36	6.654		
18,800.00	7,001.00	15,669.00	7,164.22	303.92	260.35	93.45	-3,147.73	-10,835.56	3,210.73	2,740.23	470.51	6.824		
18,900.00	7,001.00	15,669.00	7,164.22	306.48	260.35	93.45	-3,147.73	-10,835.56	3,254.30	2,789.84	464.47	7.007		
19,000.00	7,001.00	15,669.00	7,164.22	309.04	260.35	93.45	-3,147.73	-10,835.56	3,300.33	2,842.05	458.27	7.202		
19,100.00	7,001.00	15,669.00	7,164.22	311.61	260.35	93.45	-3,147.73	-10,835.56	3,348.70	2,896.74	451.96	7.409		
19,200.00	7,001.00	15,669.00	7,164.22	314.18	260.35	93.45	-3,147.73	-10,835.56	3,399.34	2,953.77	445.57	7.629		
19,300.00	7,001.00	15,669.00	7,164.22	316.75	260.35	93.45	-3,147.73	-10,835.56	3,452.12	3,013.01	439.11	7.862		
19,400.00	7,001.00	15,669.00	7,164.22	319.32	260.35	93.45	-3,147.73	-10,835.56	3,506.97	3,074.34	432.63	8.106		
19,500.00	7,001.00	15,669.00	7,164.22	321.90	260.35	93.45	-3,147.73	-10,835.56	3,563.77	3,137.64	426.13	8.363		
19,600.00	7,001.00	15,669.00	7,164.22	324.48	260.35	93.45	-3,147.73	-10,835.56	3,622.45	3,202.80	419.65	8.632		
19,700.00	7,001.00	15,669.00	7,164.22	327.05	260.35	93.39	-3,147.73	-10,835.56	3,682.30	3,269.13	413.17	8.912		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ICE MAN 2W-15-3N - ORIGINAL WELLBORE - WB #1 - PATT 901												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,800.00	7,001.00	15,669.00	7,164.22	329.62	260.35	93.31	-3,147.73	-10,835.56	3,741.25	3,334.68	406.58	9.202	
19,900.00	7,001.00	15,669.00	7,164.22	332.16	260.35	93.24	-3,147.73	-10,835.56	3,799.16	3,399.29	399.87	9.501	
20,000.00	7,001.00	15,669.00	7,164.22	334.70	260.35	93.24	-3,147.73	-10,835.56	3,857.65	3,464.50	393.15	9.812	
20,100.00	7,001.00	15,669.00	7,164.22	337.24	260.35	93.24	-3,147.73	-10,835.56	3,917.82	3,531.33	386.50	10.137	
20,200.00	7,001.00	15,669.00	7,164.22	339.79	260.35	93.24	-3,147.73	-10,835.56	3,979.60	3,599.68	379.92	10.475	
20,300.00	7,001.00	15,669.00	7,164.22	342.34	260.35	93.24	-3,147.73	-10,835.56	4,042.91	3,669.48	373.43	10.826	
20,400.00	7,001.00	15,669.00	7,164.22	344.89	260.35	93.24	-3,147.73	-10,835.56	4,107.67	3,740.63	367.04	11.191	
20,500.00	7,001.00	15,669.00	7,164.22	347.44	260.35	93.24	-3,147.73	-10,835.56	4,173.83	3,813.08	360.75	11.570	
20,600.00	7,001.00	15,669.00	7,164.22	350.00	260.35	93.24	-3,147.73	-10,835.56	4,241.31	3,886.73	354.58	11.961	
20,683.43	7,001.00	15,669.00	7,164.22	351.63	260.35	93.24	-3,147.73	-10,835.56	4,298.58	3,949.59	349.00	12.317	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	144.47	144.42	0.27	0.22	-168.98	-1,360.59	-265.01	1,387.31	1,386.82	0.49	2,851.200		
200.00	200.00	199.45	199.39	0.63	0.43	-168.97	-1,359.57	-265.04	1,385.21	1,384.16	1.06	1,312.836		
236.90	236.90	225.00	224.95	0.76	0.51	-168.97	-1,359.49	-265.05	1,385.09	1,383.81	1.27	1,087.940		
300.00	300.00	285.52	285.47	0.99	0.72	-168.97	-1,359.60	-265.13	1,385.21	1,383.50	1.71	810.484		
400.00	399.98	381.69	381.64	1.33	1.06	-17.22	-1,359.72	-265.81	1,383.81	1,381.42	2.39	578.812		
500.00	499.84	478.69	478.63	1.67	1.41	-17.25	-1,360.01	-267.39	1,379.41	1,376.34	3.08	448.220		
600.00	599.45	592.20	592.13	2.03	1.81	-17.36	-1,360.11	-268.79	1,371.42	1,367.59	3.84	357.592		
700.00	698.70	670.37	670.29	2.41	2.08	-17.53	-1,360.17	-269.39	1,360.06	1,355.59	4.47	304.452		
800.00	797.47	748.36	748.26	2.81	2.36	-17.76	-1,361.72	-269.88	1,347.17	1,342.07	5.10	263.925		
900.00	895.62	830.24	830.09	3.25	2.65	-18.04	-1,364.39	-270.79	1,332.35	1,326.59	5.76	231.150		
1,000.00	993.06	913.18	912.92	3.72	2.95	-18.31	-1,367.75	-273.65	1,315.46	1,309.02	6.44	204.295		
1,100.00	1,089.64	996.18	995.69	4.23	3.25	-18.56	-1,371.77	-278.22	1,296.45	1,289.32	7.13	181.905		
1,200.00	1,185.27	1,082.00	1,081.07	4.78	3.57	-18.79	-1,376.60	-285.32	1,275.42	1,267.58	7.84	162.684		
1,300.00	1,279.82	1,155.74	1,154.16	5.38	3.86	-18.95	-1,381.36	-293.81	1,252.50	1,243.97	8.52	146.929		
1,400.00	1,373.17	1,225.43	1,222.94	6.03	4.14	-19.09	-1,386.72	-303.63	1,228.10	1,218.89	9.21	133.333		
1,500.00	1,465.21	1,293.21	1,289.58	6.73	4.42	-19.24	-1,393.46	-314.00	1,202.83	1,192.92	9.91	121.410		
1,600.00	1,555.84	1,367.00	1,361.72	7.48	4.74	-19.38	-1,402.24	-326.84	1,176.60	1,165.95	10.65	110.500		
1,700.00	1,644.94	1,439.97	1,432.62	8.28	5.08	-19.51	-1,412.07	-341.02	1,149.07	1,137.66	11.41	100.698		
1,800.00	1,732.39	1,511.95	1,502.13	9.13	5.43	-19.64	-1,422.76	-356.28	1,120.11	1,107.92	12.20	91.839		
1,900.00	1,818.11	1,588.88	1,575.73	10.04	5.83	-19.71	-1,435.47	-374.73	1,090.09	1,077.06	13.03	83.669		
2,000.00	1,901.97	1,678.71	1,661.47	11.00	6.32	-19.80	-1,450.80	-396.70	1,057.60	1,043.65	13.95	75.798		
2,100.00	1,983.88	1,750.25	1,729.33	12.01	6.73	-19.94	-1,463.80	-415.26	1,023.38	1,008.57	14.81	69.080		
2,200.00	2,063.74	1,826.62	1,800.86	13.07	7.21	-19.98	-1,478.65	-437.46	987.93	972.20	15.73	62.789		
2,300.00	2,141.45	1,897.12	1,865.97	14.19	7.67	-19.94	-1,493.03	-460.35	951.15	934.50	16.65	57.134		
2,400.00	2,216.92	1,966.14	1,928.89	15.35	8.16	-19.89	-1,508.68	-484.02	913.83	896.26	17.58	51.993		
2,500.00	2,290.05	2,048.00	2,002.63	16.57	8.77	-19.70	-1,527.97	-513.86	874.98	856.38	18.60	47.041		
2,600.00	2,360.76	2,114.24	2,061.27	17.83	9.32	-19.49	-1,544.35	-539.97	835.05	815.49	19.56	42.689		
2,700.00	2,428.95	2,194.97	2,131.26	19.14	10.02	-19.04	-1,565.77	-574.00	794.63	774.02	20.61	38.556		
2,800.00	2,494.55	2,279.31	2,204.39	20.50	10.77	-18.58	-1,588.36	-609.42	751.60	729.91	21.69	34.652		
2,900.00	2,557.48	2,354.48	2,269.29	21.89	11.46	-18.24	-1,609.64	-640.82	707.03	684.31	22.73	31.112		
3,000.00	2,618.26	2,430.00	2,333.38	23.33	12.18	-17.57	-1,632.28	-673.72	662.34	638.59	23.75	27.891		
3,100.00	2,678.87	2,509.57	2,400.11	24.77	12.98	-16.58	-1,657.17	-709.20	619.20	594.44	24.76	25.006		
3,200.00	2,739.49	2,610.40	2,485.24	26.22	13.99	-15.28	-1,688.80	-753.01	575.99	550.13	25.86	22.274		
3,300.00	2,800.10	2,683.63	2,547.16	27.68	14.74	-14.23	-1,711.87	-784.57	533.02	506.25	26.77	19.911		
3,400.00	2,860.71	2,768.21	2,617.24	29.14	15.62	-12.71	-1,740.31	-822.42	492.91	465.26	27.65	17.824		
3,500.00	2,921.32	2,858.90	2,692.67	30.60	16.59	-10.90	-1,770.90	-862.40	453.03	424.51	28.52	15.884		
3,600.00	2,981.94	2,950.93	2,768.02	32.07	17.59	-8.19	-1,800.64	-906.07	414.02	384.80	29.22	14.168		
3,700.00	3,042.55	3,041.65	2,843.05	33.54	18.60	-5.13	-1,829.55	-948.08	374.89	345.02	29.88	12.549		
3,800.00	3,103.16	3,130.41	2,915.55	35.01	19.58	-1.23	-1,857.80	-990.80	338.01	307.54	30.46	11.097		
3,900.00	3,163.77	3,223.35	2,992.45	36.48	20.62	3.62	-1,886.74	-1,034.22	301.40	270.16	31.24	9.648		
4,000.00	3,224.39	3,307.13	3,060.81	37.96	21.57	9.21	-1,913.19	-1,074.78	268.83	236.50	32.32	8.316		
4,100.00	3,285.00	3,404.95	3,141.16	39.44	22.67	17.08	-1,944.16	-1,121.17	239.18	204.49	34.69	6.894		
4,200.00	3,345.61	3,501.11	3,222.34	40.92	23.71	26.34	-1,973.92	-1,163.24	210.67	171.93	38.74	5.438		
4,300.00	3,406.22	3,584.40	3,292.33	42.40	24.60	36.10	-2,000.16	-1,199.98	189.32	144.67	44.65	4.240		
4,400.00	3,466.84	3,666.86	3,360.02	43.88	25.54	47.10	-2,026.67	-1,238.89	180.03	127.55	52.48	3.430		
4,436.29	3,488.83	3,702.35	3,388.89	44.41	25.94	52.02	-2,038.06	-1,256.09	179.66	123.75	55.91	3.213 CC		
4,500.00	3,527.45	3,765.65	3,441.40	45.36	26.66	60.93	-2,057.93	-1,285.33	180.85	118.98	61.87	2.923 ES		
4,600.00	3,588.06	3,860.37	3,521.33	46.84	27.67	73.91	-2,087.72	-1,326.50	188.76	119.30	69.46	2.718 SF		
4,700.00	3,648.67	3,942.89	3,591.17	48.33	28.55	84.21	-2,113.14	-1,362.36	206.48	132.66	73.82	2.797		
4,800.00	3,709.29	4,025.49	3,660.50	49.81	29.46	92.90	-2,137.00	-1,400.38	234.61	158.50	76.11	3.083		
4,900.00	3,769.90	4,114.37	3,734.25	51.30	30.46	100.11	-2,162.50	-1,442.92	269.19	191.41	77.78	3.461		
5,000.00	3,830.51	4,205.26	3,809.40	52.78	31.49	105.76	-2,189.60	-1,486.27	306.10	226.95	79.15	3.867		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	3,891.12	4,297.75	3,885.62	54.27	32.55	110.22	-2,217.84	-1,530.40	344.58	264.13	80.46	4.283		
5,200.00	3,951.74	4,390.05	3,961.92	55.76	33.60	113.87	-2,246.73	-1,573.58	383.47	301.81	81.66	4.696		
5,300.00	4,012.35	4,480.87	4,037.50	57.25	34.61	116.95	-2,275.09	-1,615.18	423.15	340.43	82.72	5.116		
5,400.00	4,072.96	4,567.83	4,111.63	58.73	35.54	119.85	-2,301.23	-1,652.36	463.71	380.31	83.40	5.560		
5,500.00	4,133.58	4,653.61	4,184.08	60.22	36.46	122.09	-2,326.74	-1,690.55	505.94	421.74	84.20	6.009		
5,600.00	4,194.19	4,745.44	4,262.00	61.71	37.45	124.22	-2,353.99	-1,730.79	548.67	463.40	85.28	6.434		
5,700.00	4,254.80	4,840.65	4,341.89	63.20	38.48	125.95	-2,383.28	-1,773.49	591.19	504.55	86.64	6.824		
5,800.00	4,315.41	4,938.57	4,424.50	64.69	39.56	127.60	-2,414.27	-1,815.94	632.95	544.90	88.05	7.188		
5,900.00	4,376.03	5,037.05	4,505.01	66.18	40.69	128.63	-2,447.45	-1,861.90	673.76	583.94	89.82	7.501		
6,000.00	4,436.64	5,129.66	4,579.94	67.67	41.78	129.39	-2,479.49	-1,905.89	714.01	622.51	91.50	7.803		
6,100.00	4,497.25	5,217.11	4,652.76	69.17	42.77	130.34	-2,508.92	-1,944.32	754.68	661.92	92.76	8.136		
6,200.00	4,557.86	5,311.63	4,730.53	70.66	43.84	131.13	-2,541.05	-1,987.35	795.43	701.05	94.38	8.428		
6,300.00	4,618.48	5,406.52	4,807.88	72.15	44.94	131.75	-2,573.89	-2,031.42	835.82	739.70	96.12	8.695		
6,400.00	4,679.09	5,499.96	4,884.86	73.64	46.01	132.42	-2,606.34	-2,073.28	875.98	778.27	97.71	8.965		
6,500.00	4,739.70	5,569.37	4,942.19	75.13	46.81	132.89	-2,629.86	-2,104.54	917.08	818.46	98.62	9.299		
6,600.00	4,800.31	5,641.12	5,000.90	76.62	47.63	133.21	-2,652.65	-2,138.91	960.46	860.75	99.71	9.632		
6,700.00	4,860.93	5,719.66	5,066.37	78.12	48.51	133.65	-2,676.43	-2,175.18	1,005.12	904.20	100.92	9.960		
6,800.00	4,921.54	5,796.00	5,131.89	79.61	49.31	134.27	-2,698.62	-2,207.44	1,050.62	948.79	101.83	10.317		
6,900.00	4,982.15	5,868.87	5,195.54	81.10	50.03	134.94	-2,718.75	-2,236.66	1,097.39	994.88	102.51	10.706		
7,000.00	5,042.76	5,975.69	5,288.51	82.60	51.10	135.78	-2,747.80	-2,280.51	1,144.82	1,040.58	104.24	10.983		
7,100.00	5,103.38	6,048.13	5,350.00	84.09	51.89	136.14	-2,768.33	-2,312.80	1,191.50	1,086.25	105.25	11.321		
7,200.00	5,163.99	6,127.59	5,416.00	85.58	52.78	136.32	-2,789.82	-2,351.47	1,239.51	1,132.82	106.68	11.619		
7,300.00	5,224.60	6,234.33	5,506.12	87.07	53.97	136.71	-2,819.05	-2,400.65	1,287.20	1,178.31	108.88	11.822		
7,400.00	5,285.21	6,346.43	5,597.85	88.57	55.29	136.85	-2,852.06	-2,455.95	1,333.06	1,221.56	111.50	11.956		
7,500.00	5,345.83	6,424.79	5,660.71	90.06	56.23	136.84	-2,875.65	-2,496.35	1,378.43	1,265.28	113.15	12.182		
7,600.00	5,406.44	6,541.34	5,756.58	91.56	57.60	137.05	-2,911.19	-2,552.23	1,423.26	1,307.48	115.78	12.293		
7,700.00	5,467.05	6,656.00	5,852.03	93.05	58.88	137.40	-2,948.68	-2,603.44	1,465.77	1,347.72	118.05	12.417		
7,800.00	5,527.66	6,719.35	5,906.35	94.54	59.53	137.71	-2,968.63	-2,629.21	1,509.42	1,390.62	118.79	12.706		
7,900.00	5,588.28	6,821.38	5,993.63	96.04	60.61	138.14	-3,000.14	-2,671.62	1,553.85	1,433.35	120.50	12.895		
8,000.00	5,648.89	6,912.19	6,069.61	97.53	61.61	138.38	-3,029.28	-2,711.91	1,597.22	1,475.08	122.14	13.077		
8,100.00	5,709.50	7,000.06	6,142.60	99.03	62.60	138.55	-3,057.19	-2,752.10	1,640.95	1,517.16	123.79	13.256		
8,200.00	5,770.11	7,090.46	6,218.04	100.52	63.61	138.75	-3,085.95	-2,792.75	1,684.64	1,559.18	125.46	13.427		
8,300.00	5,830.73	7,179.96	6,293.59	102.02	64.58	139.00	-3,114.38	-2,831.43	1,728.36	1,601.34	127.02	13.607		
8,400.00	5,891.34	7,262.44	6,363.13	103.51	65.48	139.21	-3,140.52	-2,867.23	1,772.19	1,643.77	128.41	13.801		
8,500.00	5,951.95	7,342.37	6,430.02	105.01	66.37	139.36	-3,165.28	-2,903.33	1,816.70	1,686.86	129.84	13.992		
8,600.00	6,012.57	7,439.13	6,510.78	106.50	67.45	139.52	-3,195.66	-2,947.11	1,860.81	1,729.11	131.71	14.128		
8,700.00	6,073.18	7,496.89	6,559.32	108.00	68.09	139.63	-3,213.26	-2,972.99	1,905.83	1,773.28	132.56	14.377		
8,800.00	6,133.79	7,562.09	6,614.58	109.49	68.79	139.76	-3,232.18	-3,001.97	1,952.20	1,818.65	133.56	14.617		
8,900.00	6,194.40	7,644.57	6,684.96	110.98	69.68	139.94	-3,255.38	-3,038.17	1,999.41	1,864.42	134.98	14.813		
9,000.00	6,255.02	7,734.06	6,760.64	112.48	70.64	140.08	-3,280.98	-3,078.50	2,046.19	1,909.55	136.64	14.975		
9,100.00	6,315.63	7,801.00	6,818.05	113.98	71.35	140.23	-3,299.42	-3,107.55	2,093.90	1,956.25	137.65	15.212		
9,200.00	6,376.24	7,801.00	6,818.05	115.47	71.35	140.23	-3,299.42	-3,107.55	2,143.66	2,006.82	136.85	15.664		
9,300.00	6,436.85	7,855.77	6,864.61	116.97	71.96	140.29	-3,312.77	-3,133.06	2,194.83	2,057.22	137.62	15.949		
9,400.00	6,497.47	7,896.00	6,897.50	118.46	72.41	140.24	-3,320.83	-3,154.77	2,248.73	2,110.68	138.05	16.290		
9,500.00	6,558.08	7,896.00	6,897.50	119.96	72.41	140.24	-3,320.83	-3,154.77	2,304.66	2,167.67	136.99	16.824		
9,600.00	6,618.69	7,947.84	6,937.85	121.45	73.09	140.05	-3,329.33	-3,186.16	2,362.09	2,224.02	138.07	17.108		
9,700.00	6,679.30	7,992.00	6,970.15	122.95	73.67	139.79	-3,335.09	-3,215.69	2,421.49	2,282.56	138.93	17.430		
9,800.00	6,739.92	8,028.66	6,995.41	124.44	74.22	139.51	-3,339.19	-3,241.94	2,482.19	2,342.60	139.59	17.782		
9,900.00	6,799.82	8,295.13	7,126.97	125.96	78.88	129.14	-3,374.38	-3,468.58	2,540.55	2,386.98	153.57	16.543		
10,000.00	6,854.86	8,382.85	7,150.01	127.56	80.66	117.30	-3,387.98	-3,552.07	2,589.44	2,431.83	157.61	16.429		
10,100.00	6,902.95	8,408.24	7,155.00	129.22	81.18	108.67	-3,391.47	-3,576.72	2,630.83	2,473.34	157.50	16.704		
10,200.00	6,942.63	8,469.00	7,163.94	130.85	82.42	101.98	-3,397.98	-3,636.45	2,664.70	2,505.31	159.38	16.719		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 36-T7N-R67W - ICE MAN 2W-15-4N - ORIGINAL WELLBORE - WB #1 - PATT 901		Offset Site Error:		0.00 usft	
Survey Program:		130-MWD OWSG											Offset Well Error:		0.00 usft			
Reference		Offset		Semi Major Axis		Distance								Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor						
15,300.00	7,001.00	13,303.55	7,159.75	219.51	198.59	93.70	-3,461.25	-8,465.78	2,643.16	2,251.99	391.16	6.757						
15,400.00	7,001.00	13,391.09	7,161.94	221.76	200.87	93.75	-3,461.82	-8,553.28	2,642.52	2,247.05	395.48	6.682						
15,500.00	7,001.00	13,542.02	7,166.60	224.02	204.82	93.86	-3,463.64	-8,704.12	2,641.56	2,237.04	404.52	6.530						
15,600.00	7,001.00	13,738.24	7,163.81	226.30	209.96	93.81	-3,472.62	-8,900.10	2,636.26	2,219.68	416.58	6.328						
15,700.00	7,001.00	13,851.18	7,161.02	228.58	212.93	93.76	-3,478.99	-9,012.83	2,630.38	2,207.66	422.72	6.223						
15,800.00	7,001.00	13,952.45	7,158.80	230.88	215.59	93.72	-3,486.17	-9,113.81	2,623.02	2,194.94	428.08	6.127						
15,900.00	7,001.00	14,005.00	7,158.11	233.19	216.97	93.71	-3,489.07	-9,166.28	2,617.29	2,187.19	430.10	6.085						
16,000.00	7,001.00	14,056.87	7,157.49	235.50	218.34	93.70	-3,490.99	-9,218.11	2,613.39	2,181.44	431.95	6.050						
16,100.00	7,001.00	14,100.00	7,156.78	237.83	219.47	93.68	-3,491.85	-9,261.22	2,611.33	2,178.33	433.00	6.031						
16,174.05	7,001.00	14,152.67	7,155.86	239.56	220.85	93.66	-3,492.12	-9,313.89	2,610.85	2,175.57	435.28	5.998						
16,200.00	7,001.00	14,167.61	7,155.62	240.17	221.24	93.66	-3,492.05	-9,328.82	2,610.91	2,175.11	435.80	5.991						
16,300.00	7,001.00	14,299.69	7,153.61	242.52	224.71	93.61	-3,491.29	-9,460.89	2,611.42	2,167.84	443.58	5.887						
16,375.50	7,001.00	14,354.17	7,152.29	244.29	226.14	93.59	-3,491.28	-9,515.35	2,611.20	2,165.23	445.97	5.855						
16,400.00	7,001.00	14,373.57	7,151.67	244.87	226.65	93.57	-3,491.19	-9,534.74	2,611.22	2,164.35	446.88	5.843						
16,500.00	7,001.00	14,513.41	7,147.18	247.24	230.32	93.47	-3,491.66	-9,674.50	2,610.53	2,155.29	455.24	5.734						
16,600.00	7,001.00	14,651.83	7,141.65	249.61	233.97	93.36	-3,493.43	-9,812.80	2,609.03	2,145.63	463.40	5.630						
16,700.00	7,001.00	14,736.70	7,138.25	251.99	236.20	93.28	-3,495.51	-9,897.57	2,606.27	2,138.67	467.60	5.574						
16,800.00	7,001.00	14,881.70	7,131.03	254.38	240.03	93.13	-3,499.05	-10,042.34	2,603.51	2,127.34	476.17	5.468						
16,900.00	7,001.00	14,960.44	7,126.61	256.78	242.11	93.04	-3,501.48	-10,120.92	2,599.99	2,120.02	479.97	5.417						
17,000.00	7,001.00	15,068.67	7,117.51	259.18	244.95	92.84	-3,504.33	-10,228.72	2,596.79	2,110.92	485.87	5.345						
17,100.00	7,001.00	15,245.69	7,101.02	261.59	249.61	92.48	-3,511.61	-10,404.82	2,592.26	2,095.78	496.48	5.221						
17,200.00	7,001.00	15,286.48	7,097.51	264.01	250.68	92.41	-3,513.52	-10,445.41	2,587.04	2,089.31	497.73	5.198						
17,300.00	7,001.00	15,340.00	7,092.60	266.44	252.09	92.30	-3,514.64	-10,498.69	2,584.17	2,084.49	499.68	5.172						
17,400.00	7,001.00	15,461.13	7,082.46	268.87	255.28	92.08	-3,517.00	-10,619.36	2,581.82	2,075.29	506.53	5.097						
17,500.00	7,001.00	15,547.64	7,074.96	271.31	257.56	91.91	-3,519.00	-10,705.52	2,579.05	2,068.20	510.85	5.049						
17,600.00	7,001.00	15,648.77	7,065.58	273.75	260.23	91.70	-3,521.16	-10,806.19	2,576.48	2,060.25	516.23	4.991						
17,690.43	7,001.00	15,673.00	7,063.31	275.97	260.87	91.65	-3,521.68	-10,830.31	2,575.01	2,058.99	516.02	4.990						
17,700.00	7,001.00	15,673.00	7,063.31	276.20	260.87	91.65	-3,521.68	-10,830.31	2,575.03	2,059.25	515.77	4.993						
17,800.00	7,001.00	15,673.00	7,063.31	278.66	260.87	91.65	-3,521.68	-10,830.31	2,577.34	2,064.51	512.83	5.026						
17,900.00	7,001.00	15,673.00	7,063.31	281.12	260.87	91.65	-3,521.68	-10,830.31	2,583.52	2,074.35	509.18	5.074						
18,000.00	7,001.00	15,673.00	7,063.31	283.59	260.87	91.66	-3,521.68	-10,830.31	2,593.99	2,089.15	504.84	5.138						
18,100.00	7,001.00	15,673.00	7,063.31	286.09	260.87	91.67	-3,521.68	-10,830.31	2,611.26	2,111.39	499.88	5.224						
18,200.00	7,001.00	15,673.00	7,063.31	288.62	260.87	91.68	-3,521.68	-10,830.31	2,635.61	2,141.23	494.38	5.331						
18,300.00	7,001.00	15,673.00	7,063.31	291.16	260.87	91.68	-3,521.68	-10,830.31	2,665.10	2,176.70	488.40	5.457						
18,400.00	7,001.00	15,673.00	7,063.31	293.71	260.87	91.68	-3,521.68	-10,830.31	2,697.98	2,215.98	481.99	5.598						
18,500.00	7,001.00	15,673.00	7,063.31	296.26	260.87	91.68	-3,521.68	-10,830.31	2,734.12	2,258.90	475.22	5.753						
18,600.00	7,001.00	15,673.00	7,063.31	298.81	260.87	91.68	-3,521.68	-10,830.31	2,773.40	2,305.27	468.13	5.924						
18,700.00	7,001.00	15,673.00	7,063.31	301.36	260.87	91.68	-3,521.68	-10,830.31	2,815.68	2,354.89	460.79	6.111						
18,800.00	7,001.00	15,673.00	7,063.31	303.92	260.87	91.68	-3,521.68	-10,830.31	2,860.83	2,407.58	453.25	6.312						
18,900.00	7,001.00	15,673.00	7,063.31	306.48	260.87	91.68	-3,521.68	-10,830.31	2,908.73	2,463.16	445.57	6.528						
19,000.00	7,001.00	15,673.00	7,063.31	309.04	260.87	91.68	-3,521.68	-10,830.31	2,959.23	2,521.44	437.79	6.760						
19,100.00	7,001.00	15,673.00	7,063.31	311.61	260.87	91.68	-3,521.68	-10,830.31	3,012.20	2,582.24	429.95	7.006						
19,200.00	7,001.00	15,673.00	7,063.31	314.18	260.87	91.68	-3,521.68	-10,830.31	3,067.52	2,645.41	422.11	7.267						
19,300.00	7,001.00	15,673.00	7,063.31	316.75	260.87	91.68	-3,521.68	-10,830.31	3,125.06	2,710.78	414.28	7.543						
19,400.00	7,001.00	15,673.00	7,063.31	319.32	260.87	91.68	-3,521.68	-10,830.31	3,184.70	2,778.19	406.51	7.834						
19,500.00	7,001.00	15,673.00	7,063.31	321.90	260.87	91.68	-3,521.68	-10,830.31	3,246.33	2,847.51	398.82	8.140						
19,600.00	7,001.00	15,673.00	7,063.31	324.48	260.87	91.68	-3,521.68	-10,830.31	3,309.83	2,918.61	391.22	8.460						
19,700.00	7,001.00	15,673.00	7,063.31	327.05	260.87	91.65	-3,521.68	-10,830.31	3,374.52	2,990.82	383.70	8.795						
19,800.00	7,001.00	15,673.00	7,063.31	329.62	260.87	91.60	-3,521.68	-10,830.31	3,438.42	3,062.31	376.10	9.142						
19,900.00	7,001.00	15,673.00	7,063.31	332.16	260.87	91.56	-3,521.68	-10,830.31	3,501.37	3,132.94	368.43	9.504						
20,000.00	7,001.00	15,673.00	7,063.31	334.70	260.87	91.56	-3,521.68	-10,830.31	3,564.95	3,204.14	360.80	9.881						
20,100.00	7,001.00	15,673.00	7,063.31	337.24	260.87	91.56	-3,521.68	-10,830.31	3,630.16	3,276.84	353.32	10.274						

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design 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	7,001.00	15,673.00	7,063.31	339.79	260.87	91.56	-3,521.68	-10,830.31	3,696.93	3,350.93	346.00	10.685	
20,300.00	7,001.00	15,673.00	7,063.31	342.34	260.87	91.56	-3,521.68	-10,830.31	3,765.17	3,426.33	338.85	11.112	
20,400.00	7,001.00	15,673.00	7,063.31	344.89	260.87	91.56	-3,521.68	-10,830.31	3,834.81	3,502.94	331.86	11.555	
20,500.00	7,001.00	15,673.00	7,063.31	347.44	260.87	91.56	-3,521.68	-10,830.31	3,905.76	3,580.71	325.06	12.016	
20,600.00	7,001.00	15,673.00	7,063.31	350.00	260.87	91.56	-3,521.68	-10,830.31	3,977.97	3,659.54	318.43	12.492	
20,683.43	7,001.00	15,673.00	7,063.31	351.63	260.87	91.56	-3,521.68	-10,830.31	4,039.11	3,726.50	312.61	12.921	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
100.00	100.00	102.55	102.55	0.27	0.15	-169.93	-1,384.33	-245.85	1,406.06	1,405.65	0.41	3,402.015		
200.00	200.00	200.34	200.32	0.63	0.44	-169.98	-1,383.47	-244.42	1,404.95	1,403.89	1.06	1,322.954		
295.24	295.24	283.26	283.24	0.97	0.72	-169.99	-1,383.11	-244.12	1,404.49	1,402.80	1.69	830.147		
300.00	300.00	287.32	287.30	0.99	0.74	-169.99	-1,383.11	-244.13	1,404.49	1,402.77	1.72	815.215		
400.00	399.98	388.27	388.24	1.33	1.08	-18.23	-1,383.15	-245.23	1,403.07	1,400.65	2.41	581.348		
500.00	499.84	488.31	488.27	1.67	1.43	-18.28	-1,382.80	-246.54	1,397.98	1,394.87	3.11	450.203		
600.00	599.45	574.65	574.61	2.03	1.74	-18.39	-1,382.95	-247.45	1,390.07	1,386.31	3.76	369.698		
700.00	698.70	655.36	655.28	2.41	2.02	-18.51	-1,383.88	-249.44	1,380.06	1,375.65	4.40	313.491		
800.00	797.47	737.18	737.02	2.81	2.31	-18.64	-1,385.79	-252.65	1,368.15	1,363.09	5.06	270.560		
900.00	895.62	820.04	819.74	3.25	2.61	-18.79	-1,388.51	-256.69	1,354.07	1,348.35	5.72	236.527		
1,000.00	993.06	891.00	890.48	3.72	2.87	-18.95	-1,391.64	-261.21	1,338.16	1,331.80	6.36	210.457		
1,100.00	1,089.64	961.90	961.01	4.23	3.14	-19.11	-1,396.06	-266.82	1,321.03	1,314.02	7.00	188.593		
1,200.00	1,185.27	1,033.84	1,032.37	4.78	3.42	-19.29	-1,402.17	-273.68	1,303.00	1,295.33	7.67	169.907		
1,300.00	1,279.82	1,111.17	1,108.80	5.38	3.72	-19.46	-1,409.81	-282.58	1,283.45	1,275.08	8.37	153.329		
1,400.00	1,373.17	1,176.00	1,172.73	6.03	3.99	-19.65	-1,416.99	-290.61	1,262.23	1,253.19	9.04	139.675		
1,500.00	1,465.21	1,272.00	1,266.85	6.73	4.41	-19.83	-1,429.26	-304.89	1,239.63	1,229.77	9.86	125.729		
1,600.00	1,555.84	1,334.07	1,327.26	7.48	4.70	-19.97	-1,438.22	-316.03	1,215.71	1,205.15	10.56	115.111		
1,700.00	1,644.94	1,404.84	1,395.71	8.28	5.04	-20.10	-1,449.30	-330.10	1,190.45	1,179.13	11.33	105.107		
1,800.00	1,732.39	1,472.39	1,460.43	9.13	5.39	-20.19	-1,461.25	-345.32	1,164.42	1,152.32	12.10	96.247		
1,900.00	1,818.11	1,556.00	1,539.84	10.04	5.86	-20.25	-1,477.46	-365.86	1,137.24	1,124.26	12.98	87.612		
2,000.00	1,901.97	1,633.89	1,613.24	11.00	6.32	-20.30	-1,493.47	-386.44	1,108.35	1,094.48	13.87	79.935		
2,100.00	1,983.88	1,709.20	1,684.05	12.01	6.79	-20.41	-1,509.44	-406.49	1,077.20	1,062.43	14.76	72.962		
2,200.00	2,063.74	1,777.13	1,747.28	13.07	7.23	-20.55	-1,525.38	-425.50	1,045.33	1,029.68	15.65	66.804		
2,300.00	2,141.45	1,858.00	1,821.49	14.19	7.79	-20.60	-1,545.60	-450.47	1,012.43	995.80	16.63	60.866		
2,400.00	2,216.92	1,925.44	1,882.47	15.35	8.30	-20.63	-1,563.30	-473.19	978.29	960.71	17.58	55.656		
2,500.00	2,290.05	2,004.83	1,953.32	16.57	8.93	-20.57	-1,585.12	-501.59	942.88	924.26	18.62	50.648		
2,600.00	2,360.76	2,081.63	2,021.09	17.83	9.58	-20.47	-1,606.76	-530.53	905.67	886.00	19.66	46.058		
2,700.00	2,428.95	2,143.00	2,074.39	19.14	10.11	-20.41	-1,624.96	-554.89	867.62	846.99	20.63	42.066		
2,800.00	2,494.55	2,221.73	2,141.18	20.50	10.87	-20.11	-1,649.46	-588.59	828.83	807.11	21.72	38.155		
2,900.00	2,557.48	2,322.06	2,224.93	21.89	11.86	-19.49	-1,681.19	-633.82	788.31	765.35	22.95	34.345		
3,000.00	2,618.26	2,393.31	2,284.74	23.33	12.58	-19.00	-1,703.86	-665.19	745.42	721.41	24.01	31.051		
3,100.00	2,678.87	2,485.73	2,361.52	24.77	13.53	-18.18	-1,735.32	-705.88	704.56	679.39	25.17	27.997		
3,200.00	2,739.49	2,568.73	2,431.36	26.22	14.39	-17.45	-1,762.87	-741.29	662.57	636.31	26.26	25.234		
3,300.00	2,800.10	2,647.10	2,495.97	27.68	15.21	-16.64	-1,790.98	-775.56	623.52	596.25	27.28	22.860		
3,400.00	2,860.71	2,742.92	2,575.91	29.14	16.23	-15.69	-1,825.09	-815.92	583.80	555.42	28.38	20.569		
3,500.00	2,921.32	2,814.37	2,634.58	30.60	17.00	-14.85	-1,851.90	-846.63	546.48	517.19	29.29	18.659		
3,600.00	2,981.94	2,908.40	2,710.90	32.07	18.04	-13.56	-1,888.33	-887.74	510.91	480.65	30.26	16.882		
3,700.00	3,042.55	3,008.48	2,793.01	33.54	19.14	-12.17	-1,926.95	-929.94	474.74	443.51	31.23	15.199		
3,800.00	3,103.16	3,106.12	2,873.38	35.01	20.21	-10.38	-1,963.03	-972.03	437.67	405.60	32.07	13.649		
3,900.00	3,163.77	3,210.65	2,960.73	36.48	21.34	-8.02	-1,999.23	-1,016.58	398.48	365.67	32.81	12.145		
4,000.00	3,224.39	3,297.21	3,033.10	37.96	22.27	-5.48	-2,028.34	-1,054.10	359.38	325.98	33.40	10.760		
4,100.00	3,285.00	3,392.09	3,112.48	39.44	23.30	-1.97	-2,059.78	-1,095.46	320.81	286.85	33.96	9.446		
4,200.00	3,345.61	3,476.46	3,182.75	40.92	24.22	2.07	-2,087.67	-1,132.90	283.92	249.35	34.57	8.213		
4,300.00	3,406.22	3,579.15	3,268.87	42.40	25.33	8.49	-2,120.47	-1,178.19	247.87	212.12	35.76	6.932		
4,400.00	3,466.84	3,661.10	3,337.93	43.88	26.21	15.23	-2,146.02	-1,214.16	214.06	176.21	37.85	5.655		
4,500.00	3,527.45	3,757.25	3,418.85	45.36	27.24	25.55	-2,175.99	-1,256.55	185.14	142.54	42.59	4.347		
4,600.00	3,588.06	3,845.42	3,493.94	46.84	28.17	37.41	-2,203.45	-1,293.72	161.58	111.09	50.49	3.200		
4,700.00	3,648.67	3,932.90	3,567.66	48.33	29.11	51.08	-2,232.10	-1,331.08	149.09	87.97	61.12	2.439		
4,741.27	3,673.69	3,968.77	3,597.62	48.94	29.50	56.98	-2,244.07	-1,346.77	147.84	82.23	65.60	2.253 CC		
4,800.00	3,709.29	4,018.88	3,638.96	49.81	30.07	65.04	-2,261.04	-1,369.43	150.46	79.26	71.20	2.113 ES		
4,900.00	3,769.90	4,108.01	3,711.08	51.30	31.11	77.69	-2,292.06	-1,411.61	165.19	87.01	78.18	2.113 SF		
5,000.00	3,830.51	4,199.76	3,784.37	52.78	32.22	87.90	-2,325.30	-1,455.70	187.71	105.36	82.35	2.279		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ICE MAN 2W-15-5C - ORIGINAL WELLBORE - WB #1 - PATT 901												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,600.00	7,001.00	15,895.00	7,298.68	324.48	261.20	97.95	-3,837.08	-10,832.32	3,071.09	2,705.91	365.19	8.410	
19,700.00	7,001.00	15,895.00	7,298.68	327.05	261.20	97.78	-3,837.08	-10,832.32	3,139.86	2,782.86	356.99	8.795	
19,800.00	7,001.00	15,895.00	7,298.68	329.62	261.20	97.53	-3,837.08	-10,832.32	3,207.93	2,859.17	348.77	9.198	
19,900.00	7,001.00	15,895.00	7,298.68	332.16	261.20	97.32	-3,837.08	-10,832.32	3,275.16	2,934.67	340.50	9.619	
20,000.00	7,001.00	15,895.00	7,298.68	334.70	261.20	97.32	-3,837.08	-10,832.32	3,343.02	3,010.67	332.34	10.059	
20,100.00	7,001.00	15,895.00	7,298.68	337.24	261.20	97.32	-3,837.08	-10,832.32	3,412.46	3,088.04	324.42	10.519	
20,200.00	7,001.00	15,895.00	7,298.68	339.79	261.20	97.32	-3,837.08	-10,832.32	3,483.38	3,166.65	316.73	10.998	
20,300.00	7,001.00	15,895.00	7,298.68	342.34	261.20	97.32	-3,837.08	-10,832.32	3,555.70	3,246.43	309.27	11.497	
20,400.00	7,001.00	15,895.00	7,298.68	344.89	261.20	97.32	-3,837.08	-10,832.32	3,629.34	3,327.28	302.05	12.016	
20,500.00	7,001.00	15,895.00	7,298.68	347.44	261.20	97.32	-3,837.08	-10,832.32	3,704.21	3,409.13	295.08	12.553	
20,600.00	7,001.00	15,895.00	7,298.68	350.00	261.20	97.32	-3,837.08	-10,832.32	3,780.25	3,491.91	288.34	13.110	
20,683.43	7,001.00	15,895.00	7,298.68	351.63	261.20	97.32	-3,837.08	-10,832.32	3,844.52	3,561.87	282.65	13.601	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,000.00	7,001.00	15,805.00	6,992.74	334.70	262.04	90.13	-4,172.10	-10,827.15	3,099.52	2,808.53	290.99	10.652	
20,100.00	7,001.00	15,805.00	6,992.74	337.24	262.04	90.13	-4,172.10	-10,827.15	3,174.49	2,891.86	282.63	11.232	
20,200.00	7,001.00	15,805.00	6,992.74	339.79	262.04	90.13	-4,172.10	-10,827.15	3,250.81	2,976.20	274.62	11.838	
20,300.00	7,001.00	15,805.00	6,992.74	342.34	262.04	90.13	-4,172.10	-10,827.15	3,328.39	3,061.45	266.94	12.469	
20,400.00	7,001.00	15,805.00	6,992.74	344.89	262.04	90.13	-4,172.10	-10,827.15	3,407.14	3,147.53	259.60	13.124	
20,500.00	7,001.00	15,805.00	6,992.74	347.44	262.04	90.13	-4,172.10	-10,827.15	3,486.97	3,234.38	252.59	13.805	
20,600.00	7,001.00	15,805.00	6,992.74	350.00	262.04	90.13	-4,172.10	-10,827.15	3,567.82	3,321.93	245.89	14.510	
20,683.43	7,001.00	15,805.00	6,992.74	351.63	262.04	90.13	-4,172.10	-10,827.15	3,636.00	3,395.58	240.42	15.124	

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ICE MAN 2W-15-7N - ORIGINAL WELLBORE - WB #1 - PATT 901												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
100.00	100.00	100.35	100.35	0.27	0.14	-171.64	-1,426.58	-209.70	1,441.97	1,441.56	0.41	3,521.937	
200.00	200.00	207.94	207.93	0.63	0.46	-171.65	-1,425.39	-209.13	1,440.79	1,439.70	1.09	1,323.239	
300.00	300.00	289.61	289.59	0.99	0.74	-171.66	-1,424.69	-208.75	1,439.91	1,438.18	1.73	832.392	
400.00	399.98	371.59	371.57	1.33	1.02	-19.94	-1,425.14	-209.05	1,438.85	1,436.49	2.35	611.140	
500.00	499.84	461.52	461.49	1.67	1.34	-19.99	-1,426.42	-210.20	1,435.50	1,432.49	3.01	477.611	
600.00	599.45	542.41	542.35	2.03	1.62	-20.07	-1,427.97	-211.81	1,429.55	1,425.91	3.64	392.806	
700.00	698.70	605.00	604.85	2.41	1.84	-20.14	-1,430.33	-214.08	1,422.41	1,418.20	4.22	337.449	
800.00	797.47	684.11	683.73	2.81	2.13	-20.24	-1,434.77	-218.10	1,414.00	1,409.14	4.86	290.817	
900.00	895.62	760.08	759.33	3.25	2.42	-20.35	-1,440.23	-223.05	1,404.04	1,398.53	5.51	254.890	
1,000.00	993.06	831.54	830.28	3.72	2.69	-20.45	-1,446.41	-229.03	1,392.56	1,386.41	6.15	226.429	
1,100.00	1,089.64	900.72	898.67	4.23	2.97	-20.54	-1,453.73	-236.38	1,380.03	1,373.24	6.80	203.057	
1,200.00	1,185.27	986.00	982.59	4.78	3.33	-20.60	-1,463.85	-247.65	1,365.92	1,358.39	7.53	181.436	
1,300.00	1,279.82	1,067.86	1,062.81	5.38	3.70	-20.65	-1,474.21	-260.26	1,349.68	1,341.41	8.27	163.175	
1,400.00	1,373.17	1,146.35	1,139.45	6.03	4.06	-20.71	-1,484.86	-273.42	1,331.38	1,322.36	9.02	147.587	
1,500.00	1,465.21	1,211.18	1,202.48	6.73	4.38	-20.80	-1,494.70	-285.01	1,311.70	1,301.97	9.73	134.794	
1,600.00	1,555.84	1,272.00	1,261.12	7.48	4.69	-20.91	-1,505.70	-296.77	1,291.77	1,281.33	10.44	123.725	
1,700.00	1,644.94	1,328.46	1,315.00	8.28	5.01	-21.00	-1,517.42	-308.86	1,271.61	1,260.46	11.16	113.978	
1,800.00	1,732.39	1,394.31	1,377.09	9.13	5.40	-21.06	-1,532.64	-324.69	1,251.11	1,239.17	11.94	104.777	
1,900.00	1,818.11	1,462.00	1,440.41	10.04	5.82	-21.12	-1,549.34	-341.78	1,229.42	1,216.66	12.76	96.343	
2,000.00	1,901.97	1,537.78	1,510.55	11.00	6.34	-21.17	-1,569.30	-362.38	1,206.56	1,192.90	13.66	88.314	
2,100.00	1,983.88	1,619.81	1,585.46	12.01	6.92	-21.17	-1,592.37	-386.56	1,182.65	1,168.02	14.63	80.833	
2,200.00	2,063.74	1,699.92	1,658.48	13.07	7.52	-21.24	-1,615.30	-410.22	1,156.24	1,140.62	15.62	74.017	
2,300.00	2,141.45	1,762.00	1,714.25	14.19	8.00	-21.32	-1,634.27	-429.81	1,129.05	1,112.53	16.52	68.346	
2,400.00	2,216.92	1,824.55	1,769.40	15.35	8.54	-21.38	-1,654.84	-450.95	1,101.64	1,084.18	17.46	63.109	
2,500.00	2,290.05	1,894.69	1,829.97	16.57	9.16	-21.39	-1,679.62	-476.20	1,074.02	1,055.55	18.47	58.157	
2,600.00	2,360.76	1,974.64	1,897.90	17.83	9.92	-21.31	-1,708.54	-506.85	1,044.87	1,025.29	19.58	53.371	
2,700.00	2,428.95	2,048.00	1,959.07	19.14	10.64	-21.20	-1,735.67	-536.91	1,014.29	993.63	20.66	49.097	
2,800.00	2,494.55	2,120.26	2,017.98	20.50	11.41	-21.02	-1,763.31	-568.31	982.72	960.96	21.76	45.167	
2,900.00	2,557.48	2,215.68	2,094.76	21.89	12.45	-20.72	-1,800.95	-610.66	949.67	926.63	23.04	41.212	
3,000.00	2,618.26	2,296.77	2,160.45	23.33	13.35	-20.42	-1,833.09	-645.69	914.11	889.87	24.24	37.704	
3,100.00	2,678.87	2,390.65	2,235.26	24.77	14.40	-19.84	-1,871.08	-687.79	879.82	854.31	25.51	34.490	
3,200.00	2,739.49	2,501.53	2,325.78	26.22	15.62	-19.37	-1,915.54	-733.85	844.06	817.16	26.90	31.373	
3,300.00	2,800.10	2,576.16	2,387.31	27.68	16.43	-19.13	-1,945.63	-763.49	808.06	780.00	28.06	28.800	
3,400.00	2,860.71	2,654.91	2,450.41	29.14	17.32	-18.72	-1,979.02	-796.72	774.93	745.74	29.19	26.545	
3,500.00	2,921.32	2,761.49	2,536.56	30.60	18.51	-18.28	-2,024.58	-839.85	741.70	711.17	30.53	24.293	
3,600.00	2,981.94	2,854.56	2,613.08	32.07	19.54	-18.03	-2,063.73	-875.54	707.02	675.22	31.80	22.231	
3,700.00	3,042.55	2,935.96	2,677.99	33.54	20.48	-17.40	-2,097.82	-910.87	674.01	641.14	32.88	20.501	
3,800.00	3,103.16	3,028.12	2,750.66	35.01	21.57	-16.53	-2,136.99	-951.84	642.20	608.24	33.96	18.912	
3,900.00	3,163.77	3,135.15	2,836.22	36.48	22.81	-15.63	-2,182.45	-997.31	609.71	574.60	35.10	17.369	
4,000.00	3,224.39	3,234.25	2,917.42	37.96	23.93	-15.00	-2,223.63	-1,036.43	575.09	538.85	36.23	15.872	
4,100.00	3,285.00	3,324.83	2,991.08	39.44	24.94	-14.27	-2,261.70	-1,072.91	541.36	504.11	37.25	14.533	
4,200.00	3,345.61	3,417.25	3,066.74	40.92	25.98	-13.56	-2,300.47	-1,109.13	507.22	468.95	38.27	13.252	
4,300.00	3,406.22	3,503.42	3,135.59	42.40	26.98	-12.45	-2,337.12	-1,145.74	475.18	436.08	39.09	12.155	
4,400.00	3,466.84	3,618.14	3,228.94	43.88	28.27	-11.02	-2,384.86	-1,192.27	441.57	401.61	39.95	11.053	
4,500.00	3,527.45	3,717.96	3,312.87	45.36	29.34	-9.93	-2,424.10	-1,229.39	404.20	363.40	40.79	9.908	
4,600.00	3,588.06	3,803.05	3,383.38	46.84	30.28	-8.30	-2,456.84	-1,263.98	367.88	326.47	41.41	8.883	
4,700.00	3,648.67	3,895.39	3,458.32	48.33	31.33	-5.67	-2,492.54	-1,304.42	333.82	292.03	41.79	7.989	
4,800.00	3,709.29	3,993.98	3,539.95	49.81	32.44	-2.40	-2,529.05	-1,345.93	297.94	255.79	42.15	7.068	
4,900.00	3,769.90	4,080.24	3,611.11	51.30	33.40	0.80	-2,562.65	-1,381.24	264.10	221.38	42.72	6.182	
5,000.00	3,830.51	4,169.87	3,684.30	52.78	34.42	4.77	-2,599.16	-1,417.89	232.95	189.36	43.59	5.344	
5,100.00	3,891.12	4,260.12	3,757.04	54.27	35.46	10.16	-2,636.19	-1,456.39	204.88	159.60	45.28	4.525	
5,200.00	3,951.74	4,353.00	3,831.34	55.76	36.56	17.31	-2,674.64	-1,496.75	180.28	131.42	48.86	3.690	

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - ICE MAN 2W-15-7N - ORIGINAL WELLBORE - WB #1 - PATT 901												Offset Site Error:	0.00 usft
Survey Program: 130-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,600.00	7,001.00	16,045.00	7,219.41	324.48	262.25	98.49	-4,511.72	-10,818.06	2,583.77	2,300.01	283.75	9.106	
19,700.00	7,001.00	16,045.00	7,219.41	327.05	262.25	98.23	-4,511.72	-10,818.06	2,663.70	2,389.01	274.69	9.697	
19,800.00	7,001.00	16,045.00	7,219.41	329.62	262.25	97.87	-4,511.72	-10,818.06	2,743.03	2,477.29	265.74	10.322	
19,900.00	7,001.00	16,045.00	7,219.41	332.16	262.25	97.56	-4,511.72	-10,818.06	2,821.62	2,564.73	256.89	10.984	
20,000.00	7,001.00	16,045.00	7,219.41	334.70	262.25	97.56	-4,511.72	-10,818.06	2,900.70	2,652.32	248.38	11.679	
20,100.00	7,001.00	16,045.00	7,219.41	337.24	262.25	97.56	-4,511.72	-10,818.06	2,981.03	2,740.70	240.33	12.404	
20,200.00	7,001.00	16,045.00	7,219.41	339.79	262.25	97.56	-4,511.72	-10,818.06	3,062.51	2,829.79	232.73	13.159	
20,300.00	7,001.00	16,045.00	7,219.41	342.34	262.25	97.56	-4,511.72	-10,818.06	3,145.07	2,919.51	225.56	13.943	
20,400.00	7,001.00	16,045.00	7,219.41	344.89	262.25	97.56	-4,511.72	-10,818.06	3,228.62	3,009.81	218.80	14.756	
20,500.00	7,001.00	16,045.00	7,219.41	347.44	262.25	97.56	-4,511.72	-10,818.06	3,313.07	3,100.63	212.44	15.595	
20,600.00	7,001.00	16,045.00	7,219.41	350.00	262.25	97.56	-4,511.72	-10,818.06	3,398.37	3,191.92	206.45	16.461	
20,683.43	7,001.00	16,045.00	7,219.41	351.63	262.25	97.56	-4,511.72	-10,818.06	3,470.14	3,268.13	202.01	17.178	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-105.94	-6.19	-21.68	22.55					
100.00	100.00	100.00	100.00	0.27	0.27	-105.94	-6.19	-21.68	22.55	22.01	0.54	41.936		
200.00	200.00	200.00	200.00	0.63	0.63	-105.94	-6.19	-21.68	22.55	21.29	1.25	17.973		
300.00	300.00	300.00	300.00	0.99	0.99	-105.94	-6.19	-21.68	22.55	20.58	1.97	11.437		
400.00	399.98	399.98	399.98	1.33	1.34	49.18	-6.19	-21.68	21.37	18.70	2.67	7.993		
500.00	499.84	499.47	499.45	1.67	1.69	57.19	-7.68	-22.56	19.32	15.97	3.35	5.760		
600.00	599.45	599.08	598.92	2.03	2.02	67.09	-12.15	-25.20	17.86	13.81	4.05	4.413		
700.00	698.70	698.82	698.27	2.41	2.37	78.48	-19.60	-29.61	17.15	12.37	4.78	3.588		
733.12	731.47	731.87	731.13	2.54	2.50	82.43	-22.72	-31.45	17.10	12.06	5.04	3.395 CC		
800.00	797.47	798.67	797.39	2.81	2.75	90.38	-30.03	-35.78	17.30	11.74	5.56	3.111		
900.00	895.62	898.65	896.13	3.25	3.14	101.53	-43.46	-43.71	18.30	11.92	6.38	2.867		
1,000.00	993.06	998.74	994.40	3.72	3.57	111.05	-59.86	-53.41	20.05	12.81	7.24	2.770		
1,100.00	1,089.64	1,098.97	1,092.05	4.23	4.03	118.69	-79.23	-64.86	22.38	14.26	8.11	2.758		
1,200.00	1,185.27	1,199.31	1,188.98	4.78	4.53	124.61	-101.56	-78.06	25.14	16.13	9.01	2.791		
1,300.00	1,279.82	1,299.77	1,285.05	5.38	5.08	129.11	-126.83	-93.00	28.21	18.28	9.93	2.842		
1,400.00	1,373.17	1,400.36	1,380.15	6.03	5.67	132.53	-155.02	-109.66	31.51	20.63	10.88	2.897		
1,500.00	1,465.21	1,501.06	1,474.15	6.73	6.31	135.10	-186.11	-128.04	34.98	23.12	11.87	2.948		
1,600.00	1,555.84	1,601.89	1,566.94	7.48	7.01	137.03	-220.06	-148.11	38.59	25.69	12.90	2.991		
1,700.00	1,644.94	1,702.83	1,658.39	8.28	7.75	138.46	-256.85	-169.86	42.29	28.31	13.99	3.024		
1,800.00	1,732.39	1,803.90	1,748.38	9.13	8.56	139.51	-296.44	-193.26	46.08	30.95	15.13	3.046		
1,900.00	1,818.11	1,905.08	1,836.79	10.04	9.41	140.25	-338.78	-218.29	49.93	33.60	16.33	3.057		
2,000.00	1,901.97	2,006.38	1,923.51	11.00	10.33	140.75	-383.84	-244.93	53.84	36.23	17.61	3.058		
2,100.00	1,983.88	2,107.79	2,008.42	12.01	11.30	141.06	-431.56	-273.14	57.79	38.84	18.95	3.050		
2,200.00	2,063.74	2,209.32	2,091.41	13.07	12.33	141.20	-481.90	-302.90	61.77	41.40	20.37	3.032		
2,300.00	2,141.45	2,310.95	2,172.36	14.19	13.41	141.21	-534.80	-334.17	65.79	43.92	21.87	3.008		
2,400.00	2,216.92	2,412.70	2,251.16	15.35	14.55	141.12	-590.20	-366.92	69.84	46.37	23.46	2.977		
2,500.00	2,290.05	2,514.55	2,327.71	16.57	15.75	140.93	-648.03	-401.11	73.90	48.76	25.14	2.940		
2,600.00	2,360.76	2,616.51	2,401.89	17.83	16.99	140.67	-708.24	-436.70	77.98	51.08	26.91	2.898		
2,700.00	2,428.95	2,718.58	2,473.62	19.14	18.29	140.34	-770.74	-473.65	82.08	53.31	28.77	2.853		
2,800.00	2,494.55	2,820.74	2,542.77	20.50	19.64	139.95	-835.47	-511.91	86.18	55.46	30.73	2.805		
2,900.00	2,557.48	2,920.97	2,608.91	21.89	21.00	140.05	-900.29	-550.24	91.24	58.59	32.65	2.795		
3,000.00	2,618.26	3,020.70	2,674.69	23.33	22.37	141.17	-964.82	-588.38	98.39	64.16	34.23	2.874		
3,100.00	2,678.87	3,120.41	2,740.45	24.77	23.74	142.23	-1,029.34	-626.52	105.73	69.94	35.79	2.954		
3,200.00	2,739.49	3,220.12	2,806.21	26.22	25.12	143.16	-1,093.86	-664.66	113.10	75.73	37.37	3.027		
3,300.00	2,800.10	3,319.83	2,871.98	27.68	26.50	143.97	-1,158.38	-702.81	120.50	81.55	38.95	3.094		
3,400.00	2,860.71	3,419.54	2,937.74	29.14	27.88	144.69	-1,222.90	-740.95	127.92	87.38	40.54	3.155		
3,500.00	2,921.32	3,519.26	3,003.51	30.60	29.27	145.33	-1,287.42	-779.09	135.36	93.21	42.14	3.212		
3,600.00	2,981.94	3,618.97	3,069.27	32.07	30.66	145.90	-1,351.94	-817.23	142.81	99.06	43.75	3.264		
3,700.00	3,042.55	3,718.68	3,135.04	33.54	32.06	146.41	-1,416.46	-855.37	150.28	104.91	45.36	3.313		
3,800.00	3,103.16	3,818.39	3,200.80	35.01	33.46	146.88	-1,480.98	-893.51	157.75	110.77	46.98	3.358		
3,900.00	3,163.77	3,918.11	3,266.56	36.48	34.85	147.31	-1,545.50	-931.65	165.24	116.63	48.61	3.399		
4,000.00	3,224.39	4,017.82	3,332.33	37.96	36.26	147.69	-1,610.02	-969.80	172.73	122.50	50.24	3.438		
4,100.00	3,285.00	4,117.53	3,398.09	39.44	37.66	148.05	-1,674.54	-1,007.94	180.24	128.37	51.87	3.475		
4,200.00	3,345.61	4,217.24	3,463.86	40.92	39.06	148.38	-1,739.06	-1,046.08	187.74	134.24	53.50	3.509		
4,300.00	3,406.22	4,316.95	3,529.62	42.40	40.47	148.68	-1,803.58	-1,084.22	195.26	140.12	55.14	3.541		
4,400.00	3,466.84	4,416.67	3,595.39	43.88	41.87	148.96	-1,868.10	-1,122.36	202.78	145.99	56.78	3.571		
4,500.00	3,527.45	4,516.38	3,661.15	45.36	43.28	149.22	-1,932.62	-1,160.50	210.30	151.87	58.43	3.599		
4,600.00	3,588.06	4,616.09	3,726.91	46.84	44.69	149.46	-1,997.14	-1,198.64	217.83	157.75	60.07	3.626		
4,700.00	3,648.67	4,715.80	3,792.68	48.33	46.10	149.68	-2,061.66	-1,236.79	225.36	163.63	61.72	3.651		
4,800.00	3,709.29	4,815.52	3,858.44	49.81	47.51	149.90	-2,126.18	-1,274.93	232.89	169.52	63.37	3.675		
4,900.00	3,769.90	4,915.23	3,924.21	51.30	48.92	150.09	-2,190.70	-1,313.07	240.43	175.40	65.03	3.697		
5,000.00	3,830.51	5,014.94	3,989.97	52.78	50.33	150.28	-2,255.22	-1,351.21	247.97	181.28	66.68	3.719		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 36-T7N-R67W - MAVERICK 2W-20-01 - OWB - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,600.00	7,001.00	20,448.02	7,321.00	350.00	348.64	127.22	-5,814.64	-13,733.35	529.07	-35.80	564.87	0.937	Level 1
20,683.43	7,001.00	20,531.45	7,321.00	351.63	350.78	127.19	-5,813.83	-13,816.77	529.45	-38.62	568.07	0.932	Level 1, ES, SF

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design 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	
20,600.00	7,001.00	21,221.17	7,321.00	350.00	350.62	-122.47	-6,738.84	-13,738.26	596.08	26.53	569.55	1.047	Level 2
20,600.09	7,001.00	21,221.26	7,321.00	350.00	350.62	-122.47	-6,738.84	-13,738.35	596.08	26.53	569.55	1.047	Level 2
20,683.43	7,001.00	21,297.96	7,321.00	351.63	352.57	-122.46	-6,738.72	-13,815.05	596.28	21.34	574.95	1.037	Level 2, SF

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design 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						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,600.00	7,001.00	21,298.63	7,001.00	350.00	352.32	-90.06	-7,138.48	-13,738.94	902.54	232.31	670.23	1.347	Level 3
20,603.75	7,001.00	21,302.38	7,001.00	350.07	352.41	-90.06	-7,138.48	-13,742.69	902.55	232.15	670.40	1.346	Level 3
20,683.43	7,001.00	21,369.95	7,001.00	351.63	354.12	-90.06	-7,138.36	-13,810.27	902.82	226.47	676.36	1.335	Level 3, SF

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,800.00	2,494.55	2,525.55	2,525.55	20.50	50.43	45.96	-5,644.26	-9,354.11	10,058.11	9,993.29	64.81	155.182		
2,900.00	2,557.48	2,588.48	2,588.48	21.89	51.69	47.46	-5,644.26	-9,354.11	9,993.48	9,926.55	66.93	149.303		
3,000.00	2,618.26	2,649.26	2,649.26	23.33	52.91	48.18	-5,644.26	-9,354.11	9,927.64	9,858.60	69.04	143.805		
3,100.00	2,678.87	2,709.87	2,709.87	24.77	54.13	48.45	-5,644.26	-9,354.11	9,861.88	9,790.73	71.15	138.606		
3,200.00	2,739.49	2,770.49	2,770.49	26.22	55.35	48.73	-5,644.26	-9,354.11	9,796.34	9,723.05	73.28	133.678		
3,300.00	2,800.10	2,831.10	2,831.10	27.68	56.57	49.01	-5,644.26	-9,354.11	9,731.00	9,655.57	75.43	129.002		
3,400.00	2,860.71	2,891.71	2,891.71	29.14	57.79	49.30	-5,644.26	-9,354.11	9,665.87	9,588.27	77.60	124.561		
3,500.00	2,921.32	2,952.32	2,952.32	30.60	59.01	49.58	-5,644.26	-9,354.11	9,600.97	9,521.18	79.78	120.340		
3,600.00	2,981.94	3,012.94	3,012.94	32.07	60.23	49.87	-5,644.26	-9,354.11	9,536.28	9,454.30	81.98	116.324		
3,700.00	3,042.55	3,073.55	3,073.55	33.54	61.45	50.16	-5,644.26	-9,354.11	9,471.82	9,387.63	84.19	112.501		
3,800.00	3,103.16	3,134.16	3,134.16	35.01	62.67	50.46	-5,644.26	-9,354.11	9,407.59	9,321.17	86.42	108.857		
3,900.00	3,163.77	3,194.77	3,194.77	36.48	63.89	50.75	-5,644.26	-9,354.11	9,343.60	9,254.93	88.66	105.381		
4,000.00	3,224.39	3,255.39	3,255.39	37.96	65.10	51.05	-5,644.26	-9,354.11	9,279.84	9,188.92	90.92	102.063		
4,100.00	3,285.00	3,316.00	3,316.00	39.44	66.32	51.35	-5,644.26	-9,354.11	9,216.33	9,123.14	93.19	98.893		
4,200.00	3,345.61	3,376.61	3,376.61	40.92	67.54	51.66	-5,644.26	-9,354.11	9,153.08	9,057.60	95.48	95.862		
4,300.00	3,406.22	3,437.22	3,437.22	42.40	68.76	51.97	-5,644.26	-9,354.11	9,090.07	8,992.29	97.78	92.962		
4,400.00	3,466.84	3,497.84	3,497.84	43.88	69.98	52.27	-5,644.26	-9,354.11	9,027.33	8,927.24	100.10	90.184		
4,500.00	3,527.45	3,558.45	3,558.45	45.36	71.20	52.59	-5,644.26	-9,354.11	8,964.86	8,862.43	102.43	87.522		
4,600.00	3,588.06	3,619.06	3,619.06	46.84	72.42	52.90	-5,644.26	-9,354.11	8,902.66	8,797.88	104.77	84.970		
4,700.00	3,648.67	3,679.67	3,679.67	48.33	73.64	53.22	-5,644.26	-9,354.11	8,840.73	8,733.60	107.13	82.520		
4,800.00	3,709.29	3,740.29	3,740.29	49.81	74.86	53.54	-5,644.26	-9,354.11	8,779.09	8,669.58	109.51	80.168		
4,900.00	3,769.90	3,800.90	3,800.90	51.30	76.08	53.86	-5,644.26	-9,354.11	8,717.74	8,605.84	111.90	77.908		
5,000.00	3,830.51	3,861.51	3,861.51	52.78	77.30	54.18	-5,644.26	-9,354.11	8,656.69	8,542.39	114.30	75.736		
5,100.00	3,891.12	3,922.12	3,922.12	54.27	78.51	54.51	-5,644.26	-9,354.11	8,595.94	8,479.21	116.72	73.645		
5,200.00	3,951.74	3,982.74	3,982.74	55.76	79.73	54.84	-5,644.26	-9,354.11	8,535.49	8,416.34	119.15	71.634		
5,300.00	4,012.35	4,043.35	4,043.35	57.25	80.95	55.17	-5,644.26	-9,354.11	8,475.36	8,353.76	121.60	69.696		
5,400.00	4,072.96	4,103.96	4,103.96	58.73	82.17	55.51	-5,644.26	-9,354.11	8,415.56	8,291.49	124.07	67.830		
5,500.00	4,133.58	4,164.58	4,164.58	60.22	83.39	55.85	-5,644.26	-9,354.11	8,356.08	8,229.53	126.55	66.031		
5,600.00	4,194.19	4,225.19	4,225.19	61.71	84.61	56.19	-5,644.26	-9,354.11	8,296.94	8,167.90	129.04	64.295		
5,700.00	4,254.80	4,285.80	4,285.80	63.20	85.83	56.53	-5,644.26	-9,354.11	8,238.14	8,106.59	131.56	62.621		
5,800.00	4,315.41	4,346.41	4,346.41	64.69	87.05	56.88	-5,644.26	-9,354.11	8,179.70	8,045.61	134.08	61.005		
5,900.00	4,376.03	4,407.03	4,407.03	66.18	88.27	57.23	-5,644.26	-9,354.11	8,121.61	7,984.98	136.63	59.444		
6,000.00	4,436.64	4,467.64	4,467.64	67.67	89.49	57.58	-5,644.26	-9,354.11	8,063.88	7,924.70	139.18	57.937		
6,100.00	4,497.25	4,528.25	4,528.25	69.17	90.70	57.94	-5,644.26	-9,354.11	8,006.54	7,864.78	141.76	56.480		
6,200.00	4,557.86	4,588.86	4,588.86	70.66	91.92	58.29	-5,644.26	-9,354.11	7,949.57	7,805.22	144.35	55.071		
6,300.00	4,618.48	4,649.48	4,649.48	72.15	93.14	58.65	-5,644.26	-9,354.11	7,892.99	7,746.03	146.96	53.709		
6,400.00	4,679.09	4,710.09	4,710.09	73.64	94.36	59.02	-5,644.26	-9,354.11	7,836.82	7,687.23	149.58	52.391		
6,500.00	4,739.70	4,770.70	4,770.70	75.13	95.58	59.38	-5,644.26	-9,354.11	7,781.05	7,628.82	152.22	51.116		
6,600.00	4,800.31	4,831.31	4,831.31	76.62	96.80	59.75	-5,644.26	-9,354.11	7,725.69	7,570.81	154.88	49.882		
6,700.00	4,860.93	4,891.93	4,891.93	78.12	98.02	60.12	-5,644.26	-9,354.11	7,670.76	7,513.21	157.55	48.686		
6,800.00	4,921.54	4,952.54	4,952.54	79.61	99.24	60.50	-5,644.26	-9,354.11	7,616.27	7,456.03	160.25	47.529		
6,900.00	4,982.15	5,013.15	5,013.15	81.10	100.46	60.88	-5,644.26	-9,354.11	7,562.22	7,399.27	162.95	46.407		
7,000.00	5,042.76	5,073.76	5,073.76	82.60	101.68	61.26	-5,644.26	-9,354.11	7,508.62	7,342.95	165.68	45.321		
7,100.00	5,103.38	5,134.38	5,134.38	84.09	102.89	61.64	-5,644.26	-9,354.11	7,455.49	7,287.07	168.42	44.268		
7,200.00	5,163.99	5,194.99	5,194.99	85.58	104.11	62.02	-5,644.26	-9,354.11	7,402.83	7,231.65	171.18	43.247		
7,300.00	5,224.60	5,255.60	5,255.60	87.07	105.33	62.41	-5,644.26	-9,354.11	7,350.65	7,176.70	173.95	42.257		
7,400.00	5,285.21	5,316.21	5,316.21	88.57	106.55	62.80	-5,644.26	-9,354.11	7,298.97	7,122.23	176.74	41.297		
7,500.00	5,345.83	5,376.83	5,376.83	90.06	107.77	63.20	-5,644.26	-9,354.11	7,247.79	7,068.24	179.55	40.366		
7,600.00	5,406.44	5,437.44	5,437.44	91.56	108.99	63.59	-5,644.26	-9,354.11	7,197.13	7,014.75	182.38	39.463		
7,700.00	5,467.05	5,498.05	5,498.05	93.05	110.21	63.99	-5,644.26	-9,354.11	7,146.99	6,961.77	185.22	38.587		
7,800.00	5,527.66	5,558.66	5,558.66	94.54	111.43	64.40	-5,644.26	-9,354.11	7,097.39	6,909.31	188.08	37.736		
7,900.00	5,588.28	5,619.28	5,619.28	96.04	112.65	64.80	-5,644.26	-9,354.11	7,048.34	6,857.39	190.95	36.911		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,000.00	5,648.89	5,679.89	5,679.89	97.53	113.86	65.21	-5,644.26	-9,354.11	6,999.85	6,806.00	193.85	36.110		
8,100.00	5,709.50	5,740.50	5,740.50	99.03	115.08	65.62	-5,644.26	-9,354.11	6,951.93	6,755.17	196.75	35.333		
8,200.00	5,770.11	5,801.11	5,801.11	100.52	116.30	66.03	-5,644.26	-9,354.11	6,904.59	6,704.91	199.68	34.579		
8,300.00	5,830.73	5,861.73	5,861.73	102.02	117.52	66.45	-5,644.26	-9,354.11	6,857.85	6,655.23	202.62	33.846		
8,400.00	5,891.34	5,922.34	5,922.34	103.51	118.74	66.87	-5,644.26	-9,354.11	6,811.72	6,606.14	205.57	33.135		
8,500.00	5,951.95	5,982.95	5,982.95	105.01	119.96	67.29	-5,644.26	-9,354.11	6,766.21	6,557.66	208.54	32.445		
8,600.00	6,012.57	6,043.57	6,043.57	106.50	121.18	67.71	-5,644.26	-9,354.11	6,721.33	6,509.80	211.53	31.775		
8,700.00	6,073.18	6,104.18	6,104.18	108.00	122.40	68.14	-5,644.26	-9,354.11	6,677.09	6,462.56	214.53	31.124		
8,800.00	6,133.79	6,164.79	6,164.79	109.49	123.62	68.56	-5,644.26	-9,354.11	6,633.52	6,415.97	217.55	30.492		
8,900.00	6,194.40	6,225.40	6,225.40	110.98	124.83	69.00	-5,644.26	-9,354.11	6,590.62	6,370.04	220.58	29.879		
9,000.00	6,255.02	6,286.02	6,286.02	112.48	126.05	69.43	-5,644.26	-9,354.11	6,548.40	6,324.78	223.62	29.284		
9,100.00	6,315.63	6,346.63	6,346.63	113.98	127.27	69.87	-5,644.26	-9,354.11	6,506.88	6,280.21	226.67	28.706		
9,200.00	6,376.24	6,407.24	6,407.24	115.47	128.49	70.30	-5,644.26	-9,354.11	6,466.07	6,236.33	229.74	28.145		
9,300.00	6,436.85	6,467.85	6,467.85	116.97	129.71	70.74	-5,644.26	-9,354.11	6,425.99	6,193.17	232.82	27.600		
9,400.00	6,497.47	6,528.47	6,528.47	118.46	130.93	71.19	-5,644.26	-9,354.11	6,386.65	6,150.73	235.91	27.072		
9,500.00	6,558.08	6,589.08	6,589.08	119.96	132.15	71.63	-5,644.26	-9,354.11	6,348.06	6,109.04	239.02	26.559		
9,600.00	6,618.69	6,649.69	6,649.69	121.45	133.37	72.08	-5,644.26	-9,354.11	6,310.23	6,068.10	242.13	26.061		
9,700.00	6,679.30	6,710.30	6,710.30	122.95	134.59	72.53	-5,644.26	-9,354.11	6,273.19	6,027.94	245.25	25.578		
9,800.00	6,739.92	6,770.92	6,770.92	124.44	135.81	72.98	-5,644.26	-9,354.11	6,236.94	5,988.55	248.38	25.110		
9,900.00	6,799.82	6,830.82	6,830.82	125.96	137.01	69.66	-5,644.26	-9,354.11	6,199.03	5,947.53	251.50	24.648		
10,000.00	6,854.86	6,885.86	6,885.86	127.56	138.12	64.33	-5,644.26	-9,354.11	6,147.89	5,893.43	254.46	24.161		
10,100.00	6,902.95	6,933.95	6,933.95	129.22	139.08	60.42	-5,644.26	-9,354.11	6,083.23	5,826.10	257.13	23.658		
10,200.00	6,942.63	6,973.63	6,973.63	130.85	139.88	58.05	-5,644.26	-9,354.11	6,006.80	5,747.37	259.43	23.154		
10,300.00	6,972.70	7,003.70	7,003.70	132.42	140.49	57.53	-5,644.26	-9,354.11	5,920.69	5,659.43	261.27	22.661		
10,400.00	6,992.24	7,023.24	7,023.24	133.85	140.88	60.24	-5,644.26	-9,354.11	5,827.32	5,564.75	262.57	22.193		
10,500.00	7,000.67	7,031.67	7,031.67	135.10	141.05	76.13	-5,644.26	-9,354.11	5,729.33	5,466.05	263.28	21.762		
10,600.00	7,001.00	7,032.00	7,032.00	136.21	141.06	90.00	-5,644.26	-9,354.11	5,629.69	5,366.14	263.55	21.361		
10,700.00	7,001.00	7,032.00	7,032.00	137.35	141.06	90.00	-5,644.26	-9,354.11	5,530.02	5,266.22	263.80	20.963		
10,800.00	7,001.00	7,032.00	7,032.00	138.52	141.06	90.00	-5,644.26	-9,354.11	5,430.36	5,166.29	264.07	20.564		
10,900.00	7,001.00	7,032.00	7,032.00	139.72	141.06	90.00	-5,644.26	-9,354.11	5,330.72	5,066.37	264.35	20.166		
11,000.00	7,001.00	7,032.00	7,032.00	140.95	141.06	90.00	-5,644.26	-9,354.11	5,231.09	4,966.45	264.63	19.767		
11,100.00	7,001.00	7,032.00	7,032.00	142.22	141.06	90.00	-5,644.26	-9,354.11	5,131.47	4,866.54	264.93	19.369		
11,200.00	7,001.00	7,032.00	7,032.00	143.52	141.06	90.00	-5,644.26	-9,354.11	5,031.87	4,766.63	265.24	18.971		
11,300.00	7,001.00	7,032.00	7,032.00	144.85	141.06	90.00	-5,644.26	-9,354.11	4,932.28	4,666.72	265.56	18.573		
11,400.00	7,001.00	7,032.00	7,032.00	146.21	141.06	90.00	-5,644.26	-9,354.11	4,832.72	4,566.82	265.90	18.175		
11,500.00	7,001.00	7,032.00	7,032.00	147.61	141.06	90.00	-5,644.26	-9,354.11	4,733.17	4,466.92	266.24	17.777		
11,600.00	7,001.00	7,032.00	7,032.00	149.03	141.06	90.00	-5,644.26	-9,354.11	4,633.64	4,367.03	266.61	17.380		
11,700.00	7,001.00	7,032.00	7,032.00	150.49	141.06	90.00	-5,644.26	-9,354.11	4,534.13	4,267.14	266.99	16.983		
11,800.00	7,001.00	7,032.00	7,032.00	151.98	141.06	90.00	-5,644.26	-9,354.11	4,434.64	4,167.26	267.38	16.585		
11,900.00	7,001.00	7,032.00	7,032.00	153.50	141.06	90.00	-5,644.26	-9,354.11	4,335.17	4,067.38	267.80	16.188		
12,000.00	7,001.00	7,032.00	7,032.00	155.05	141.06	90.00	-5,644.26	-9,354.11	4,235.74	3,967.51	268.23	15.792		
12,100.00	7,001.00	7,032.00	7,032.00	156.62	141.06	90.00	-5,644.26	-9,354.11	4,136.32	3,867.64	268.68	15.395		
12,200.00	7,001.00	7,032.00	7,032.00	158.23	141.06	90.00	-5,644.26	-9,354.11	4,036.94	3,767.79	269.15	14.999		
12,300.00	7,001.00	7,032.00	7,032.00	159.87	141.06	90.00	-5,644.26	-9,354.11	3,937.59	3,667.94	269.65	14.603		
12,400.00	7,001.00	7,032.00	7,032.00	161.53	141.06	90.00	-5,644.26	-9,354.11	3,838.27	3,568.10	270.17	14.207		
12,500.00	7,001.00	7,032.00	7,032.00	163.22	141.06	90.00	-5,644.26	-9,354.11	3,738.99	3,468.27	270.72	13.811		
12,600.00	7,001.00	7,032.00	7,032.00	164.94	141.06	90.00	-5,644.26	-9,354.11	3,639.75	3,368.45	271.30	13.416		
12,700.00	7,001.00	7,032.00	7,032.00	166.69	141.06	90.00	-5,644.26	-9,354.11	3,540.55	3,268.64	271.91	13.021		
12,800.00	7,001.00	7,032.00	7,032.00	168.46	141.06	90.00	-5,644.26	-9,354.11	3,441.40	3,168.84	272.56	12.626		
12,900.00	7,001.00	7,032.00	7,032.00	170.26	141.06	90.00	-5,644.26	-9,354.11	3,342.29	3,069.05	273.24	12.232		
13,000.00	7,001.00	7,032.00	7,032.00	172.08	141.06	90.00	-5,644.26	-9,354.11	3,243.25	2,969.28	273.96	11.838		
13,100.00	7,001.00	7,032.00	7,032.00	173.92	141.06	90.00	-5,644.26	-9,354.11	3,144.26	2,869.53	274.73	11.445		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-INC													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,200.00	7,001.00	7,032.00	7,032.00	175.79	141.06	90.00	-5,644.26	-9,354.11	3,045.34	2,769.79	275.54	11.052		
13,300.00	7,001.00	7,032.00	7,032.00	177.68	141.06	90.00	-5,644.26	-9,354.11	2,946.49	2,670.08	276.41	10.660		
13,400.00	7,001.00	7,032.00	7,032.00	179.60	141.06	90.00	-5,644.26	-9,354.11	2,847.72	2,570.38	277.34	10.268		
13,500.00	7,001.00	7,032.00	7,032.00	181.53	141.06	90.00	-5,644.26	-9,354.11	2,749.04	2,470.71	278.33	9.877		
13,600.00	7,001.00	7,032.00	7,032.00	183.49	141.06	90.00	-5,644.26	-9,354.11	2,650.46	2,371.07	279.39	9.487		
13,700.00	7,001.00	7,032.00	7,032.00	185.47	141.06	90.00	-5,644.26	-9,354.11	2,551.99	2,271.46	280.53	9.097		
13,800.00	7,001.00	7,032.00	7,032.00	187.47	141.06	90.00	-5,644.26	-9,354.11	2,453.65	2,171.89	281.76	8.708		
13,900.00	7,001.00	7,032.00	7,032.00	189.49	141.06	90.00	-5,644.26	-9,354.11	2,355.44	2,072.36	283.08	8.321		
14,000.00	7,001.00	7,032.00	7,032.00	191.53	141.06	90.00	-5,644.26	-9,354.11	2,257.39	1,972.88	284.52	7.934		
14,100.00	7,001.00	7,032.00	7,032.00	193.58	141.06	90.00	-5,644.26	-9,354.11	2,159.52	1,873.45	286.08	7.549		
14,200.00	7,001.00	7,032.00	7,032.00	195.66	141.06	90.00	-5,644.26	-9,354.11	2,061.86	1,774.08	287.78	7.165		
14,300.00	7,001.00	7,032.00	7,032.00	197.75	141.06	90.00	-5,644.26	-9,354.11	1,964.43	1,674.79	289.63	6.782		
14,400.00	7,001.00	7,032.00	7,032.00	199.85	141.06	90.00	-5,644.26	-9,354.11	1,867.27	1,575.60	291.67	6.402		
14,500.00	7,001.00	7,032.00	7,032.00	201.98	141.06	90.00	-5,644.26	-9,354.11	1,770.43	1,476.51	293.92	6.024		
14,600.00	7,001.00	7,032.00	7,032.00	204.12	141.06	90.00	-5,644.26	-9,354.11	1,673.96	1,377.56	296.40	5.648		
14,700.00	7,001.00	7,032.00	7,032.00	206.27	141.06	90.00	-5,644.26	-9,354.11	1,577.93	1,278.77	299.16	5.275		
14,800.00	7,001.00	7,032.00	7,032.00	208.45	141.06	90.00	-5,644.26	-9,354.11	1,482.42	1,180.18	302.24	4.905		
14,900.00	7,001.00	7,032.00	7,032.00	210.63	141.06	90.00	-5,644.26	-9,354.11	1,387.55	1,081.86	305.69	4.539		
15,000.00	7,001.00	7,032.00	7,032.00	212.83	141.06	90.00	-5,644.26	-9,354.11	1,293.45	983.88	309.57	4.178		
15,100.00	7,001.00	7,032.00	7,032.00	215.04	141.06	90.00	-5,644.26	-9,354.11	1,200.30	886.34	313.97	3.823		
15,200.00	7,001.00	7,032.00	7,032.00	217.27	141.06	90.00	-5,644.26	-9,354.11	1,108.35	789.40	318.95	3.475		
15,300.00	7,001.00	7,032.00	7,032.00	219.51	141.06	90.00	-5,644.26	-9,354.11	1,017.92	693.30	324.63	3.136		
15,400.00	7,001.00	7,032.00	7,032.00	221.76	141.06	90.00	-5,644.26	-9,354.11	929.45	598.37	331.08	2.807		
15,500.00	7,001.00	7,032.00	7,032.00	224.02	141.06	90.00	-5,644.26	-9,354.11	843.57	505.18	338.39	2.493		
15,600.00	7,001.00	7,032.00	7,032.00	226.30	141.06	90.00	-5,644.26	-9,354.11	761.13	414.58	346.55	2.196		
15,700.00	7,001.00	7,032.00	7,032.00	228.58	141.06	90.00	-5,644.26	-9,354.11	683.40	328.00	355.40	1.923		
15,800.00	7,001.00	7,032.00	7,032.00	230.88	141.06	90.00	-5,644.26	-9,354.11	612.17	247.80	364.37	1.680		
15,900.00	7,001.00	7,032.00	7,032.00	233.19	141.06	90.00	-5,644.26	-9,354.11	549.98	177.78	372.20	1.478 Level 3		
16,000.00	7,001.00	7,032.00	7,032.00	235.50	141.06	90.00	-5,644.26	-9,354.11	500.19	123.69	376.51	1.329 Level 3		
16,100.00	7,001.00	7,032.00	7,032.00	237.83	141.06	90.00	-5,644.26	-9,354.11	466.81	92.86	373.95	1.248 Level 2, SF		
16,200.00	7,001.00	7,032.00	7,032.00	240.17	141.06	90.00	-5,644.26	-9,354.11	453.47	91.78	361.68	1.254 Level 3, ES		
16,211.41	7,001.00	7,032.00	7,032.00	240.44	141.06	90.00	-5,644.26	-9,354.11	453.32	93.69	359.63	1.261 Level 3, CC		
16,300.00	7,001.00	7,032.00	7,032.00	242.52	141.06	90.00	-5,644.26	-9,354.11	461.90	121.96	339.94	1.359 Level 3		
16,400.00	7,001.00	7,032.00	7,032.00	244.87	141.06	90.00	-5,644.26	-9,354.11	490.99	178.20	312.79	1.570		
16,500.00	7,001.00	7,032.00	7,032.00	247.24	141.06	90.00	-5,644.26	-9,354.11	537.39	251.95	285.44	1.883		
16,600.00	7,001.00	7,032.00	7,032.00	249.61	141.06	90.00	-5,644.26	-9,354.11	597.08	335.58	261.51	2.283		
16,700.00	7,001.00	7,032.00	7,032.00	251.99	141.06	90.00	-5,644.26	-9,354.11	666.50	424.07	242.43	2.749		
16,800.00	7,001.00	7,032.00	7,032.00	254.38	141.06	90.00	-5,644.26	-9,354.11	742.93	514.64	228.29	3.254		
16,900.00	7,001.00	7,032.00	7,032.00	256.78	141.06	90.00	-5,644.26	-9,354.11	824.42	605.91	218.51	3.773		
17,000.00	7,001.00	7,032.00	7,032.00	259.18	141.06	90.00	-5,644.26	-9,354.11	909.60	697.34	212.27	4.285		
17,100.00	7,001.00	7,032.00	7,032.00	261.59	141.06	90.00	-5,644.26	-9,354.11	997.55	788.82	208.73	4.779		
17,200.00	7,001.00	7,032.00	7,032.00	264.01	141.06	90.00	-5,644.26	-9,354.11	1,087.57	880.46	207.11	5.251		
17,300.00	7,001.00	7,032.00	7,032.00	266.44	141.06	90.00	-5,644.26	-9,354.11	1,179.21	972.42	206.79	5.702		
17,400.00	7,001.00	7,032.00	7,032.00	268.87	141.06	90.00	-5,644.26	-9,354.11	1,272.11	1,064.81	207.29	6.137		
17,500.00	7,001.00	7,032.00	7,032.00	271.31	141.06	90.00	-5,644.26	-9,354.11	1,366.01	1,157.72	208.29	6.558		
17,600.00	7,001.00	7,032.00	7,032.00	273.75	141.06	90.00	-5,644.26	-9,354.11	1,460.72	1,251.15	209.56	6.970		
17,700.00	7,001.00	7,032.00	7,032.00	276.20	141.06	90.00	-5,644.26	-9,354.11	1,556.09	1,345.11	210.97	7.376		
17,800.00	7,001.00	7,032.00	7,032.00	278.66	141.06	90.00	-5,644.26	-9,354.11	1,652.01	1,439.57	212.44	7.776		
17,900.00	7,001.00	7,032.00	7,032.00	281.12	141.06	90.00	-5,644.26	-9,354.11	1,748.38	1,534.49	213.90	8.174		
18,000.00	7,001.00	7,032.00	7,032.00	283.59	141.06	90.00	-5,644.26	-9,354.11	1,845.25	1,629.95	215.30	8.571		
18,100.00	7,001.00	7,032.00	7,032.00	286.09	141.06	90.00	-5,644.26	-9,354.11	1,943.09	1,726.61	216.48	8.976		
18,200.00	7,001.00	7,032.00	7,032.00	288.62	141.06	90.00	-5,644.26	-9,354.11	2,041.76	1,824.34	217.41	9.391		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-INC												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,300.00	7,001.00	7,032.00	7,032.00	291.16	141.06	90.00	-5,644.26	-9,354.11	2,140.79	1,922.59	218.20	9.811	
18,400.00	7,001.00	7,032.00	7,032.00	293.71	141.06	90.00	-5,644.26	-9,354.11	2,239.91	2,020.98	218.93	10.231	
18,500.00	7,001.00	7,032.00	7,032.00	296.26	141.06	90.00	-5,644.26	-9,354.11	2,339.10	2,119.48	219.62	10.650	
18,600.00	7,001.00	7,032.00	7,032.00	298.81	141.06	90.00	-5,644.26	-9,354.11	2,438.36	2,218.09	220.27	11.070	
18,700.00	7,001.00	7,032.00	7,032.00	301.36	141.06	90.00	-5,644.26	-9,354.11	2,537.68	2,316.80	220.88	11.489	
18,800.00	7,001.00	7,032.00	7,032.00	303.92	141.06	90.00	-5,644.26	-9,354.11	2,637.05	2,415.59	221.46	11.908	
18,900.00	7,001.00	7,032.00	7,032.00	306.48	141.06	90.00	-5,644.26	-9,354.11	2,736.47	2,514.47	222.00	12.326	
19,000.00	7,001.00	7,032.00	7,032.00	309.04	141.06	90.00	-5,644.26	-9,354.11	2,835.92	2,613.41	222.51	12.745	
19,100.00	7,001.00	7,032.00	7,032.00	311.61	141.06	90.00	-5,644.26	-9,354.11	2,935.42	2,712.42	223.00	13.164	
19,200.00	7,001.00	7,032.00	7,032.00	314.18	141.06	90.00	-5,644.26	-9,354.11	3,034.94	2,811.49	223.46	13.582	
19,300.00	7,001.00	7,032.00	7,032.00	316.75	141.06	90.00	-5,644.26	-9,354.11	3,134.50	2,910.61	223.89	14.000	
19,400.00	7,001.00	7,032.00	7,032.00	319.32	141.06	90.00	-5,644.26	-9,354.11	3,234.09	3,009.78	224.31	14.418	
19,500.00	7,001.00	7,032.00	7,032.00	321.90	141.06	90.00	-5,644.26	-9,354.11	3,333.69	3,108.99	224.70	14.836	
19,600.00	7,001.00	7,032.00	7,032.00	324.48	141.06	90.00	-5,644.26	-9,354.11	3,433.33	3,208.25	225.08	15.254	
19,700.00	7,001.00	7,032.00	7,032.00	327.05	141.06	90.00	-5,644.26	-9,354.11	3,532.91	3,307.45	225.46	15.670	
19,800.00	7,001.00	7,032.00	7,032.00	329.62	141.06	90.00	-5,644.26	-9,354.11	3,632.17	3,406.22	225.96	16.075	
19,900.00	7,001.00	7,032.00	7,032.00	332.16	141.06	90.00	-5,644.26	-9,354.11	3,731.02	3,504.46	226.56	16.468	
20,000.00	7,001.00	7,032.00	7,032.00	334.70	141.06	90.00	-5,644.26	-9,354.11	3,829.71	3,602.52	227.19	16.857	
20,100.00	7,001.00	7,032.00	7,032.00	337.24	141.06	90.00	-5,644.26	-9,354.11	3,928.47	3,700.68	227.79	17.246	
20,200.00	7,001.00	7,032.00	7,032.00	339.79	141.06	90.00	-5,644.26	-9,354.11	4,027.29	3,798.92	228.37	17.635	
20,300.00	7,001.00	7,032.00	7,032.00	342.34	141.06	90.00	-5,644.26	-9,354.11	4,126.16	3,897.24	228.92	18.024	
20,400.00	7,001.00	7,032.00	7,032.00	344.89	141.06	90.00	-5,644.26	-9,354.11	4,225.09	3,995.63	229.46	18.413	
20,500.00	7,001.00	7,032.00	7,032.00	347.44	141.06	90.00	-5,644.26	-9,354.11	4,324.07	4,094.10	229.98	18.802	
20,600.00	7,001.00	7,032.00	7,032.00	350.00	141.06	90.00	-5,644.26	-9,354.11	4,423.10	4,192.62	230.47	19.191	
20,683.43	7,001.00	7,032.00	7,032.00	351.63	141.06	90.00	-5,644.26	-9,354.11	4,505.75	4,273.16	232.59	19.372	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,000.00	1,901.97	1,873.97	1,873.97	11.00	6.52	24.84	-6,967.23	-7,816.97	10,012.53	9,998.05	14.48	691.640		
2,100.00	1,983.88	1,955.88	1,955.88	12.01	6.81	25.51	-6,967.23	-7,816.97	9,959.00	9,943.71	15.29	651.448		
2,200.00	2,063.74	2,035.74	2,035.74	13.07	7.10	26.25	-6,967.23	-7,816.97	9,902.89	9,886.78	16.11	614.884		
2,300.00	2,141.45	2,113.45	2,113.45	14.19	7.38	27.06	-6,967.23	-7,816.97	9,844.26	9,827.33	16.93	581.481		
2,400.00	2,216.92	2,188.92	2,188.92	15.35	7.65	27.94	-6,967.23	-7,816.97	9,783.20	9,765.44	17.76	550.851		
2,500.00	2,290.05	2,262.05	2,262.05	16.57	7.91	28.90	-6,967.23	-7,816.97	9,719.78	9,701.18	18.60	522.666		
2,600.00	2,360.76	2,332.76	2,332.76	17.83	8.17	29.95	-6,967.23	-7,816.97	9,654.10	9,634.66	19.44	496.648		
2,700.00	2,428.95	2,400.95	2,400.95	19.14	8.41	31.09	-6,967.23	-7,816.97	9,586.24	9,565.96	20.29	472.561		
2,800.00	2,494.55	2,466.55	2,466.55	20.50	8.64	32.34	-6,967.23	-7,816.97	9,516.30	9,495.16	21.14	450.201		
2,900.00	2,557.48	2,529.48	2,529.48	21.89	8.87	33.70	-6,967.23	-7,816.97	9,444.37	9,422.37	21.99	429.391		
3,000.00	2,618.26	2,590.26	2,590.26	23.33	9.09	34.36	-6,967.23	-7,816.97	9,370.96	9,348.10	22.86	409.979		
3,100.00	2,678.87	2,650.87	2,650.87	24.77	9.31	34.60	-6,967.23	-7,816.97	9,297.53	9,273.80	23.73	391.811		
3,200.00	2,739.49	2,711.49	2,711.49	26.22	9.52	34.85	-6,967.23	-7,816.97	9,224.20	9,199.59	24.62	374.716		
3,300.00	2,800.10	2,772.10	2,772.10	27.68	9.74	35.11	-6,967.23	-7,816.97	9,150.98	9,125.46	25.52	358.619		
3,400.00	2,860.71	2,832.71	2,832.71	29.14	9.96	35.36	-6,967.23	-7,816.97	9,077.86	9,051.43	26.43	343.448		
3,500.00	2,921.32	2,893.32	2,893.32	30.60	10.17	35.62	-6,967.23	-7,816.97	9,004.85	8,977.49	27.36	329.138		
3,600.00	2,981.94	2,953.94	2,953.94	32.07	10.39	35.89	-6,967.23	-7,816.97	8,931.96	8,903.66	28.30	315.626		
3,700.00	3,042.55	3,014.55	3,014.55	33.54	10.61	36.15	-6,967.23	-7,816.97	8,859.17	8,829.92	29.25	302.855		
3,800.00	3,103.16	3,075.16	3,075.16	35.01	10.83	36.42	-6,967.23	-7,816.97	8,786.51	8,756.29	30.22	290.773		
3,900.00	3,163.77	3,135.77	3,135.77	36.48	11.04	36.70	-6,967.23	-7,816.97	8,713.96	8,682.77	31.20	279.332		
4,000.00	3,224.39	3,196.39	3,196.39	37.96	11.26	36.97	-6,967.23	-7,816.97	8,641.54	8,609.35	32.19	268.486		
4,100.00	3,285.00	3,257.00	3,257.00	39.44	11.48	37.25	-6,967.23	-7,816.97	8,569.24	8,536.05	33.19	258.194		
4,200.00	3,345.61	3,317.61	3,317.61	40.92	11.70	37.54	-6,967.23	-7,816.97	8,497.08	8,462.87	34.20	248.420		
4,300.00	3,406.22	3,378.22	3,378.22	42.40	11.91	37.82	-6,967.23	-7,816.97	8,425.04	8,389.81	35.23	239.127		
4,400.00	3,466.84	3,438.84	3,438.84	43.88	12.13	38.12	-6,967.23	-7,816.97	8,353.14	8,316.87	36.27	230.285		
4,500.00	3,527.45	3,499.45	3,499.45	45.36	12.35	38.41	-6,967.23	-7,816.97	8,281.39	8,244.06	37.33	221.863		
4,600.00	3,588.06	3,560.06	3,560.06	46.84	12.56	38.71	-6,967.23	-7,816.97	8,209.77	8,171.38	38.39	213.836		
4,700.00	3,648.67	3,620.67	3,620.67	48.33	12.78	39.01	-6,967.23	-7,816.97	8,138.30	8,098.83	39.47	206.178		
4,800.00	3,709.29	3,681.29	3,681.29	49.81	13.00	39.32	-6,967.23	-7,816.97	8,066.99	8,026.42	40.56	198.866		
4,900.00	3,769.90	3,741.90	3,741.90	51.30	13.22	39.63	-6,967.23	-7,816.97	7,995.82	7,954.15	41.67	191.879		
5,000.00	3,830.51	3,802.51	3,802.51	52.78	13.43	39.95	-6,967.23	-7,816.97	7,924.82	7,882.03	42.79	185.198		
5,100.00	3,891.12	3,863.12	3,863.12	54.27	13.65	40.27	-6,967.23	-7,816.97	7,853.98	7,810.06	43.92	178.805		
5,200.00	3,951.74	3,923.74	3,923.74	55.76	13.87	40.59	-6,967.23	-7,816.97	7,783.31	7,738.24	45.07	172.683		
5,300.00	4,012.35	3,984.35	3,984.35	57.25	14.09	40.92	-6,967.23	-7,816.97	7,712.81	7,666.58	46.24	166.816		
5,400.00	4,072.96	4,044.96	4,044.96	58.73	14.30	41.25	-6,967.23	-7,816.97	7,642.49	7,595.08	47.41	161.191		
5,500.00	4,133.58	4,105.58	4,105.58	60.22	14.52	41.59	-6,967.23	-7,816.97	7,572.35	7,523.75	48.61	155.793		
5,600.00	4,194.19	4,166.19	4,166.19	61.71	14.74	41.93	-6,967.23	-7,816.97	7,502.40	7,452.59	49.81	150.612		
5,700.00	4,254.80	4,226.80	4,226.80	63.20	14.95	42.28	-6,967.23	-7,816.97	7,432.64	7,381.61	51.04	145.635		
5,800.00	4,315.41	4,287.41	4,287.41	64.69	15.17	42.63	-6,967.23	-7,816.97	7,363.08	7,310.81	52.28	140.851		
5,900.00	4,376.03	4,348.03	4,348.03	66.18	15.39	42.98	-6,967.23	-7,816.97	7,293.73	7,240.20	53.53	136.251		
6,000.00	4,436.64	4,408.64	4,408.64	67.67	15.61	43.34	-6,967.23	-7,816.97	7,224.58	7,169.78	54.80	131.825		
6,100.00	4,497.25	4,469.25	4,469.25	69.17	15.82	43.71	-6,967.23	-7,816.97	7,155.65	7,099.56	56.09	127.565		
6,200.00	4,557.86	4,529.86	4,529.86	70.66	16.04	44.08	-6,967.23	-7,816.97	7,086.94	7,029.54	57.40	123.463		
6,300.00	4,618.48	4,590.48	4,590.48	72.15	16.26	44.45	-6,967.23	-7,816.97	7,018.46	6,959.74	58.73	119.511		
6,400.00	4,679.09	4,651.09	4,651.09	73.64	16.48	44.83	-6,967.23	-7,816.97	6,950.22	6,890.15	60.07	115.702		
6,500.00	4,739.70	4,711.70	4,711.70	75.13	16.69	45.22	-6,967.23	-7,816.97	6,882.22	6,820.79	61.43	112.029		
6,600.00	4,800.31	4,772.31	4,772.31	76.62	16.91	45.61	-6,967.23	-7,816.97	6,814.47	6,751.65	62.81	108.487		
6,700.00	4,860.93	4,832.93	4,832.93	78.12	17.13	46.01	-6,967.23	-7,816.97	6,746.97	6,682.76	64.21	105.069		
6,800.00	4,921.54	4,893.54	4,893.54	79.61	17.34	46.41	-6,967.23	-7,816.97	6,679.74	6,614.11	65.64	101.770		
6,900.00	4,982.15	4,954.15	4,954.15	81.10	17.56	46.81	-6,967.23	-7,816.97	6,612.79	6,545.71	67.08	98.584		
7,000.00	5,042.76	5,014.76	5,014.76	82.60	17.78	47.22	-6,967.23	-7,816.97	6,546.11	6,477.57	68.54	95.508		
7,100.00	5,103.38	5,075.38	5,075.38	84.09	18.00	47.64	-6,967.23	-7,816.97	6,479.73	6,409.71	70.02	92.536		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,200.00	5,163.99	5,135.99	5,135.99	85.58	18.21	48.07	-6,967.23	-7,816.97	6,413.64	6,342.12	71.53	89.664		
7,300.00	5,224.60	5,196.60	5,196.60	87.07	18.43	48.49	-6,967.23	-7,816.97	6,347.87	6,274.81	73.06	86.888		
7,400.00	5,285.21	5,257.21	5,257.21	88.57	18.65	48.93	-6,967.23	-7,816.97	6,282.41	6,207.80	74.61	84.204		
7,500.00	5,345.83	5,317.83	5,317.83	90.06	18.87	49.37	-6,967.23	-7,816.97	6,217.28	6,141.10	76.18	81.609		
7,600.00	5,406.44	5,378.44	5,378.44	91.56	19.08	49.82	-6,967.23	-7,816.97	6,152.49	6,074.71	77.78	79.099		
7,700.00	5,467.05	5,439.05	5,439.05	93.05	19.30	50.27	-6,967.23	-7,816.97	6,088.05	6,008.64	79.40	76.671		
7,800.00	5,527.66	5,499.66	5,499.66	94.54	19.52	50.73	-6,967.23	-7,816.97	6,023.97	5,942.92	81.05	74.322		
7,900.00	5,588.28	5,560.28	5,560.28	96.04	19.73	51.19	-6,967.23	-7,816.97	5,960.26	5,877.53	82.72	72.049		
8,000.00	5,648.89	5,620.89	5,620.89	97.53	19.95	51.66	-6,967.23	-7,816.97	5,896.94	5,812.51	84.42	69.849		
8,100.00	5,709.50	5,681.50	5,681.50	99.03	20.17	52.14	-6,967.23	-7,816.97	5,834.01	5,747.86	86.15	67.720		
8,200.00	5,770.11	5,742.11	5,742.11	100.52	20.39	52.62	-6,967.23	-7,816.97	5,771.49	5,683.59	87.90	65.659		
8,300.00	5,830.73	5,802.73	5,802.73	102.02	20.60	53.11	-6,967.23	-7,816.97	5,709.40	5,619.72	89.68	63.664		
8,400.00	5,891.34	5,863.34	5,863.34	103.51	20.82	53.61	-6,967.23	-7,816.97	5,647.74	5,556.26	91.49	61.733		
8,500.00	5,951.95	5,923.95	5,923.95	105.01	21.04	54.11	-6,967.23	-7,816.97	5,586.54	5,493.22	93.32	59.863		
8,600.00	6,012.57	5,984.57	5,984.57	106.50	21.26	54.62	-6,967.23	-7,816.97	5,525.80	5,430.62	95.19	58.053		
8,700.00	6,073.18	6,045.18	6,045.18	108.00	21.47	55.13	-6,967.23	-7,816.97	5,465.55	5,368.47	97.08	56.301		
8,800.00	6,133.79	6,105.79	6,105.79	109.49	21.69	55.66	-6,967.23	-7,816.97	5,405.79	5,306.79	99.00	54.604		
8,900.00	6,194.40	6,166.40	6,166.40	110.98	21.91	56.18	-6,967.23	-7,816.97	5,346.55	5,245.60	100.95	52.961		
9,000.00	6,255.02	6,227.02	6,227.02	112.48	22.12	56.72	-6,967.23	-7,816.97	5,287.85	5,184.91	102.93	51.371		
9,100.00	6,315.63	6,287.63	6,287.63	113.98	22.34	57.26	-6,967.23	-7,816.97	5,229.69	5,124.74	104.95	49.832		
9,200.00	6,376.24	6,348.24	6,348.24	115.47	22.56	57.81	-6,967.23	-7,816.97	5,172.10	5,065.11	106.99	48.342		
9,300.00	6,436.85	6,408.85	6,408.85	116.97	22.78	58.36	-6,967.23	-7,816.97	5,115.10	5,006.04	109.06	46.900		
9,400.00	6,497.47	6,469.47	6,469.47	118.46	22.99	58.92	-6,967.23	-7,816.97	5,058.71	4,947.54	111.17	45.505		
9,500.00	6,558.08	6,530.08	6,530.08	119.96	23.21	59.49	-6,967.23	-7,816.97	5,002.95	4,889.64	113.31	44.155		
9,600.00	6,618.69	6,590.69	6,590.69	121.45	23.43	60.07	-6,967.23	-7,816.97	4,947.84	4,832.37	115.47	42.848		
9,700.00	6,679.30	6,651.30	6,651.30	122.95	23.65	60.65	-6,967.23	-7,816.97	4,893.40	4,775.73	117.67	41.585		
9,800.00	6,739.92	6,711.92	6,711.92	124.44	23.86	61.24	-6,967.23	-7,816.97	4,839.65	4,719.75	119.90	40.363		
9,900.00	6,799.82	6,771.82	6,771.82	125.96	24.08	61.82	-6,967.23	-7,816.97	4,784.44	4,662.32	122.13	39.177		
10,000.00	6,854.86	6,826.86	6,826.86	127.56	24.28	62.41	-6,967.23	-7,816.97	4,729.71	4,603.59	124.43	38.008		
10,100.00	6,902.95	6,874.95	6,874.95	129.22	24.45	63.01	-6,967.23	-7,816.97	4,675.72	4,549.93	126.79	36.884		
10,200.00	6,942.63	6,914.63	6,914.63	130.85	24.59	63.62	-6,967.23	-7,816.97	4,622.57	4,497.52	129.20	35.834		
10,300.00	6,972.70	6,944.70	6,944.70	132.42	24.70	64.24	-6,967.23	-7,816.97	4,569.68	4,445.87	131.67	34.883		
10,400.00	6,992.24	6,964.24	6,964.24	133.85	24.77	64.87	-6,967.23	-7,816.97	4,517.79	4,394.74	134.20	34.055		
10,500.00	7,000.67	6,972.67	6,972.67	135.10	24.80	65.50	-6,967.23	-7,816.97	4,466.82	4,344.12	136.77	33.373		
10,600.00	7,001.00	6,973.00	6,973.00	136.21	24.80	66.13	-6,967.23	-7,816.97	4,416.90	4,294.97	139.37	32.806		
10,700.00	7,001.00	6,973.00	6,973.00	137.35	24.80	66.77	-6,967.23	-7,816.97	4,367.15	4,245.05	142.00	32.247		
10,800.00	7,001.00	6,973.00	6,973.00	138.52	24.80	67.41	-6,967.23	-7,816.97	4,317.51	4,195.28	144.67	31.692		
10,900.00	7,001.00	6,973.00	6,973.00	139.72	24.80	68.06	-6,967.23	-7,816.97	4,268.00	4,145.68	147.37	31.140		
11,000.00	7,001.00	6,973.00	6,973.00	140.95	24.80	68.71	-6,967.23	-7,816.97	4,218.60	4,096.25	150.10	30.593		
11,100.00	7,001.00	6,973.00	6,973.00	142.22	24.80	69.37	-6,967.23	-7,816.97	4,169.35	4,047.01	152.87	30.051		
11,200.00	7,001.00	6,973.00	6,973.00	143.52	24.80	70.03	-6,967.23	-7,816.97	4,120.15	4,000.98	155.67	29.514		
11,300.00	7,001.00	6,973.00	6,973.00	144.85	24.80	70.70	-6,967.23	-7,816.97	4,071.00	3,955.16	158.50	28.982		
11,400.00	7,001.00	6,973.00	6,973.00	146.21	24.80	71.37	-6,967.23	-7,816.97	4,022.00	3,909.68	161.37	28.457		
11,500.00	7,001.00	6,973.00	6,973.00	147.61	24.80	72.05	-6,967.23	-7,816.97	3,973.15	3,864.48	164.27	27.938		
11,600.00	7,001.00	6,973.00	6,973.00	149.03	24.80	72.73	-6,967.23	-7,816.97	3,924.35	3,819.64	167.20	27.426		
11,700.00	7,001.00	6,973.00	6,973.00	150.49	24.80	73.41	-6,967.23	-7,816.97	3,875.60	3,775.25	170.17	26.923		
11,800.00	7,001.00	6,973.00	6,973.00	151.98	24.80	74.10	-6,967.23	-7,816.97	3,826.90	3,730.81	173.17	26.428		
11,900.00	7,001.00	6,973.00	6,973.00	153.50	24.80	74.79	-6,967.23	-7,816.97	3,778.25	3,686.81	176.20	25.943		
12,000.00	7,001.00	6,973.00	6,973.00	155.05	24.80	75.49	-6,967.23	-7,816.97	3,729.65	3,642.81	179.27	25.469		
12,100.00	7,001.00	6,973.00	6,973.00	156.62	24.80	76.19	-6,967.23	-7,816.97	3,681.10	3,598.81	182.37	25.006		
12,200.00	7,001.00	6,973.00	6,973.00	158.23	24.80	76.90	-6,967.23	-7,816.97	3,632.60	3,554.81	185.50	24.556		
12,300.00	7,001.00	6,973.00	6,973.00	159.87	24.80	77.61	-6,967.23	-7,816.97	3,584.15	3,510.81	188.67	24.120		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,400.00	7,001.00	6,973.00	6,973.00	161.53	24.80	-90.00	-6,967.23	-7,816.97	2,432.49	2,329.85	102.65	23.698		
12,500.00	7,001.00	6,973.00	6,973.00	163.22	24.80	-90.00	-6,967.23	-7,816.97	2,339.34	2,238.90	100.44	23.292		
12,600.00	7,001.00	6,973.00	6,973.00	164.94	24.80	-90.00	-6,967.23	-7,816.97	2,246.78	2,148.67	98.11	22.901		
12,700.00	7,001.00	6,973.00	6,973.00	166.69	24.80	-90.00	-6,967.23	-7,816.97	2,154.88	2,059.22	95.66	22.526		
12,800.00	7,001.00	6,973.00	6,973.00	168.46	24.80	-90.00	-6,967.23	-7,816.97	2,063.74	1,970.62	93.12	22.163		
12,900.00	7,001.00	6,973.00	6,973.00	170.26	24.80	-90.00	-6,967.23	-7,816.97	1,973.45	1,882.96	90.49	21.808		
13,000.00	7,001.00	6,973.00	6,973.00	172.08	24.80	-90.00	-6,967.23	-7,816.97	1,884.15	1,796.31	87.83	21.451		
13,100.00	7,001.00	6,973.00	6,973.00	173.92	24.80	-90.00	-6,967.23	-7,816.97	1,795.97	1,710.75	85.22	21.075		
13,200.00	7,001.00	6,973.00	6,973.00	175.79	24.80	-90.00	-6,967.23	-7,816.97	1,709.10	1,626.33	82.76	20.651		
13,300.00	7,001.00	6,973.00	6,973.00	177.68	24.80	-90.00	-6,967.23	-7,816.97	1,623.73	1,543.08	80.65	20.134		
13,400.00	7,001.00	6,973.00	6,973.00	179.60	24.80	-90.00	-6,967.23	-7,816.97	1,540.13	1,460.99	79.14	19.461		
13,500.00	7,001.00	6,973.00	6,973.00	181.53	24.80	-90.00	-6,967.23	-7,816.97	1,458.60	1,380.01	78.58	18.561		
13,600.00	7,001.00	6,973.00	6,973.00	183.49	24.80	-90.00	-6,967.23	-7,816.97	1,379.49	1,300.08	79.41	17.371		
13,700.00	7,001.00	6,973.00	6,973.00	185.47	24.80	-90.00	-6,967.23	-7,816.97	1,303.26	1,221.21	82.06	15.882		
13,800.00	7,001.00	6,973.00	6,973.00	187.47	24.80	-90.00	-6,967.23	-7,816.97	1,230.45	1,143.58	86.87	14.165		
13,900.00	7,001.00	6,973.00	6,973.00	189.49	24.80	-90.00	-6,967.23	-7,816.97	1,161.68	1,067.65	94.03	12.355		
14,000.00	7,001.00	6,973.00	6,973.00	191.53	24.80	-90.00	-6,967.23	-7,816.97	1,097.72	994.17	103.56	10.600		
14,100.00	7,001.00	6,973.00	6,973.00	193.58	24.80	-90.00	-6,967.23	-7,816.97	1,039.47	924.15	115.31	9.014		
14,200.00	7,001.00	6,973.00	6,973.00	195.66	24.80	-90.00	-6,967.23	-7,816.97	987.92	858.90	129.03	7.657		
14,300.00	7,001.00	6,973.00	6,973.00	197.75	24.80	-90.00	-6,967.23	-7,816.97	944.19	799.92	144.27	6.545		
14,400.00	7,001.00	6,973.00	6,973.00	199.85	24.80	-90.00	-6,967.23	-7,816.97	909.39	748.93	160.46	5.667		
14,500.00	7,001.00	6,973.00	6,973.00	201.98	24.80	-90.00	-6,967.23	-7,816.97	884.58	707.75	176.83	5.002		
14,600.00	7,001.00	6,973.00	6,973.00	204.12	24.80	-90.00	-6,967.23	-7,816.97	870.62	678.09	192.54	4.522		
14,672.51	7,001.00	6,973.00	6,973.00	205.68	24.80	-90.00	-6,967.23	-7,816.97	867.60	664.58	203.02	4.273 CC		
14,700.00	7,001.00	6,973.00	6,973.00	206.27	24.80	-90.00	-6,967.23	-7,816.97	868.04	661.31	206.73	4.199		
14,800.00	7,001.00	6,973.00	6,973.00	208.45	24.80	-90.00	-6,967.23	-7,816.97	876.92	658.17	218.74	4.009 ES		
14,900.00	7,001.00	6,973.00	6,973.00	210.63	24.80	-90.00	-6,967.23	-7,816.97	896.93	668.73	228.20	3.930 SF		
15,000.00	7,001.00	6,973.00	6,973.00	212.83	24.80	-90.00	-6,967.23	-7,816.97	927.35	692.30	235.05	3.945		
15,100.00	7,001.00	6,973.00	6,973.00	215.04	24.80	-90.00	-6,967.23	-7,816.97	967.20	727.70	239.51	4.038		
15,200.00	7,001.00	6,973.00	6,973.00	217.27	24.80	-90.00	-6,967.23	-7,816.97	1,015.37	773.44	241.93	4.197		
15,300.00	7,001.00	6,973.00	6,973.00	219.51	24.80	-90.00	-6,967.23	-7,816.97	1,070.74	827.99	242.75	4.411		
15,400.00	7,001.00	6,973.00	6,973.00	221.76	24.80	-90.00	-6,967.23	-7,816.97	1,132.24	889.86	242.38	4.671		
15,500.00	7,001.00	6,973.00	6,973.00	224.02	24.80	-90.00	-6,967.23	-7,816.97	1,198.95	957.78	241.17	4.971		
15,600.00	7,001.00	6,973.00	6,973.00	226.30	24.80	-90.00	-6,967.23	-7,816.97	1,270.03	1,030.64	239.39	5.305		
15,700.00	7,001.00	6,973.00	6,973.00	228.58	24.80	-90.00	-6,967.23	-7,816.97	1,344.79	1,107.54	237.26	5.668		
15,800.00	7,001.00	6,973.00	6,973.00	230.88	24.80	-90.00	-6,967.23	-7,816.97	1,422.66	1,187.74	234.93	6.056		
15,900.00	7,001.00	6,973.00	6,973.00	233.19	24.80	-90.00	-6,967.23	-7,816.97	1,503.15	1,270.65	232.50	6.465		
16,000.00	7,001.00	6,973.00	6,973.00	235.50	24.80	-90.00	-6,967.23	-7,816.97	1,585.87	1,355.81	230.06	6.893		
16,100.00	7,001.00	6,973.00	6,973.00	237.83	24.80	-90.00	-6,967.23	-7,816.97	1,670.47	1,442.82	227.65	7.338		
16,200.00	7,001.00	6,973.00	6,973.00	240.17	24.80	-90.00	-6,967.23	-7,816.97	1,756.69	1,531.39	225.30	7.797		
16,300.00	7,001.00	6,973.00	6,973.00	242.52	24.80	-90.00	-6,967.23	-7,816.97	1,844.31	1,621.27	223.04	8.269		
16,400.00	7,001.00	6,973.00	6,973.00	244.87	24.80	-90.00	-6,967.23	-7,816.97	1,933.12	1,712.25	220.87	8.752		
16,500.00	7,001.00	6,973.00	6,973.00	247.24	24.80	-90.00	-6,967.23	-7,816.97	2,022.98	1,804.18	218.81	9.246		
16,600.00	7,001.00	6,973.00	6,973.00	249.61	24.80	-90.00	-6,967.23	-7,816.97	2,113.76	1,896.91	216.85	9.748		
16,700.00	7,001.00	6,973.00	6,973.00	251.99	24.80	-90.00	-6,967.23	-7,816.97	2,205.33	1,990.34	214.98	10.258		
16,800.00	7,001.00	6,973.00	6,973.00	254.38	24.80	-90.00	-6,967.23	-7,816.97	2,297.60	2,084.38	213.22	10.776		
16,900.00	7,001.00	6,973.00	6,973.00	256.78	24.80	-90.00	-6,967.23	-7,816.97	2,390.49	2,178.94	211.56	11.300		
17,000.00	7,001.00	6,973.00	6,973.00	259.18	24.80	-90.00	-6,967.23	-7,816.97	2,483.94	2,273.96	209.98	11.830		
17,100.00	7,001.00	6,973.00	6,973.00	261.59	24.80	-90.00	-6,967.23	-7,816.97	2,577.88	2,369.39	208.48	12.365		
17,200.00	7,001.00	6,973.00	6,973.00	264.01	24.80	-90.00	-6,967.23	-7,816.97	2,672.26	2,465.18	207.07	12.905		
17,300.00	7,001.00	6,973.00	6,973.00	266.44	24.80	-90.00	-6,967.23	-7,816.97	2,767.03	2,561.30	205.73	13.450		
17,400.00	7,001.00	6,973.00	6,973.00	268.87	24.80	-90.00	-6,967.23	-7,816.97	2,862.16	2,657.69	204.47	13.998		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T6N-R67W - ABND VERT MOSIER 1-2 - 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		
17,500.00	7,001.00	6,973.00	6,973.00	271.31	24.80	-90.00	-6,967.23	-7,816.97	2,957.61	2,754.34	203.27	14.550		
17,600.00	7,001.00	6,973.00	6,973.00	273.75	24.80	-90.00	-6,967.23	-7,816.97	3,053.35	2,851.22	202.13	15.106		
17,700.00	7,001.00	6,973.00	6,973.00	276.20	24.80	-90.00	-6,967.23	-7,816.97	3,149.36	2,948.31	201.05	15.665		
17,800.00	7,001.00	6,973.00	6,973.00	278.66	24.80	-90.00	-6,967.23	-7,816.97	3,245.60	3,045.58	200.02	16.226		
17,900.00	7,001.00	6,973.00	6,973.00	281.12	24.80	-90.00	-6,967.23	-7,816.97	3,342.07	3,143.03	199.04	16.791		
18,000.00	7,001.00	6,973.00	6,973.00	283.59	24.80	-90.00	-6,967.23	-7,816.97	3,438.63	3,240.53	198.10	17.358		
18,100.00	7,001.00	6,973.00	6,973.00	286.09	24.80	-90.00	-6,967.23	-7,816.97	3,534.56	3,337.47	197.09	17.933		
18,200.00	7,001.00	6,973.00	6,973.00	288.62	24.80	-90.00	-6,967.23	-7,816.97	3,629.72	3,433.70	196.02	18.517		
18,300.00	7,001.00	6,973.00	6,973.00	291.16	24.80	-90.00	-6,967.23	-7,816.97	3,724.61	3,529.68	194.93	19.107		
18,400.00	7,001.00	6,973.00	6,973.00	293.71	24.80	-90.00	-6,967.23	-7,816.97	3,819.77	3,625.88	193.89	19.700		
18,500.00	7,001.00	6,973.00	6,973.00	296.26	24.80	-90.00	-6,967.23	-7,816.97	3,915.17	3,722.27	192.90	20.297		
18,600.00	7,001.00	6,973.00	6,973.00	298.81	24.80	-90.00	-6,967.23	-7,816.97	4,010.79	3,818.85	191.94	20.896		
18,700.00	7,001.00	6,973.00	6,973.00	301.36	24.80	-90.00	-6,967.23	-7,816.97	4,106.63	3,915.60	191.03	21.497		
18,800.00	7,001.00	6,973.00	6,973.00	303.92	24.80	-90.00	-6,967.23	-7,816.97	4,202.65	4,012.50	190.15	22.102		
18,900.00	7,001.00	6,973.00	6,973.00	306.48	24.80	-90.00	-6,967.23	-7,816.97	4,298.86	4,109.55	189.31	22.709		
19,000.00	7,001.00	6,973.00	6,973.00	309.04	24.80	-90.00	-6,967.23	-7,816.97	4,395.24	4,206.74	188.49	23.318		
19,100.00	7,001.00	6,973.00	6,973.00	311.61	24.80	-90.00	-6,967.23	-7,816.97	4,491.77	4,304.06	187.71	23.929		
19,200.00	7,001.00	6,973.00	6,973.00	314.18	24.80	-90.00	-6,967.23	-7,816.97	4,588.45	4,401.49	186.96	24.542		
19,300.00	7,001.00	6,973.00	6,973.00	316.75	24.80	-90.00	-6,967.23	-7,816.97	4,685.28	4,499.03	186.24	25.157		
19,400.00	7,001.00	6,973.00	6,973.00	319.32	24.80	-90.00	-6,967.23	-7,816.97	4,782.23	4,596.68	185.55	25.773		
19,500.00	7,001.00	6,973.00	6,973.00	321.90	24.80	-90.00	-6,967.23	-7,816.97	4,879.31	4,694.43	184.88	26.392		
19,600.00	7,001.00	6,973.00	6,973.00	324.48	24.80	-90.00	-6,967.23	-7,816.97	4,976.50	4,792.26	184.24	27.011		
19,700.00	7,001.00	6,973.00	6,973.00	327.05	24.80	-90.00	-6,967.23	-7,816.97	5,073.97	4,890.34	183.64	27.631		
19,800.00	7,001.00	6,973.00	6,973.00	329.62	24.80	-90.00	-6,967.23	-7,816.97	5,172.20	4,989.06	183.14	28.241		
19,900.00	7,001.00	6,973.00	6,973.00	332.16	24.80	-90.00	-6,967.23	-7,816.97	5,271.07	5,088.31	182.76	28.841		
20,000.00	7,001.00	6,973.00	6,973.00	334.70	24.80	-90.00	-6,967.23	-7,816.97	5,370.18	5,187.75	182.43	29.437		
20,100.00	7,001.00	6,973.00	6,973.00	337.24	24.80	-90.00	-6,967.23	-7,816.97	5,469.33	5,287.22	182.11	30.033		
20,200.00	7,001.00	6,973.00	6,973.00	339.79	24.80	-90.00	-6,967.23	-7,816.97	5,568.50	5,386.70	181.80	30.630		
20,300.00	7,001.00	6,973.00	6,973.00	342.34	24.80	-90.00	-6,967.23	-7,816.97	5,667.71	5,486.20	181.50	31.227		
20,400.00	7,001.00	6,973.00	6,973.00	344.89	24.80	-90.00	-6,967.23	-7,816.97	5,766.94	5,585.72	181.22	31.824		
20,500.00	7,001.00	6,973.00	6,973.00	347.44	24.80	-90.00	-6,967.23	-7,816.97	5,866.20	5,685.26	180.94	32.421		
20,600.00	7,001.00	6,973.00	6,973.00	350.00	24.80	-90.00	-6,967.23	-7,816.97	5,965.48	5,784.81	180.67	33.018		
20,683.43	7,001.00	6,973.00	6,973.00	351.63	24.80	-90.00	-6,967.23	-7,816.97	6,048.33	5,866.68	181.65	33.297		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,500.00	4,739.70	4,748.70	4,748.70	75.13	16.82	62.57	-5,635.97	-11,692.43	10,047.19	9,970.92	76.27	131.733		
6,600.00	4,800.31	4,809.31	4,809.31	76.62	17.04	62.85	-5,635.97	-11,692.43	9,995.64	9,917.73	77.91	128.300		
6,700.00	4,860.93	4,869.93	4,869.93	78.12	17.26	63.14	-5,635.97	-11,692.43	9,944.45	9,864.89	79.56	124.995		
6,800.00	4,921.54	4,930.54	4,930.54	79.61	17.47	63.43	-5,635.97	-11,692.43	9,893.64	9,812.42	81.22	121.811		
6,900.00	4,982.15	4,991.15	4,991.15	81.10	17.69	63.72	-5,635.97	-11,692.43	9,843.21	9,760.32	82.90	118.742		
7,000.00	5,042.76	5,051.76	5,051.76	82.60	17.91	64.01	-5,635.97	-11,692.43	9,793.17	9,708.59	84.58	115.783		
7,100.00	5,103.38	5,112.38	5,112.38	84.09	18.13	64.30	-5,635.97	-11,692.43	9,743.52	9,657.24	86.28	112.929		
7,200.00	5,163.99	5,172.99	5,172.99	85.58	18.34	64.60	-5,635.97	-11,692.43	9,694.26	9,606.27	87.99	110.175		
7,300.00	5,224.60	5,233.60	5,233.60	87.07	18.56	64.89	-5,635.97	-11,692.43	9,645.42	9,555.70	89.71	107.516		
7,400.00	5,285.21	5,294.21	5,294.21	88.57	18.78	65.19	-5,635.97	-11,692.43	9,596.98	9,505.53	91.44	104.949		
7,500.00	5,345.83	5,354.83	5,354.83	90.06	18.99	65.49	-5,635.97	-11,692.43	9,548.96	9,455.77	93.19	102.468		
7,600.00	5,406.44	5,415.44	5,415.44	91.56	19.21	65.79	-5,635.97	-11,692.43	9,501.36	9,406.41	94.95	100.071		
7,700.00	5,467.05	5,476.05	5,476.05	93.05	19.43	66.09	-5,635.97	-11,692.43	9,454.19	9,357.48	96.71	97.754		
7,800.00	5,527.66	5,536.66	5,536.66	94.54	19.65	66.40	-5,635.97	-11,692.43	9,407.46	9,308.96	98.49	95.514		
7,900.00	5,588.28	5,597.28	5,597.28	96.04	19.86	66.70	-5,635.97	-11,692.43	9,361.17	9,260.88	100.28	93.347		
8,000.00	5,648.89	5,657.89	5,657.89	97.53	20.08	67.01	-5,635.97	-11,692.43	9,315.33	9,213.24	102.09	91.250		
8,100.00	5,709.50	5,718.50	5,718.50	99.03	20.30	67.31	-5,635.97	-11,692.43	9,269.94	9,166.04	103.90	89.221		
8,200.00	5,770.11	5,779.11	5,779.11	100.52	20.52	67.62	-5,635.97	-11,692.43	9,225.02	9,119.30	105.72	87.257		
8,300.00	5,830.73	5,839.73	5,839.73	102.02	20.73	67.93	-5,635.97	-11,692.43	9,180.56	9,073.01	107.56	85.355		
8,400.00	5,891.34	5,900.34	5,900.34	103.51	20.95	68.25	-5,635.97	-11,692.43	9,136.59	9,027.18	109.40	83.513		
8,500.00	5,951.95	5,960.95	5,960.95	105.01	21.17	68.56	-5,635.97	-11,692.43	9,093.09	8,981.83	111.26	81.729		
8,600.00	6,012.57	6,021.57	6,021.57	106.50	21.38	68.87	-5,635.97	-11,692.43	9,050.09	8,936.96	113.13	80.000		
8,700.00	6,073.18	6,082.18	6,082.18	108.00	21.60	69.19	-5,635.97	-11,692.43	9,007.58	8,892.58	115.00	78.324		
8,800.00	6,133.79	6,142.79	6,142.79	109.49	21.82	69.50	-5,635.97	-11,692.43	8,965.58	8,848.69	116.89	76.701		
8,900.00	6,194.40	6,203.40	6,203.40	110.98	22.04	69.82	-5,635.97	-11,692.43	8,924.09	8,805.30	118.79	75.126		
9,000.00	6,255.02	6,264.02	6,264.02	112.48	22.25	70.14	-5,635.97	-11,692.43	8,883.11	8,762.42	120.69	73.600		
9,100.00	6,315.63	6,324.63	6,324.63	113.98	22.47	70.46	-5,635.97	-11,692.43	8,842.66	8,720.05	122.61	72.120		
9,200.00	6,376.24	6,385.24	6,385.24	115.47	22.69	70.79	-5,635.97	-11,692.43	8,802.75	8,678.21	124.54	70.684		
9,300.00	6,436.85	6,445.85	6,445.85	116.97	22.91	71.11	-5,635.97	-11,692.43	8,763.37	8,636.90	126.47	69.292		
9,400.00	6,497.47	6,506.47	6,506.47	118.46	23.12	71.43	-5,635.97	-11,692.43	8,724.55	8,596.13	128.41	67.941		
9,500.00	6,558.08	6,567.08	6,567.08	119.96	23.34	71.76	-5,635.97	-11,692.43	8,686.27	8,555.91	130.37	66.630		
9,600.00	6,618.69	6,627.69	6,627.69	121.45	23.56	72.09	-5,635.97	-11,692.43	8,648.56	8,516.24	132.33	65.358		
9,700.00	6,679.30	6,688.30	6,688.30	122.95	23.77	72.41	-5,635.97	-11,692.43	8,611.42	8,477.13	134.29	64.124		
9,800.00	6,739.92	6,748.92	6,748.92	124.44	23.99	72.74	-5,635.97	-11,692.43	8,574.86	8,438.59	136.27	62.926		
9,900.00	6,799.82	6,808.82	6,808.82	125.96	24.21	69.29	-5,635.97	-11,692.43	8,536.42	8,398.17	138.24	61.749		
10,000.00	6,854.86	6,863.86	6,863.86	127.56	24.40	63.78	-5,635.97	-11,692.43	8,484.58	8,344.44	140.14	60.544		
10,100.00	6,902.95	6,911.95	6,911.95	129.22	24.58	59.65	-5,635.97	-11,692.43	8,419.13	8,277.25	141.88	59.342		
10,200.00	6,942.63	6,951.63	6,951.63	130.85	24.72	56.98	-5,635.97	-11,692.43	8,341.89	8,198.51	143.38	58.180		
10,300.00	6,972.70	6,981.70	6,981.70	132.42	24.83	55.99	-5,635.97	-11,692.43	8,255.05	8,110.46	144.59	57.092		
10,400.00	6,992.24	7,001.24	7,001.24	133.85	24.90	57.84	-5,635.97	-11,692.43	8,161.09	8,015.64	145.45	56.109		
10,500.00	7,000.67	7,009.67	7,009.67	135.10	24.93	72.81	-5,635.97	-11,692.43	8,062.75	7,916.83	145.92	55.254		
10,600.00	7,001.00	7,010.00	7,010.00	136.21	24.93	90.00	-5,635.97	-11,692.43	7,962.94	7,816.84	146.10	54.504		
10,700.00	7,001.00	7,010.00	7,010.00	137.35	24.93	90.00	-5,635.97	-11,692.43	7,863.11	7,716.84	146.27	53.758		
10,800.00	7,001.00	7,010.00	7,010.00	138.52	24.93	90.00	-5,635.97	-11,692.43	7,763.28	7,616.84	146.44	53.012		
10,900.00	7,001.00	7,010.00	7,010.00	139.72	24.93	90.00	-5,635.97	-11,692.43	7,663.46	7,516.84	146.62	52.267		
11,000.00	7,001.00	7,010.00	7,010.00	140.95	24.93	90.00	-5,635.97	-11,692.43	7,563.64	7,416.84	146.81	51.521		
11,100.00	7,001.00	7,010.00	7,010.00	142.22	24.93	90.00	-5,635.97	-11,692.43	7,463.83	7,316.83	146.99	50.776		
11,200.00	7,001.00	7,010.00	7,010.00	143.52	24.93	90.00	-5,635.97	-11,692.43	7,364.02	7,216.83	147.19	50.031		
11,300.00	7,001.00	7,010.00	7,010.00	144.85	24.93	90.00	-5,635.97	-11,692.43	7,264.22	7,116.83	147.39	49.287		
11,400.00	7,001.00	7,010.00	7,010.00	146.21	24.93	90.00	-5,635.97	-11,692.43	7,164.42	7,016.83	147.59	48.542		
11,500.00	7,001.00	7,010.00	7,010.00	147.61	24.93	90.00	-5,635.97	-11,692.43	7,064.63	6,916.82	147.80	47.798		
11,600.00	7,001.00	7,010.00	7,010.00	149.03	24.93	90.00	-5,635.97	-11,692.43	6,964.84	6,816.82	148.02	47.054		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 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	7,001.00	7,010.00	7,010.00	150.49	24.93	90.00	-5,635.97	-11,692.43	6,865.06	6,716.82	148.24	46.310		
11,800.00	7,001.00	7,010.00	7,010.00	151.98	24.93	90.00	-5,635.97	-11,692.43	6,765.29	6,616.82	148.47	45.567		
11,900.00	7,001.00	7,010.00	7,010.00	153.50	24.93	90.00	-5,635.97	-11,692.43	6,665.52	6,516.82	148.71	44.824		
12,000.00	7,001.00	7,010.00	7,010.00	155.05	24.93	90.00	-5,635.97	-11,692.43	6,565.76	6,416.81	148.95	44.081		
12,100.00	7,001.00	7,010.00	7,010.00	156.62	24.93	90.00	-5,635.97	-11,692.43	6,466.01	6,316.81	149.20	43.338		
12,200.00	7,001.00	7,010.00	7,010.00	158.23	24.93	90.00	-5,635.97	-11,692.43	6,366.26	6,216.81	149.46	42.596		
12,300.00	7,001.00	7,010.00	7,010.00	159.87	24.93	90.00	-5,635.97	-11,692.43	6,266.53	6,116.81	149.72	41.854		
12,400.00	7,001.00	7,010.00	7,010.00	161.53	24.93	90.00	-5,635.97	-11,692.43	6,166.80	6,016.80	150.00	41.113		
12,500.00	7,001.00	7,010.00	7,010.00	163.22	24.93	90.00	-5,635.97	-11,692.43	6,067.08	5,916.80	150.28	40.372		
12,600.00	7,001.00	7,010.00	7,010.00	164.94	24.93	90.00	-5,635.97	-11,692.43	5,967.37	5,816.80	150.57	39.631		
12,700.00	7,001.00	7,010.00	7,010.00	166.69	24.93	90.00	-5,635.97	-11,692.43	5,867.67	5,716.80	150.88	38.891		
12,800.00	7,001.00	7,010.00	7,010.00	168.46	24.93	90.00	-5,635.97	-11,692.43	5,767.98	5,616.79	151.19	38.151		
12,900.00	7,001.00	7,010.00	7,010.00	170.26	24.93	90.00	-5,635.97	-11,692.43	5,668.31	5,516.79	151.51	37.411		
13,000.00	7,001.00	7,010.00	7,010.00	172.08	24.93	90.00	-5,635.97	-11,692.43	5,568.64	5,416.79	151.85	36.672		
13,100.00	7,001.00	7,010.00	7,010.00	173.92	24.93	90.00	-5,635.97	-11,692.43	5,468.99	5,316.79	152.20	35.934		
13,200.00	7,001.00	7,010.00	7,010.00	175.79	24.93	90.00	-5,635.97	-11,692.43	5,369.34	5,216.79	152.56	35.196		
13,300.00	7,001.00	7,010.00	7,010.00	177.68	24.93	90.00	-5,635.97	-11,692.43	5,269.72	5,116.79	152.93	34.458		
13,400.00	7,001.00	7,010.00	7,010.00	179.60	24.93	90.00	-5,635.97	-11,692.43	5,170.10	5,016.78	153.32	33.721		
13,500.00	7,001.00	7,010.00	7,010.00	181.53	24.93	90.00	-5,635.97	-11,692.43	5,070.50	4,916.78	153.72	32.985		
13,600.00	7,001.00	7,010.00	7,010.00	183.49	24.93	90.00	-5,635.97	-11,692.43	4,970.92	4,816.78	154.14	32.249		
13,700.00	7,001.00	7,010.00	7,010.00	185.47	24.93	90.00	-5,635.97	-11,692.43	4,871.36	4,716.78	154.58	31.514		
13,800.00	7,001.00	7,010.00	7,010.00	187.47	24.93	90.00	-5,635.97	-11,692.43	4,771.81	4,616.78	155.03	30.780		
13,900.00	7,001.00	7,010.00	7,010.00	189.49	24.93	90.00	-5,635.97	-11,692.43	4,672.28	4,516.78	155.50	30.046		
14,000.00	7,001.00	7,010.00	7,010.00	191.53	24.93	90.00	-5,635.97	-11,692.43	4,572.78	4,416.78	156.00	29.313		
14,100.00	7,001.00	7,010.00	7,010.00	193.58	24.93	90.00	-5,635.97	-11,692.43	4,473.29	4,316.78	156.51	28.581		
14,200.00	7,001.00	7,010.00	7,010.00	195.66	24.93	90.00	-5,635.97	-11,692.43	4,373.83	4,216.78	157.05	27.850		
14,300.00	7,001.00	7,010.00	7,010.00	197.75	24.93	90.00	-5,635.97	-11,692.43	4,274.39	4,116.78	157.61	27.120		
14,400.00	7,001.00	7,010.00	7,010.00	199.85	24.93	90.00	-5,635.97	-11,692.43	4,174.98	4,016.78	158.20	26.391		
14,500.00	7,001.00	7,010.00	7,010.00	201.98	24.93	90.00	-5,635.97	-11,692.43	4,075.60	3,916.79	158.82	25.662		
14,600.00	7,001.00	7,010.00	7,010.00	204.12	24.93	90.00	-5,635.97	-11,692.43	3,976.26	3,816.79	159.47	24.935		
14,700.00	7,001.00	7,010.00	7,010.00	206.27	24.93	90.00	-5,635.97	-11,692.43	3,876.96	3,716.79	160.15	24.209		
14,800.00	7,001.00	7,010.00	7,010.00	208.45	24.93	90.00	-5,635.97	-11,692.43	3,777.66	3,616.80	160.86	23.484		
14,900.00	7,001.00	7,010.00	7,010.00	210.63	24.93	90.00	-5,635.97	-11,692.43	3,678.42	3,516.80	161.62	22.760		
15,000.00	7,001.00	7,010.00	7,010.00	212.83	24.93	90.00	-5,635.97	-11,692.43	3,579.22	3,416.81	162.41	22.038		
15,100.00	7,001.00	7,010.00	7,010.00	215.04	24.93	90.00	-5,635.97	-11,692.43	3,480.07	3,316.82	163.25	21.317		
15,200.00	7,001.00	7,010.00	7,010.00	217.27	24.93	90.00	-5,635.97	-11,692.43	3,380.97	3,216.83	164.14	20.598		
15,300.00	7,001.00	7,010.00	7,010.00	219.51	24.93	90.00	-5,635.97	-11,692.43	3,281.92	3,116.84	165.08	19.881		
15,400.00	7,001.00	7,010.00	7,010.00	221.76	24.93	90.00	-5,635.97	-11,692.43	3,182.93	3,016.85	166.08	19.165		
15,500.00	7,001.00	7,010.00	7,010.00	224.02	24.93	90.00	-5,635.97	-11,692.43	3,084.00	2,916.86	167.14	18.451		
15,600.00	7,001.00	7,010.00	7,010.00	226.30	24.93	90.00	-5,635.97	-11,692.43	2,985.15	2,816.88	168.28	17.740		
15,700.00	7,001.00	7,010.00	7,010.00	228.58	24.93	90.00	-5,635.97	-11,692.43	2,886.38	2,716.90	169.48	17.030		
15,800.00	7,001.00	7,010.00	7,010.00	230.88	24.93	90.00	-5,635.97	-11,692.43	2,787.70	2,616.92	170.78	16.324		
15,900.00	7,001.00	7,010.00	7,010.00	233.19	24.93	90.00	-5,635.97	-11,692.43	2,689.11	2,516.95	172.16	15.620		
16,000.00	7,001.00	7,010.00	7,010.00	235.50	24.93	90.00	-5,635.97	-11,692.43	2,590.63	2,416.98	173.65	14.919		
16,100.00	7,001.00	7,010.00	7,010.00	237.83	24.93	90.00	-5,635.97	-11,692.43	2,492.27	2,317.01	175.25	14.221		
16,200.00	7,001.00	7,010.00	7,010.00	240.17	24.93	90.00	-5,635.97	-11,692.43	2,394.05	2,217.06	176.99	13.527		
16,300.00	7,001.00	7,010.00	7,010.00	242.52	24.93	90.00	-5,635.97	-11,692.43	2,295.98	2,117.11	178.86	12.836		
16,400.00	7,001.00	7,010.00	7,010.00	244.87	24.93	90.00	-5,635.97	-11,692.43	2,198.08	2,017.18	180.90	12.151		
16,500.00	7,001.00	7,010.00	7,010.00	247.24	24.93	90.00	-5,635.97	-11,692.43	2,100.39	1,917.26	183.13	11.470		
16,600.00	7,001.00	7,010.00	7,010.00	249.61	24.93	90.00	-5,635.97	-11,692.43	2,002.92	1,817.36	185.56	10.794		
16,700.00	7,001.00	7,010.00	7,010.00	251.99	24.93	90.00	-5,635.97	-11,692.43	1,905.71	1,717.48	188.23	10.125		
16,800.00	7,001.00	7,010.00	7,010.00	254.38	24.93	90.00	-5,635.97	-11,692.43	1,808.81	1,617.64	191.17	9.462		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,900.00	7,001.00	7,010.00	7,010.00	256.78	24.93	90.00	-5,635.97	-11,692.43	1,712.26	1,517.83	194.43	8.807		
17,000.00	7,001.00	7,010.00	7,010.00	259.18	24.93	90.00	-5,635.97	-11,692.43	1,616.13	1,418.09	198.05	8.160		
17,100.00	7,001.00	7,010.00	7,010.00	261.59	24.93	90.00	-5,635.97	-11,692.43	1,520.51	1,318.42	202.09	7.524		
17,200.00	7,001.00	7,010.00	7,010.00	264.01	24.93	90.00	-5,635.97	-11,692.43	1,425.48	1,218.85	206.63	6.899		
17,300.00	7,001.00	7,010.00	7,010.00	266.44	24.93	90.00	-5,635.97	-11,692.43	1,331.18	1,119.43	211.75	6.287		
17,400.00	7,001.00	7,010.00	7,010.00	268.87	24.93	90.00	-5,635.97	-11,692.43	1,237.78	1,020.23	217.56	5.689		
17,500.00	7,001.00	7,010.00	7,010.00	271.31	24.93	90.00	-5,635.97	-11,692.43	1,145.49	921.33	224.17	5.110		
17,600.00	7,001.00	7,010.00	7,010.00	273.75	24.93	90.00	-5,635.97	-11,692.43	1,054.61	822.88	231.73	4.551		
17,700.00	7,001.00	7,010.00	7,010.00	276.20	24.93	90.00	-5,635.97	-11,692.43	965.54	725.14	240.40	4.016		
17,800.00	7,001.00	7,010.00	7,010.00	278.66	24.93	90.00	-5,635.97	-11,692.43	878.82	628.49	250.33	3.511		
17,900.00	7,001.00	7,010.00	7,010.00	281.12	24.93	90.00	-5,635.97	-11,692.43	795.22	533.57	261.64	3.039		
18,000.00	7,001.00	7,010.00	7,010.00	283.59	24.93	90.00	-5,635.97	-11,692.43	716.13	441.74	274.39	2.610		
18,100.00	7,001.00	7,010.00	7,010.00	286.09	24.93	90.00	-5,635.97	-11,692.43	645.12	356.59	288.53	2.236		
18,200.00	7,001.00	7,010.00	7,010.00	288.62	24.93	90.00	-5,635.97	-11,692.43	585.58	282.93	302.65	1.935		
18,300.00	7,001.00	7,010.00	7,010.00	291.16	24.93	90.00	-5,635.97	-11,692.43	539.73	225.90	313.83	1.720		
18,400.00	7,001.00	7,010.00	7,010.00	293.71	24.93	90.00	-5,635.97	-11,692.43	509.61	191.34	318.27	1.601		
18,500.00	7,001.00	7,010.00	7,010.00	296.26	24.93	90.00	-5,635.97	-11,692.43	498.10	185.34	312.76	1.593 ES, SF		
18,508.00	7,001.00	7,010.00	7,010.00	296.46	24.93	90.00	-5,635.97	-11,692.43	498.04	186.20	311.84	1.597 CC		
18,600.00	7,001.00	7,010.00	7,010.00	298.81	24.93	90.00	-5,635.97	-11,692.43	506.46	209.85	296.61	1.708		
18,700.00	7,001.00	7,010.00	7,010.00	301.36	24.93	90.00	-5,635.97	-11,692.43	533.77	261.12	272.65	1.958		
18,800.00	7,001.00	7,010.00	7,010.00	303.92	24.93	90.00	-5,635.97	-11,692.43	577.33	331.89	245.43	2.352		
18,900.00	7,001.00	7,010.00	7,010.00	306.48	24.93	90.00	-5,635.97	-11,692.43	633.80	414.98	218.82	2.896		
19,000.00	7,001.00	7,010.00	7,010.00	309.04	24.93	90.00	-5,635.97	-11,692.43	700.08	505.11	194.97	3.591		
19,100.00	7,001.00	7,010.00	7,010.00	311.61	24.93	90.00	-5,635.97	-11,692.43	773.63	599.00	174.63	4.430		
19,200.00	7,001.00	7,010.00	7,010.00	314.18	24.93	90.00	-5,635.97	-11,692.43	852.59	694.81	157.78	5.404		
19,300.00	7,001.00	7,010.00	7,010.00	316.75	24.93	90.00	-5,635.97	-11,692.43	935.58	791.53	144.05	6.495		
19,400.00	7,001.00	7,010.00	7,010.00	319.32	24.93	90.00	-5,635.97	-11,692.43	1,021.62	888.63	132.99	7.682		
19,500.00	7,001.00	7,010.00	7,010.00	321.90	24.93	90.00	-5,635.97	-11,692.43	1,110.00	985.86	124.14	8.941		
19,600.00	7,001.00	7,010.00	7,010.00	324.48	24.93	90.00	-5,635.97	-11,692.43	1,200.21	1,083.09	117.12	10.247		
19,700.00	7,001.00	7,010.00	7,010.00	327.05	24.93	90.00	-5,635.97	-11,692.43	1,291.56	1,180.05	111.51	11.582		
19,800.00	7,001.00	7,010.00	7,010.00	329.62	24.93	90.00	-5,635.97	-11,692.43	1,382.85	1,276.02	106.83	12.945		
19,900.00	7,001.00	7,010.00	7,010.00	332.16	24.93	90.00	-5,635.97	-11,692.43	1,473.93	1,370.94	103.00	14.311		
20,000.00	7,001.00	7,010.00	7,010.00	334.70	24.93	90.00	-5,635.97	-11,692.43	1,565.57	1,465.46	100.11	15.639		
20,100.00	7,001.00	7,010.00	7,010.00	337.24	24.93	90.00	-5,635.97	-11,692.43	1,658.17	1,560.08	98.09	16.905		
20,200.00	7,001.00	7,010.00	7,010.00	339.79	24.93	90.00	-5,635.97	-11,692.43	1,751.58	1,654.82	96.76	18.103		
20,300.00	7,001.00	7,010.00	7,010.00	342.34	24.93	90.00	-5,635.97	-11,692.43	1,845.68	1,749.71	95.97	19.231		
20,400.00	7,001.00	7,010.00	7,010.00	344.89	24.93	90.00	-5,635.97	-11,692.43	1,940.38	1,844.77	95.61	20.295		
20,500.00	7,001.00	7,010.00	7,010.00	347.44	24.93	90.00	-5,635.97	-11,692.43	2,035.58	1,940.01	95.57	21.299		
20,600.00	7,001.00	7,010.00	7,010.00	350.00	24.93	90.00	-5,635.97	-11,692.43	2,131.22	2,035.44	95.78	22.251		
20,683.43	7,001.00	7,010.00	7,010.00	351.63	24.93	90.00	-5,635.97	-11,692.43	2,211.31	2,113.61	97.70	22.635		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 99-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,800.00	2,494.55	733.00	729.02	20.50	2.54	38.53	-5,644.35	-9,069.90	9,972.51	9,955.55	16.96	587.867		
2,900.00	2,557.48	733.00	729.02	21.89	2.54	39.30	-5,644.35	-9,069.90	9,920.02	9,902.18	17.83	556.324		
3,000.00	2,618.26	733.00	729.02	23.33	2.54	39.58	-5,644.35	-9,069.90	9,866.44	9,847.72	18.72	526.962		
3,100.00	2,678.87	733.00	729.02	24.77	2.54	39.58	-5,644.35	-9,069.90	9,813.46	9,793.83	19.63	499.897		
3,200.00	2,739.49	775.24	770.16	26.22	2.75	39.76	-5,644.02	-9,079.45	9,760.78	9,740.05	20.73	470.866		
3,300.00	2,800.10	789.52	784.03	27.68	2.82	39.82	-5,643.94	-9,082.83	9,708.94	9,687.21	21.73	446.829		
3,400.00	2,860.71	827.00	820.36	29.14	3.01	39.98	-5,643.81	-9,092.07	9,657.88	9,635.04	22.84	422.871		
3,500.00	2,921.32	827.00	820.36	30.60	3.01	39.98	-5,643.81	-9,092.07	9,607.25	9,583.44	23.81	403.528		
3,600.00	2,981.94	827.00	820.36	32.07	3.01	39.98	-5,643.81	-9,092.07	9,557.40	9,532.61	24.79	385.523		
3,700.00	3,042.55	827.00	820.36	33.54	3.01	39.98	-5,643.81	-9,092.07	9,508.34	9,482.55	25.79	368.740		
3,800.00	3,103.16	864.26	856.33	35.01	3.21	40.14	-5,643.78	-9,101.76	9,459.76	9,432.80	26.96	350.913		
3,900.00	3,163.77	879.93	871.43	36.48	3.29	40.21	-5,643.81	-9,105.98	9,411.98	9,383.94	28.05	335.585		
4,000.00	3,224.39	921.00	910.87	37.96	3.51	40.38	-5,644.00	-9,117.42	9,365.07	9,335.81	29.26	320.079		
4,100.00	3,285.00	921.00	910.87	39.44	3.51	40.38	-5,644.00	-9,117.42	9,318.59	9,288.29	30.30	307.531		
4,200.00	3,345.61	921.00	910.87	40.92	3.51	40.38	-5,644.00	-9,117.42	9,272.97	9,241.61	31.35	295.747		
4,300.00	3,406.22	965.34	953.32	42.40	3.77	40.58	-5,644.26	-9,130.23	9,227.96	9,195.33	32.63	282.786		
4,400.00	3,466.84	1,014.00	999.80	43.88	4.05	40.79	-5,644.51	-9,144.61	9,183.64	9,149.71	33.93	270.695		
4,500.00	3,527.45	1,060.32	1,044.02	45.36	4.33	41.00	-5,644.71	-9,158.43	9,139.84	9,104.61	35.23	259.443		
4,600.00	3,588.06	1,144.72	1,124.62	46.84	4.84	41.37	-5,645.04	-9,183.44	9,096.29	9,059.55	36.74	247.604		
4,700.00	3,648.67	1,206.13	1,183.29	48.33	5.22	41.65	-5,645.39	-9,201.59	9,053.11	9,014.97	38.14	237.336		
4,800.00	3,709.29	1,275.30	1,249.37	49.81	5.65	41.96	-5,645.97	-9,222.02	9,010.35	8,970.75	39.60	227.516		
4,900.00	3,769.90	1,351.90	1,322.60	51.30	6.12	42.30	-5,646.88	-9,244.49	8,967.92	8,926.81	41.11	218.144		
5,000.00	3,830.51	1,755.14	1,710.36	52.78	8.54	44.14	-5,649.76	-9,354.98	8,923.93	8,879.73	44.20	201.882		
5,100.00	3,891.12	1,803.48	1,757.06	54.27	8.82	44.36	-5,650.14	-9,367.46	8,879.76	8,834.16	45.60	194.733		
5,200.00	3,951.74	1,863.42	1,814.97	55.76	9.17	44.64	-5,650.91	-9,382.88	8,836.03	8,788.97	47.06	187.753		
5,300.00	4,012.35	1,944.59	1,893.43	57.25	9.64	45.01	-5,652.13	-9,403.66	8,792.67	8,744.03	48.63	180.789		
5,400.00	4,072.96	1,985.00	1,932.50	58.73	9.87	45.20	-5,652.72	-9,413.98	8,749.67	8,699.64	50.03	174.891		
5,500.00	4,133.58	2,049.20	1,994.54	60.22	10.25	45.50	-5,653.77	-9,430.46	8,707.14	8,655.59	51.55	168.914		
5,600.00	4,194.19	2,110.00	2,053.24	61.71	10.60	45.78	-5,655.02	-9,446.25	8,665.29	8,612.22	53.06	163.305		
5,700.00	4,254.80	2,138.48	2,080.71	63.20	10.77	45.91	-5,655.63	-9,453.72	8,623.97	8,569.54	54.44	158.425		
5,800.00	4,315.41	2,186.23	2,126.73	64.69	11.06	46.14	-5,656.46	-9,466.41	8,583.27	8,527.35	55.91	153.507		
5,900.00	4,376.03	2,235.00	2,173.69	66.18	11.35	46.37	-5,657.06	-9,479.58	8,543.15	8,485.74	57.41	148.806		
6,000.00	4,436.64	2,280.59	2,217.55	67.67	11.62	46.59	-5,657.58	-9,492.02	8,503.64	8,444.74	58.91	144.359		
6,100.00	4,497.25	2,327.87	2,263.00	69.17	11.91	46.82	-5,658.25	-9,505.01	8,464.74	8,404.32	60.42	140.097		
6,200.00	4,557.86	2,378.44	2,311.60	70.66	12.22	47.06	-5,659.10	-9,519.00	8,426.45	8,364.49	61.96	135.991		
6,300.00	4,618.48	2,434.92	2,365.82	72.15	12.57	47.33	-5,659.82	-9,534.78	8,388.72	8,325.17	63.55	132.001		
6,400.00	4,679.09	2,485.00	2,413.86	73.64	12.87	47.58	-5,660.18	-9,548.93	8,351.55	8,286.44	65.12	128.254		
6,500.00	4,739.70	2,531.78	2,458.68	75.13	13.17	47.81	-5,660.36	-9,562.30	8,315.02	8,248.34	66.68	124.697		
6,600.00	4,800.31	2,574.13	2,499.22	76.62	13.44	48.02	-5,660.49	-9,574.56	8,279.19	8,210.96	68.23	121.336		
6,700.00	4,860.93	2,610.00	2,533.52	78.12	13.66	48.20	-5,660.57	-9,585.06	8,244.06	8,174.30	69.76	118.178		
6,800.00	4,921.54	2,664.54	2,585.64	79.61	14.01	48.47	-5,660.78	-9,601.15	8,209.61	8,138.20	71.40	114.980		
6,900.00	4,982.15	2,712.24	2,631.18	81.10	14.32	48.71	-5,661.14	-9,615.32	8,175.83	8,102.82	73.01	111.977		
7,000.00	5,042.76	2,759.78	2,676.55	82.60	14.62	48.95	-5,661.67	-9,629.53	8,142.73	8,068.10	74.63	109.102		
7,100.00	5,103.38	2,807.34	2,721.90	84.09	14.93	49.19	-5,662.44	-9,643.82	8,110.33	8,034.06	76.26	106.344		
7,200.00	5,163.99	3,023.69	2,928.69	85.58	16.31	50.27	-5,666.90	-9,707.22	8,078.11	7,999.25	78.85	102.445		
7,300.00	5,224.60	3,072.95	2,975.89	87.07	16.62	50.52	-5,667.74	-9,721.27	8,045.61	7,965.09	80.52	99.920		
7,400.00	5,285.21	3,396.93	3,287.76	88.57	18.58	52.18	-5,671.69	-9,808.84	8,012.07	7,928.36	83.70	95.718		
7,500.00	5,345.83	3,436.14	3,325.65	90.06	18.81	52.38	-5,672.48	-9,818.91	7,978.60	7,893.25	85.35	93.481		
7,600.00	5,406.44	3,484.00	3,371.84	91.56	19.09	52.62	-5,673.45	-9,831.39	7,945.92	7,858.87	87.05	91.279		
7,700.00	5,467.05	3,551.53	3,436.99	93.05	19.49	52.97	-5,674.61	-9,849.14	7,913.87	7,825.00	88.87	89.048		
7,800.00	5,527.66	3,682.70	3,563.62	94.54	20.26	53.66	-5,675.61	-9,883.34	7,882.17	7,791.11	91.06	86.561		
7,900.00	5,588.28	3,734.00	3,613.21	96.04	20.56	53.94	-5,675.44	-9,896.44	7,850.50	7,757.68	92.82	84.573		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 99-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,000.00	5,648.89	3,788.55	3,665.93	97.53	20.88	54.23	-5,675.25	-9,910.48	7,819.52	7,724.90	94.62	82.641		
8,100.00	5,709.50	3,819.79	3,696.06	99.03	21.06	54.40	-5,675.28	-9,918.70	7,789.50	7,693.21	96.29	80.896		
8,200.00	5,770.11	3,859.00	3,733.84	100.52	21.30	54.61	-5,675.46	-9,929.21	7,760.39	7,662.38	98.01	79.176		
8,300.00	5,830.73	3,859.00	3,733.84	102.02	21.30	54.61	-5,675.46	-9,929.21	7,732.24	7,632.73	99.51	77.701		
8,400.00	5,891.34	3,859.00	3,733.84	103.51	21.30	54.61	-5,675.46	-9,929.21	7,705.29	7,604.28	101.01	76.283		
8,500.00	5,951.95	3,921.27	3,793.64	105.01	21.69	54.94	-5,675.97	-9,946.54	7,678.78	7,575.88	102.89	74.629		
8,600.00	6,012.57	3,984.00	3,853.59	106.50	22.08	55.28	-5,676.68	-9,965.00	7,653.90	7,549.11	104.79	73.041		
8,700.00	6,073.18	3,984.00	3,853.59	108.00	22.08	55.28	-5,676.68	-9,965.00	7,629.47	7,523.17	106.29	71.777		
8,800.00	6,133.79	3,984.00	3,853.59	109.49	22.08	55.28	-5,676.68	-9,965.00	7,606.27	7,498.47	107.79	70.563		
8,900.00	6,194.40	4,037.96	3,904.99	110.98	22.44	55.57	-5,677.50	-9,981.41	7,584.00	7,474.35	109.65	69.163		
9,000.00	6,255.02	4,081.05	3,945.98	112.48	22.72	55.80	-5,678.32	-9,994.67	7,562.61	7,451.16	111.45	67.858		
9,100.00	6,315.63	4,518.77	4,365.34	113.98	25.47	58.18	-5,683.13	-10,119.76	7,539.85	7,424.02	115.84	65.091		
9,200.00	6,376.24	6,429.03	6,247.82	115.47	33.49	69.39	-5,667.33	-10,390.77	7,504.65	7,379.03	125.61	59.743		
9,300.00	6,436.85	6,511.19	6,329.95	116.97	33.70	69.90	-5,666.78	-10,392.46	7,465.92	7,338.28	127.65	58.488		
9,400.00	6,497.47	6,582.17	6,400.92	118.46	33.89	70.34	-5,666.26	-10,393.79	7,427.74	7,298.06	129.67	57.281		
9,500.00	6,558.08	6,659.55	6,478.28	119.96	34.09	70.83	-5,665.65	-10,395.10	7,390.10	7,258.38	131.72	56.105		
9,600.00	6,618.69	6,740.28	6,559.00	121.45	34.30	71.34	-5,664.99	-10,396.26	7,352.98	7,219.19	133.78	54.962		
9,700.00	6,679.30	6,821.70	6,640.42	122.95	34.51	71.86	-5,664.40	-10,397.21	7,316.36	7,180.50	135.86	53.853		
9,800.00	6,739.92	6,906.33	6,725.04	124.44	34.73	72.40	-5,663.94	-10,397.94	7,280.24	7,142.30	137.95	52.776		
9,900.00	6,799.82	6,992.25	6,810.96	125.96	34.95	69.17	-5,663.59	-10,398.38	7,242.15	7,102.11	140.04	51.716		
10,000.00	6,854.86	7,042.61	6,861.32	127.56	35.08	63.67	-5,663.41	-10,398.57	7,190.65	7,048.66	141.99	50.642		
10,100.00	6,902.95	7,089.62	6,908.33	129.22	35.20	59.58	-5,663.26	-10,398.77	7,125.59	6,981.80	143.79	49.555		
10,200.00	6,942.63	7,131.96	6,950.67	130.85	35.31	56.98	-5,663.15	-10,398.94	7,048.74	6,903.38	145.36	48.490		
10,300.00	6,972.70	7,166.35	6,985.06	132.42	35.39	56.10	-5,663.13	-10,399.07	6,962.22	6,815.59	146.64	47.479		
10,400.00	6,992.24	7,188.88	7,007.58	133.85	35.45	58.08	-5,663.16	-10,399.14	6,868.51	6,720.95	147.55	46.549		
10,500.00	7,000.67	7,198.79	7,017.49	135.10	35.47	72.47	-5,663.18	-10,399.17	6,770.30	6,622.23	148.07	45.725		
10,600.00	7,001.00	7,199.50	7,018.21	136.21	35.48	87.51	-5,663.18	-10,399.17	6,670.54	6,522.26	148.28	44.987		
10,700.00	7,001.00	7,199.84	7,018.54	137.35	35.48	87.56	-5,663.18	-10,399.17	6,570.75	6,422.27	148.48	44.254		
10,800.00	7,001.00	7,200.18	7,018.88	138.52	35.48	87.60	-5,663.18	-10,399.17	6,470.97	6,322.29	148.69	43.520		
10,900.00	7,001.00	7,200.51	7,019.22	139.72	35.48	87.65	-5,663.18	-10,399.18	6,371.20	6,222.30	148.90	42.787		
11,000.00	7,001.00	7,200.85	7,019.55	140.95	35.48	87.69	-5,663.19	-10,399.18	6,271.44	6,122.31	149.13	42.054		
11,100.00	7,001.00	7,201.18	7,019.88	142.22	35.48	87.74	-5,663.19	-10,399.18	6,171.68	6,022.32	149.36	41.322		
11,200.00	7,001.00	7,201.51	7,020.22	143.52	35.48	87.78	-5,663.19	-10,399.18	6,071.93	5,922.34	149.59	40.589		
11,300.00	7,001.00	7,201.84	7,020.55	144.85	35.48	87.82	-5,663.19	-10,399.18	5,972.19	5,822.35	149.84	39.857		
11,400.00	7,001.00	7,202.17	7,020.88	146.21	35.48	87.87	-5,663.19	-10,399.18	5,872.46	5,722.37	150.09	39.126		
11,500.00	7,001.00	7,202.50	7,021.21	147.61	35.48	87.91	-5,663.19	-10,399.18	5,772.74	5,622.38	150.35	38.394		
11,600.00	7,001.00	7,202.83	7,021.54	149.03	35.48	87.95	-5,663.19	-10,399.18	5,673.02	5,522.40	150.62	37.663		
11,700.00	7,001.00	7,203.16	7,021.86	150.49	35.48	88.00	-5,663.19	-10,399.18	5,573.32	5,422.42	150.90	36.933		
11,800.00	7,001.00	7,203.49	7,022.19	151.98	35.49	88.04	-5,663.19	-10,399.18	5,473.63	5,322.43	151.20	36.202		
11,900.00	7,001.00	7,203.81	7,022.52	153.50	35.49	88.08	-5,663.19	-10,399.18	5,373.95	5,222.45	151.50	35.472		
12,000.00	7,001.00	7,204.14	7,022.84	155.05	35.49	88.13	-5,663.19	-10,399.19	5,274.28	5,122.47	151.81	34.743		
12,100.00	7,001.00	7,204.46	7,023.17	156.62	35.49	88.17	-5,663.20	-10,399.19	5,174.62	5,022.49	152.13	34.014		
12,200.00	7,001.00	7,204.78	7,023.49	158.23	35.49	88.21	-5,663.20	-10,399.19	5,074.98	4,922.51	152.47	33.285		
12,300.00	7,001.00	7,205.10	7,023.81	159.87	35.49	88.26	-5,663.20	-10,399.19	4,975.35	4,822.54	152.82	32.557		
12,400.00	7,001.00	7,205.43	7,024.13	161.53	35.49	88.30	-5,663.20	-10,399.19	4,875.74	4,722.56	153.18	31.829		
12,500.00	7,001.00	7,205.75	7,024.45	163.22	35.49	88.34	-5,663.20	-10,399.19	4,776.15	4,622.58	153.56	31.102		
12,600.00	7,001.00	7,206.06	7,024.77	164.94	35.49	88.38	-5,663.20	-10,399.19	4,676.57	4,522.61	153.96	30.376		
12,700.00	7,001.00	7,206.38	7,025.09	166.69	35.49	88.42	-5,663.20	-10,399.19	4,577.01	4,422.64	154.37	29.650		
12,800.00	7,001.00	7,206.70	7,025.41	168.46	35.49	88.47	-5,663.20	-10,399.19	4,477.46	4,322.67	154.80	28.925		
12,900.00	7,001.00	7,207.02	7,025.72	170.26	35.49	88.51	-5,663.20	-10,399.19	4,377.94	4,222.70	155.25	28.200		
13,000.00	7,001.00	7,207.33	7,026.04	172.08	35.49	88.55	-5,663.20	-10,399.20	4,278.45	4,122.73	155.72	27.476		
13,100.00	7,001.00	7,207.65	7,026.35	173.92	35.50	88.59	-5,663.20	-10,399.20	4,178.97	4,022.76	156.21	26.753		

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-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 99-MWVD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,200.00	7,001.00	7,207.96	7,026.66	175.79	35.50	88.63	-5,663.21	-10,399.20	4,079.52	3,922.80	156.72	26.030		
13,300.00	7,001.00	7,208.27	7,026.98	177.68	35.50	88.67	-5,663.21	-10,399.20	3,980.10	3,822.84	157.26	25.309		
13,400.00	7,001.00	7,208.58	7,027.29	179.60	35.50	88.72	-5,663.21	-10,399.20	3,880.71	3,722.88	157.83	24.588		
13,500.00	7,001.00	7,208.89	7,027.60	181.53	35.50	88.76	-5,663.21	-10,399.20	3,781.35	3,622.93	158.43	23.868		
13,600.00	7,001.00	7,209.20	7,027.91	183.49	35.50	88.80	-5,663.21	-10,399.20	3,682.03	3,522.97	159.06	23.149		
13,700.00	7,001.00	7,209.51	7,028.22	185.47	35.50	88.84	-5,663.21	-10,399.20	3,582.74	3,423.02	159.72	22.432		
13,800.00	7,001.00	7,209.82	7,028.53	187.47	35.50	88.88	-5,663.21	-10,399.20	3,483.50	3,323.08	160.42	21.715		
13,900.00	7,001.00	7,210.13	7,028.83	189.49	35.50	88.92	-5,663.21	-10,399.20	3,384.30	3,223.14	161.16	21.000		
14,000.00	7,001.00	7,210.43	7,029.14	191.53	35.50	88.96	-5,663.21	-10,399.20	3,285.14	3,123.20	161.94	20.286		
14,100.00	7,001.00	7,210.74	7,029.45	193.58	35.50	89.00	-5,663.21	-10,399.20	3,186.04	3,023.27	162.78	19.573		
14,200.00	7,001.00	7,211.04	7,029.75	195.66	35.50	89.04	-5,663.22	-10,399.21	3,087.00	2,923.34	163.66	18.862		
14,300.00	7,001.00	7,211.35	7,030.05	197.75	35.50	89.08	-5,663.22	-10,399.21	2,988.02	2,823.42	164.61	18.153		
14,400.00	7,001.00	7,211.65	7,030.36	199.85	35.51	89.12	-5,663.22	-10,399.21	2,889.11	2,723.50	165.61	17.445		
14,500.00	7,001.00	7,211.95	7,030.66	201.98	35.51	89.16	-5,663.22	-10,399.21	2,790.28	2,623.60	166.69	16.739		
14,600.00	7,001.00	7,212.25	7,030.96	204.12	35.51	89.20	-5,663.22	-10,399.21	2,691.54	2,523.70	167.84	16.036		
14,700.00	7,001.00	7,212.55	7,031.26	206.27	35.51	89.24	-5,663.22	-10,399.21	2,592.89	2,423.81	169.08	15.335		
14,800.00	7,001.00	7,212.85	7,031.56	208.45	35.51	89.28	-5,663.22	-10,399.21	2,494.35	2,323.93	170.42	14.637		
14,900.00	7,001.00	7,213.15	7,031.86	210.63	35.51	89.32	-5,663.22	-10,399.21	2,395.93	2,224.07	171.86	13.941		
15,000.00	7,001.00	7,213.45	7,032.16	212.83	35.51	89.36	-5,663.22	-10,399.21	2,297.65	2,124.22	173.43	13.248		
15,100.00	7,001.00	7,213.75	7,032.45	215.04	35.51	89.40	-5,663.22	-10,399.21	2,199.52	2,024.40	175.13	12.560		
15,200.00	7,001.00	7,214.04	7,032.75	217.27	35.51	89.44	-5,663.23	-10,399.21	2,101.57	1,924.59	176.98	11.874		
15,300.00	7,001.00	7,214.34	7,033.04	219.51	35.51	89.48	-5,663.23	-10,399.22	2,003.82	1,824.81	179.01	11.194		
15,400.00	7,001.00	7,214.63	7,033.34	221.76	35.51	89.52	-5,663.23	-10,399.22	1,906.31	1,725.07	181.24	10.518		
15,500.00	7,001.00	7,214.93	7,033.63	224.02	35.51	89.55	-5,663.23	-10,399.22	1,809.07	1,625.36	183.70	9.848		
15,600.00	7,001.00	7,215.22	7,033.93	226.30	35.51	89.59	-5,663.23	-10,399.22	1,712.14	1,525.71	186.43	9.184		
15,700.00	7,001.00	7,215.51	7,034.22	228.58	35.52	89.63	-5,663.23	-10,399.22	1,615.59	1,426.12	189.46	8.527		
15,800.00	7,001.00	7,215.80	7,034.51	230.88	35.52	89.67	-5,663.23	-10,399.22	1,519.48	1,326.62	192.86	7.879		
15,900.00	7,001.00	7,216.09	7,034.80	233.19	35.52	89.71	-5,663.23	-10,399.22	1,423.91	1,227.24	196.68	7.240		
16,000.00	7,001.00	7,216.38	7,035.09	235.50	35.52	89.75	-5,663.23	-10,399.22	1,329.00	1,128.00	201.00	6.612		
16,100.00	7,001.00	7,216.67	7,035.38	237.83	35.52	89.79	-5,663.23	-10,399.22	1,234.88	1,028.97	205.91	5.997		
16,200.00	7,001.00	7,216.96	7,035.66	240.17	35.52	89.82	-5,663.24	-10,399.22	1,141.77	930.24	211.52	5.398		
16,300.00	7,001.00	7,217.25	7,035.95	242.52	35.52	89.86	-5,663.24	-10,399.22	1,049.92	831.94	217.98	4.817		
16,400.00	7,001.00	7,217.53	7,036.24	244.87	35.52	89.90	-5,663.24	-10,399.22	959.70	734.28	225.43	4.257		
16,500.00	7,001.00	7,217.82	7,036.52	247.24	35.52	89.94	-5,663.24	-10,399.22	871.63	637.60	234.03	3.724		
16,600.00	7,001.00	7,218.10	7,036.81	249.61	35.52	89.97	-5,663.24	-10,399.23	786.41	542.48	243.93	3.224		
16,700.00	7,001.00	7,218.39	7,037.09	251.99	35.52	90.01	-5,663.24	-10,399.23	705.08	449.90	255.18	2.763		
16,800.00	7,001.00	7,218.67	7,037.38	254.38	35.52	90.05	-5,663.24	-10,399.23	629.16	361.62	267.54	2.352		
16,900.00	7,001.00	7,218.95	7,037.66	256.78	35.52	90.09	-5,663.24	-10,399.23	560.84	280.69	280.15	2.002		
17,000.00	7,001.00	7,219.23	7,037.94	259.18	35.52	90.12	-5,663.24	-10,399.23	503.23	212.30	290.93	1.730		
17,100.00	7,001.00	7,219.51	7,038.22	261.59	35.53	90.16	-5,663.25	-10,399.23	460.37	164.29	296.07	1.555		
17,200.00	7,001.00	7,219.79	7,038.50	264.01	35.53	90.20	-5,663.25	-10,399.23	436.62	145.89	290.73	1.502 ES, SF		
17,256.50	7,001.00	7,219.95	7,038.66	265.38	35.53	90.22	-5,663.25	-10,399.23	432.95	151.09	281.86	1.536 CC		
17,300.00	7,001.00	7,220.07	7,038.78	266.44	35.53	90.24	-5,663.25	-10,399.23	435.13	162.90	272.22	1.598		
17,400.00	7,001.00	7,220.35	7,039.06	268.87	35.53	90.27	-5,663.25	-10,399.23	456.11	212.84	243.27	1.875		
17,500.00	7,001.00	7,220.63	7,039.34	271.31	35.53	90.31	-5,663.25	-10,399.23	496.72	286.19	210.54	2.359		
17,600.00	7,001.00	7,220.91	7,039.61	273.75	35.53	90.35	-5,663.25	-10,399.23	552.66	372.74	179.92	3.072		
17,700.00	7,001.00	7,221.18	7,039.89	276.20	35.53	90.38	-5,663.25	-10,399.23	619.78	465.40	154.38	4.015		
17,800.00	7,001.00	7,221.46	7,040.16	278.66	35.53	90.42	-5,663.25	-10,399.23	694.86	560.32	134.54	5.165		
17,900.00	7,001.00	7,221.73	7,040.44	281.12	35.53	90.46	-5,663.25	-10,399.24	775.58	655.64	119.94	6.466		
18,000.00	7,001.00	7,222.01	7,040.72	283.59	35.53	90.51	-5,663.25	-10,399.24	860.59	750.80	109.79	7.838		
18,100.00	7,001.00	7,222.30	7,041.00	286.09	35.53	90.58	-5,663.26	-10,399.24	949.87	846.46	103.40	9.186		
18,200.00	7,001.00	7,222.60	7,041.30	288.62	35.53	90.68	-5,663.26	-10,399.24	1,042.41	942.76	99.65	10.461		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T6N-R67W - EXIST HZ BOWER 10-3 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 99-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	7,001.00	7,222.90	7,041.61	291.16	35.53	90.73	-5,663.26	-10,399.24	1,136.77	1,039.28	97.49	11.661	
18,400.00	7,001.00	7,223.21	7,041.91	293.71	35.53	90.78	-5,663.26	-10,399.24	1,232.02	1,135.72	96.30	12.794	
18,500.00	7,001.00	7,223.51	7,042.22	296.26	35.54	90.83	-5,663.26	-10,399.24	1,327.97	1,232.19	95.78	13.865	
18,600.00	7,001.00	7,223.82	7,042.52	298.81	35.54	90.88	-5,663.26	-10,399.24	1,424.47	1,328.77	95.70	14.884	
18,700.00	7,001.00	7,224.12	7,042.83	301.36	35.54	90.93	-5,663.26	-10,399.24	1,521.43	1,425.50	95.93	15.861	
18,800.00	7,001.00	7,224.43	7,043.13	303.92	35.54	90.97	-5,663.26	-10,399.24	1,618.75	1,522.41	96.34	16.802	
18,900.00	7,001.00	7,224.73	7,043.44	306.48	35.54	91.02	-5,663.27	-10,399.24	1,716.39	1,619.51	96.88	17.717	
19,000.00	7,001.00	7,225.03	7,043.74	309.04	35.54	91.07	-5,663.27	-10,399.24	1,814.28	1,716.79	97.49	18.610	
19,100.00	7,001.00	7,225.34	7,044.04	311.61	35.54	91.12	-5,663.27	-10,399.24	1,912.39	1,814.25	98.14	19.487	
19,200.00	7,001.00	7,225.64	7,044.34	314.18	35.54	91.17	-5,663.27	-10,399.25	2,010.69	1,911.88	98.81	20.349	
19,300.00	7,001.00	7,225.94	7,044.64	316.75	35.54	91.22	-5,663.27	-10,399.25	2,109.14	2,009.66	99.48	21.201	
19,400.00	7,001.00	7,226.24	7,044.94	319.32	35.54	91.26	-5,663.27	-10,399.25	2,207.74	2,107.59	100.15	22.045	
19,500.00	7,001.00	7,226.54	7,045.25	321.90	35.54	91.31	-5,663.27	-10,399.25	2,306.46	2,205.66	100.80	22.881	
19,600.00	7,001.00	7,226.84	7,045.55	324.48	35.54	91.36	-5,663.27	-10,399.25	2,405.28	2,303.84	101.44	23.712	
19,700.00	7,001.00	7,227.14	7,045.84	327.05	35.54	91.21	-5,663.28	-10,399.25	2,504.08	2,402.00	102.08	24.530	
19,800.00	7,001.00	7,227.42	7,046.12	329.62	35.54	91.04	-5,663.28	-10,399.25	2,602.43	2,499.60	102.83	25.307	
19,900.00	7,001.00	7,227.68	7,046.39	332.16	35.55	90.92	-5,663.28	-10,399.25	2,700.26	2,596.56	103.70	26.038	
20,000.00	7,001.00	7,227.94	7,046.65	334.70	35.55	90.94	-5,663.28	-10,399.25	2,797.96	2,693.35	104.61	26.747	
20,100.00	7,001.00	7,228.20	7,046.91	337.24	35.55	90.97	-5,663.28	-10,399.25	2,895.82	2,790.33	105.49	27.451	
20,200.00	7,001.00	7,228.46	7,047.17	339.79	35.55	90.99	-5,663.28	-10,399.25	2,993.82	2,887.47	106.34	28.153	
20,300.00	7,001.00	7,228.72	7,047.43	342.34	35.55	91.02	-5,663.28	-10,399.25	3,091.94	2,984.77	107.17	28.851	
20,400.00	7,001.00	7,228.98	7,047.68	344.89	35.55	91.04	-5,663.28	-10,399.25	3,190.18	3,082.22	107.96	29.548	
20,500.00	7,001.00	7,229.24	7,047.94	347.44	35.55	91.07	-5,663.29	-10,399.26	3,288.53	3,179.80	108.73	30.244	
20,600.00	7,001.00	7,229.49	7,048.20	350.00	35.55	91.09	-5,663.29	-10,399.26	3,386.98	3,277.50	109.48	30.938	
20,683.43	7,001.00	7,229.70	7,048.41	351.63	35.55	91.12	-5,663.29	-10,399.26	3,469.18	3,357.35	111.83	31.023	

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 126-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,900.00	5,588.28	2,732.00	2,608.86	96.04	15.73	45.95	-6,113.78	-9,526.32	7,906.31	7,821.00	85.32	92.672	
8,000.00	5,648.89	2,784.55	2,656.42	97.53	16.17	46.13	-6,128.67	-9,543.01	7,881.15	7,794.13	87.01	90.573	
8,100.00	5,709.50	2,857.00	2,721.59	99.03	16.78	46.37	-6,149.80	-9,566.56	7,856.97	7,768.12	88.85	88.428	
8,200.00	5,770.11	3,018.63	2,867.68	100.52	18.14	46.91	-6,195.89	-9,618.10	7,832.40	7,741.11	91.29	85.799	
8,300.00	5,830.73	3,061.28	2,906.38	102.02	18.49	47.06	-6,207.45	-9,631.78	7,807.83	7,714.87	92.96	83.992	
8,400.00	5,891.34	3,107.00	2,947.84	103.51	18.87	47.22	-6,219.56	-9,646.78	7,783.99	7,689.33	94.66	82.231	
8,500.00	5,951.95	3,607.00	3,405.35	105.01	22.89	48.99	-6,353.23	-9,797.22	7,756.90	7,657.60	99.30	78.113	
8,600.00	6,012.57	3,768.38	3,554.36	106.50	24.13	49.56	-6,396.73	-9,841.31	7,728.94	7,627.18	101.76	75.951	
8,700.00	6,073.18	3,842.56	3,623.20	108.00	24.69	49.84	-6,415.60	-9,861.52	7,700.74	7,597.03	103.71	74.253	
8,800.00	6,133.79	3,857.00	3,636.60	109.49	24.80	49.89	-6,419.22	-9,865.47	7,673.19	7,567.88	105.30	72.868	
8,900.00	6,194.40	3,928.54	3,702.77	110.98	25.36	50.15	-6,437.84	-9,885.29	7,646.12	7,538.85	107.26	71.284	
9,000.00	6,255.02	3,982.00	3,751.87	112.48	25.77	50.34	-6,452.69	-9,900.33	7,619.98	7,510.87	109.11	69.836	
9,100.00	6,315.63	4,014.81	3,781.88	113.98	26.04	50.46	-6,462.13	-9,909.66	7,594.54	7,483.70	110.84	68.516	
9,200.00	6,376.24	4,063.28	3,826.07	115.47	26.43	50.63	-6,476.37	-9,923.57	7,569.81	7,457.13	112.68	67.178	
9,300.00	6,436.85	4,106.00	3,864.89	116.97	26.78	50.78	-6,489.23	-9,935.94	7,545.78	7,431.29	114.49	65.908	
9,400.00	6,497.47	4,172.54	3,925.10	118.46	27.34	51.00	-6,509.86	-9,955.35	7,522.34	7,405.87	116.47	64.584	
9,500.00	6,558.08	4,314.50	4,053.49	119.96	28.53	51.48	-6,554.30	-9,996.46	7,499.01	7,380.03	118.98	63.026	
9,600.00	6,618.69	4,407.14	4,137.88	121.45	29.29	51.81	-6,581.74	-10,023.02	7,475.29	7,354.13	121.17	61.694	
9,700.00	6,679.30	4,442.01	4,169.71	122.95	29.57	51.94	-6,591.58	-10,033.33	7,452.37	7,329.40	122.97	60.605	
9,800.00	6,739.92	6,980.00	6,616.41	124.44	42.39	64.50	-6,923.10	-10,445.02	7,412.50	7,277.67	134.83	54.976	
9,900.00	6,799.82	7,025.22	6,661.61	125.96	42.49	60.54	-6,922.66	-10,446.12	7,364.05	7,227.18	136.87	53.802	
10,000.00	6,854.86	7,071.38	6,707.76	127.56	42.59	53.80	-6,922.26	-10,447.31	7,303.23	7,164.46	138.76	52.632	
10,100.00	6,902.95	7,113.52	6,749.88	129.22	42.68	47.69	-6,921.96	-10,448.44	7,230.09	7,089.69	140.39	51.499	
10,200.00	6,942.63	7,153.36	6,789.70	130.85	42.77	41.58	-6,921.70	-10,449.52	7,146.62	7,004.92	141.70	50.435	
10,300.00	6,972.70	7,184.35	6,820.68	132.42	42.84	33.51	-6,921.53	-10,450.36	7,055.17	6,912.56	142.61	49.472	
10,400.00	6,992.24	7,205.52	6,841.84	133.85	42.89	14.95	-6,921.42	-10,450.94	6,958.40	6,815.32	143.07	48.636	
10,500.00	7,000.67	7,216.18	6,852.50	135.10	42.91	-58.63	-6,921.36	-10,451.24	6,859.16	6,716.11	143.06	47.947	
10,600.00	7,001.00	7,219.14	6,855.46	136.21	42.92	-77.66	-6,921.35	-10,451.32	6,759.91	6,617.22	142.69	47.375	
10,700.00	7,001.00	7,221.79	6,858.11	137.35	42.93	-77.83	-6,921.34	-10,451.39	6,660.70	6,518.41	142.30	46.809	
10,800.00	7,001.00	7,224.44	6,860.76	138.52	42.93	-78.01	-6,921.32	-10,451.46	6,561.52	6,419.63	141.89	46.243	
10,900.00	7,001.00	7,229.00	6,865.32	139.72	42.94	-78.31	-6,921.30	-10,451.51	6,462.36	6,320.89	141.48	45.678	
11,000.00	7,001.00	7,229.97	6,866.28	140.95	42.94	-78.38	-6,921.30	-10,451.62	6,363.23	6,222.18	141.05	45.115	
11,100.00	7,001.00	7,233.42	6,869.73	142.22	42.95	-78.61	-6,921.28	-10,451.71	6,264.12	6,123.52	140.60	44.552	
11,200.00	7,001.00	7,236.83	6,873.14	143.52	42.96	-78.83	-6,921.27	-10,451.80	6,165.04	6,024.90	140.15	43.990	
11,300.00	7,001.00	7,240.20	6,876.51	144.85	42.97	-79.06	-6,921.25	-10,451.90	6,065.99	5,926.32	139.68	43.429	
11,400.00	7,001.00	7,243.54	6,879.85	146.21	42.98	-79.28	-6,921.24	-10,451.99	5,966.97	5,827.78	139.19	42.869	
11,500.00	7,001.00	7,246.85	6,883.16	147.61	42.98	-79.51	-6,921.23	-10,452.07	5,867.98	5,729.30	138.69	42.311	
11,600.00	7,001.00	7,250.12	6,886.43	149.03	42.99	-79.73	-6,921.22	-10,452.16	5,769.03	5,630.86	138.17	41.753	
11,700.00	7,001.00	7,253.36	6,889.66	150.49	43.00	-79.94	-6,921.21	-10,452.25	5,670.11	5,532.48	137.63	41.198	
11,800.00	7,001.00	7,256.56	6,892.87	151.98	43.01	-80.16	-6,921.20	-10,452.33	5,571.23	5,434.15	137.08	40.643	
11,900.00	7,001.00	7,259.74	6,896.04	153.50	43.01	-80.37	-6,921.19	-10,452.42	5,472.38	5,335.88	136.50	40.090	
12,000.00	7,001.00	7,262.88	6,899.18	155.05	43.02	-80.58	-6,921.18	-10,452.50	5,373.58	5,237.67	135.91	39.539	
12,100.00	7,001.00	7,265.99	6,902.29	156.62	43.03	-80.79	-6,921.18	-10,452.58	5,274.82	5,139.53	135.29	38.989	
12,200.00	7,001.00	7,269.07	6,905.37	158.23	43.03	-81.00	-6,921.17	-10,452.66	5,176.11	5,041.46	134.65	38.441	
12,300.00	7,001.00	7,272.11	6,908.41	159.87	43.04	-81.21	-6,921.17	-10,452.74	5,077.44	4,943.45	133.99	37.895	
12,400.00	7,001.00	7,275.13	6,911.43	161.53	43.05	-81.41	-6,921.16	-10,452.82	4,978.83	4,845.53	133.30	37.351	
12,500.00	7,001.00	7,278.12	6,914.42	163.22	43.06	-81.62	-6,921.16	-10,452.89	4,880.27	4,747.69	132.58	36.809	
12,600.00	7,001.00	7,281.08	6,917.38	164.94	43.06	-81.82	-6,921.16	-10,452.97	4,781.77	4,649.93	131.84	36.269	
12,700.00	7,001.00	7,284.01	6,920.31	166.69	43.07	-82.02	-6,921.15	-10,453.04	4,683.33	4,552.26	131.07	35.731	
12,800.00	7,001.00	7,286.91	6,923.21	168.46	43.08	-82.22	-6,921.15	-10,453.11	4,584.96	4,454.69	130.27	35.196	
12,900.00	7,001.00	7,289.79	6,926.08	170.26	43.08	-82.41	-6,921.15	-10,453.19	4,486.66	4,357.23	129.44	34.663	
13,000.00	7,001.00	7,292.63	6,928.93	172.08	43.09	-82.61	-6,921.15	-10,453.26	4,388.44	4,259.87	128.57	34.133	

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 3-T6N-R67W - EXIST HZ BOWER 15-3 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 126-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,200.00	7,001.00	7,407.37	7,043.63	288.62	43.36	-90.49	-6,921.67	-10,455.78	1,205.29	903.13	302.17	3.989	
18,300.00	7,001.00	7,408.99	7,045.26	291.16	43.36	-90.60	-6,921.68	-10,455.81	1,274.98	978.70	296.28	4.303	
18,400.00	7,001.00	7,410.60	7,046.87	293.71	43.37	-90.70	-6,921.70	-10,455.84	1,348.49	1,058.21	290.28	4.645	
18,500.00	7,001.00	7,412.19	7,048.46	296.26	43.37	-90.80	-6,921.72	-10,455.87	1,425.22	1,140.87	284.36	5.012	
18,600.00	7,001.00	7,413.77	7,050.03	298.81	43.37	-90.90	-6,921.74	-10,455.90	1,504.69	1,226.09	278.60	5.401	
18,700.00	7,001.00	7,415.32	7,051.58	301.36	43.38	-91.00	-6,921.75	-10,455.93	1,586.48	1,313.39	273.09	5.809	
18,800.00	7,001.00	7,416.86	7,053.12	303.92	43.38	-91.10	-6,921.77	-10,455.95	1,670.25	1,402.39	267.86	6.235	
18,900.00	7,001.00	7,418.38	7,054.64	306.48	43.38	-91.20	-6,921.79	-10,455.98	1,755.72	1,492.80	262.92	6.678	
19,000.00	7,001.00	7,419.89	7,056.15	309.04	43.39	-91.30	-6,921.81	-10,456.01	1,842.65	1,584.37	258.28	7.134	
19,100.00	7,001.00	7,421.38	7,057.64	311.61	43.39	-91.39	-6,921.82	-10,456.03	1,930.85	1,676.92	253.93	7.604	
19,200.00	7,001.00	7,422.85	7,059.11	314.18	43.39	-91.49	-6,921.84	-10,456.06	2,020.14	1,770.29	249.85	8.085	
19,300.00	7,001.00	7,424.31	7,060.57	316.75	43.40	-91.58	-6,921.86	-10,456.08	2,110.39	1,864.36	246.03	8.578	
19,400.00	7,001.00	7,425.75	7,062.01	319.32	43.40	-91.68	-6,921.88	-10,456.11	2,201.49	1,959.03	242.46	9.080	
19,500.00	7,001.00	7,427.18	7,063.44	321.90	43.41	-91.77	-6,921.90	-10,456.13	2,293.32	2,054.21	239.11	9.591	
19,600.00	7,001.00	7,428.59	7,064.85	324.48	43.41	-91.86	-6,921.91	-10,456.15	2,385.81	2,149.83	235.98	10.110	
19,700.00	7,001.00	7,429.98	7,066.24	327.05	43.41	-92.07	-6,921.93	-10,456.18	2,479.16	2,246.05	233.11	10.635	
19,800.00	7,001.00	7,431.32	7,067.58	329.62	43.42	-92.40	-6,921.95	-10,456.20	2,574.07	2,343.42	230.65	11.160	
19,900.00	7,001.00	7,432.61	7,068.87	332.16	43.42	-92.80	-6,921.97	-10,456.22	2,670.32	2,441.72	228.60	11.681	
20,000.00	7,001.00	7,433.88	7,070.13	334.70	43.42	-92.90	-6,921.98	-10,456.24	2,767.20	2,540.43	226.78	12.202	
20,100.00	7,001.00	7,435.12	7,071.38	337.24	43.42	-93.01	-6,922.00	-10,456.26	2,864.30	2,639.23	225.07	12.726	
20,200.00	7,001.00	7,436.36	7,072.61	339.79	43.43	-93.11	-6,922.02	-10,456.28	2,961.59	2,738.12	223.47	13.253	
20,300.00	7,001.00	7,437.57	7,073.83	342.34	43.43	-93.22	-6,922.04	-10,456.30	3,059.05	2,837.09	221.96	13.782	
20,400.00	7,001.00	7,438.78	7,075.04	344.89	43.43	-93.32	-6,922.05	-10,456.32	3,156.67	2,936.13	220.54	14.313	
20,500.00	7,001.00	7,439.97	7,076.23	347.44	43.44	-93.42	-6,922.07	-10,456.34	3,254.43	3,035.23	219.20	14.847	
20,600.00	7,001.00	7,441.15	7,077.40	350.00	43.44	-93.52	-6,922.09	-10,456.36	3,352.33	3,134.39	217.94	15.382	
20,683.43	7,001.00	7,442.12	7,078.37	351.63	43.44	-93.60	-6,922.10	-10,456.37	3,434.09	3,216.12	217.98	15.754	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1577-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,200.00	7,001.00	17,476.00	7,264.97	240.17	281.41	99.52	-4,366.94	-11,132.11	2,505.81	2,083.11	422.69	5.928		
16,300.00	7,001.00	17,476.00	7,264.97	242.52	281.41	99.52	-4,366.94	-11,132.11	2,435.33	2,003.25	432.08	5.636		
16,400.00	7,001.00	17,476.00	7,264.97	244.87	281.41	99.52	-4,366.94	-11,132.11	2,366.99	1,925.32	441.66	5.359		
16,500.00	7,001.00	17,476.00	7,264.97	247.24	281.41	99.52	-4,366.94	-11,132.11	2,300.96	1,849.56	451.40	5.097		
16,600.00	7,001.00	17,476.00	7,264.97	249.61	281.41	99.52	-4,366.94	-11,132.11	2,237.45	1,776.22	461.23	4.851		
16,700.00	7,001.00	17,476.00	7,264.97	251.99	281.41	99.52	-4,366.94	-11,132.11	2,176.69	1,705.60	471.08	4.621		
16,800.00	7,001.00	17,476.00	7,264.97	254.38	281.41	99.52	-4,366.94	-11,132.11	2,118.90	1,638.03	480.87	4.406		
16,900.00	7,001.00	17,476.00	7,264.97	256.78	281.41	99.52	-4,366.94	-11,132.11	2,064.35	1,573.86	490.49	4.209		
17,000.00	7,001.00	17,476.00	7,264.97	259.18	281.41	99.52	-4,366.94	-11,132.11	2,013.28	1,513.47	499.81	4.028		
17,100.00	7,001.00	17,476.00	7,264.97	261.59	281.41	99.52	-4,366.94	-11,132.11	1,965.98	1,457.29	508.69	3.865		
17,200.00	7,001.00	17,476.00	7,264.97	264.01	281.41	99.52	-4,366.94	-11,132.11	1,922.72	1,405.74	516.98	3.719		
17,300.00	7,001.00	17,476.00	7,264.97	266.44	281.41	99.52	-4,366.94	-11,132.11	1,883.78	1,359.28	524.50	3.592		
17,400.00	7,001.00	17,476.00	7,264.97	268.87	281.41	99.52	-4,366.94	-11,132.11	1,849.44	1,318.36	531.08	3.482		
17,500.00	7,001.00	17,476.00	7,264.97	271.31	281.41	99.52	-4,366.94	-11,132.11	1,819.94	1,283.40	536.54	3.392		
17,600.00	7,001.00	17,476.00	7,264.97	273.75	281.41	99.52	-4,366.94	-11,132.11	1,795.54	1,254.83	540.71	3.321		
17,700.00	7,001.00	17,476.00	7,264.97	276.20	281.41	99.52	-4,366.94	-11,132.11	1,776.45	1,233.00	543.44	3.269		
17,800.00	7,001.00	17,476.00	7,264.97	278.66	281.41	99.52	-4,366.94	-11,132.11	1,762.82	1,218.21	544.61	3.237		
17,900.00	7,001.00	17,476.00	7,264.97	281.12	281.41	99.52	-4,366.94	-11,132.11	1,754.80	1,210.67	544.13	3.225		
18,000.00	7,001.00	17,407.00	7,264.46	283.59	279.54	99.51	-4,369.34	-11,201.06	1,751.36	1,207.74	543.62	3.222 SF		
18,035.04	7,001.00	17,380.51	7,264.26	284.47	278.83	99.51	-4,370.16	-11,227.54	1,751.03	1,207.58	543.46	3.222 CC, ES		
18,100.00	7,001.00	17,327.26	7,263.83	286.09	277.39	99.49	-4,371.37	-11,280.78	1,752.03	1,208.82	543.21	3.225		
18,200.00	7,001.00	17,227.65	7,263.47	288.62	274.69	99.47	-4,373.26	-11,380.37	1,756.86	1,213.65	543.20	3.234		
18,300.00	7,001.00	17,121.41	7,264.60	291.16	271.82	99.47	-4,376.08	-11,486.56	1,762.84	1,219.56	543.28	3.245		
18,400.00	7,001.00	17,029.58	7,265.28	293.71	269.34	99.46	-4,378.37	-11,578.36	1,768.95	1,225.87	543.08	3.257		
18,500.00	7,001.00	16,931.60	7,265.40	296.26	266.69	99.43	-4,380.23	-11,676.33	1,775.52	1,232.49	543.03	3.270		
18,600.00	7,001.00	16,845.79	7,264.35	298.81	264.37	99.37	-4,381.61	-11,762.11	1,782.20	1,239.46	542.75	3.284		
18,700.00	7,001.00	16,772.49	7,262.85	301.36	262.38	99.29	-4,381.69	-11,835.40	1,790.20	1,248.08	542.12	3.302		
18,800.00	7,001.00	16,698.47	7,262.24	303.92	260.38	99.23	-4,380.75	-11,909.41	1,799.73	1,258.35	541.39	3.324		
18,900.00	7,001.00	16,576.38	7,259.12	306.48	257.07	99.07	-4,378.73	-12,031.43	1,809.42	1,267.23	542.19	3.337		
19,000.00	7,001.00	16,422.00	7,247.00	309.04	252.90	98.63	-4,378.76	-12,185.29	1,816.52	1,272.62	543.91	3.340		
19,100.00	7,001.00	16,332.89	7,236.52	311.61	250.51	98.27	-4,379.62	-12,273.78	1,822.34	1,278.32	544.02	3.350		
19,200.00	7,001.00	16,258.01	7,227.90	314.18	248.50	97.97	-4,379.27	-12,348.16	1,829.63	1,285.93	543.70	3.365		
19,300.00	7,001.00	16,167.35	7,217.88	316.75	246.06	97.62	-4,377.96	-12,438.26	1,838.02	1,294.27	543.75	3.380		
19,400.00	7,001.00	16,044.00	7,206.90	319.32	242.73	97.24	-4,377.09	-12,561.10	1,846.08	1,301.45	544.63	3.390		
19,500.00	7,001.00	15,969.86	7,202.91	321.90	240.73	97.09	-4,377.00	-12,635.13	1,854.02	1,309.93	544.09	3.408		
19,600.00	7,001.00	15,846.96	7,199.53	324.48	237.40	96.94	-4,376.82	-12,757.98	1,862.38	1,317.63	544.74	3.419		
19,700.00	7,001.00	15,739.47	7,197.97	327.05	234.49	96.86	-4,378.01	-12,865.45	1,868.82	1,323.88	544.94	3.429		
19,800.00	7,001.00	15,615.86	7,192.87	329.62	231.15	96.69	-4,379.77	-12,988.93	1,871.43	1,325.91	545.52	3.431		
19,900.00	7,001.00	15,526.75	7,188.57	332.16	228.75	96.56	-4,381.99	-13,077.91	1,869.46	1,324.07	545.39	3.428		
19,998.65	7,001.00	15,476.00	7,186.33	334.67	227.38	96.50	-4,382.41	-13,128.61	1,867.97	1,323.67	544.30	3.432		
20,000.00	7,001.00	15,476.00	7,186.33	334.70	227.38	96.50	-4,382.41	-13,128.61	1,867.97	1,323.71	544.26	3.432		
20,030.77	7,001.00	15,443.86	7,185.07	335.48	226.51	96.46	-4,382.29	-13,160.72	1,867.82	1,323.50	544.32	3.431		
20,100.00	7,001.00	15,398.40	7,183.66	337.24	225.28	96.41	-4,381.65	-13,206.16	1,868.26	1,324.61	543.65	3.437		
20,200.00	7,001.00	15,300.79	7,182.12	339.79	222.63	96.36	-4,379.56	-13,303.73	1,869.82	1,326.22	543.60	3.440		
20,300.00	7,001.00	15,197.95	7,180.60	342.34	219.85	96.31	-4,377.62	-13,406.54	1,871.12	1,327.42	543.70	3.441		
20,400.00	7,001.00	15,084.25	7,176.47	344.89	216.77	96.18	-4,375.11	-13,520.14	1,872.59	1,328.41	544.18	3.441		
20,500.00	7,001.00	14,968.26	7,172.01	347.44	213.63	96.04	-4,373.94	-13,636.03	1,872.80	1,328.10	544.70	3.438		
20,532.20	7,001.00	14,942.14	7,170.81	348.26	212.93	96.00	-4,373.75	-13,662.12	1,872.75	1,328.19	544.56	3.439		
20,600.00	7,001.00	14,887.22	7,168.00	350.00	211.44	95.91	-4,373.04	-13,716.97	1,872.98	1,328.74	544.24	3.441		
20,683.43	7,001.00	14,824.48	7,165.80	351.63	209.75	95.84	-4,371.90	-13,779.65	1,873.90	1,330.99	542.91	3.452		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 5-T6N-R67W - MICKEY 11 - ORIGINAL WELLBORE - WB # 1 - Patterson 346		Offset Site Error:		0.00 usft	
Survey Program:		1576-MWD OWSG											Offset Well Error:		0.00 usft			
Reference		Offset		Semi Major Axis			Distance							Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	7,001.00	17,312.00	7,020.41	237.83	282.00	91.66	-4,529.22	-11,120.67	2,446.79	2,045.23	401.56	6.093						
16,200.00	7,001.00	17,312.00	7,020.41	240.17	282.00	91.66	-4,529.22	-11,120.67	2,370.84	1,959.58	411.27	5.765						
16,300.00	7,001.00	17,312.00	7,020.41	242.52	282.00	91.66	-4,529.22	-11,120.67	2,296.74	1,875.42	421.31	5.451						
16,400.00	7,001.00	17,312.00	7,020.41	244.87	282.00	91.66	-4,529.22	-11,120.67	2,224.66	1,792.99	431.67	5.154						
16,500.00	7,001.00	17,312.00	7,020.41	247.24	282.00	91.66	-4,529.22	-11,120.67	2,154.82	1,712.51	442.30	4.872						
16,600.00	7,001.00	17,312.00	7,020.41	249.61	282.00	91.66	-4,529.22	-11,120.67	2,087.43	1,634.27	453.16	4.606						
16,700.00	7,001.00	17,312.00	7,020.41	251.99	282.00	91.66	-4,529.22	-11,120.67	2,022.73	1,558.58	464.16	4.358						
16,800.00	7,001.00	17,312.00	7,020.41	254.38	282.00	91.66	-4,529.22	-11,120.67	1,961.01	1,485.80	475.21	4.127						
16,900.00	7,001.00	17,312.00	7,020.41	256.78	282.00	91.66	-4,529.22	-11,120.67	1,902.54	1,416.35	486.20	3.913						
17,000.00	7,001.00	17,312.00	7,020.41	259.18	282.00	91.66	-4,529.22	-11,120.67	1,847.64	1,350.67	496.98	3.718						
17,100.00	7,001.00	17,312.00	7,020.41	261.59	282.00	91.66	-4,529.22	-11,120.67	1,796.63	1,289.26	507.37	3.541						
17,200.00	7,001.00	17,312.00	7,020.41	264.01	282.00	91.66	-4,529.22	-11,120.67	1,749.86	1,232.68	517.18	3.383						
17,300.00	7,001.00	17,312.00	7,020.41	266.44	282.00	91.66	-4,529.22	-11,120.67	1,707.66	1,181.48	526.18	3.245						
17,400.00	7,001.00	17,312.00	7,020.41	268.87	282.00	91.66	-4,529.22	-11,120.67	1,670.40	1,136.27	534.12	3.127						
17,500.00	7,001.00	17,312.00	7,020.41	271.31	282.00	91.66	-4,529.22	-11,120.67	1,638.39	1,097.63	540.76	3.030						
17,600.00	7,001.00	17,312.00	7,020.41	273.75	282.00	91.66	-4,529.22	-11,120.67	1,611.97	1,066.12	545.85	2.953						
17,700.00	7,001.00	17,312.00	7,020.41	276.20	282.00	91.66	-4,529.22	-11,120.67	1,591.40	1,042.24	549.16	2.898						
17,800.00	7,001.00	17,312.00	7,020.41	278.66	282.00	91.66	-4,529.22	-11,120.67	1,576.92	1,026.41	550.51	2.864						
17,900.00	7,001.00	17,312.00	7,020.41	281.12	282.00	91.66	-4,529.22	-11,120.67	1,568.69	1,018.91	549.77	2.853 SF						
17,962.28	7,001.00	17,312.00	7,020.41	282.66	282.00	91.66	-4,529.22	-11,120.67	1,567.11	1,018.88	548.23	2.858 CC, ES						
18,000.00	7,001.00	17,296.26	7,020.35	283.59	281.58	91.66	-4,529.14	-11,136.41	1,567.17	1,019.69	547.48	2.862						
18,100.00	7,001.00	17,179.44	7,019.54	286.09	278.41	91.63	-4,528.96	-11,253.23	1,570.72	1,022.71	548.01	2.866						
18,200.00	7,001.00	17,083.51	7,017.95	288.62	275.81	91.57	-4,529.46	-11,349.14	1,577.01	1,029.18	547.84	2.879						
18,300.00	7,001.00	16,967.32	7,017.92	291.16	272.66	91.56	-4,530.64	-11,465.32	1,584.52	1,036.22	548.30	2.890						
18,400.00	7,001.00	16,864.93	7,018.96	293.71	269.89	91.59	-4,532.05	-11,567.69	1,591.72	1,043.40	548.32	2.903						
18,500.00	7,001.00	16,737.00	7,019.86	296.26	266.43	91.61	-4,535.26	-11,695.57	1,597.78	1,048.80	548.99	2.910						
18,600.00	7,001.00	16,626.54	7,018.12	298.81	263.45	91.54	-4,539.43	-11,805.94	1,602.50	1,053.33	549.17	2.918						
18,700.00	7,001.00	16,538.98	7,015.62	301.36	261.09	91.45	-4,542.63	-11,893.40	1,607.33	1,058.46	548.87	2.928						
18,800.00	7,001.00	16,475.24	7,012.50	303.92	259.37	91.34	-4,544.10	-11,957.05	1,613.56	1,065.68	547.89	2.945						
18,900.00	7,001.00	16,420.00	7,009.91	306.48	257.87	91.24	-4,543.83	-12,012.23	1,622.48	1,076.15	546.33	2.970						
19,000.00	7,001.00	16,353.74	7,007.46	309.04	256.07	91.15	-4,541.94	-12,078.41	1,633.77	1,088.88	544.90	2.998						
19,100.00	7,001.00	16,258.13	7,005.32	311.61	253.48	91.06	-4,537.82	-12,173.91	1,646.55	1,101.87	544.68	3.023						
19,200.00	7,001.00	16,113.49	7,003.09	314.18	249.55	90.98	-4,533.82	-12,318.47	1,657.87	1,111.41	546.46	3.034						
19,300.00	7,001.00	15,979.25	7,000.82	316.75	245.92	90.89	-4,533.65	-12,452.69	1,666.47	1,118.92	547.55	3.044						
19,400.00	7,001.00	15,903.79	6,998.33	319.32	243.87	90.80	-4,534.04	-12,528.10	1,674.57	1,127.83	546.74	3.063						
19,500.00	7,001.00	15,834.32	6,996.87	321.90	241.99	90.75	-4,532.72	-12,597.54	1,684.87	1,139.27	545.60	3.088						
19,600.00	7,001.00	15,721.54	6,995.30	324.48	238.93	90.69	-4,530.54	-12,710.29	1,695.30	1,149.25	546.05	3.105						
19,700.00	7,001.00	15,616.13	6,994.16	327.05	236.07	90.65	-4,528.93	-12,815.68	1,704.59	1,158.37	546.22	3.121						
19,800.00	7,001.00	15,506.08	6,992.57	329.62	233.09	90.59	-4,527.83	-12,925.72	1,710.06	1,163.53	546.53	3.129						
19,900.00	7,001.00	15,368.36	6,992.69	332.16	229.36	90.59	-4,528.32	-13,063.43	1,710.75	1,163.12	547.63	3.124						
20,000.00	7,001.00	15,265.62	6,993.35	334.70	226.59	90.62	-4,529.95	-13,166.14	1,708.76	1,161.07	547.69	3.120						
20,100.00	7,001.00	15,152.89	6,993.31	337.24	223.54	90.62	-4,532.13	-13,278.86	1,706.44	1,158.45	547.99	3.114						
20,200.00	7,001.00	15,062.53	6,992.25	339.79	221.10	90.58	-4,534.51	-13,369.17	1,703.43	1,155.69	547.74	3.110						
20,300.00	7,001.00	14,996.36	6,990.14	342.34	219.32	90.51	-4,534.99	-13,435.31	1,702.24	1,155.48	546.76	3.113						
20,400.00	7,001.00	14,894.25	6,986.63	344.89	216.55	90.39	-4,534.90	-13,537.36	1,701.90	1,155.10	546.79	3.112						
20,500.00	7,001.00	14,790.35	6,983.41	347.44	213.74	90.28	-4,534.91	-13,641.21	1,701.46	1,154.58	546.88	3.111						
20,600.00	7,001.00	14,678.33	6,980.64	350.00	210.71	90.19	-4,535.62	-13,753.19	1,700.41	1,153.20	547.21	3.107						
20,683.43	7,001.00	14,601.42	6,978.93	351.63	208.63	90.13	-4,536.34	-13,830.08	1,699.29	1,153.01	546.28	3.111						

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1585-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,200.00	7,001.00	17,365.00	7,068.05	240.17	281.92	93.90	-4,862.21	-11,122.17	2,167.40	1,794.68	372.72	5.815		
16,300.00	7,001.00	17,365.00	7,068.05	242.52	281.92	93.90	-4,862.21	-11,122.17	2,086.03	1,702.74	383.29	5.442		
16,400.00	7,001.00	17,365.00	7,068.05	244.87	281.92	93.90	-4,862.21	-11,122.17	2,006.34	1,611.92	394.42	5.087		
16,500.00	7,001.00	17,365.00	7,068.05	247.24	281.92	93.90	-4,862.21	-11,122.17	1,928.55	1,522.43	406.12	4.749		
16,600.00	7,001.00	17,365.00	7,068.05	249.61	281.92	93.90	-4,862.21	-11,122.17	1,852.89	1,434.52	418.37	4.429		
16,700.00	7,001.00	17,365.00	7,068.05	251.99	281.92	93.90	-4,862.21	-11,122.17	1,779.64	1,348.51	431.13	4.128		
16,800.00	7,001.00	17,365.00	7,068.05	254.38	281.92	93.90	-4,862.21	-11,122.17	1,709.10	1,264.76	444.34	3.846		
16,900.00	7,001.00	17,365.00	7,068.05	256.78	281.92	93.90	-4,862.21	-11,122.17	1,641.62	1,183.73	457.89	3.585		
17,000.00	7,001.00	17,365.00	7,068.05	259.18	281.92	93.90	-4,862.21	-11,122.17	1,577.59	1,105.96	471.63	3.345		
17,100.00	7,001.00	17,365.00	7,068.05	261.59	281.92	93.90	-4,862.21	-11,122.17	1,517.47	1,032.10	485.36	3.126		
17,200.00	7,001.00	17,365.00	7,068.05	264.01	281.92	93.90	-4,862.21	-11,122.17	1,461.71	962.90	498.81	2.930		
17,300.00	7,001.00	17,365.00	7,068.05	266.44	281.92	93.90	-4,862.21	-11,122.17	1,410.85	899.21	511.64	2.758		
17,400.00	7,001.00	17,365.00	7,068.05	268.87	281.92	93.90	-4,862.21	-11,122.17	1,365.43	842.01	523.42	2.609		
17,500.00	7,001.00	17,365.00	7,068.05	271.31	281.92	93.90	-4,862.21	-11,122.17	1,326.01	792.31	533.70	2.485		
17,600.00	7,001.00	17,365.00	7,068.05	273.75	281.92	93.90	-4,862.21	-11,122.17	1,293.13	751.17	541.96	2.386		
17,700.00	7,001.00	17,365.00	7,068.05	276.20	281.92	93.90	-4,862.21	-11,122.17	1,267.32	719.61	547.71	2.314		
17,800.00	7,001.00	17,365.00	7,068.05	278.66	281.92	93.90	-4,862.21	-11,122.17	1,249.00	698.49	550.50	2.269		
17,900.00	7,001.00	17,365.00	7,068.05	281.12	281.92	93.90	-4,862.21	-11,122.17	1,238.50	688.48	550.02	2.252 ES, SF		
17,975.71	7,001.00	17,365.00	7,068.05	282.99	281.92	93.90	-4,862.21	-11,122.17	1,236.40	689.02	547.38	2.259		
18,000.00	7,001.00	17,346.49	7,067.87	283.59	281.42	93.89	-4,862.16	-11,140.68	1,236.34	689.25	547.09	2.260 CC		
18,100.00	7,001.00	17,241.39	7,066.75	286.09	278.57	93.83	-4,861.95	-11,245.77	1,239.84	692.52	547.31	2.265		
18,200.00	7,001.00	17,138.31	7,064.35	288.62	275.77	93.71	-4,862.32	-11,348.82	1,246.16	698.70	547.46	2.276		
18,300.00	7,001.00	17,046.17	7,060.89	291.16	273.28	93.53	-4,862.30	-11,440.90	1,254.48	707.37	547.11	2.293		
18,400.00	7,001.00	16,958.85	7,057.55	293.71	270.91	93.35	-4,861.60	-11,528.15	1,263.58	717.09	546.49	2.312		
18,500.00	7,001.00	16,871.23	7,057.06	296.26	268.53	93.31	-4,860.11	-11,615.75	1,273.77	727.95	545.81	2.334		
18,600.00	7,001.00	16,773.16	7,056.30	298.81	266.87	93.24	-4,857.86	-11,713.80	1,284.53	738.83	545.70	2.354		
18,700.00	7,001.00	16,671.19	7,054.83	301.36	263.10	93.15	-4,855.79	-11,815.74	1,295.00	749.19	545.81	2.373		
18,800.00	7,001.00	16,574.68	7,052.47	303.92	260.48	93.02	-4,853.64	-11,912.19	1,305.61	759.99	545.63	2.393		
18,900.00	7,001.00	16,447.55	7,050.29	306.48	257.03	92.90	-4,851.55	-12,039.28	1,315.81	768.82	546.99	2.406		
19,000.00	7,001.00	16,348.86	7,050.99	309.04	254.35	92.91	-4,851.73	-12,137.96	1,324.19	777.29	546.90	2.421		
19,100.00	7,001.00	16,215.52	7,051.42	311.61	250.75	92.91	-4,853.74	-12,271.28	1,331.11	782.89	548.23	2.428		
19,200.00	7,001.00	16,111.93	7,051.01	314.18	247.95	92.88	-4,856.04	-12,374.84	1,337.43	789.11	548.33	2.439		
19,300.00	7,001.00	15,999.67	7,051.70	316.75	244.92	92.89	-4,859.83	-12,487.03	1,342.60	793.91	548.69	2.447		
19,400.00	7,001.00	15,905.73	7,051.69	319.32	242.38	92.88	-4,863.08	-12,580.92	1,347.69	799.23	548.47	2.457		
19,500.00	7,001.00	15,804.37	7,051.28	321.90	239.65	92.85	-4,866.13	-12,682.23	1,353.21	804.72	548.49	2.467		
19,600.00	7,001.00	15,708.23	7,050.79	324.48	237.05	92.82	-4,869.24	-12,778.32	1,358.50	810.16	548.34	2.477		
19,700.00	7,001.00	15,606.96	7,050.85	327.05	234.32	92.81	-4,872.20	-12,879.54	1,363.36	815.01	548.36	2.486		
19,800.00	7,001.00	15,511.08	7,052.28	329.62	231.73	92.87	-4,875.15	-12,975.36	1,364.84	816.66	548.19	2.490		
19,900.00	7,001.00	15,411.34	7,052.18	332.16	229.04	92.87	-4,877.86	-13,075.07	1,363.14	814.98	548.16	2.487		
20,000.00	7,001.00	15,332.39	7,052.32	334.70	226.91	92.88	-4,879.56	-13,154.00	1,360.63	813.25	547.38	2.486		
20,100.00	7,001.00	15,251.98	7,053.52	337.24	224.73	92.93	-4,879.94	-13,234.40	1,359.81	813.28	546.53	2.488		
20,115.10	7,001.00	15,239.31	7,053.75	337.63	224.39	92.94	-4,879.91	-13,247.07	1,359.79	813.38	546.42	2.489		
20,200.00	7,001.00	15,177.83	7,054.90	339.79	222.72	92.99	-4,879.33	-13,308.53	1,360.39	815.14	545.25	2.495		
20,300.00	7,001.00	15,116.18	7,055.96	342.34	221.05	93.03	-4,877.27	-13,370.13	1,363.46	820.43	543.03	2.511		
20,400.00	7,001.00	14,988.86	7,057.28	344.89	217.60	93.07	-4,872.58	-13,497.35	1,366.73	822.13	544.60	2.510		
20,500.00	7,001.00	14,883.05	7,056.63	347.44	214.73	93.04	-4,869.60	-13,603.12	1,369.11	824.21	544.90	2.513		
20,600.00	7,001.00	14,768.21	7,054.32	350.00	211.62	92.94	-4,867.14	-13,717.91	1,370.75	825.09	545.66	2.512		
20,683.43	7,001.00	14,669.70	7,051.80	351.63	208.95	92.83	-4,866.16	-13,816.38	1,371.14	825.49	545.65	2.513		

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

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 5-T6N-R67W - MICKEY 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	4,376.03	17,484.00	7,343.44	66.18	282.45	79.40	-5,032.64	-11,098.31	10,099.94	9,985.75	114.19	88.445		
6,000.00	4,436.64	17,484.00	7,343.44	67.67	282.45	79.40	-5,032.64	-11,098.31	10,033.48	9,919.36	114.12	87.919		
6,100.00	4,497.25	17,484.00	7,343.44	69.17	282.45	79.40	-5,032.64	-11,098.31	9,967.59	9,853.54	114.05	87.396		
6,200.00	4,557.86	17,484.00	7,343.44	70.66	282.45	79.40	-5,032.64	-11,098.31	9,902.26	9,788.28	113.98	86.876		
6,300.00	4,618.48	17,484.00	7,343.44	72.15	282.45	79.40	-5,032.64	-11,098.31	9,837.52	9,723.60	113.91	86.359		
6,400.00	4,679.09	17,484.00	7,343.44	73.64	282.45	79.40	-5,032.64	-11,098.31	9,773.37	9,659.52	113.85	85.843		
6,500.00	4,739.70	17,484.00	7,343.44	75.13	282.45	79.40	-5,032.64	-11,098.31	9,709.82	9,596.03	113.79	85.328		
6,600.00	4,800.31	17,484.00	7,343.44	76.62	282.45	79.40	-5,032.64	-11,098.31	9,646.90	9,533.16	113.74	84.814		
6,700.00	4,860.93	17,484.00	7,343.44	78.12	282.45	79.40	-5,032.64	-11,098.31	9,584.60	9,470.91	113.70	84.300		
6,800.00	4,921.54	17,484.00	7,343.44	79.61	282.45	79.40	-5,032.64	-11,098.31	9,522.95	9,409.29	113.66	83.784		
6,900.00	4,982.15	17,484.00	7,343.44	81.10	282.45	79.40	-5,032.64	-11,098.31	9,461.95	9,348.32	113.64	83.265		
7,000.00	5,042.76	17,484.00	7,343.44	82.60	282.45	79.40	-5,032.64	-11,098.31	9,401.62	9,288.00	113.63	82.742		
7,100.00	5,103.38	17,484.00	7,343.44	84.09	282.45	79.40	-5,032.64	-11,098.31	9,341.98	9,228.35	113.63	82.214		
7,200.00	5,163.99	17,484.00	7,343.44	85.58	282.45	79.40	-5,032.64	-11,098.31	9,283.02	9,169.37	113.66	81.677		
7,300.00	5,224.60	17,484.00	7,343.44	87.07	282.45	79.40	-5,032.64	-11,098.31	9,224.77	9,111.07	113.70	81.129		
7,400.00	5,285.21	17,484.00	7,343.44	88.57	282.45	79.40	-5,032.64	-11,098.31	9,167.25	9,053.47	113.78	80.569		
7,500.00	5,345.83	17,484.00	7,343.44	90.06	282.45	79.40	-5,032.64	-11,098.31	9,110.46	8,996.56	113.89	79.992		
7,600.00	5,406.44	17,484.00	7,343.44	91.56	282.45	79.40	-5,032.64	-11,098.31	9,054.41	8,940.37	114.04	79.396		
7,700.00	5,467.05	17,484.00	7,343.44	93.05	282.45	79.40	-5,032.64	-11,098.31	8,999.13	8,884.89	114.24	78.775		
7,800.00	5,527.66	17,484.00	7,343.44	94.54	282.45	79.40	-5,032.64	-11,098.31	8,944.63	8,830.13	114.49	78.124		
7,900.00	5,588.28	17,484.00	7,343.44	96.04	282.45	79.40	-5,032.64	-11,098.31	8,890.91	8,776.10	114.81	77.439		
8,000.00	5,648.89	17,484.00	7,343.44	97.53	282.45	79.40	-5,032.64	-11,098.31	8,838.00	8,722.79	115.21	76.713		
8,100.00	5,709.50	17,484.00	7,343.44	99.03	282.45	79.40	-5,032.64	-11,098.31	8,785.91	8,670.21	115.70	75.939		
8,200.00	5,770.11	17,484.00	7,343.44	100.52	282.45	79.40	-5,032.64	-11,098.31	8,734.66	8,618.36	116.29	75.109		
8,300.00	5,830.73	17,484.00	7,343.44	102.02	282.45	79.40	-5,032.64	-11,098.31	8,684.25	8,567.24	117.01	74.217		
8,400.00	5,891.34	17,484.00	7,343.44	103.51	282.45	79.40	-5,032.64	-11,098.31	8,634.71	8,516.83	117.87	73.254		
8,500.00	5,951.95	17,484.00	7,343.44	105.01	282.45	79.40	-5,032.64	-11,098.31	8,586.04	8,467.15	118.90	72.214		
8,600.00	6,012.57	17,484.00	7,343.44	106.50	282.45	79.40	-5,032.64	-11,098.31	8,538.27	8,418.17	120.10	71.093		
8,700.00	6,073.18	17,484.00	7,343.44	108.00	282.45	79.40	-5,032.64	-11,098.31	8,491.41	8,369.91	121.50	69.887		
8,800.00	6,133.79	17,484.00	7,343.44	109.49	282.45	79.40	-5,032.64	-11,098.31	8,445.48	8,322.36	123.12	68.597		
8,900.00	6,194.40	17,484.00	7,343.44	110.98	282.45	79.40	-5,032.64	-11,098.31	8,400.48	8,275.52	124.96	67.227		
9,000.00	6,255.02	17,484.00	7,343.44	112.48	282.45	79.40	-5,032.64	-11,098.31	8,356.44	8,229.41	127.03	65.784		
9,100.00	6,315.63	17,484.00	7,343.44	113.98	282.45	79.40	-5,032.64	-11,098.31	8,313.36	8,184.03	129.33	64.280		
9,200.00	6,376.24	17,484.00	7,343.44	115.47	282.45	79.40	-5,032.64	-11,098.31	8,271.27	8,139.42	131.86	62.729		
9,300.00	6,436.85	17,484.00	7,343.44	116.97	282.45	79.40	-5,032.64	-11,098.31	8,230.18	8,095.58	134.60	61.145		
9,400.00	6,497.47	17,484.00	7,343.44	118.46	282.45	79.40	-5,032.64	-11,098.31	8,190.11	8,052.56	137.55	59.544		
9,500.00	6,558.08	17,484.00	7,343.44	119.96	282.45	79.40	-5,032.64	-11,098.31	8,151.07	8,010.39	140.68	57.941		
9,600.00	6,618.69	17,484.00	7,343.44	121.45	282.45	79.40	-5,032.64	-11,098.31	8,113.07	7,969.09	143.98	56.348		
9,700.00	6,679.30	17,484.00	7,343.44	122.95	282.45	79.40	-5,032.64	-11,098.31	8,076.13	7,928.69	147.43	54.778		
9,800.00	6,739.92	17,484.00	7,343.44	124.44	282.45	79.40	-5,032.64	-11,098.31	8,040.26	7,889.24	151.02	53.239		
9,900.00	6,799.82	17,484.00	7,343.44	125.96	282.45	75.87	-5,032.64	-11,098.31	8,003.03	7,848.32	154.71	51.728		
10,000.00	6,854.86	17,484.00	7,343.44	127.56	282.45	70.71	-5,032.64	-11,098.31	7,952.87	7,794.52	158.36	50.221		
10,100.00	6,902.95	17,484.00	7,343.44	129.22	282.45	67.28	-5,032.64	-11,098.31	7,889.42	7,727.62	161.80	48.759		
10,200.00	6,942.63	17,484.00	7,343.44	130.85	282.45	65.86	-5,032.64	-11,098.31	7,814.30	7,649.39	164.91	47.385		
10,300.00	6,972.70	17,484.00	7,343.44	132.42	282.45	67.23	-5,032.64	-11,098.31	7,729.48	7,561.93	167.55	46.132		
10,400.00	6,992.24	17,484.00	7,343.44	133.85	282.45	73.88	-5,032.64	-11,098.31	7,637.29	7,467.68	169.61	45.030		
10,500.00	7,000.67	17,484.00	7,343.44	135.10	282.45	96.83	-5,032.64	-11,098.31	7,540.28	7,369.30	170.98	44.101		
10,600.00	7,001.00	17,484.00	7,343.44	136.21	282.45	108.69	-5,032.64	-11,098.31	7,441.45	7,269.62	171.83	43.307		
10,700.00	7,001.00	17,484.00	7,343.44	137.35	282.45	108.69	-5,032.64	-11,098.31	7,342.61	7,169.93	172.68	42.521		
10,800.00	7,001.00	17,484.00	7,343.44	138.52	282.45	108.69	-5,032.64	-11,098.31	7,243.80	7,070.24	173.56	41.737		
10,900.00	7,001.00	17,484.00	7,343.44	139.72	282.45	108.69	-5,032.64	-11,098.31	7,145.03	6,970.56	174.46	40.954		
11,000.00	7,001.00	17,484.00	7,343.44	140.95	282.45	108.69	-5,032.64	-11,098.31	7,046.28	6,870.89	175.39	40.174		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1583-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,300.00	7,001.00	17,484.00	7,343.44	242.52	282.45	108.69	-5,032.64	-11,098.31	2,000.52	1,643.74	356.78	5.607		
16,400.00	7,001.00	17,484.00	7,343.44	244.87	282.45	108.69	-5,032.64	-11,098.31	1,918.54	1,550.94	367.60	5.219		
16,500.00	7,001.00	17,484.00	7,343.44	247.24	282.45	108.69	-5,032.64	-11,098.31	1,838.35	1,459.27	379.08	4.850		
16,600.00	7,001.00	17,484.00	7,343.44	249.61	282.45	108.69	-5,032.64	-11,098.31	1,760.18	1,368.98	391.20	4.499		
16,700.00	7,001.00	17,484.00	7,343.44	251.99	282.45	108.69	-5,032.64	-11,098.31	1,684.33	1,280.36	403.96	4.170		
16,800.00	7,001.00	17,484.00	7,343.44	254.38	282.45	108.69	-5,032.64	-11,098.31	1,611.11	1,193.80	417.31	3.861		
16,900.00	7,001.00	17,484.00	7,343.44	256.78	282.45	108.69	-5,032.64	-11,098.31	1,540.90	1,109.74	431.16	3.574		
17,000.00	7,001.00	17,484.00	7,343.44	259.18	282.45	108.69	-5,032.64	-11,098.31	1,474.15	1,028.77	445.37	3.310		
17,100.00	7,001.00	17,484.00	7,343.44	261.59	282.45	108.69	-5,032.64	-11,098.31	1,411.32	951.58	459.74	3.070		
17,200.00	7,001.00	17,484.00	7,343.44	264.01	282.45	108.69	-5,032.64	-11,098.31	1,352.97	879.00	473.98	2.855		
17,300.00	7,001.00	17,484.00	7,343.44	266.44	282.45	108.69	-5,032.64	-11,098.31	1,299.71	812.02	487.70	2.665		
17,400.00	7,001.00	17,484.00	7,343.44	268.87	282.45	108.69	-5,032.64	-11,098.31	1,252.19	751.78	500.41	2.502		
17,500.00	7,001.00	17,484.00	7,343.44	271.31	282.45	108.69	-5,032.64	-11,098.31	1,211.07	699.53	511.54	2.367		
17,600.00	7,001.00	17,484.00	7,343.44	273.75	282.45	108.69	-5,032.64	-11,098.31	1,177.03	656.58	520.45	2.262		
17,700.00	7,001.00	17,484.00	7,343.44	276.20	282.45	108.69	-5,032.64	-11,098.31	1,150.70	624.19	526.51	2.186		
17,800.00	7,001.00	17,484.00	7,343.44	278.66	282.45	108.69	-5,032.64	-11,098.31	1,132.62	603.47	529.15	2.140		
17,900.00	7,001.00	17,484.00	7,343.44	281.12	282.45	108.69	-5,032.64	-11,098.31	1,123.19	595.22	527.97	2.127		
18,000.00	7,001.00	17,405.44	7,343.06	283.59	280.32	108.70	-5,035.13	-11,176.83	1,120.16	593.04	527.12	2.125 SF		
18,030.10	7,001.00	17,380.44	7,342.95	284.34	279.65	108.69	-5,035.82	-11,201.82	1,119.94	593.03	526.91	2.125 CC, ES		
18,100.00	7,001.00	17,318.90	7,342.47	286.09	277.98	108.66	-5,037.04	-11,263.34	1,121.03	594.39	526.63	2.129		
18,200.00	7,001.00	17,197.57	7,338.87	288.62	274.70	108.40	-5,038.60	-11,384.60	1,125.49	597.39	528.09	2.131		
18,300.00	7,001.00	17,103.37	7,333.07	291.16	272.15	108.02	-5,040.75	-11,478.60	1,129.57	600.81	528.75	2.136		
18,400.00	7,001.00	16,966.08	7,319.58	293.71	268.47	107.24	-5,044.07	-11,615.15	1,132.23	600.63	531.60	2.130		
18,500.00	7,001.00	16,873.50	7,307.92	296.26	265.99	106.59	-5,046.16	-11,706.97	1,134.53	601.68	532.85	2.129		
18,600.00	7,001.00	16,768.75	7,292.82	298.81	263.19	105.77	-5,048.44	-11,810.60	1,136.55	601.86	534.69	2.126		
18,700.00	7,001.00	16,678.80	7,279.19	301.36	260.80	105.02	-5,049.80	-11,899.49	1,139.25	603.34	535.91	2.126		
18,800.00	7,001.00	16,588.29	7,265.63	303.92	258.38	104.28	-5,050.67	-11,988.98	1,142.77	605.76	537.01	2.128		
18,900.00	7,001.00	16,503.14	7,254.05	306.48	256.10	103.63	-5,050.84	-12,073.33	1,147.56	609.94	537.62	2.135		
19,000.00	7,001.00	16,425.00	7,244.70	309.04	254.00	103.10	-5,050.54	-12,150.91	1,153.58	616.01	537.57	2.146		
19,100.00	7,001.00	16,331.00	7,236.91	311.61	251.46	102.62	-5,049.47	-12,244.57	1,161.20	623.17	538.03	2.158		
19,200.00	7,001.00	16,280.97	7,234.92	314.18	250.11	102.46	-5,047.92	-12,294.53	1,171.47	636.12	535.35	2.188		
19,300.00	7,001.00	16,236.00	7,234.32	316.75	248.89	102.37	-5,045.34	-12,339.42	1,185.53	654.23	531.30	2.231		
19,400.00	7,001.00	16,165.25	7,235.18	319.32	246.97	102.28	-5,039.20	-12,409.90	1,202.80	673.92	528.87	2.274		
19,500.00	7,001.00	16,013.07	7,234.63	321.90	242.85	101.98	-5,024.86	-12,561.32	1,220.58	686.76	533.82	2.286		
19,600.00	7,001.00	15,907.26	7,227.05	324.48	239.98	101.47	-5,017.32	-12,666.59	1,234.45	699.45	535.00	2.307		
19,700.00	7,001.00	15,798.97	7,221.09	327.05	237.05	101.02	-5,009.61	-12,774.43	1,248.02	711.85	536.17	2.328		
19,800.00	7,001.00	15,637.47	7,217.28	329.62	232.67	100.72	-5,004.63	-12,935.79	1,255.00	714.84	540.16	2.323		
19,900.00	7,001.00	15,523.10	7,211.60	332.16	229.57	100.45	-5,004.52	-13,050.02	1,255.13	713.97	541.16	2.319		
20,000.00	7,001.00	15,394.17	7,202.72	334.70	226.09	100.06	-5,005.16	-13,178.62	1,253.13	710.34	542.80	2.309		
20,100.00	7,001.00	15,307.49	7,195.39	337.24	223.76	99.74	-5,006.36	-13,264.99	1,249.92	707.25	542.67	2.303		
20,200.00	7,001.00	15,232.81	7,190.18	339.79	221.74	99.51	-5,006.42	-13,339.49	1,248.29	706.48	541.81	2.304		
20,224.00	7,001.00	15,215.23	7,189.24	340.40	221.26	99.46	-5,006.25	-13,357.03	1,248.21	706.68	541.54	2.305		
20,300.00	7,001.00	15,151.72	7,186.91	342.34	219.54	99.35	-5,005.25	-13,420.50	1,248.62	707.63	540.99	2.308		
20,400.00	7,001.00	15,048.58	7,186.03	344.89	216.75	99.30	-5,003.49	-13,523.62	1,249.78	708.58	541.20	2.309		
20,500.00	7,001.00	14,907.52	7,184.12	347.44	212.93	99.22	-5,003.82	-13,664.65	1,248.96	705.76	543.20	2.299		
20,600.00	7,001.00	14,802.53	7,179.21	350.00	210.10	99.02	-5,005.69	-13,769.51	1,246.06	702.44	543.62	2.292		
20,683.43	7,001.00	14,721.28	7,174.57	351.63	207.91	98.82	-5,006.87	-13,850.61	1,243.79	700.75	543.03	2.290		

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 5-T6N-R67W - VARRA 10 - Wellbore #1 - Wellbore #1													Offset Site Error:	0.00 usft
Survey Program: 1652-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,000.00	7,001.00	17,140.00	7,404.68	140.95	269.49	-117.01	-6,928.12	-14,177.26	10,076.73	9,929.74	146.99	68.556		
11,100.00	7,001.00	17,140.00	7,404.68	142.22	269.49	-117.01	-6,928.12	-14,177.26	9,977.17	9,830.27	146.90	67.919		
11,200.00	7,001.00	17,140.00	7,404.68	143.52	269.49	-117.01	-6,928.12	-14,177.26	9,877.62	9,730.81	146.81	67.281		
11,300.00	7,001.00	17,140.00	7,404.68	144.85	269.49	-117.01	-6,928.12	-14,177.26	9,778.08	9,631.35	146.72	66.644		
11,400.00	7,001.00	17,140.00	7,404.68	146.21	269.49	-117.01	-6,928.12	-14,177.26	9,678.54	9,531.91	146.63	66.006		
11,500.00	7,001.00	17,140.00	7,404.68	147.61	269.49	-117.01	-6,928.12	-14,177.26	9,579.02	9,432.48	146.54	65.367		
11,600.00	7,001.00	17,140.00	7,404.68	149.03	269.49	-117.01	-6,928.12	-14,177.26	9,479.51	9,333.06	146.45	64.728		
11,700.00	7,001.00	17,140.00	7,404.68	150.49	269.49	-117.01	-6,928.12	-14,177.26	9,380.00	9,233.65	146.36	64.089		
11,800.00	7,001.00	17,140.00	7,404.68	151.98	269.49	-117.01	-6,928.12	-14,177.26	9,280.51	9,134.25	146.27	63.449		
11,900.00	7,001.00	17,140.00	7,404.68	153.50	269.49	-117.01	-6,928.12	-14,177.26	9,181.03	9,034.86	146.17	62.809		
12,000.00	7,001.00	17,140.00	7,404.68	155.05	269.49	-117.01	-6,928.12	-14,177.26	9,081.56	8,935.48	146.08	62.169		
12,100.00	7,001.00	17,140.00	7,404.68	156.62	269.49	-117.01	-6,928.12	-14,177.26	8,982.10	8,836.12	145.98	61.528		
12,200.00	7,001.00	17,140.00	7,404.68	158.23	269.49	-117.01	-6,928.12	-14,177.26	8,882.66	8,736.77	145.89	60.887		
12,300.00	7,001.00	17,140.00	7,404.68	159.87	269.49	-117.01	-6,928.12	-14,177.26	8,783.23	8,637.43	145.79	60.245		
12,400.00	7,001.00	17,140.00	7,404.68	161.53	269.49	-117.01	-6,928.12	-14,177.26	8,683.81	8,538.11	145.69	59.603		
12,500.00	7,001.00	17,140.00	7,404.68	163.22	269.49	-117.01	-6,928.12	-14,177.26	8,584.40	8,438.80	145.60	58.960		
12,600.00	7,001.00	17,140.00	7,404.68	164.94	269.49	-117.01	-6,928.12	-14,177.26	8,485.01	8,339.51	145.50	58.317		
12,700.00	7,001.00	17,140.00	7,404.68	166.69	269.49	-117.01	-6,928.12	-14,177.26	8,385.63	8,240.23	145.40	57.674		
12,800.00	7,001.00	17,140.00	7,404.68	168.46	269.49	-117.01	-6,928.12	-14,177.26	8,286.27	8,140.97	145.30	57.030		
12,900.00	7,001.00	17,140.00	7,404.68	170.26	269.49	-117.01	-6,928.12	-14,177.26	8,186.92	8,041.72	145.20	56.385		
13,000.00	7,001.00	17,140.00	7,404.68	172.08	269.49	-117.01	-6,928.12	-14,177.26	8,087.59	7,942.49	145.09	55.740		
13,100.00	7,001.00	17,140.00	7,404.68	173.92	269.49	-117.01	-6,928.12	-14,177.26	7,988.27	7,843.28	144.99	55.095		
13,200.00	7,001.00	17,140.00	7,404.68	175.79	269.49	-117.01	-6,928.12	-14,177.26	7,888.98	7,744.09	144.89	54.449		
13,300.00	7,001.00	17,140.00	7,404.68	177.68	269.49	-117.01	-6,928.12	-14,177.26	7,789.70	7,644.91	144.78	53.802		
13,400.00	7,001.00	17,140.00	7,404.68	179.60	269.49	-117.01	-6,928.12	-14,177.26	7,690.44	7,545.76	144.68	53.155		
13,500.00	7,001.00	17,140.00	7,404.68	181.53	269.49	-117.01	-6,928.12	-14,177.26	7,591.20	7,446.62	144.57	52.507		
13,600.00	7,001.00	17,140.00	7,404.68	183.49	269.49	-117.01	-6,928.12	-14,177.26	7,491.97	7,347.51	144.47	51.859		
13,700.00	7,001.00	17,140.00	7,404.68	185.47	269.49	-117.01	-6,928.12	-14,177.26	7,392.77	7,248.41	144.36	51.210		
13,800.00	7,001.00	17,140.00	7,404.68	187.47	269.49	-117.01	-6,928.12	-14,177.26	7,293.60	7,149.34	144.25	50.560		
13,900.00	7,001.00	17,140.00	7,404.68	189.49	269.49	-117.01	-6,928.12	-14,177.26	7,194.44	7,050.29	144.15	49.910		
14,000.00	7,001.00	17,140.00	7,404.68	191.53	269.49	-117.01	-6,928.12	-14,177.26	7,095.31	6,951.27	144.04	49.259		
14,100.00	7,001.00	17,140.00	7,404.68	193.58	269.49	-117.01	-6,928.12	-14,177.26	6,996.20	6,852.27	143.93	48.608		
14,200.00	7,001.00	17,140.00	7,404.68	195.66	269.49	-117.01	-6,928.12	-14,177.26	6,897.12	6,753.30	143.82	47.955		
14,300.00	7,001.00	17,140.00	7,404.68	197.75	269.49	-117.01	-6,928.12	-14,177.26	6,798.07	6,654.35	143.71	47.302		
14,400.00	7,001.00	17,140.00	7,404.68	199.85	269.49	-117.01	-6,928.12	-14,177.26	6,699.04	6,555.43	143.61	46.649		
14,500.00	7,001.00	17,140.00	7,404.68	201.98	269.49	-117.01	-6,928.12	-14,177.26	6,600.04	6,456.54	143.50	45.994		
14,600.00	7,001.00	17,140.00	7,404.68	204.12	269.49	-117.01	-6,928.12	-14,177.26	6,501.08	6,357.69	143.39	45.339		
14,700.00	7,001.00	17,140.00	7,404.68	206.27	269.49	-117.01	-6,928.12	-14,177.26	6,402.14	6,258.86	143.28	44.682		
14,800.00	7,001.00	17,140.00	7,404.68	208.45	269.49	-117.01	-6,928.12	-14,177.26	6,303.24	6,160.07	143.17	44.025		
14,900.00	7,001.00	17,140.00	7,404.68	210.63	269.49	-117.01	-6,928.12	-14,177.26	6,204.38	6,061.31	143.07	43.367		
15,000.00	7,001.00	17,140.00	7,404.68	212.83	269.49	-117.01	-6,928.12	-14,177.26	6,105.55	5,962.59	142.96	42.708		
15,100.00	7,001.00	17,140.00	7,404.68	215.04	269.49	-117.01	-6,928.12	-14,177.26	6,006.76	5,863.90	142.86	42.047		
15,200.00	7,001.00	17,140.00	7,404.68	217.27	269.49	-117.01	-6,928.12	-14,177.26	5,908.01	5,765.26	142.75	41.386		
15,300.00	7,001.00	17,140.00	7,404.68	219.51	269.49	-117.01	-6,928.12	-14,177.26	5,809.30	5,666.65	142.65	40.723		
15,400.00	7,001.00	17,140.00	7,404.68	221.76	269.49	-117.01	-6,928.12	-14,177.26	5,710.64	5,568.09	142.55	40.060		
15,500.00	7,001.00	17,140.00	7,404.68	224.02	269.49	-117.01	-6,928.12	-14,177.26	5,612.03	5,469.57	142.46	39.395		
15,600.00	7,001.00	17,140.00	7,404.68	226.30	269.49	-117.01	-6,928.12	-14,177.26	5,513.47	5,371.10	142.36	38.728		
15,700.00	7,001.00	17,140.00	7,404.68	228.58	269.49	-117.01	-6,928.12	-14,177.26	5,414.96	5,272.68	142.27	38.061		
15,800.00	7,001.00	17,140.00	7,404.68	230.88	269.49	-117.01	-6,928.12	-14,177.26	5,316.50	5,174.31	142.19	37.391		
15,900.00	7,001.00	17,140.00	7,404.68	233.19	269.49	-117.01	-6,928.12	-14,177.26	5,218.10	5,076.00	142.10	36.720		
16,000.00	7,001.00	17,140.00	7,404.68	235.50	269.49	-117.01	-6,928.12	-14,177.26	5,119.77	4,977.74	142.03	36.047		
16,100.00	7,001.00	17,140.00	7,404.68	237.83	269.49	-117.01	-6,928.12	-14,177.26	5,021.50	4,879.54	141.96	35.373		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1652-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,200.00	7,001.00	17,140.00	7,404.68	240.17	269.49	-117.01	-6,928.12	-14,177.26	4,923.30	4,781.40	141.90	34.696		
16,300.00	7,001.00	17,140.00	7,404.68	242.52	269.49	-117.01	-6,928.12	-14,177.26	4,825.18	4,683.33	141.85	34.017		
16,400.00	7,001.00	17,140.00	7,404.68	244.87	269.49	-117.01	-6,928.12	-14,177.26	4,727.13	4,585.33	141.80	33.336		
16,500.00	7,001.00	17,140.00	7,404.68	247.24	269.49	-117.01	-6,928.12	-14,177.26	4,629.17	4,487.39	141.77	32.652		
16,600.00	7,001.00	17,140.00	7,404.68	249.61	269.49	-117.01	-6,928.12	-14,177.26	4,531.29	4,389.54	141.76	31.965		
16,700.00	7,001.00	17,140.00	7,404.68	251.99	269.49	-117.01	-6,928.12	-14,177.26	4,433.52	4,291.76	141.76	31.275		
16,800.00	7,001.00	17,140.00	7,404.68	254.38	269.49	-117.01	-6,928.12	-14,177.26	4,335.84	4,194.06	141.78	30.582		
16,900.00	7,001.00	17,140.00	7,404.68	256.78	269.49	-117.01	-6,928.12	-14,177.26	4,238.27	4,096.45	141.82	29.885		
17,000.00	7,001.00	17,140.00	7,404.68	259.18	269.49	-117.01	-6,928.12	-14,177.26	4,140.82	3,998.93	141.89	29.184		
17,100.00	7,001.00	17,140.00	7,404.68	261.59	269.49	-117.01	-6,928.12	-14,177.26	4,043.49	3,901.50	141.98	28.479		
17,200.00	7,001.00	17,140.00	7,404.68	264.01	269.49	-117.01	-6,928.12	-14,177.26	3,946.29	3,804.18	142.12	27.768		
17,300.00	7,001.00	17,140.00	7,404.68	266.44	269.49	-117.01	-6,928.12	-14,177.26	3,849.24	3,706.95	142.29	27.052		
17,400.00	7,001.00	17,140.00	7,404.68	268.87	269.49	-117.01	-6,928.12	-14,177.26	3,752.34	3,609.83	142.51	26.330		
17,500.00	7,001.00	17,140.00	7,404.68	271.31	269.49	-117.01	-6,928.12	-14,177.26	3,655.61	3,512.82	142.79	25.600		
17,600.00	7,001.00	17,140.00	7,404.68	273.75	269.49	-117.01	-6,928.12	-14,177.26	3,559.07	3,415.92	143.14	24.863		
17,700.00	7,001.00	17,140.00	7,404.68	276.20	269.49	-117.01	-6,928.12	-14,177.26	3,462.71	3,319.14	143.58	24.118		
17,800.00	7,001.00	17,140.00	7,404.68	278.66	269.49	-117.01	-6,928.12	-14,177.26	3,366.57	3,222.47	144.11	23.362		
17,900.00	7,001.00	17,140.00	7,404.68	281.12	269.49	-117.01	-6,928.12	-14,177.26	3,270.66	3,125.91	144.75	22.595		
18,000.00	7,001.00	17,140.00	7,404.68	283.59	269.49	-118.59	-6,928.12	-14,177.26	3,174.89	3,029.37	145.52	21.818		
18,100.00	7,001.00	17,140.00	7,404.68	286.09	269.49	-122.19	-6,928.12	-14,177.26	3,078.62	2,932.30	146.32	21.040		
18,200.00	7,001.00	17,140.00	7,404.68	288.62	269.49	-126.48	-6,928.12	-14,177.26	2,981.80	2,834.68	147.13	20.267		
18,300.00	7,001.00	17,140.00	7,404.68	291.16	269.49	-126.48	-6,928.12	-14,177.26	2,884.84	2,736.86	147.98	19.494		
18,400.00	7,001.00	17,140.00	7,404.68	293.71	269.49	-126.48	-6,928.12	-14,177.26	2,788.10	2,639.11	148.99	18.713		
18,500.00	7,001.00	17,140.00	7,404.68	296.26	269.49	-126.48	-6,928.12	-14,177.26	2,691.59	2,541.41	150.18	17.922		
18,600.00	7,001.00	17,140.00	7,404.68	298.81	269.49	-126.48	-6,928.12	-14,177.26	2,595.35	2,443.76	151.59	17.121		
18,700.00	7,001.00	17,140.00	7,404.68	301.36	269.49	-126.48	-6,928.12	-14,177.26	2,499.40	2,346.14	153.26	16.308		
18,800.00	7,001.00	17,140.00	7,404.68	303.92	269.49	-126.48	-6,928.12	-14,177.26	2,403.78	2,248.54	155.25	15.483		
18,900.00	7,001.00	17,140.00	7,404.68	306.48	269.49	-126.48	-6,928.12	-14,177.26	2,308.54	2,150.92	157.62	14.647		
19,000.00	7,001.00	17,140.00	7,404.68	309.04	269.49	-126.48	-6,928.12	-14,177.26	2,213.71	2,053.27	160.44	13.797		
19,100.00	7,001.00	17,140.00	7,404.68	311.61	269.49	-126.48	-6,928.12	-14,177.26	2,119.36	1,955.54	163.82	12.937		
19,200.00	7,001.00	17,140.00	7,404.68	314.18	269.49	-126.48	-6,928.12	-14,177.26	2,025.55	1,857.69	167.86	12.067		
19,300.00	7,001.00	17,140.00	7,404.68	316.75	269.49	-126.48	-6,928.12	-14,177.26	1,932.36	1,759.67	172.69	11.190		
19,400.00	7,001.00	17,140.00	7,404.68	319.32	269.49	-126.48	-6,928.12	-14,177.26	1,839.89	1,661.44	178.45	10.310		
19,500.00	7,001.00	17,140.00	7,404.68	321.90	269.49	-126.48	-6,928.12	-14,177.26	1,748.25	1,562.94	185.31	9.434		
19,600.00	7,001.00	17,140.00	7,404.68	324.48	269.49	-126.48	-6,928.12	-14,177.26	1,657.57	1,464.14	193.43	8.569		
19,700.00	7,001.00	17,140.00	7,404.68	327.05	269.49	-124.97	-6,928.12	-14,177.26	1,568.32	1,365.10	203.22	7.717		
19,800.00	7,001.00	17,140.00	7,404.68	329.62	269.49	-123.04	-6,928.12	-14,177.26	1,481.80	1,266.13	215.67	6.871		
19,900.00	7,001.00	17,140.00	7,404.68	332.16	269.49	-121.59	-6,928.12	-14,177.26	1,398.71	1,167.44	231.28	6.048		
20,000.00	7,001.00	17,140.00	7,404.68	334.70	269.49	-121.59	-6,928.12	-14,177.26	1,318.71	1,068.95	249.76	5.280		
20,100.00	7,001.00	17,140.00	7,404.68	337.24	269.49	-121.59	-6,928.12	-14,177.26	1,241.61	970.74	270.87	4.584		
20,200.00	7,001.00	17,140.00	7,404.68	339.79	269.49	-121.59	-6,928.12	-14,177.26	1,167.99	873.30	294.68	3.964		
20,300.00	7,001.00	17,140.00	7,404.68	342.34	269.49	-121.59	-6,928.12	-14,177.26	1,098.54	777.34	321.20	3.420		
20,400.00	7,001.00	17,140.00	7,404.68	344.89	269.49	-121.59	-6,928.12	-14,177.26	1,034.11	683.87	350.24	2.953		
20,500.00	7,001.00	17,140.00	7,404.68	347.44	269.49	-121.59	-6,928.12	-14,177.26	975.70	594.33	381.37	2.558		
20,600.00	7,001.00	17,140.00	7,404.68	350.00	269.49	-121.59	-6,928.12	-14,177.26	924.44	510.68	413.76	2.234		
20,683.43	7,001.00	17,140.00	7,404.68	351.63	269.49	-121.59	-6,928.12	-14,177.26	888.05	448.07	439.98	2.018	CC, ES, SF	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1655-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,000.00	7,001.00	16,920.00	7,238.92	140.95	269.68	-104.51	-7,099.38	-14,171.61	10,080.91	9,931.17	149.73	67.326		
11,100.00	7,001.00	16,920.00	7,238.92	142.22	269.68	-104.51	-7,099.38	-14,171.61	9,981.45	9,831.79	149.65	66.698		
11,200.00	7,001.00	16,920.00	7,238.92	143.52	269.68	-104.51	-7,099.38	-14,171.61	9,882.00	9,732.43	149.57	66.070		
11,300.00	7,001.00	16,920.00	7,238.92	144.85	269.68	-104.51	-7,099.38	-14,171.61	9,782.56	9,633.08	149.48	65.442		
11,400.00	7,001.00	16,920.00	7,238.92	146.21	269.68	-104.51	-7,099.38	-14,171.61	9,683.13	9,533.73	149.40	64.813		
11,500.00	7,001.00	16,920.00	7,238.92	147.61	269.68	-104.51	-7,099.38	-14,171.61	9,583.72	9,434.40	149.32	64.184		
11,600.00	7,001.00	16,920.00	7,238.92	149.03	269.68	-104.51	-7,099.38	-14,171.61	9,484.32	9,335.09	149.23	63.554		
11,700.00	7,001.00	16,920.00	7,238.92	150.49	269.68	-104.51	-7,099.38	-14,171.61	9,384.93	9,235.78	149.15	62.924		
11,800.00	7,001.00	16,920.00	7,238.92	151.98	269.68	-104.51	-7,099.38	-14,171.61	9,285.55	9,136.49	149.06	62.294		
11,900.00	7,001.00	16,920.00	7,238.92	153.50	269.68	-104.51	-7,099.38	-14,171.61	9,186.19	9,037.22	148.97	61.663		
12,000.00	7,001.00	16,920.00	7,238.92	155.05	269.68	-104.51	-7,099.38	-14,171.61	9,086.84	8,937.95	148.89	61.031		
12,100.00	7,001.00	16,920.00	7,238.92	156.62	269.68	-104.51	-7,099.38	-14,171.61	8,987.51	8,838.71	148.80	60.399		
12,200.00	7,001.00	16,920.00	7,238.92	158.23	269.68	-104.51	-7,099.38	-14,171.61	8,888.19	8,739.48	148.71	59.767		
12,300.00	7,001.00	16,920.00	7,238.92	159.87	269.68	-104.51	-7,099.38	-14,171.61	8,788.89	8,640.26	148.63	59.134		
12,400.00	7,001.00	16,920.00	7,238.92	161.53	269.68	-104.51	-7,099.38	-14,171.61	8,689.60	8,541.06	148.54	58.501		
12,500.00	7,001.00	16,920.00	7,238.92	163.22	269.68	-104.51	-7,099.38	-14,171.61	8,590.33	8,441.88	148.45	57.867		
12,600.00	7,001.00	16,920.00	7,238.92	164.94	269.68	-104.51	-7,099.38	-14,171.61	8,491.08	8,342.71	148.36	57.232		
12,700.00	7,001.00	16,920.00	7,238.92	166.69	269.68	-104.51	-7,099.38	-14,171.61	8,391.84	8,243.57	148.27	56.597		
12,800.00	7,001.00	16,920.00	7,238.92	168.46	269.68	-104.51	-7,099.38	-14,171.61	8,292.62	8,144.44	148.18	55.961		
12,900.00	7,001.00	16,920.00	7,238.92	170.26	269.68	-104.51	-7,099.38	-14,171.61	8,193.42	8,045.33	148.10	55.325		
13,000.00	7,001.00	16,920.00	7,238.92	172.08	269.68	-104.51	-7,099.38	-14,171.61	8,094.24	7,946.24	148.01	54.688		
13,100.00	7,001.00	16,920.00	7,238.92	173.92	269.68	-104.51	-7,099.38	-14,171.61	7,995.09	7,847.17	147.92	54.051		
13,200.00	7,001.00	16,920.00	7,238.92	175.79	269.68	-104.51	-7,099.38	-14,171.61	7,895.95	7,748.12	147.83	53.413		
13,300.00	7,001.00	16,920.00	7,238.92	177.68	269.68	-104.51	-7,099.38	-14,171.61	7,796.83	7,649.09	147.74	52.774		
13,400.00	7,001.00	16,920.00	7,238.92	179.60	269.68	-104.51	-7,099.38	-14,171.61	7,697.74	7,550.09	147.65	52.135		
13,500.00	7,001.00	16,920.00	7,238.92	181.53	269.68	-104.51	-7,099.38	-14,171.61	7,598.67	7,451.11	147.56	51.494		
13,600.00	7,001.00	16,920.00	7,238.92	183.49	269.68	-104.51	-7,099.38	-14,171.61	7,499.63	7,352.15	147.47	50.854		
13,700.00	7,001.00	16,920.00	7,238.92	185.47	269.68	-104.51	-7,099.38	-14,171.61	7,400.61	7,253.22	147.39	50.212		
13,800.00	7,001.00	16,920.00	7,238.92	187.47	269.68	-104.51	-7,099.38	-14,171.61	7,301.62	7,154.32	147.30	49.570		
13,900.00	7,001.00	16,920.00	7,238.92	189.49	269.68	-104.51	-7,099.38	-14,171.61	7,202.65	7,055.44	147.21	48.926		
14,000.00	7,001.00	16,920.00	7,238.92	191.53	269.68	-104.51	-7,099.38	-14,171.61	7,103.72	6,956.59	147.13	48.282		
14,100.00	7,001.00	16,920.00	7,238.92	193.58	269.68	-104.51	-7,099.38	-14,171.61	7,004.82	6,857.77	147.04	47.637		
14,200.00	7,001.00	16,920.00	7,238.92	195.66	269.68	-104.51	-7,099.38	-14,171.61	6,905.94	6,758.98	146.96	46.992		
14,300.00	7,001.00	16,920.00	7,238.92	197.75	269.68	-104.51	-7,099.38	-14,171.61	6,807.10	6,660.22	146.88	46.345		
14,400.00	7,001.00	16,920.00	7,238.92	199.85	269.68	-104.51	-7,099.38	-14,171.61	6,708.30	6,561.50	146.80	45.697		
14,500.00	7,001.00	16,920.00	7,238.92	201.98	269.68	-104.51	-7,099.38	-14,171.61	6,609.53	6,462.81	146.72	45.048		
14,600.00	7,001.00	16,920.00	7,238.92	204.12	269.68	-104.51	-7,099.38	-14,171.61	6,510.80	6,364.15	146.65	44.398		
14,700.00	7,001.00	16,920.00	7,238.92	206.27	269.68	-104.51	-7,099.38	-14,171.61	6,412.10	6,265.53	146.57	43.747		
14,800.00	7,001.00	16,920.00	7,238.92	208.45	269.68	-104.51	-7,099.38	-14,171.61	6,313.45	6,166.95	146.50	43.095		
14,900.00	7,001.00	16,920.00	7,238.92	210.63	269.68	-104.51	-7,099.38	-14,171.61	6,214.84	6,068.41	146.43	42.441		
15,000.00	7,001.00	16,920.00	7,238.92	212.83	269.68	-104.51	-7,099.38	-14,171.61	6,116.28	5,969.91	146.37	41.786		
15,100.00	7,001.00	16,920.00	7,238.92	215.04	269.68	-104.51	-7,099.38	-14,171.61	6,017.77	5,871.45	146.31	41.130		
15,200.00	7,001.00	16,920.00	7,238.92	217.27	269.68	-104.51	-7,099.38	-14,171.61	5,919.30	5,773.04	146.26	40.472		
15,300.00	7,001.00	16,920.00	7,238.92	219.51	269.68	-104.51	-7,099.38	-14,171.61	5,820.89	5,674.68	146.21	39.812		
15,400.00	7,001.00	16,920.00	7,238.92	221.76	269.68	-104.51	-7,099.38	-14,171.61	5,722.53	5,576.36	146.17	39.151		
15,500.00	7,001.00	16,920.00	7,238.92	224.02	269.68	-104.51	-7,099.38	-14,171.61	5,624.23	5,478.10	146.13	38.487		
15,600.00	7,001.00	16,920.00	7,238.92	226.30	269.68	-104.51	-7,099.38	-14,171.61	5,525.99	5,379.88	146.10	37.822		
15,700.00	7,001.00	16,920.00	7,238.92	228.58	269.68	-104.51	-7,099.38	-14,171.61	5,427.81	5,281.73	146.09	37.155		
15,800.00	7,001.00	16,920.00	7,238.92	230.88	269.68	-104.51	-7,099.38	-14,171.61	5,329.70	5,183.63	146.08	36.485		
15,900.00	7,001.00	16,920.00	7,238.92	233.19	269.68	-104.51	-7,099.38	-14,171.61	5,231.67	5,085.59	146.08	35.813		
16,000.00	7,001.00	16,920.00	7,238.92	235.50	269.68	-104.51	-7,099.38	-14,171.61	5,133.71	4,987.61	146.10	35.139		
16,100.00	7,001.00	16,920.00	7,238.92	237.83	269.68	-104.51	-7,099.38	-14,171.61	5,035.83	4,889.70	146.13	34.461		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1655-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,200.00	7,001.00	16,920.00	7,238.92	240.17	269.68	-104.51	-7,099.38	-14,171.61	4,938.03	4,791.85	146.18	33.780		
16,300.00	7,001.00	16,920.00	7,238.92	242.52	269.68	-104.51	-7,099.38	-14,171.61	4,840.33	4,694.08	146.25	33.096		
16,400.00	7,001.00	16,920.00	7,238.92	244.87	269.68	-104.51	-7,099.38	-14,171.61	4,742.72	4,596.38	146.34	32.409		
16,500.00	7,001.00	16,920.00	7,238.92	247.24	269.68	-104.51	-7,099.38	-14,171.61	4,645.21	4,498.75	146.46	31.717		
16,600.00	7,001.00	16,920.00	7,238.92	249.61	269.68	-104.51	-7,099.38	-14,171.61	4,547.81	4,401.21	146.61	31.020		
16,700.00	7,001.00	16,920.00	7,238.92	251.99	269.68	-104.51	-7,099.38	-14,171.61	4,450.53	4,303.74	146.79	30.319		
16,800.00	7,001.00	16,920.00	7,238.92	254.38	269.68	-104.51	-7,099.38	-14,171.61	4,353.37	4,206.36	147.01	29.613		
16,900.00	7,001.00	16,920.00	7,238.92	256.78	269.68	-104.51	-7,099.38	-14,171.61	4,256.34	4,109.06	147.28	28.900		
17,000.00	7,001.00	16,920.00	7,238.92	259.18	269.68	-104.51	-7,099.38	-14,171.61	4,159.45	4,011.86	147.59	28.182		
17,100.00	7,001.00	16,920.00	7,238.92	261.59	269.68	-104.51	-7,099.38	-14,171.61	4,062.71	3,914.74	147.97	27.456		
17,200.00	7,001.00	16,920.00	7,238.92	264.01	269.68	-104.51	-7,099.38	-14,171.61	3,966.14	3,817.71	148.42	26.722		
17,300.00	7,001.00	16,920.00	7,238.92	266.44	269.68	-104.51	-7,099.38	-14,171.61	3,869.73	3,720.78	148.96	25.979		
17,400.00	7,001.00	16,920.00	7,238.92	268.87	269.68	-104.51	-7,099.38	-14,171.61	3,773.52	3,623.94	149.58	25.227		
17,500.00	7,001.00	16,920.00	7,238.92	271.31	269.68	-104.51	-7,099.38	-14,171.61	3,677.51	3,527.18	150.32	24.464		
17,600.00	7,001.00	16,920.00	7,238.92	273.75	269.68	-104.51	-7,099.38	-14,171.61	3,581.71	3,430.52	151.19	23.689		
17,700.00	7,001.00	16,920.00	7,238.92	276.20	269.68	-104.51	-7,099.38	-14,171.61	3,486.15	3,333.93	152.22	22.902		
17,800.00	7,001.00	16,920.00	7,238.92	278.66	269.68	-104.51	-7,099.38	-14,171.61	3,390.85	3,237.43	153.43	22.101		
17,900.00	7,001.00	16,920.00	7,238.92	281.12	269.68	-104.51	-7,099.38	-14,171.61	3,295.83	3,140.98	154.84	21.285		
18,000.00	7,001.00	16,920.00	7,238.92	283.59	269.68	-105.29	-7,099.38	-14,171.61	3,200.97	3,044.48	156.49	20.455		
18,100.00	7,001.00	16,920.00	7,238.92	286.09	269.68	-107.08	-7,099.38	-14,171.61	3,105.50	2,947.29	158.22	19.628		
18,200.00	7,001.00	16,920.00	7,238.92	288.62	269.68	-109.23	-7,099.38	-14,171.61	3,009.35	2,849.37	159.98	18.811		
18,300.00	7,001.00	16,920.00	7,238.92	291.16	269.68	-109.23	-7,099.38	-14,171.61	2,913.00	2,751.13	161.87	17.996		
18,400.00	7,001.00	16,920.00	7,238.92	293.71	269.68	-109.23	-7,099.38	-14,171.61	2,816.90	2,652.85	164.05	17.171		
18,500.00	7,001.00	16,920.00	7,238.92	296.26	269.68	-109.23	-7,099.38	-14,171.61	2,721.08	2,554.51	166.57	16.336		
18,600.00	7,001.00	16,920.00	7,238.92	298.81	269.68	-109.23	-7,099.38	-14,171.61	2,625.58	2,456.10	169.47	15.493		
18,700.00	7,001.00	16,920.00	7,238.92	301.36	269.68	-109.23	-7,099.38	-14,171.61	2,530.42	2,357.59	172.83	14.641		
18,800.00	7,001.00	16,920.00	7,238.92	303.92	269.68	-109.23	-7,099.38	-14,171.61	2,435.65	2,258.95	176.70	13.784		
18,900.00	7,001.00	16,920.00	7,238.92	306.48	269.68	-109.23	-7,099.38	-14,171.61	2,341.31	2,160.13	181.18	12.923		
19,000.00	7,001.00	16,920.00	7,238.92	309.04	269.68	-109.23	-7,099.38	-14,171.61	2,247.47	2,061.12	186.35	12.061		
19,100.00	7,001.00	16,920.00	7,238.92	311.61	269.68	-109.23	-7,099.38	-14,171.61	2,154.18	1,961.88	192.30	11.202		
19,200.00	7,001.00	16,920.00	7,238.92	314.18	269.68	-109.23	-7,099.38	-14,171.61	2,061.52	1,862.38	199.14	10.352		
19,300.00	7,001.00	16,920.00	7,238.92	316.75	269.68	-109.23	-7,099.38	-14,171.61	1,969.58	1,762.58	207.00	9.515		
19,400.00	7,001.00	16,920.00	7,238.92	319.32	269.68	-109.23	-7,099.38	-14,171.61	1,878.46	1,662.47	215.98	8.697		
19,500.00	7,001.00	16,920.00	7,238.92	321.90	269.68	-109.23	-7,099.38	-14,171.61	1,788.29	1,562.04	226.24	7.904		
19,600.00	7,001.00	16,920.00	7,238.92	324.48	269.68	-109.23	-7,099.38	-14,171.61	1,699.22	1,461.29	237.92	7.142		
19,700.00	7,001.00	16,920.00	7,238.92	327.05	269.68	-108.47	-7,099.38	-14,171.61	1,611.79	1,360.40	251.39	6.411		
19,800.00	7,001.00	16,920.00	7,238.92	329.62	269.68	-107.50	-7,099.38	-14,171.61	1,527.60	1,260.02	267.58	5.709		
19,900.00	7,001.00	16,920.00	7,238.92	332.16	269.68	-106.78	-7,099.38	-14,171.61	1,447.42	1,160.62	286.80	5.047		
20,000.00	7,001.00	16,920.00	7,238.92	334.70	269.68	-106.78	-7,099.38	-14,171.61	1,370.73	1,062.06	308.66	4.441		
20,100.00	7,001.00	16,920.00	7,238.92	337.24	269.68	-106.78	-7,099.38	-14,171.61	1,297.21	964.39	332.82	3.898		
20,200.00	7,001.00	16,920.00	7,238.92	339.79	269.68	-106.78	-7,099.38	-14,171.61	1,227.45	868.17	359.28	3.416		
20,300.00	7,001.00	16,920.00	7,238.92	342.34	269.68	-106.78	-7,099.38	-14,171.61	1,162.11	774.21	387.89	2.996		
20,400.00	7,001.00	16,920.00	7,238.92	344.89	269.68	-106.78	-7,099.38	-14,171.61	1,101.98	683.64	418.34	2.634		
20,500.00	7,001.00	16,920.00	7,238.92	347.44	269.68	-106.78	-7,099.38	-14,171.61	1,047.96	597.91	450.05	2.329		
20,600.00	7,001.00	16,920.00	7,238.92	350.00	269.68	-106.78	-7,099.38	-14,171.61	1,001.05	518.92	482.12	2.076		
20,683.43	7,001.00	16,920.00	7,238.92	351.63	269.68	-106.78	-7,099.38	-14,171.61	968.09	460.70	507.39	1.908 CC, ES, SF		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1656-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,000.00	7,001.00	17,070.00	7,159.63	140.95	269.63	-97.55	-7,461.68	-14,148.26	10,098.21	9,939.92	158.29	63.794		
11,100.00	7,001.00	17,070.00	7,159.63	142.22	269.63	-97.55	-7,461.68	-14,148.26	9,999.16	9,840.96	158.21	63.204		
11,200.00	7,001.00	17,070.00	7,159.63	143.52	269.63	-97.55	-7,461.68	-14,148.26	9,900.13	9,742.02	158.12	62.613		
11,300.00	7,001.00	17,070.00	7,159.63	144.85	269.63	-97.55	-7,461.68	-14,148.26	9,801.12	9,643.09	158.03	62.021		
11,400.00	7,001.00	17,070.00	7,159.63	146.21	269.63	-97.55	-7,461.68	-14,148.26	9,702.13	9,544.19	157.94	61.429		
11,500.00	7,001.00	17,070.00	7,159.63	147.61	269.63	-97.55	-7,461.68	-14,148.26	9,603.16	9,445.31	157.85	60.837		
11,600.00	7,001.00	17,070.00	7,159.63	149.03	269.63	-97.55	-7,461.68	-14,148.26	9,504.22	9,346.46	157.76	60.244		
11,700.00	7,001.00	17,070.00	7,159.63	150.49	269.63	-97.55	-7,461.68	-14,148.26	9,405.29	9,247.62	157.67	59.651		
11,800.00	7,001.00	17,070.00	7,159.63	151.98	269.63	-97.55	-7,461.68	-14,148.26	9,306.39	9,148.81	157.58	59.057		
11,900.00	7,001.00	17,070.00	7,159.63	153.50	269.63	-97.55	-7,461.68	-14,148.26	9,207.51	9,050.02	157.49	58.462		
12,000.00	7,001.00	17,070.00	7,159.63	155.05	269.63	-97.55	-7,461.68	-14,148.26	9,108.66	8,951.25	157.41	57.867		
12,100.00	7,001.00	17,070.00	7,159.63	156.62	269.63	-97.55	-7,461.68	-14,148.26	9,009.83	8,852.51	157.32	57.272		
12,200.00	7,001.00	17,070.00	7,159.63	158.23	269.63	-97.55	-7,461.68	-14,148.26	8,911.03	8,753.80	157.23	56.676		
12,300.00	7,001.00	17,070.00	7,159.63	159.87	269.63	-97.55	-7,461.68	-14,148.26	8,812.25	8,655.11	157.14	56.079		
12,400.00	7,001.00	17,070.00	7,159.63	161.53	269.63	-97.55	-7,461.68	-14,148.26	8,713.50	8,556.45	157.05	55.481		
12,500.00	7,001.00	17,070.00	7,159.63	163.22	269.63	-97.55	-7,461.68	-14,148.26	8,614.78	8,457.82	156.97	54.883		
12,600.00	7,001.00	17,070.00	7,159.63	164.94	269.63	-97.55	-7,461.68	-14,148.26	8,516.09	8,359.22	156.88	54.285		
12,700.00	7,001.00	17,070.00	7,159.63	166.69	269.63	-97.55	-7,461.68	-14,148.26	8,417.44	8,260.64	156.79	53.685		
12,800.00	7,001.00	17,070.00	7,159.63	168.46	269.63	-97.55	-7,461.68	-14,148.26	8,318.81	8,162.10	156.71	53.085		
12,900.00	7,001.00	17,070.00	7,159.63	170.26	269.63	-97.55	-7,461.68	-14,148.26	8,220.22	8,063.60	156.62	52.484		
13,000.00	7,001.00	17,070.00	7,159.63	172.08	269.63	-97.55	-7,461.68	-14,148.26	8,121.66	7,965.12	156.54	51.882		
13,100.00	7,001.00	17,070.00	7,159.63	173.92	269.63	-97.55	-7,461.68	-14,148.26	8,023.14	7,866.68	156.46	51.280		
13,200.00	7,001.00	17,070.00	7,159.63	175.79	269.63	-97.55	-7,461.68	-14,148.26	7,924.65	7,768.27	156.38	50.676		
13,300.00	7,001.00	17,070.00	7,159.63	177.68	269.63	-97.55	-7,461.68	-14,148.26	7,826.20	7,669.91	156.30	50.072		
13,400.00	7,001.00	17,070.00	7,159.63	179.60	269.63	-97.55	-7,461.68	-14,148.26	7,727.80	7,571.58	156.22	49.467		
13,500.00	7,001.00	17,070.00	7,159.63	181.53	269.63	-97.55	-7,461.68	-14,148.26	7,629.43	7,473.28	156.15	48.861		
13,600.00	7,001.00	17,070.00	7,159.63	183.49	269.63	-97.55	-7,461.68	-14,148.26	7,531.11	7,375.03	156.07	48.253		
13,700.00	7,001.00	17,070.00	7,159.63	185.47	269.63	-97.55	-7,461.68	-14,148.26	7,432.83	7,276.83	156.00	47.645		
13,800.00	7,001.00	17,070.00	7,159.63	187.47	269.63	-97.55	-7,461.68	-14,148.26	7,334.60	7,178.66	155.94	47.035		
13,900.00	7,001.00	17,070.00	7,159.63	189.49	269.63	-97.55	-7,461.68	-14,148.26	7,236.42	7,080.54	155.87	46.425		
14,000.00	7,001.00	17,070.00	7,159.63	191.53	269.63	-97.55	-7,461.68	-14,148.26	7,138.28	6,982.47	155.82	45.812		
14,100.00	7,001.00	17,070.00	7,159.63	193.58	269.63	-97.55	-7,461.68	-14,148.26	7,040.20	6,884.44	155.76	45.199		
14,200.00	7,001.00	17,070.00	7,159.63	195.66	269.63	-97.55	-7,461.68	-14,148.26	6,942.18	6,786.47	155.71	44.584		
14,300.00	7,001.00	17,070.00	7,159.63	197.75	269.63	-97.55	-7,461.68	-14,148.26	6,844.21	6,688.55	155.66	43.968		
14,400.00	7,001.00	17,070.00	7,159.63	199.85	269.63	-97.55	-7,461.68	-14,148.26	6,746.30	6,590.68	155.63	43.350		
14,500.00	7,001.00	17,070.00	7,159.63	201.98	269.63	-97.55	-7,461.68	-14,148.26	6,648.46	6,492.86	155.59	42.730		
14,600.00	7,001.00	17,070.00	7,159.63	204.12	269.63	-97.55	-7,461.68	-14,148.26	6,550.67	6,395.11	155.57	42.108		
14,700.00	7,001.00	17,070.00	7,159.63	206.27	269.63	-97.55	-7,461.68	-14,148.26	6,452.96	6,297.41	155.55	41.484		
14,800.00	7,001.00	17,070.00	7,159.63	208.45	269.63	-97.55	-7,461.68	-14,148.26	6,355.32	6,199.77	155.54	40.859		
14,900.00	7,001.00	17,070.00	7,159.63	210.63	269.63	-97.55	-7,461.68	-14,148.26	6,257.75	6,102.20	155.55	40.231		
15,000.00	7,001.00	17,070.00	7,159.63	212.83	269.63	-97.55	-7,461.68	-14,148.26	6,160.26	6,004.70	155.56	39.600		
15,100.00	7,001.00	17,070.00	7,159.63	215.04	269.63	-97.55	-7,461.68	-14,148.26	6,062.85	5,907.26	155.59	38.967		
15,200.00	7,001.00	17,070.00	7,159.63	217.27	269.63	-97.55	-7,461.68	-14,148.26	5,965.53	5,809.90	155.63	38.331		
15,300.00	7,001.00	17,070.00	7,159.63	219.51	269.63	-97.55	-7,461.68	-14,148.26	5,868.30	5,712.61	155.69	37.691		
15,400.00	7,001.00	17,070.00	7,159.63	221.76	269.63	-97.55	-7,461.68	-14,148.26	5,771.16	5,615.39	155.77	37.049		
15,500.00	7,001.00	17,070.00	7,159.63	224.02	269.63	-97.55	-7,461.68	-14,148.26	5,674.12	5,518.25	155.87	36.403		
15,600.00	7,001.00	17,070.00	7,159.63	226.30	269.63	-97.55	-7,461.68	-14,148.26	5,577.19	5,421.20	155.99	35.753		
15,700.00	7,001.00	17,070.00	7,159.63	228.58	269.63	-97.55	-7,461.68	-14,148.26	5,480.37	5,324.23	156.14	35.099		
15,800.00	7,001.00	17,070.00	7,159.63	230.88	269.63	-97.55	-7,461.68	-14,148.26	5,383.66	5,227.34	156.32	34.440		
15,900.00	7,001.00	17,070.00	7,159.63	233.19	269.63	-97.55	-7,461.68	-14,148.26	5,287.08	5,130.54	156.53	33.776		
16,000.00	7,001.00	17,070.00	7,159.63	235.50	269.63	-97.55	-7,461.68	-14,148.26	5,190.62	5,033.83	156.79	33.106		
16,100.00	7,001.00	17,070.00	7,159.63	237.83	269.63	-97.55	-7,461.68	-14,148.26	5,094.30	4,937.22	157.08	32.431		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1656-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,200.00	7,001.00	17,070.00	7,159.63	240.17	269.63	-97.55	-7,461.68	-14,148.26	4,998.13	4,840.70	157.43	31.749		
16,300.00	7,001.00	17,070.00	7,159.63	242.52	269.63	-97.55	-7,461.68	-14,148.26	4,902.11	4,744.28	157.83	31.060		
16,400.00	7,001.00	17,070.00	7,159.63	244.87	269.63	-97.55	-7,461.68	-14,148.26	4,806.25	4,647.96	158.29	30.364		
16,500.00	7,001.00	17,070.00	7,159.63	247.24	269.63	-97.55	-7,461.68	-14,148.26	4,710.56	4,551.74	158.83	29.659		
16,600.00	7,001.00	17,070.00	7,159.63	249.61	269.63	-97.55	-7,461.68	-14,148.26	4,615.06	4,455.62	159.44	28.945		
16,700.00	7,001.00	17,070.00	7,159.63	251.99	269.63	-97.55	-7,461.68	-14,148.26	4,519.75	4,359.60	160.16	28.221		
16,800.00	7,001.00	17,070.00	7,159.63	254.38	269.63	-97.55	-7,461.68	-14,148.26	4,424.65	4,263.67	160.98	27.486		
16,900.00	7,001.00	17,070.00	7,159.63	256.78	269.63	-97.55	-7,461.68	-14,148.26	4,329.77	4,167.85	161.92	26.740		
17,000.00	7,001.00	17,070.00	7,159.63	259.18	269.63	-97.55	-7,461.68	-14,148.26	4,235.12	4,072.12	163.00	25.982		
17,100.00	7,001.00	17,070.00	7,159.63	261.59	269.63	-97.55	-7,461.68	-14,148.26	4,140.73	3,976.49	164.24	25.211		
17,200.00	7,001.00	17,070.00	7,159.63	264.01	269.63	-97.55	-7,461.68	-14,148.26	4,046.61	3,880.94	165.67	24.426		
17,300.00	7,001.00	17,070.00	7,159.63	266.44	269.63	-97.55	-7,461.68	-14,148.26	3,952.77	3,785.48	167.30	23.627		
17,400.00	7,001.00	17,070.00	7,159.63	268.87	269.63	-97.55	-7,461.68	-14,148.26	3,859.25	3,690.09	169.16	22.814		
17,500.00	7,001.00	17,070.00	7,159.63	271.31	269.63	-97.55	-7,461.68	-14,148.26	3,766.05	3,594.76	171.29	21.986		
17,600.00	7,001.00	17,070.00	7,159.63	273.75	269.63	-97.55	-7,461.68	-14,148.26	3,673.22	3,499.50	173.72	21.145		
17,700.00	7,001.00	17,070.00	7,159.63	276.20	269.63	-97.55	-7,461.68	-14,148.26	3,580.77	3,404.28	176.48	20.290		
17,800.00	7,001.00	17,070.00	7,159.63	278.66	269.63	-97.55	-7,461.68	-14,148.26	3,488.73	3,309.11	179.62	19.423		
17,900.00	7,001.00	17,070.00	7,159.63	281.12	269.63	-97.55	-7,461.68	-14,148.26	3,397.15	3,213.97	183.18	18.546		
18,000.00	7,001.00	17,070.00	7,159.63	283.59	269.63	-97.85	-7,461.68	-14,148.26	3,305.88	3,118.73	187.15	17.664		
18,100.00	7,001.00	17,070.00	7,159.63	286.09	269.63	-98.52	-7,461.68	-14,148.26	3,213.87	3,022.58	191.29	16.801		
18,200.00	7,001.00	17,070.00	7,159.63	288.62	269.63	-99.28	-7,461.68	-14,148.26	3,121.01	2,925.48	195.53	15.962		
18,300.00	7,001.00	17,070.00	7,159.63	291.16	269.63	-99.28	-7,461.68	-14,148.26	3,027.96	2,827.93	200.03	15.138		
18,400.00	7,001.00	17,070.00	7,159.63	293.71	269.63	-99.28	-7,461.68	-14,148.26	2,935.36	2,730.35	205.01	14.318		
18,500.00	7,001.00	17,070.00	7,159.63	296.26	269.63	-99.28	-7,461.68	-14,148.26	2,843.27	2,632.74	210.53	13.505		
18,600.00	7,001.00	17,070.00	7,159.63	298.81	269.63	-99.28	-7,461.68	-14,148.26	2,751.73	2,535.10	216.63	12.703		
18,700.00	7,001.00	17,070.00	7,159.63	301.36	269.63	-99.28	-7,461.68	-14,148.26	2,660.80	2,437.45	223.35	11.913		
18,800.00	7,001.00	17,070.00	7,159.63	303.92	269.63	-99.28	-7,461.68	-14,148.26	2,570.54	2,339.79	230.75	11.140		
18,900.00	7,001.00	17,070.00	7,159.63	306.48	269.63	-99.28	-7,461.68	-14,148.26	2,481.03	2,242.15	238.88	10.386		
19,000.00	7,001.00	17,070.00	7,159.63	309.04	269.63	-99.28	-7,461.68	-14,148.26	2,392.35	2,144.56	247.79	9.655		
19,100.00	7,001.00	17,070.00	7,159.63	311.61	269.63	-99.28	-7,461.68	-14,148.26	2,304.60	2,047.05	257.55	8.948		
19,200.00	7,001.00	17,070.00	7,159.63	314.18	269.63	-99.28	-7,461.68	-14,148.26	2,217.88	1,949.67	268.21	8.269		
19,300.00	7,001.00	17,070.00	7,159.63	316.75	269.63	-99.28	-7,461.68	-14,148.26	2,132.33	1,852.48	279.85	7.620		
19,400.00	7,001.00	17,070.00	7,159.63	319.32	269.63	-99.28	-7,461.68	-14,148.26	2,048.09	1,755.57	292.52	7.002		
19,500.00	7,001.00	17,070.00	7,159.63	321.90	269.63	-99.28	-7,461.68	-14,148.26	1,965.32	1,659.03	306.29	6.417		
19,600.00	7,001.00	17,070.00	7,159.63	324.48	269.63	-99.28	-7,461.68	-14,148.26	1,884.23	1,563.00	321.22	5.866		
19,700.00	7,001.00	17,070.00	7,159.63	327.05	269.63	-99.02	-7,461.68	-14,148.26	1,805.51	1,467.96	337.55	5.349		
19,800.00	7,001.00	17,070.00	7,159.63	329.62	269.63	-98.68	-7,461.68	-14,148.26	1,731.18	1,375.34	355.85	4.865		
19,900.00	7,001.00	17,070.00	7,159.63	332.16	269.63	-98.42	-7,461.68	-14,148.26	1,662.04	1,285.92	376.12	4.419		
20,000.00	7,001.00	17,070.00	7,159.63	334.70	269.63	-98.42	-7,461.68	-14,148.26	1,597.25	1,199.39	397.86	4.015		
20,100.00	7,001.00	17,070.00	7,159.63	337.24	269.63	-98.42	-7,461.68	-14,148.26	1,536.24	1,115.63	420.61	3.652		
20,200.00	7,001.00	17,070.00	7,159.63	339.79	269.63	-98.42	-7,461.68	-14,148.26	1,479.48	1,035.29	444.19	3.331		
20,300.00	7,001.00	17,070.00	7,159.63	342.34	269.63	-98.42	-7,461.68	-14,148.26	1,427.48	959.20	468.28	3.048		
20,400.00	7,001.00	17,070.00	7,159.63	344.89	269.63	-98.42	-7,461.68	-14,148.26	1,380.77	888.28	492.49	2.804		
20,500.00	7,001.00	17,070.00	7,159.63	347.44	269.63	-98.42	-7,461.68	-14,148.26	1,339.91	823.61	516.30	2.595		
20,600.00	7,001.00	17,070.00	7,159.63	350.00	269.63	-98.42	-7,461.68	-14,148.26	1,305.45	766.32	539.13	2.421		
20,683.43	7,001.00	17,070.00	7,159.63	351.63	269.63	-98.42	-7,461.68	-14,148.26	1,281.96	725.86	556.10	2.305 CC, ES, SF		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1540-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,000.00	7,001.00	16,991.00	6,977.50	140.95	270.92	89.97	-5,191.76	-14,181.51	10,079.61	9,917.60	162.01	62.215		
11,100.00	7,001.00	16,991.00	6,977.50	142.22	270.92	89.97	-5,191.76	-14,181.51	9,980.02	9,817.59	162.43	61.442		
11,200.00	7,001.00	16,991.00	6,977.50	143.52	270.92	89.97	-5,191.76	-14,181.51	9,880.43	9,717.57	162.86	60.668		
11,300.00	7,001.00	16,991.00	6,977.50	144.85	270.92	89.97	-5,191.76	-14,181.51	9,780.85	9,617.55	163.30	59.896		
11,400.00	7,001.00	16,991.00	6,977.50	146.21	270.92	89.97	-5,191.76	-14,181.51	9,681.27	9,517.53	163.75	59.124		
11,500.00	7,001.00	16,991.00	6,977.50	147.61	270.92	89.97	-5,191.76	-14,181.51	9,581.71	9,417.51	164.20	58.353		
11,600.00	7,001.00	16,991.00	6,977.50	149.03	270.92	89.97	-5,191.76	-14,181.51	9,482.16	9,317.49	164.67	57.582		
11,700.00	7,001.00	16,991.00	6,977.50	150.49	270.92	89.97	-5,191.76	-14,181.51	9,382.61	9,217.46	165.15	56.812		
11,800.00	7,001.00	16,991.00	6,977.50	151.98	270.92	89.97	-5,191.76	-14,181.51	9,283.08	9,117.44	165.64	56.043		
11,900.00	7,001.00	16,991.00	6,977.50	153.50	270.92	89.97	-5,191.76	-14,181.51	9,183.55	9,017.41	166.15	55.274		
12,000.00	7,001.00	16,991.00	6,977.50	155.05	270.92	89.97	-5,191.76	-14,181.51	9,084.04	8,917.38	166.66	54.506		
12,100.00	7,001.00	16,991.00	6,977.50	156.62	270.92	89.97	-5,191.76	-14,181.51	8,984.54	8,817.35	167.19	53.739		
12,200.00	7,001.00	16,991.00	6,977.50	158.23	270.92	89.97	-5,191.76	-14,181.51	8,885.05	8,717.32	167.73	52.972		
12,300.00	7,001.00	16,991.00	6,977.50	159.87	270.92	89.97	-5,191.76	-14,181.51	8,785.56	8,617.28	168.28	52.207		
12,400.00	7,001.00	16,991.00	6,977.50	161.53	270.92	89.97	-5,191.76	-14,181.51	8,686.10	8,517.25	168.85	51.442		
12,500.00	7,001.00	16,991.00	6,977.50	163.22	270.92	89.97	-5,191.76	-14,181.51	8,586.64	8,417.21	169.43	50.679		
12,600.00	7,001.00	16,991.00	6,977.50	164.94	270.92	89.97	-5,191.76	-14,181.51	8,487.20	8,317.17	170.03	49.916		
12,700.00	7,001.00	16,991.00	6,977.50	166.69	270.92	89.97	-5,191.76	-14,181.51	8,387.77	8,217.12	170.64	49.154		
12,800.00	7,001.00	16,991.00	6,977.50	168.46	270.92	89.97	-5,191.76	-14,181.51	8,288.35	8,117.08	171.27	48.393		
12,900.00	7,001.00	16,991.00	6,977.50	170.26	270.92	89.97	-5,191.76	-14,181.51	8,188.95	8,017.03	171.92	47.633		
13,000.00	7,001.00	16,991.00	6,977.50	172.08	270.92	89.97	-5,191.76	-14,181.51	8,089.56	7,916.98	172.58	46.875		
13,100.00	7,001.00	16,991.00	6,977.50	173.92	270.92	89.97	-5,191.76	-14,181.51	7,990.19	7,816.93	173.26	46.117		
13,200.00	7,001.00	16,991.00	6,977.50	175.79	270.92	89.97	-5,191.76	-14,181.51	7,890.83	7,716.87	173.96	45.361		
13,300.00	7,001.00	16,991.00	6,977.50	177.68	270.92	89.97	-5,191.76	-14,181.51	7,791.49	7,616.82	174.68	44.605		
13,400.00	7,001.00	16,991.00	6,977.50	179.60	270.92	89.97	-5,191.76	-14,181.51	7,692.17	7,516.75	175.41	43.851		
13,500.00	7,001.00	16,991.00	6,977.50	181.53	270.92	89.97	-5,191.76	-14,181.51	7,592.86	7,416.69	176.17	43.099		
13,600.00	7,001.00	16,991.00	6,977.50	183.49	270.92	89.97	-5,191.76	-14,181.51	7,493.58	7,316.62	176.95	42.348		
13,700.00	7,001.00	16,991.00	6,977.50	185.47	270.92	89.97	-5,191.76	-14,181.51	7,394.31	7,216.55	177.76	41.598		
13,800.00	7,001.00	16,991.00	6,977.50	187.47	270.92	89.97	-5,191.76	-14,181.51	7,295.06	7,116.48	178.58	40.849		
13,900.00	7,001.00	16,991.00	6,977.50	189.49	270.92	89.97	-5,191.76	-14,181.51	7,195.84	7,016.40	179.44	40.102		
14,000.00	7,001.00	16,991.00	6,977.50	191.53	270.92	89.97	-5,191.76	-14,181.51	7,096.63	6,916.32	180.31	39.357		
14,100.00	7,001.00	16,991.00	6,977.50	193.58	270.92	89.97	-5,191.76	-14,181.51	6,997.45	6,816.23	181.22	38.614		
14,200.00	7,001.00	16,991.00	6,977.50	195.66	270.92	89.97	-5,191.76	-14,181.51	6,898.29	6,716.14	182.15	37.872		
14,300.00	7,001.00	16,991.00	6,977.50	197.75	270.92	89.97	-5,191.76	-14,181.51	6,799.16	6,616.05	183.11	37.132		
14,400.00	7,001.00	16,991.00	6,977.50	199.85	270.92	89.97	-5,191.76	-14,181.51	6,700.05	6,515.95	184.10	36.393		
14,500.00	7,001.00	16,991.00	6,977.50	201.98	270.92	89.97	-5,191.76	-14,181.51	6,600.97	6,415.84	185.12	35.657		
14,600.00	7,001.00	16,991.00	6,977.50	204.12	270.92	89.97	-5,191.76	-14,181.51	6,501.91	6,315.73	186.18	34.923		
14,700.00	7,001.00	16,991.00	6,977.50	206.27	270.92	89.97	-5,191.76	-14,181.51	6,402.89	6,215.62	187.27	34.190		
14,800.00	7,001.00	16,991.00	6,977.50	208.45	270.92	89.97	-5,191.76	-14,181.51	6,303.90	6,115.50	188.40	33.460		
14,900.00	7,001.00	16,991.00	6,977.50	210.63	270.92	89.97	-5,191.76	-14,181.51	6,204.94	6,015.37	189.56	32.733		
15,000.00	7,001.00	16,991.00	6,977.50	212.83	270.92	89.97	-5,191.76	-14,181.51	6,106.01	5,915.24	190.77	32.007		
15,100.00	7,001.00	16,991.00	6,977.50	215.04	270.92	89.97	-5,191.76	-14,181.51	6,007.12	5,815.10	192.02	31.284		
15,200.00	7,001.00	16,991.00	6,977.50	217.27	270.92	89.97	-5,191.76	-14,181.51	5,908.26	5,714.95	193.31	30.564		
15,300.00	7,001.00	16,991.00	6,977.50	219.51	270.92	89.97	-5,191.76	-14,181.51	5,809.45	5,614.80	194.65	29.846		
15,400.00	7,001.00	16,991.00	6,977.50	221.76	270.92	89.97	-5,191.76	-14,181.51	5,710.68	5,514.64	196.04	29.131		
15,500.00	7,001.00	16,991.00	6,977.50	224.02	270.92	89.97	-5,191.76	-14,181.51	5,611.95	5,414.47	197.48	28.419		
15,600.00	7,001.00	16,991.00	6,977.50	226.30	270.92	89.97	-5,191.76	-14,181.51	5,513.26	5,314.29	198.97	27.709		
15,700.00	7,001.00	16,991.00	6,977.50	228.58	270.92	89.97	-5,191.76	-14,181.51	5,414.63	5,214.11	200.52	27.003		
15,800.00	7,001.00	16,991.00	6,977.50	230.88	270.92	89.97	-5,191.76	-14,181.51	5,316.04	5,113.91	202.13	26.300		
15,900.00	7,001.00	16,991.00	6,977.50	233.19	270.92	89.97	-5,191.76	-14,181.51	5,217.51	5,013.71	203.80	25.601		
16,000.00	7,001.00	16,991.00	6,977.50	235.50	270.92	89.97	-5,191.76	-14,181.51	5,119.04	4,913.49	205.54	24.905		
16,100.00	7,001.00	16,991.00	6,977.50	237.83	270.92	89.97	-5,191.76	-14,181.51	5,020.62	4,813.27	207.36	24.213		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1540-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,200.00	7,001.00	16,991.00	6,977.50	240.17	270.92	89.97	-5,191.76	-14,181.51	4,922.27	4,713.03	209.24	23.524		
16,300.00	7,001.00	16,991.00	6,977.50	242.52	270.92	89.97	-5,191.76	-14,181.51	4,823.99	4,612.78	211.21	22.840		
16,400.00	7,001.00	16,991.00	6,977.50	244.87	270.92	89.97	-5,191.76	-14,181.51	4,725.78	4,512.52	213.26	22.159		
16,500.00	7,001.00	16,991.00	6,977.50	247.24	270.92	89.97	-5,191.76	-14,181.51	4,627.65	4,412.24	215.41	21.483		
16,600.00	7,001.00	16,991.00	6,977.50	249.61	270.92	89.97	-5,191.76	-14,181.51	4,529.60	4,311.95	217.65	20.812		
16,700.00	7,001.00	16,991.00	6,977.50	251.99	270.92	89.97	-5,191.76	-14,181.51	4,431.63	4,211.65	219.99	20.145		
16,800.00	7,001.00	16,991.00	6,977.50	254.38	270.92	89.97	-5,191.76	-14,181.51	4,333.76	4,111.33	222.43	19.483		
16,900.00	7,001.00	16,991.00	6,977.50	256.78	270.92	89.97	-5,191.76	-14,181.51	4,235.99	4,010.99	225.00	18.827		
17,000.00	7,001.00	16,991.00	6,977.50	259.18	270.92	89.97	-5,191.76	-14,181.51	4,138.32	3,910.64	227.69	18.176		
17,100.00	7,001.00	16,991.00	6,977.50	261.59	270.92	89.97	-5,191.76	-14,181.51	4,040.77	3,810.27	230.51	17.530		
17,200.00	7,001.00	16,991.00	6,977.50	264.01	270.92	89.97	-5,191.76	-14,181.51	3,943.34	3,709.87	233.47	16.890		
17,300.00	7,001.00	16,991.00	6,977.50	266.44	270.92	89.97	-5,191.76	-14,181.51	3,846.05	3,609.46	236.58	16.257		
17,400.00	7,001.00	16,991.00	6,977.50	268.87	270.92	89.97	-5,191.76	-14,181.51	3,748.89	3,509.03	239.86	15.630		
17,500.00	7,001.00	16,991.00	6,977.50	271.31	270.92	89.97	-5,191.76	-14,181.51	3,651.89	3,408.58	243.31	15.009		
17,600.00	7,001.00	16,991.00	6,977.50	273.75	270.92	89.97	-5,191.76	-14,181.51	3,555.06	3,308.11	246.95	14.396		
17,700.00	7,001.00	16,991.00	6,977.50	276.20	270.92	89.97	-5,191.76	-14,181.51	3,458.40	3,207.61	250.80	13.790		
17,800.00	7,001.00	16,991.00	6,977.50	278.66	270.92	89.97	-5,191.76	-14,181.51	3,361.95	3,107.09	254.86	13.191		
17,900.00	7,001.00	16,991.00	6,977.50	281.12	270.92	89.97	-5,191.76	-14,181.51	3,265.70	3,006.54	259.16	12.601		
18,000.00	7,001.00	16,991.00	6,977.50	283.59	270.92	89.97	-5,191.76	-14,181.51	3,169.81	2,906.03	263.79	12.017		
18,100.00	7,001.00	16,991.00	6,977.50	286.09	270.92	89.97	-5,191.76	-14,181.51	3,075.15	2,805.96	269.19	11.424		
18,200.00	7,001.00	16,991.00	6,977.50	288.62	270.92	89.97	-5,191.76	-14,181.51	2,982.07	2,706.57	275.50	10.824		
18,300.00	7,001.00	16,991.00	6,977.50	291.16	270.92	89.97	-5,191.76	-14,181.51	2,890.11	2,607.64	282.47	10.231		
18,400.00	7,001.00	16,991.00	6,977.50	293.71	270.92	89.97	-5,191.76	-14,181.51	2,798.70	2,508.82	289.88	9.655		
18,500.00	7,001.00	16,991.00	6,977.50	296.26	270.92	89.97	-5,191.76	-14,181.51	2,707.90	2,410.14	297.76	9.094		
18,600.00	7,001.00	16,991.00	6,977.50	298.81	270.92	89.97	-5,191.76	-14,181.51	2,617.77	2,311.64	306.14	8.551		
18,700.00	7,001.00	16,991.00	6,977.50	301.36	270.92	89.97	-5,191.76	-14,181.51	2,528.38	2,213.33	315.06	8.025		
18,800.00	7,001.00	16,991.00	6,977.50	303.92	270.92	89.97	-5,191.76	-14,181.51	2,439.82	2,115.26	324.56	7.517		
18,900.00	7,001.00	16,991.00	6,977.50	306.48	270.92	89.97	-5,191.76	-14,181.51	2,352.17	2,017.49	334.69	7.028		
19,000.00	7,001.00	16,991.00	6,977.50	309.04	270.92	89.97	-5,191.76	-14,181.51	2,265.55	1,920.06	345.48	6.558		
19,100.00	7,001.00	16,991.00	6,977.50	311.61	270.92	89.97	-5,191.76	-14,181.51	2,180.07	1,823.07	357.00	6.107		
19,200.00	7,001.00	16,991.00	6,977.50	314.18	270.92	89.97	-5,191.76	-14,181.51	2,095.88	1,726.60	369.28	5.676		
19,300.00	7,001.00	16,991.00	6,977.50	316.75	270.92	89.97	-5,191.76	-14,181.51	2,013.13	1,630.77	382.36	5.265		
19,400.00	7,001.00	16,991.00	6,977.50	319.32	270.92	89.97	-5,191.76	-14,181.51	1,932.02	1,535.74	396.28	4.875		
19,500.00	7,001.00	16,991.00	6,977.50	321.90	270.92	89.97	-5,191.76	-14,181.51	1,852.75	1,441.68	411.07	4.507		
19,600.00	7,001.00	16,991.00	6,977.50	324.48	270.92	89.97	-5,191.76	-14,181.51	1,775.58	1,348.84	426.74	4.161		
19,700.00	7,001.00	16,991.00	6,977.50	327.05	270.92	89.97	-5,191.76	-14,181.51	1,700.27	1,257.12	443.14	3.837		
19,800.00	7,001.00	16,991.00	6,977.50	329.62	270.92	89.97	-5,191.76	-14,181.51	1,625.35	1,165.56	459.78	3.535		
19,900.00	7,001.00	16,991.00	6,977.50	332.16	270.92	89.97	-5,191.76	-14,181.51	1,550.84	1,074.23	476.61	3.254		
20,000.00	7,001.00	16,991.00	6,977.50	334.70	270.92	89.97	-5,191.76	-14,181.51	1,478.32	984.38	493.94	2.993		
20,100.00	7,001.00	16,991.00	6,977.50	337.24	270.92	89.97	-5,191.76	-14,181.51	1,409.18	897.26	511.92	2.753		
20,200.00	7,001.00	16,991.00	6,977.50	339.79	270.92	89.97	-5,191.76	-14,181.51	1,343.92	813.62	530.30	2.534		
20,300.00	7,001.00	16,991.00	6,977.50	342.34	270.92	89.97	-5,191.76	-14,181.51	1,283.15	734.43	548.72	2.338		
20,400.00	7,001.00	16,991.00	6,977.50	344.89	270.92	89.97	-5,191.76	-14,181.51	1,227.52	660.83	566.69	2.166		
20,500.00	7,001.00	16,991.00	6,977.50	347.44	270.92	89.97	-5,191.76	-14,181.51	1,177.78	594.22	583.56	2.018		
20,600.00	7,001.00	16,991.00	6,977.50	350.00	270.92	89.97	-5,191.76	-14,181.51	1,134.68	536.17	598.51	1.896		
20,683.43	7,001.00	16,991.00	6,977.50	351.63	270.92	89.97	-5,191.76	-14,181.51	1,104.38	496.00	608.39	1.815 CC, ES, SF		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Sec 5-T6N-R67W - VARRA 3 - STK1 - STK1		Offset Site Error:		0.00 usft
Survey Program: 1662-MWD OWSG, 11063-MWD OWSG													Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis		Distance								Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
11,000.00	7,001.00	16,815.00	6,894.39	140.95	217.73	81.57	-5,527.12	-14,195.07	10,068.68	9,912.71	155.97	64.555					
11,100.00	7,001.00	16,815.00	6,894.39	142.22	217.73	81.57	-5,527.12	-14,195.07	9,968.84	9,812.65	156.19	63.825					
11,200.00	7,001.00	16,815.00	6,894.39	143.52	217.73	81.57	-5,527.12	-14,195.07	9,869.01	9,712.60	156.41	63.096					
11,300.00	7,001.00	16,815.00	6,894.39	144.85	217.73	81.57	-5,527.12	-14,195.07	9,769.18	9,612.54	156.64	62.366					
11,400.00	7,001.00	16,815.00	6,894.39	146.21	217.73	81.57	-5,527.12	-14,195.07	9,669.35	9,512.47	156.88	61.637					
11,500.00	7,001.00	16,815.00	6,894.39	147.61	217.73	81.57	-5,527.12	-14,195.07	9,569.53	9,412.41	157.12	60.907					
11,600.00	7,001.00	16,815.00	6,894.39	149.03	217.73	81.57	-5,527.12	-14,195.07	9,469.71	9,312.34	157.36	60.178					
11,700.00	7,001.00	16,815.00	6,894.39	150.49	217.73	81.57	-5,527.12	-14,195.07	9,369.89	9,212.28	157.61	59.449					
11,800.00	7,001.00	16,815.00	6,894.39	151.98	217.73	81.57	-5,527.12	-14,195.07	9,270.08	9,112.21	157.87	58.720					
11,900.00	7,001.00	16,815.00	6,894.39	153.50	217.73	81.57	-5,527.12	-14,195.07	9,170.27	9,012.14	158.13	57.992					
12,000.00	7,001.00	16,815.00	6,894.39	155.05	217.73	81.57	-5,527.12	-14,195.07	9,070.46	8,912.06	158.40	57.263					
12,100.00	7,001.00	16,815.00	6,894.39	156.62	217.73	81.57	-5,527.12	-14,195.07	8,970.66	8,811.99	158.67	56.535					
12,200.00	7,001.00	16,815.00	6,894.39	158.23	217.73	81.57	-5,527.12	-14,195.07	8,870.87	8,711.91	158.96	55.807					
12,300.00	7,001.00	16,815.00	6,894.39	159.87	217.73	81.57	-5,527.12	-14,195.07	8,771.08	8,611.83	159.25	55.079					
12,400.00	7,001.00	16,815.00	6,894.39	161.53	217.73	81.57	-5,527.12	-14,195.07	8,671.29	8,511.75	159.54	54.351					
12,500.00	7,001.00	16,815.00	6,894.39	163.22	217.73	81.57	-5,527.12	-14,195.07	8,571.51	8,411.66	159.85	53.624					
12,600.00	7,001.00	16,815.00	6,894.39	164.94	217.73	81.57	-5,527.12	-14,195.07	8,471.73	8,311.58	160.16	52.897					
12,700.00	7,001.00	16,815.00	6,894.39	166.69	217.73	81.57	-5,527.12	-14,195.07	8,371.96	8,211.49	160.48	52.170					
12,800.00	7,001.00	16,815.00	6,894.39	168.46	217.73	81.57	-5,527.12	-14,195.07	8,272.20	8,111.39	160.80	51.443					
12,900.00	7,001.00	16,815.00	6,894.39	170.26	217.73	81.57	-5,527.12	-14,195.07	8,172.44	8,011.30	161.14	50.716					
13,000.00	7,001.00	16,815.00	6,894.39	172.08	217.73	81.57	-5,527.12	-14,195.07	8,072.69	7,911.20	161.49	49.990					
13,100.00	7,001.00	16,815.00	6,894.39	173.92	217.73	81.57	-5,527.12	-14,195.07	7,972.94	7,811.10	161.84	49.264					
13,200.00	7,001.00	16,815.00	6,894.39	175.79	217.73	81.57	-5,527.12	-14,195.07	7,873.20	7,710.99	162.20	48.539					
13,300.00	7,001.00	16,815.00	6,894.39	177.68	217.73	81.57	-5,527.12	-14,195.07	7,773.46	7,610.89	162.58	47.814					
13,400.00	7,001.00	16,815.00	6,894.39	179.60	217.73	81.57	-5,527.12	-14,195.07	7,673.74	7,510.77	162.96	47.089					
13,500.00	7,001.00	16,815.00	6,894.39	181.53	217.73	81.57	-5,527.12	-14,195.07	7,574.02	7,410.66	163.36	46.364					
13,600.00	7,001.00	16,815.00	6,894.39	183.49	217.73	81.57	-5,527.12	-14,195.07	7,474.30	7,310.54	163.77	45.640					
13,700.00	7,001.00	16,815.00	6,894.39	185.47	217.73	81.57	-5,527.12	-14,195.07	7,374.60	7,210.42	164.18	44.917					
13,800.00	7,001.00	16,815.00	6,894.39	187.47	217.73	81.57	-5,527.12	-14,195.07	7,274.90	7,110.29	164.62	44.193					
13,900.00	7,001.00	16,815.00	6,894.39	189.49	217.73	81.57	-5,527.12	-14,195.07	7,175.22	7,010.16	165.06	43.470					
14,000.00	7,001.00	16,815.00	6,894.39	191.53	217.73	81.57	-5,527.12	-14,195.07	7,075.54	6,910.02	165.52	42.748					
14,100.00	7,001.00	16,815.00	6,894.39	193.58	217.73	81.57	-5,527.12	-14,195.07	6,975.87	6,809.88	165.99	42.026					
14,200.00	7,001.00	16,815.00	6,894.39	195.66	217.73	81.57	-5,527.12	-14,195.07	6,876.21	6,709.73	166.48	41.304					
14,300.00	7,001.00	16,815.00	6,894.39	197.75	217.73	81.57	-5,527.12	-14,195.07	6,776.55	6,609.58	166.98	40.584					
14,400.00	7,001.00	16,815.00	6,894.39	199.85	217.73	81.57	-5,527.12	-14,195.07	6,676.91	6,509.42	167.50	39.863					
14,500.00	7,001.00	16,815.00	6,894.39	201.98	217.73	81.57	-5,527.12	-14,195.07	6,577.29	6,409.25	168.03	39.143					
14,600.00	7,001.00	16,815.00	6,894.39	204.12	217.73	81.57	-5,527.12	-14,195.07	6,477.67	6,309.08	168.58	38.424					
14,700.00	7,001.00	16,815.00	6,894.39	206.27	217.73	81.57	-5,527.12	-14,195.07	6,378.06	6,208.91	169.15	37.705					
14,800.00	7,001.00	16,815.00	6,894.39	208.45	217.73	81.57	-5,527.12	-14,195.07	6,278.47	6,108.72	169.75	36.988					
14,900.00	7,001.00	16,815.00	6,894.39	210.63	217.73	81.57	-5,527.12	-14,195.07	6,178.89	6,008.53	170.36	36.270					
15,000.00	7,001.00	16,815.00	6,894.39	212.83	217.73	81.57	-5,527.12	-14,195.07	6,079.32	5,908.33	170.99	35.554					
15,100.00	7,001.00	16,815.00	6,894.39	215.04	217.73	81.57	-5,527.12	-14,195.07	5,979.77	5,808.13	171.65	34.838					
15,200.00	7,001.00	16,815.00	6,894.39	217.27	217.73	81.57	-5,527.12	-14,195.07	5,880.23	5,707.91	172.32	34.123					
15,300.00	7,001.00	16,815.00	6,894.39	219.51	217.73	81.57	-5,527.12	-14,195.07	5,780.71	5,607.68	173.03	33.409					
15,400.00	7,001.00	16,815.00	6,894.39	221.76	217.73	81.57	-5,527.12	-14,195.07	5,681.21	5,507.45	173.76	32.696					
15,500.00	7,001.00	16,815.00	6,894.39	224.02	217.73	81.57	-5,527.12	-14,195.07	5,581.72	5,407.20	174.52	31.983					
15,600.00	7,001.00	16,815.00	6,894.39	226.30	217.73	81.57	-5,527.12	-14,195.07	5,482.26	5,306.95	175.31	31.272					
15,700.00	7,001.00	16,815.00	6,894.39	228.58	217.73	81.57	-5,527.12	-14,195.07	5,382.81	5,206.68	176.13	30.562					
15,800.00	7,001.00	16,815.00	6,894.39	230.88	217.73	81.57	-5,527.12	-14,195.07	5,283.38	5,106.40	176.98	29.853					
15,900.00	7,001.00	16,815.00	6,894.39	233.19	217.73	81.57	-5,527.12	-14,195.07	5,183.98	5,006.11	177.87	29.145					
16,000.00	7,001.00	16,815.00	6,894.39	235.50	217.73	81.57	-5,527.12	-14,195.07	5,084.60	4,905.80	178.80	28.438					
16,100.00	7,001.00	16,815.00	6,894.39	237.83	217.73	81.57	-5,527.12	-14,195.07	4,985.24	4,805.48	179.76	27.732					

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1662-MWD OWSG, 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		
16,200.00	7,001.00	16,815.00	6,894.39	240.17	217.73	81.57	-5,527.12	-14,195.07	4,885.91	4,705.14	180.77	27.028		
16,300.00	7,001.00	16,815.00	6,894.39	242.52	217.73	81.57	-5,527.12	-14,195.07	4,786.61	4,604.78	181.82	26.326		
16,400.00	7,001.00	16,815.00	6,894.39	244.87	217.73	81.57	-5,527.12	-14,195.07	4,687.33	4,504.41	182.92	25.625		
16,500.00	7,001.00	16,815.00	6,894.39	247.24	217.73	81.57	-5,527.12	-14,195.07	4,588.09	4,404.02	184.07	24.925		
16,600.00	7,001.00	16,815.00	6,894.39	249.61	217.73	81.57	-5,527.12	-14,195.07	4,488.88	4,303.61	185.28	24.228		
16,700.00	7,001.00	16,815.00	6,894.39	251.99	217.73	81.57	-5,527.12	-14,195.07	4,389.71	4,203.17	186.54	23.532		
16,800.00	7,001.00	16,815.00	6,894.39	254.38	217.73	81.57	-5,527.12	-14,195.07	4,290.58	4,102.71	187.87	22.838		
16,900.00	7,001.00	16,815.00	6,894.39	256.78	217.73	81.57	-5,527.12	-14,195.07	4,191.49	4,002.22	189.26	22.146		
17,000.00	7,001.00	16,815.00	6,894.39	259.18	217.73	81.57	-5,527.12	-14,195.07	4,092.44	3,901.71	190.73	21.457		
17,100.00	7,001.00	16,815.00	6,894.39	261.59	217.73	81.57	-5,527.12	-14,195.07	3,993.44	3,801.17	192.27	20.770		
17,200.00	7,001.00	16,815.00	6,894.39	264.01	217.73	81.57	-5,527.12	-14,195.07	3,894.49	3,700.59	193.90	20.085		
17,300.00	7,001.00	16,815.00	6,894.39	266.44	217.73	81.57	-5,527.12	-14,195.07	3,795.60	3,599.98	195.62	19.403		
17,400.00	7,001.00	16,815.00	6,894.39	268.87	217.73	81.57	-5,527.12	-14,195.07	3,696.76	3,499.33	197.43	18.724		
17,500.00	7,001.00	16,815.00	6,894.39	271.31	217.73	81.57	-5,527.12	-14,195.07	3,597.99	3,398.64	199.35	18.049		
17,600.00	7,001.00	16,815.00	6,894.39	273.75	217.73	81.57	-5,527.12	-14,195.07	3,499.29	3,297.91	201.38	17.376		
17,700.00	7,001.00	16,815.00	6,894.39	276.20	217.73	81.57	-5,527.12	-14,195.07	3,400.67	3,197.13	203.54	16.708		
17,800.00	7,001.00	16,815.00	6,894.39	278.66	217.73	81.57	-5,527.12	-14,195.07	3,302.12	3,096.29	205.84	16.043		
17,900.00	7,001.00	16,815.00	6,894.39	281.12	217.73	81.57	-5,527.12	-14,195.07	3,203.67	2,995.40	208.28	15.382		
18,000.00	7,001.00	16,815.00	6,894.39	283.59	217.73	82.30	-5,527.12	-14,195.07	3,105.40	2,894.46	210.95	14.721		
18,100.00	7,001.00	16,815.00	6,894.39	286.09	217.73	83.40	-5,527.12	-14,195.07	3,007.89	2,793.64	214.25	14.039		
18,200.00	7,001.00	16,815.00	6,894.39	288.62	217.73	84.18	-5,527.12	-14,195.07	2,911.41	2,693.08	218.32	13.335		
18,300.00	7,001.00	16,815.00	6,894.39	291.16	217.73	84.18	-5,527.12	-14,195.07	2,815.64	2,592.69	222.95	12.629		
18,400.00	7,001.00	16,815.00	6,894.39	293.71	217.73	84.18	-5,527.12	-14,195.07	2,720.19	2,492.26	227.93	11.935		
18,500.00	7,001.00	16,815.00	6,894.39	296.26	217.73	84.18	-5,527.12	-14,195.07	2,625.07	2,391.79	233.27	11.253		
18,600.00	7,001.00	16,815.00	6,894.39	298.81	217.73	84.18	-5,527.12	-14,195.07	2,530.32	2,291.29	239.03	10.586		
18,700.00	7,001.00	16,815.00	6,894.39	301.36	217.73	84.18	-5,527.12	-14,195.07	2,436.00	2,190.76	245.24	9.933		
18,800.00	7,001.00	16,815.00	6,894.39	303.92	217.73	84.18	-5,527.12	-14,195.07	2,342.15	2,090.20	251.95	9.296		
18,900.00	7,001.00	16,815.00	6,894.39	306.48	217.73	84.18	-5,527.12	-14,195.07	2,248.83	1,989.61	259.22	8.675		
19,000.00	7,001.00	16,815.00	6,894.39	309.04	217.73	84.18	-5,527.12	-14,195.07	2,156.10	1,889.01	267.10	8.072		
19,100.00	7,001.00	16,815.00	6,894.39	311.61	217.73	84.18	-5,527.12	-14,195.07	2,064.06	1,788.41	275.65	7.488		
19,200.00	7,001.00	16,815.00	6,894.39	314.18	217.73	84.18	-5,527.12	-14,195.07	1,972.79	1,687.83	284.96	6.923		
19,300.00	7,001.00	16,815.00	6,894.39	316.75	217.73	84.18	-5,527.12	-14,195.07	1,882.41	1,587.30	295.11	6.379		
19,400.00	7,001.00	16,815.00	6,894.39	319.32	217.73	84.18	-5,527.12	-14,195.07	1,793.05	1,486.86	306.18	5.856		
19,500.00	7,001.00	16,815.00	6,894.39	321.90	217.73	84.18	-5,527.12	-14,195.07	1,704.87	1,386.59	318.28	5.356		
19,600.00	7,001.00	16,815.00	6,894.39	324.48	217.73	84.18	-5,527.12	-14,195.07	1,618.07	1,286.56	331.50	4.881		
19,700.00	7,001.00	16,815.00	6,894.39	327.05	217.73	83.95	-5,527.12	-14,195.07	1,532.47	1,186.69	345.78	4.432		
19,800.00	7,001.00	16,815.00	6,894.39	329.62	217.73	83.60	-5,527.12	-14,195.07	1,446.92	1,086.35	360.57	4.013		
19,900.00	7,001.00	16,815.00	6,894.39	332.16	217.73	83.26	-5,527.12	-14,195.07	1,361.44	985.54	375.91	3.622		
20,000.00	7,001.00	16,815.00	6,894.39	334.70	217.73	83.26	-5,527.12	-14,195.07	1,277.27	884.89	392.38	3.255		
20,100.00	7,001.00	16,815.00	6,894.39	337.24	217.73	83.26	-5,527.12	-14,195.07	1,195.55	785.09	410.45	2.913		
20,200.00	7,001.00	16,815.00	6,894.39	339.79	217.73	83.26	-5,527.12	-14,195.07	1,116.80	686.64	430.16	2.596		
20,300.00	7,001.00	16,815.00	6,894.39	342.34	217.73	83.26	-5,527.12	-14,195.07	1,041.70	590.29	451.40	2.308		
20,400.00	7,001.00	16,815.00	6,894.39	344.89	217.73	83.26	-5,527.12	-14,195.07	971.10	497.19	473.92	2.049		
20,500.00	7,001.00	16,815.00	6,894.39	347.44	217.73	83.26	-5,527.12	-14,195.07	906.06	408.98	497.08	1.823		
20,600.00	7,001.00	16,815.00	6,894.39	350.00	217.73	83.26	-5,527.12	-14,195.07	847.85	328.02	519.83	1.631		
20,683.43	7,001.00	16,815.00	6,894.39	351.63	217.73	83.26	-5,527.12	-14,195.07	805.59	268.56	537.03	1.500	CC, ES, SF	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1662-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,600.00	7,001.00	15,135.00	6,838.83	164.94	225.16	76.60	-5,504.61	-15,872.06	10,147.33	9,995.52	151.81	66.843		
12,700.00	7,001.00	15,135.00	6,838.83	166.69	225.16	76.60	-5,504.61	-15,872.06	10,047.50	9,895.43	152.07	66.071		
12,800.00	7,001.00	15,135.00	6,838.83	168.46	225.16	76.60	-5,504.61	-15,872.06	9,947.68	9,795.35	152.34	65.300		
12,900.00	7,001.00	15,135.00	6,838.83	170.26	225.16	76.60	-5,504.61	-15,872.06	9,847.87	9,695.26	152.61	64.529		
13,000.00	7,001.00	15,135.00	6,838.83	172.08	225.16	76.60	-5,504.61	-15,872.06	9,748.06	9,595.17	152.89	63.759		
13,100.00	7,001.00	15,135.00	6,838.83	173.92	225.16	76.60	-5,504.61	-15,872.06	9,648.25	9,495.07	153.18	62.988		
13,200.00	7,001.00	15,135.00	6,838.83	175.79	225.16	76.60	-5,504.61	-15,872.06	9,548.44	9,394.98	153.47	62.218		
13,300.00	7,001.00	15,135.00	6,838.83	177.68	225.16	76.60	-5,504.61	-15,872.06	9,448.65	9,294.88	153.77	61.448		
13,400.00	7,001.00	15,135.00	6,838.83	179.60	225.16	76.60	-5,504.61	-15,872.06	9,348.85	9,194.78	154.07	60.679		
13,500.00	7,001.00	15,135.00	6,838.83	181.53	225.16	76.60	-5,504.61	-15,872.06	9,249.06	9,094.68	154.38	59.910		
13,600.00	7,001.00	15,135.00	6,838.83	183.49	225.16	76.60	-5,504.61	-15,872.06	9,149.27	8,994.57	154.70	59.141		
13,700.00	7,001.00	15,135.00	6,838.83	185.47	225.16	76.60	-5,504.61	-15,872.06	9,049.49	8,894.46	155.03	58.372		
13,800.00	7,001.00	15,135.00	6,838.83	187.47	225.16	76.60	-5,504.61	-15,872.06	8,949.71	8,794.35	155.37	57.604		
13,900.00	7,001.00	15,135.00	6,838.83	189.49	225.16	76.60	-5,504.61	-15,872.06	8,849.94	8,694.23	155.71	56.836		
14,000.00	7,001.00	15,135.00	6,838.83	191.53	225.16	76.60	-5,504.61	-15,872.06	8,750.17	8,594.11	156.06	56.069		
14,100.00	7,001.00	15,135.00	6,838.83	193.58	225.16	76.60	-5,504.61	-15,872.06	8,650.41	8,493.99	156.42	55.302		
14,200.00	7,001.00	15,135.00	6,838.83	195.66	225.16	76.60	-5,504.61	-15,872.06	8,550.66	8,393.87	156.79	54.536		
14,300.00	7,001.00	15,135.00	6,838.83	197.75	225.16	76.60	-5,504.61	-15,872.06	8,450.91	8,293.74	157.17	53.769		
14,400.00	7,001.00	15,135.00	6,838.83	199.85	225.16	76.60	-5,504.61	-15,872.06	8,351.16	8,193.60	157.56	53.004		
14,500.00	7,001.00	15,135.00	6,838.83	201.98	225.16	76.60	-5,504.61	-15,872.06	8,251.42	8,093.47	157.96	52.238		
14,600.00	7,001.00	15,135.00	6,838.83	204.12	225.16	76.60	-5,504.61	-15,872.06	8,151.69	7,993.33	158.37	51.474		
14,700.00	7,001.00	15,135.00	6,838.83	206.27	225.16	76.60	-5,504.61	-15,872.06	8,051.97	7,893.18	158.79	50.709		
14,800.00	7,001.00	15,135.00	6,838.83	208.45	225.16	76.60	-5,504.61	-15,872.06	7,952.25	7,793.03	159.22	49.946		
14,900.00	7,001.00	15,135.00	6,838.83	210.63	225.16	76.60	-5,504.61	-15,872.06	7,852.54	7,692.88	159.66	49.183		
15,000.00	7,001.00	15,135.00	6,838.83	212.83	225.16	76.60	-5,504.61	-15,872.06	7,752.84	7,592.72	160.12	48.420		
15,100.00	7,001.00	15,135.00	6,838.83	215.04	225.16	76.60	-5,504.61	-15,872.06	7,653.14	7,492.56	160.58	47.658		
15,200.00	7,001.00	15,135.00	6,838.83	217.27	225.16	76.60	-5,504.61	-15,872.06	7,553.45	7,392.39	161.07	46.897		
15,300.00	7,001.00	15,135.00	6,838.83	219.51	225.16	76.60	-5,504.61	-15,872.06	7,453.77	7,292.21	161.56	46.136		
15,400.00	7,001.00	15,135.00	6,838.83	221.76	225.16	76.60	-5,504.61	-15,872.06	7,354.10	7,192.03	162.07	45.376		
15,500.00	7,001.00	15,135.00	6,838.83	224.02	225.16	76.60	-5,504.61	-15,872.06	7,254.44	7,091.85	162.60	44.617		
15,600.00	7,001.00	15,135.00	6,838.83	226.30	225.16	76.60	-5,504.61	-15,872.06	7,154.79	6,991.66	163.14	43.858		
15,700.00	7,001.00	15,135.00	6,838.83	228.58	225.16	76.60	-5,504.61	-15,872.06	7,055.15	6,891.46	163.69	43.100		
15,800.00	7,001.00	15,135.00	6,838.83	230.88	225.16	76.60	-5,504.61	-15,872.06	6,955.52	6,791.25	164.27	42.343		
15,900.00	7,001.00	15,135.00	6,838.83	233.19	225.16	76.60	-5,504.61	-15,872.06	6,855.90	6,691.04	164.86	41.587		
16,000.00	7,001.00	15,135.00	6,838.83	235.50	225.16	76.60	-5,504.61	-15,872.06	6,756.29	6,590.82	165.47	40.832		
16,100.00	7,001.00	15,135.00	6,838.83	237.83	225.16	76.60	-5,504.61	-15,872.06	6,656.69	6,490.59	166.10	40.077		
16,200.00	7,001.00	15,135.00	6,838.83	240.17	225.16	76.60	-5,504.61	-15,872.06	6,557.10	6,390.36	166.75	39.324		
16,300.00	7,001.00	15,135.00	6,838.83	242.52	225.16	76.60	-5,504.61	-15,872.06	6,457.53	6,290.11	167.42	38.571		
16,400.00	7,001.00	15,135.00	6,838.83	244.87	225.16	76.60	-5,504.61	-15,872.06	6,357.97	6,189.86	168.11	37.820		
16,500.00	7,001.00	15,135.00	6,838.83	247.24	225.16	76.60	-5,504.61	-15,872.06	6,258.42	6,089.59	168.83	37.069		
16,600.00	7,001.00	15,135.00	6,838.83	249.61	225.16	76.60	-5,504.61	-15,872.06	6,158.89	5,989.32	169.57	36.320		
16,700.00	7,001.00	15,135.00	6,838.83	251.99	225.16	76.60	-5,504.61	-15,872.06	6,059.38	5,889.04	170.34	35.572		
16,800.00	7,001.00	15,135.00	6,838.83	254.38	225.16	76.60	-5,504.61	-15,872.06	5,959.88	5,788.74	171.14	34.825		
16,900.00	7,001.00	15,135.00	6,838.83	256.78	225.16	76.60	-5,504.61	-15,872.06	5,860.40	5,688.44	171.96	34.080		
17,000.00	7,001.00	15,135.00	6,838.83	259.18	225.16	76.60	-5,504.61	-15,872.06	5,760.93	5,588.12	172.82	33.336		
17,100.00	7,001.00	15,135.00	6,838.83	261.59	225.16	76.60	-5,504.61	-15,872.06	5,661.49	5,487.78	173.70	32.593		
17,200.00	7,001.00	15,135.00	6,838.83	264.01	225.16	76.60	-5,504.61	-15,872.06	5,562.06	5,387.44	174.62	31.852		
17,300.00	7,001.00	15,135.00	6,838.83	266.44	225.16	76.60	-5,504.61	-15,872.06	5,462.66	5,287.08	175.58	31.112		
17,400.00	7,001.00	15,135.00	6,838.83	268.87	225.16	76.60	-5,504.61	-15,872.06	5,363.27	5,186.70	176.57	30.374		
17,500.00	7,001.00	15,135.00	6,838.83	271.31	225.16	76.60	-5,504.61	-15,872.06	5,263.92	5,086.31	177.61	29.638		
17,600.00	7,001.00	15,135.00	6,838.83	273.75	225.16	76.60	-5,504.61	-15,872.06	5,164.58	4,985.90	178.69	28.903		
17,700.00	7,001.00	15,135.00	6,838.83	276.20	225.16	76.60	-5,504.61	-15,872.06	5,065.27	4,885.47	179.81	28.171		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1662-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,800.00	7,001.00	15,135.00	6,838.83	278.66	225.16	76.60	-5,504.61	-15,872.06	4,965.99	4,785.02	180.98	27.440		
17,900.00	7,001.00	15,135.00	6,838.83	281.12	225.16	76.60	-5,504.61	-15,872.06	4,866.74	4,684.55	182.19	26.712		
18,000.00	7,001.00	15,135.00	6,838.83	283.59	225.16	78.23	-5,504.61	-15,872.06	4,767.58	4,584.07	183.51	25.980		
18,100.00	7,001.00	15,135.00	6,838.83	286.09	225.16	80.49	-5,504.61	-15,872.06	4,668.90	4,483.69	185.21	25.208		
18,200.00	7,001.00	15,135.00	6,838.83	288.62	225.16	81.97	-5,504.61	-15,872.06	4,570.91	4,383.55	187.36	24.396		
18,300.00	7,001.00	15,135.00	6,838.83	291.16	225.16	81.97	-5,504.61	-15,872.06	4,473.37	4,283.56	189.81	23.568		
18,400.00	7,001.00	15,135.00	6,838.83	293.71	225.16	81.97	-5,504.61	-15,872.06	4,375.93	4,183.57	192.37	22.748		
18,500.00	7,001.00	15,135.00	6,838.83	296.26	225.16	81.97	-5,504.61	-15,872.06	4,278.62	4,083.56	195.06	21.935		
18,600.00	7,001.00	15,135.00	6,838.83	298.81	225.16	81.97	-5,504.61	-15,872.06	4,181.43	3,983.55	197.88	21.131		
18,700.00	7,001.00	15,135.00	6,838.83	301.36	225.16	81.97	-5,504.61	-15,872.06	4,084.38	3,883.52	200.85	20.335		
18,800.00	7,001.00	15,135.00	6,838.83	303.92	225.16	81.97	-5,504.61	-15,872.06	3,987.47	3,783.49	203.98	19.548		
18,900.00	7,001.00	15,135.00	6,838.83	306.48	225.16	81.97	-5,504.61	-15,872.06	3,890.72	3,683.44	207.27	18.771		
19,000.00	7,001.00	15,135.00	6,838.83	309.04	225.16	81.97	-5,504.61	-15,872.06	3,794.13	3,583.39	210.74	18.003		
19,100.00	7,001.00	15,135.00	6,838.83	311.61	225.16	81.97	-5,504.61	-15,872.06	3,697.73	3,483.33	214.41	17.246		
19,200.00	7,001.00	15,135.00	6,838.83	314.18	225.16	81.97	-5,504.61	-15,872.06	3,601.53	3,383.25	218.28	16.500		
19,300.00	7,001.00	15,135.00	6,838.83	316.75	225.16	81.97	-5,504.61	-15,872.06	3,505.54	3,283.17	222.36	15.765		
19,400.00	7,001.00	15,135.00	6,838.83	319.32	225.16	81.97	-5,504.61	-15,872.06	3,409.77	3,183.08	226.69	15.041		
19,500.00	7,001.00	15,135.00	6,838.83	321.90	225.16	81.97	-5,504.61	-15,872.06	3,314.26	3,082.99	231.28	14.330		
19,600.00	7,001.00	15,135.00	6,838.83	324.48	225.16	81.97	-5,504.61	-15,872.06	3,219.02	2,982.89	236.14	13.632		
19,700.00	7,001.00	15,135.00	6,838.83	327.05	225.16	81.36	-5,504.61	-15,872.06	3,123.84	2,882.67	241.18	12.953		
19,800.00	7,001.00	15,135.00	6,838.83	329.62	225.16	80.29	-5,504.61	-15,872.06	3,027.98	2,782.00	245.99	12.309		
19,900.00	7,001.00	15,135.00	6,838.83	332.16	225.16	79.10	-5,504.61	-15,872.06	2,931.44	2,680.92	250.52	11.701		
20,000.00	7,001.00	15,135.00	6,838.83	334.70	225.16	79.10	-5,504.61	-15,872.06	2,834.75	2,579.65	255.10	11.112		
20,100.00	7,001.00	15,135.00	6,838.83	337.24	225.16	79.10	-5,504.61	-15,872.06	2,738.30	2,478.30	260.01	10.532		
20,200.00	7,001.00	15,135.00	6,838.83	339.79	225.16	79.10	-5,504.61	-15,872.06	2,642.12	2,376.86	265.26	9.961		
20,300.00	7,001.00	15,135.00	6,838.83	342.34	225.16	79.10	-5,504.61	-15,872.06	2,546.23	2,275.33	270.90	9.399		
20,400.00	7,001.00	15,135.00	6,838.83	344.89	225.16	79.10	-5,504.61	-15,872.06	2,450.67	2,173.71	276.96	8.848		
20,500.00	7,001.00	15,135.00	6,838.83	347.44	225.16	79.10	-5,504.61	-15,872.06	2,355.47	2,071.98	283.50	8.309		
20,600.00	7,001.00	15,135.00	6,838.83	350.00	225.16	79.10	-5,504.61	-15,872.06	2,260.70	1,970.14	290.56	7.781		
20,683.43	7,001.00	15,135.00	6,838.83	351.63	225.16	79.10	-5,504.61	-15,872.06	2,181.98	1,884.27	297.71	7.329	CC, ES, SF	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1757-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,900.00	7,001.00	17,130.00	7,210.02	139.72	271.45	117.76	-5,650.28	-14,176.95	10,146.47	9,997.74	148.73	68.222		
11,000.00	7,001.00	17,130.00	7,210.02	140.95	271.45	117.76	-5,650.28	-14,176.95	10,046.59	9,897.69	148.90	67.470		
11,100.00	7,001.00	17,130.00	7,210.02	142.22	271.45	117.76	-5,650.28	-14,176.95	9,946.72	9,797.63	149.09	66.718		
11,200.00	7,001.00	17,130.00	7,210.02	143.52	271.45	117.76	-5,650.28	-14,176.95	9,846.84	9,697.57	149.27	65.966		
11,300.00	7,001.00	17,130.00	7,210.02	144.85	271.45	117.76	-5,650.28	-14,176.95	9,746.97	9,597.51	149.46	65.214		
11,400.00	7,001.00	17,130.00	7,210.02	146.21	271.45	117.76	-5,650.28	-14,176.95	9,647.10	9,497.45	149.66	64.461		
11,500.00	7,001.00	17,130.00	7,210.02	147.61	271.45	117.76	-5,650.28	-14,176.95	9,547.24	9,397.38	149.86	63.709		
11,600.00	7,001.00	17,130.00	7,210.02	149.03	271.45	117.76	-5,650.28	-14,176.95	9,447.38	9,297.32	150.06	62.957		
11,700.00	7,001.00	17,130.00	7,210.02	150.49	271.45	117.76	-5,650.28	-14,176.95	9,347.52	9,197.25	150.27	62.205		
11,800.00	7,001.00	17,130.00	7,210.02	151.98	271.45	117.76	-5,650.28	-14,176.95	9,247.66	9,097.18	150.48	61.453		
11,900.00	7,001.00	17,130.00	7,210.02	153.50	271.45	117.76	-5,650.28	-14,176.95	9,147.81	8,997.11	150.70	60.701		
12,000.00	7,001.00	17,130.00	7,210.02	155.05	271.45	117.76	-5,650.28	-14,176.95	9,047.96	8,897.03	150.93	59.950		
12,100.00	7,001.00	17,130.00	7,210.02	156.62	271.45	117.76	-5,650.28	-14,176.95	8,948.11	8,796.96	151.16	59.198		
12,200.00	7,001.00	17,130.00	7,210.02	158.23	271.45	117.76	-5,650.28	-14,176.95	8,848.27	8,696.88	151.39	58.446		
12,300.00	7,001.00	17,130.00	7,210.02	159.87	271.45	117.76	-5,650.28	-14,176.95	8,748.43	8,596.79	151.63	57.695		
12,400.00	7,001.00	17,130.00	7,210.02	161.53	271.45	117.76	-5,650.28	-14,176.95	8,648.59	8,496.71	151.88	56.943		
12,500.00	7,001.00	17,130.00	7,210.02	163.22	271.45	117.76	-5,650.28	-14,176.95	8,548.76	8,396.62	152.14	56.192		
12,600.00	7,001.00	17,130.00	7,210.02	164.94	271.45	117.76	-5,650.28	-14,176.95	8,448.93	8,296.54	152.40	55.440		
12,700.00	7,001.00	17,130.00	7,210.02	166.69	271.45	117.76	-5,650.28	-14,176.95	8,349.11	8,196.44	152.66	54.689		
12,800.00	7,001.00	17,130.00	7,210.02	168.46	271.45	117.76	-5,650.28	-14,176.95	8,249.29	8,096.35	152.94	53.938		
12,900.00	7,001.00	17,130.00	7,210.02	170.26	271.45	117.76	-5,650.28	-14,176.95	8,149.47	7,996.25	153.22	53.187		
13,000.00	7,001.00	17,130.00	7,210.02	172.08	271.45	117.76	-5,650.28	-14,176.95	8,049.66	7,896.15	153.51	52.436		
13,100.00	7,001.00	17,130.00	7,210.02	173.92	271.45	117.76	-5,650.28	-14,176.95	7,949.86	7,796.05	153.81	51.686		
13,200.00	7,001.00	17,130.00	7,210.02	175.79	271.45	117.76	-5,650.28	-14,176.95	7,850.06	7,695.94	154.12	50.935		
13,300.00	7,001.00	17,130.00	7,210.02	177.68	271.45	117.76	-5,650.28	-14,176.95	7,750.26	7,595.83	154.43	50.185		
13,400.00	7,001.00	17,130.00	7,210.02	179.60	271.45	117.76	-5,650.28	-14,176.95	7,650.47	7,495.71	154.76	49.435		
13,500.00	7,001.00	17,130.00	7,210.02	181.53	271.45	117.76	-5,650.28	-14,176.95	7,550.69	7,395.59	155.09	48.685		
13,600.00	7,001.00	17,130.00	7,210.02	183.49	271.45	117.76	-5,650.28	-14,176.95	7,450.91	7,295.47	155.44	47.935		
13,700.00	7,001.00	17,130.00	7,210.02	185.47	271.45	117.76	-5,650.28	-14,176.95	7,351.13	7,195.34	155.79	47.185		
13,800.00	7,001.00	17,130.00	7,210.02	187.47	271.45	117.76	-5,650.28	-14,176.95	7,251.37	7,095.21	156.16	46.436		
13,900.00	7,001.00	17,130.00	7,210.02	189.49	271.45	117.76	-5,650.28	-14,176.95	7,151.61	6,995.07	156.53	45.687		
14,000.00	7,001.00	17,130.00	7,210.02	191.53	271.45	117.76	-5,650.28	-14,176.95	7,051.85	6,894.93	156.92	44.938		
14,100.00	7,001.00	17,130.00	7,210.02	193.58	271.45	117.76	-5,650.28	-14,176.95	6,952.11	6,794.78	157.32	44.190		
14,200.00	7,001.00	17,130.00	7,210.02	195.66	271.45	117.76	-5,650.28	-14,176.95	6,852.37	6,694.63	157.74	43.442		
14,300.00	7,001.00	17,130.00	7,210.02	197.75	271.45	117.76	-5,650.28	-14,176.95	6,752.63	6,594.47	158.16	42.694		
14,400.00	7,001.00	17,130.00	7,210.02	199.85	271.45	117.76	-5,650.28	-14,176.95	6,652.91	6,494.31	158.61	41.946		
14,500.00	7,001.00	17,130.00	7,210.02	201.98	271.45	117.76	-5,650.28	-14,176.95	6,553.20	6,394.13	159.06	41.199		
14,600.00	7,001.00	17,130.00	7,210.02	204.12	271.45	117.76	-5,650.28	-14,176.95	6,453.49	6,293.96	159.53	40.452		
14,700.00	7,001.00	17,130.00	7,210.02	206.27	271.45	117.76	-5,650.28	-14,176.95	6,353.79	6,193.77	160.02	39.706		
14,800.00	7,001.00	17,130.00	7,210.02	208.45	271.45	117.76	-5,650.28	-14,176.95	6,254.11	6,093.58	160.53	38.960		
14,900.00	7,001.00	17,130.00	7,210.02	210.63	271.45	117.76	-5,650.28	-14,176.95	6,154.43	5,993.38	161.05	38.215		
15,000.00	7,001.00	17,130.00	7,210.02	212.83	271.45	117.76	-5,650.28	-14,176.95	6,054.76	5,893.17	161.59	37.470		
15,100.00	7,001.00	17,130.00	7,210.02	215.04	271.45	117.76	-5,650.28	-14,176.95	5,955.11	5,792.95	162.15	36.725		
15,200.00	7,001.00	17,130.00	7,210.02	217.27	271.45	117.76	-5,650.28	-14,176.95	5,855.46	5,692.73	162.74	35.981		
15,300.00	7,001.00	17,130.00	7,210.02	219.51	271.45	117.76	-5,650.28	-14,176.95	5,755.83	5,592.49	163.34	35.238		
15,400.00	7,001.00	17,130.00	7,210.02	221.76	271.45	117.76	-5,650.28	-14,176.95	5,656.21	5,492.25	163.97	34.496		
15,500.00	7,001.00	17,130.00	7,210.02	224.02	271.45	117.76	-5,650.28	-14,176.95	5,556.61	5,391.99	164.62	33.754		
15,600.00	7,001.00	17,130.00	7,210.02	226.30	271.45	117.76	-5,650.28	-14,176.95	5,457.02	5,291.72	165.30	33.012		
15,700.00	7,001.00	17,130.00	7,210.02	228.58	271.45	117.76	-5,650.28	-14,176.95	5,357.45	5,191.44	166.01	32.272		
15,800.00	7,001.00	17,130.00	7,210.02	230.88	271.45	117.76	-5,650.28	-14,176.95	5,257.89	5,091.14	166.75	31.532		
15,900.00	7,001.00	17,130.00	7,210.02	233.19	271.45	117.76	-5,650.28	-14,176.95	5,158.35	4,990.83	167.51	30.794		
16,000.00	7,001.00	17,130.00	7,210.02	235.50	271.45	117.76	-5,650.28	-14,176.95	5,058.82	4,890.51	168.31	30.056		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1757-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,100.00	7,001.00	17,130.00	7,210.02	237.83	271.45	117.76	-5,650.28	-14,176.95	4,959.32	4,790.17	169.15	29.319		
16,200.00	7,001.00	17,130.00	7,210.02	240.17	271.45	117.76	-5,650.28	-14,176.95	4,859.84	4,689.81	170.02	28.583		
16,300.00	7,001.00	17,130.00	7,210.02	242.52	271.45	117.76	-5,650.28	-14,176.95	4,760.37	4,589.44	170.94	27.849		
16,400.00	7,001.00	17,130.00	7,210.02	244.87	271.45	117.76	-5,650.28	-14,176.95	4,660.93	4,489.04	171.89	27.115		
16,500.00	7,001.00	17,130.00	7,210.02	247.24	271.45	117.76	-5,650.28	-14,176.95	4,561.52	4,388.63	172.89	26.383		
16,600.00	7,001.00	17,130.00	7,210.02	249.61	271.45	117.76	-5,650.28	-14,176.95	4,462.13	4,288.19	173.94	25.653		
16,700.00	7,001.00	17,130.00	7,210.02	251.99	271.45	117.76	-5,650.28	-14,176.95	4,362.77	4,187.73	175.05	24.924		
16,800.00	7,001.00	17,130.00	7,210.02	254.38	271.45	117.76	-5,650.28	-14,176.95	4,263.44	4,087.24	176.20	24.196		
16,900.00	7,001.00	17,130.00	7,210.02	256.78	271.45	117.76	-5,650.28	-14,176.95	4,164.14	3,986.72	177.42	23.471		
17,000.00	7,001.00	17,130.00	7,210.02	259.18	271.45	117.76	-5,650.28	-14,176.95	4,064.88	3,886.18	178.70	22.747		
17,100.00	7,001.00	17,130.00	7,210.02	261.59	271.45	117.76	-5,650.28	-14,176.95	3,965.65	3,785.60	180.05	22.025		
17,200.00	7,001.00	17,130.00	7,210.02	264.01	271.45	117.76	-5,650.28	-14,176.95	3,866.46	3,684.99	181.48	21.305		
17,300.00	7,001.00	17,130.00	7,210.02	266.44	271.45	117.76	-5,650.28	-14,176.95	3,767.32	3,584.33	182.98	20.588		
17,400.00	7,001.00	17,130.00	7,210.02	268.87	271.45	117.76	-5,650.28	-14,176.95	3,668.22	3,483.64	184.58	19.873		
17,500.00	7,001.00	17,130.00	7,210.02	271.31	271.45	117.76	-5,650.28	-14,176.95	3,569.17	3,382.91	186.27	19.162		
17,600.00	7,001.00	17,130.00	7,210.02	273.75	271.45	117.76	-5,650.28	-14,176.95	3,470.18	3,282.12	188.06	18.453		
17,700.00	7,001.00	17,130.00	7,210.02	276.20	271.45	117.76	-5,650.28	-14,176.95	3,371.25	3,181.28	189.96	17.747		
17,800.00	7,001.00	17,130.00	7,210.02	278.66	271.45	117.76	-5,650.28	-14,176.95	3,272.38	3,080.39	191.99	17.044		
17,900.00	7,001.00	17,130.00	7,210.02	281.12	271.45	117.76	-5,650.28	-14,176.95	3,173.58	2,979.43	194.15	16.346		
18,000.00	7,001.00	17,130.00	7,210.02	283.59	271.45	115.13	-5,650.28	-14,176.95	3,074.93	2,878.39	196.54	15.646		
18,100.00	7,001.00	17,130.00	7,210.02	286.09	271.45	111.20	-5,650.28	-14,176.95	2,976.88	2,777.27	199.61	14.913		
18,200.00	7,001.00	17,130.00	7,210.02	288.62	271.45	108.43	-5,650.28	-14,176.95	2,879.70	2,676.17	203.53	14.149		
18,300.00	7,001.00	17,130.00	7,210.02	291.16	271.45	108.43	-5,650.28	-14,176.95	2,783.11	2,575.07	208.05	13.377		
18,400.00	7,001.00	17,130.00	7,210.02	293.71	271.45	108.43	-5,650.28	-14,176.95	2,686.78	2,473.87	212.91	12.619		
18,500.00	7,001.00	17,130.00	7,210.02	296.26	271.45	108.43	-5,650.28	-14,176.95	2,590.72	2,372.57	218.16	11.875		
18,600.00	7,001.00	17,130.00	7,210.02	298.81	271.45	108.43	-5,650.28	-14,176.95	2,494.98	2,271.16	223.82	11.147		
18,700.00	7,001.00	17,130.00	7,210.02	301.36	271.45	108.43	-5,650.28	-14,176.95	2,399.58	2,169.63	229.96	10.435		
18,800.00	7,001.00	17,130.00	7,210.02	303.92	271.45	108.43	-5,650.28	-14,176.95	2,304.57	2,067.97	236.60	9.740		
18,900.00	7,001.00	17,130.00	7,210.02	306.48	271.45	108.43	-5,650.28	-14,176.95	2,210.01	1,966.18	243.83	9.064		
19,000.00	7,001.00	17,130.00	7,210.02	309.04	271.45	108.43	-5,650.28	-14,176.95	2,115.94	1,864.24	251.70	8.407		
19,100.00	7,001.00	17,130.00	7,210.02	311.61	271.45	108.43	-5,650.28	-14,176.95	2,022.44	1,762.16	260.28	7.770		
19,200.00	7,001.00	17,130.00	7,210.02	314.18	271.45	108.43	-5,650.28	-14,176.95	1,929.60	1,659.92	269.67	7.155		
19,300.00	7,001.00	17,130.00	7,210.02	316.75	271.45	108.43	-5,650.28	-14,176.95	1,837.50	1,557.53	279.97	6.563		
19,400.00	7,001.00	17,130.00	7,210.02	319.32	271.45	108.43	-5,650.28	-14,176.95	1,746.28	1,455.00	291.28	5.995		
19,500.00	7,001.00	17,130.00	7,210.02	321.90	271.45	108.43	-5,650.28	-14,176.95	1,656.06	1,352.34	303.73	5.452		
19,600.00	7,001.00	17,130.00	7,210.02	324.48	271.45	108.43	-5,650.28	-14,176.95	1,567.04	1,249.58	317.46	4.936		
19,700.00	7,001.00	17,130.00	7,210.02	327.05	271.45	109.23	-5,650.28	-14,176.95	1,479.06	1,146.67	332.39	4.450		
19,800.00	7,001.00	17,130.00	7,210.02	329.62	271.45	110.48	-5,650.28	-14,176.95	1,391.14	1,043.27	347.87	3.999		
19,900.00	7,001.00	17,130.00	7,210.02	332.16	271.45	111.67	-5,650.28	-14,176.95	1,303.30	939.39	363.91	3.581		
20,000.00	7,001.00	17,130.00	7,210.02	334.70	271.45	111.67	-5,650.28	-14,176.95	1,216.64	835.35	381.29	3.191		
20,100.00	7,001.00	17,130.00	7,210.02	337.24	271.45	111.67	-5,650.28	-14,176.95	1,132.19	731.51	400.68	2.826		
20,200.00	7,001.00	17,130.00	7,210.02	339.79	271.45	111.67	-5,650.28	-14,176.95	1,050.46	628.23	422.23	2.488		
20,300.00	7,001.00	17,130.00	7,210.02	342.34	271.45	111.67	-5,650.28	-14,176.95	972.16	526.15	446.01	2.180		
20,400.00	7,001.00	17,130.00	7,210.02	344.89	271.45	111.67	-5,650.28	-14,176.95	898.18	426.32	471.87	1.903		
20,500.00	7,001.00	17,130.00	7,210.02	347.44	271.45	111.67	-5,650.28	-14,176.95	829.67	330.40	499.28	1.662		
20,600.00	7,001.00	17,130.00	7,210.02	350.00	271.45	111.67	-5,650.28	-14,176.95	768.11	241.02	527.09	1.457	Level 3	
20,683.43	7,001.00	17,130.00	7,210.02	351.63	271.45	111.67	-5,650.28	-14,176.95	723.34	174.53	548.81	1.318	Level 3, CC, ES, SF	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1662-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,900.00	7,001.00	16,905.00	6,998.53	139.72	271.34	94.64	-5,838.46	-14,178.90	10,139.10	9,994.74	144.36	70.234		
11,000.00	7,001.00	16,905.00	6,998.53	140.95	271.34	94.64	-5,838.46	-14,178.90	10,039.14	9,894.68	144.46	69.496		
11,100.00	7,001.00	16,905.00	6,998.53	142.22	271.34	94.64	-5,838.46	-14,178.90	9,939.17	9,794.61	144.55	68.757		
11,200.00	7,001.00	16,905.00	6,998.53	143.52	271.34	94.64	-5,838.46	-14,178.90	9,839.20	9,694.55	144.65	68.018		
11,300.00	7,001.00	16,905.00	6,998.53	144.85	271.34	94.64	-5,838.46	-14,178.90	9,739.23	9,594.48	144.76	67.280		
11,400.00	7,001.00	16,905.00	6,998.53	146.21	271.34	94.64	-5,838.46	-14,178.90	9,639.27	9,494.41	144.86	66.541		
11,500.00	7,001.00	16,905.00	6,998.53	147.61	271.34	94.64	-5,838.46	-14,178.90	9,539.30	9,394.33	144.97	65.802		
11,600.00	7,001.00	16,905.00	6,998.53	149.03	271.34	94.64	-5,838.46	-14,178.90	9,439.34	9,294.26	145.08	65.063		
11,700.00	7,001.00	16,905.00	6,998.53	150.49	271.34	94.64	-5,838.46	-14,178.90	9,339.38	9,194.18	145.19	64.325		
11,800.00	7,001.00	16,905.00	6,998.53	151.98	271.34	94.64	-5,838.46	-14,178.90	9,239.41	9,094.11	145.31	63.586		
11,900.00	7,001.00	16,905.00	6,998.53	153.50	271.34	94.64	-5,838.46	-14,178.90	9,139.45	8,994.03	145.42	62.847		
12,000.00	7,001.00	16,905.00	6,998.53	155.05	271.34	94.64	-5,838.46	-14,178.90	9,039.49	8,893.95	145.54	62.108		
12,100.00	7,001.00	16,905.00	6,998.53	156.62	271.34	94.64	-5,838.46	-14,178.90	8,939.53	8,793.86	145.67	61.370		
12,200.00	7,001.00	16,905.00	6,998.53	158.23	271.34	94.64	-5,838.46	-14,178.90	8,839.57	8,693.78	145.79	60.631		
12,300.00	7,001.00	16,905.00	6,998.53	159.87	271.34	94.64	-5,838.46	-14,178.90	8,739.61	8,593.69	145.92	59.892		
12,400.00	7,001.00	16,905.00	6,998.53	161.53	271.34	94.64	-5,838.46	-14,178.90	8,639.65	8,493.60	146.06	59.153		
12,500.00	7,001.00	16,905.00	6,998.53	163.22	271.34	94.64	-5,838.46	-14,178.90	8,539.70	8,393.51	146.19	58.414		
12,600.00	7,001.00	16,905.00	6,998.53	164.94	271.34	94.64	-5,838.46	-14,178.90	8,439.74	8,293.41	146.33	57.676		
12,700.00	7,001.00	16,905.00	6,998.53	166.69	271.34	94.64	-5,838.46	-14,178.90	8,339.79	8,193.31	146.47	56.937		
12,800.00	7,001.00	16,905.00	6,998.53	168.46	271.34	94.64	-5,838.46	-14,178.90	8,239.83	8,093.21	146.62	56.198		
12,900.00	7,001.00	16,905.00	6,998.53	170.26	271.34	94.64	-5,838.46	-14,178.90	8,139.88	7,993.11	146.77	55.459		
13,000.00	7,001.00	16,905.00	6,998.53	172.08	271.34	94.64	-5,838.46	-14,178.90	8,039.93	7,893.01	146.93	54.721		
13,100.00	7,001.00	16,905.00	6,998.53	173.92	271.34	94.64	-5,838.46	-14,178.90	7,939.98	7,792.90	147.09	53.982		
13,200.00	7,001.00	16,905.00	6,998.53	175.79	271.34	94.64	-5,838.46	-14,178.90	7,840.03	7,692.79	147.25	53.244		
13,300.00	7,001.00	16,905.00	6,998.53	177.68	271.34	94.64	-5,838.46	-14,178.90	7,740.09	7,592.67	147.42	52.505		
13,400.00	7,001.00	16,905.00	6,998.53	179.60	271.34	94.64	-5,838.46	-14,178.90	7,640.14	7,492.55	147.59	51.766		
13,500.00	7,001.00	16,905.00	6,998.53	181.53	271.34	94.64	-5,838.46	-14,178.90	7,540.20	7,392.43	147.77	51.028		
13,600.00	7,001.00	16,905.00	6,998.53	183.49	271.34	94.64	-5,838.46	-14,178.90	7,440.25	7,292.31	147.95	50.290		
13,700.00	7,001.00	16,905.00	6,998.53	185.47	271.34	94.64	-5,838.46	-14,178.90	7,340.31	7,192.18	148.14	49.551		
13,800.00	7,001.00	16,905.00	6,998.53	187.47	271.34	94.64	-5,838.46	-14,178.90	7,240.37	7,092.04	148.33	48.813		
13,900.00	7,001.00	16,905.00	6,998.53	189.49	271.34	94.64	-5,838.46	-14,178.90	7,140.44	6,991.91	148.53	48.074		
14,000.00	7,001.00	16,905.00	6,998.53	191.53	271.34	94.64	-5,838.46	-14,178.90	7,040.50	6,891.77	148.73	47.336		
14,100.00	7,001.00	16,905.00	6,998.53	193.58	271.34	94.64	-5,838.46	-14,178.90	6,940.57	6,791.62	148.95	46.598		
14,200.00	7,001.00	16,905.00	6,998.53	195.66	271.34	94.64	-5,838.46	-14,178.90	6,840.63	6,691.47	149.16	45.860		
14,300.00	7,001.00	16,905.00	6,998.53	197.75	271.34	94.64	-5,838.46	-14,178.90	6,740.70	6,591.31	149.39	45.122		
14,400.00	7,001.00	16,905.00	6,998.53	199.85	271.34	94.64	-5,838.46	-14,178.90	6,640.77	6,491.15	149.62	44.384		
14,500.00	7,001.00	16,905.00	6,998.53	201.98	271.34	94.64	-5,838.46	-14,178.90	6,540.85	6,390.99	149.86	43.646		
14,600.00	7,001.00	16,905.00	6,998.53	204.12	271.34	94.64	-5,838.46	-14,178.90	6,440.93	6,290.82	150.11	42.908		
14,700.00	7,001.00	16,905.00	6,998.53	206.27	271.34	94.64	-5,838.46	-14,178.90	6,341.00	6,190.64	150.37	42.171		
14,800.00	7,001.00	16,905.00	6,998.53	208.45	271.34	94.64	-5,838.46	-14,178.90	6,241.09	6,090.45	150.63	41.433		
14,900.00	7,001.00	16,905.00	6,998.53	210.63	271.34	94.64	-5,838.46	-14,178.90	6,141.17	5,990.26	150.91	40.695		
15,000.00	7,001.00	16,905.00	6,998.53	212.83	271.34	94.64	-5,838.46	-14,178.90	6,041.26	5,890.07	151.19	39.958		
15,100.00	7,001.00	16,905.00	6,998.53	215.04	271.34	94.64	-5,838.46	-14,178.90	5,941.35	5,789.86	151.49	39.221		
15,200.00	7,001.00	16,905.00	6,998.53	217.27	271.34	94.64	-5,838.46	-14,178.90	5,841.44	5,689.65	151.79	38.483		
15,300.00	7,001.00	16,905.00	6,998.53	219.51	271.34	94.64	-5,838.46	-14,178.90	5,741.53	5,589.43	152.11	37.746		
15,400.00	7,001.00	16,905.00	6,998.53	221.76	271.34	94.64	-5,838.46	-14,178.90	5,641.63	5,489.20	152.44	37.009		
15,500.00	7,001.00	16,905.00	6,998.53	224.02	271.34	94.64	-5,838.46	-14,178.90	5,541.74	5,388.96	152.78	36.273		
15,600.00	7,001.00	16,905.00	6,998.53	226.30	271.34	94.64	-5,838.46	-14,178.90	5,441.84	5,288.71	153.14	35.536		
15,700.00	7,001.00	16,905.00	6,998.53	228.58	271.34	94.64	-5,838.46	-14,178.90	5,341.95	5,188.45	153.51	34.800		
15,800.00	7,001.00	16,905.00	6,998.53	230.88	271.34	94.64	-5,838.46	-14,178.90	5,242.07	5,088.18	153.89	34.063		
15,900.00	7,001.00	16,905.00	6,998.53	233.19	271.34	94.64	-5,838.46	-14,178.90	5,142.19	4,987.89	154.29	33.327		
16,000.00	7,001.00	16,905.00	6,998.53	235.50	271.34	94.64	-5,838.46	-14,178.90	5,042.31	4,887.60	154.71	32.591		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 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	7,001.00	16,905.00	6,998.53	237.83	271.34	94.64	-5,838.46	-14,178.90	4,942.44	4,787.29	155.15	31.855		
16,200.00	7,001.00	16,905.00	6,998.53	240.17	271.34	94.64	-5,838.46	-14,178.90	4,842.57	4,686.96	155.61	31.120		
16,300.00	7,001.00	16,905.00	6,998.53	242.52	271.34	94.64	-5,838.46	-14,178.90	4,742.71	4,586.63	156.09	30.385		
16,400.00	7,001.00	16,905.00	6,998.53	244.87	271.34	94.64	-5,838.46	-14,178.90	4,642.86	4,486.27	156.59	29.650		
16,500.00	7,001.00	16,905.00	6,998.53	247.24	271.34	94.64	-5,838.46	-14,178.90	4,543.01	4,385.90	157.12	28.915		
16,600.00	7,001.00	16,905.00	6,998.53	249.61	271.34	94.64	-5,838.46	-14,178.90	4,443.17	4,285.50	157.67	28.181		
16,700.00	7,001.00	16,905.00	6,998.53	251.99	271.34	94.64	-5,838.46	-14,178.90	4,343.34	4,185.09	158.25	27.447		
16,800.00	7,001.00	16,905.00	6,998.53	254.38	271.34	94.64	-5,838.46	-14,178.90	4,243.51	4,084.66	158.86	26.713		
16,900.00	7,001.00	16,905.00	6,998.53	256.78	271.34	94.64	-5,838.46	-14,178.90	4,143.70	3,984.20	159.50	25.980		
17,000.00	7,001.00	16,905.00	6,998.53	259.18	271.34	94.64	-5,838.46	-14,178.90	4,043.89	3,883.71	160.17	25.247		
17,100.00	7,001.00	16,905.00	6,998.53	261.59	271.34	94.64	-5,838.46	-14,178.90	3,944.09	3,783.20	160.89	24.514		
17,200.00	7,001.00	16,905.00	6,998.53	264.01	271.34	94.64	-5,838.46	-14,178.90	3,844.30	3,682.66	161.64	23.783		
17,300.00	7,001.00	16,905.00	6,998.53	266.44	271.34	94.64	-5,838.46	-14,178.90	3,744.53	3,582.08	162.44	23.051		
17,400.00	7,001.00	16,905.00	6,998.53	268.87	271.34	94.64	-5,838.46	-14,178.90	3,644.76	3,481.47	163.29	22.321		
17,500.00	7,001.00	16,905.00	6,998.53	271.31	271.34	94.64	-5,838.46	-14,178.90	3,545.01	3,380.82	164.19	21.591		
17,600.00	7,001.00	16,905.00	6,998.53	273.75	271.34	94.64	-5,838.46	-14,178.90	3,445.27	3,280.13	165.15	20.862		
17,700.00	7,001.00	16,905.00	6,998.53	276.20	271.34	94.64	-5,838.46	-14,178.90	3,345.55	3,179.39	166.17	20.134		
17,800.00	7,001.00	16,905.00	6,998.53	278.66	271.34	94.64	-5,838.46	-14,178.90	3,245.85	3,078.59	167.26	19.406		
17,900.00	7,001.00	16,905.00	6,998.53	281.12	271.34	94.64	-5,838.46	-14,178.90	3,146.17	2,977.74	168.42	18.680		
18,000.00	7,001.00	16,905.00	6,998.53	283.59	271.34	93.83	-5,838.46	-14,178.90	3,046.54	2,876.80	169.74	17.948		
18,100.00	7,001.00	16,905.00	6,998.53	286.09	271.34	92.86	-5,838.46	-14,178.90	2,947.27	2,775.63	171.64	17.171		
18,200.00	7,001.00	16,905.00	6,998.53	288.62	271.34	92.31	-5,838.46	-14,178.90	2,848.55	2,674.27	174.29	16.344		
18,300.00	7,001.00	16,905.00	6,998.53	291.16	271.34	92.31	-5,838.46	-14,178.90	2,750.22	2,572.78	177.45	15.499		
18,400.00	7,001.00	16,905.00	6,998.53	293.71	271.34	92.31	-5,838.46	-14,178.90	2,652.01	2,471.13	180.88	14.662		
18,500.00	7,001.00	16,905.00	6,998.53	296.26	271.34	92.31	-5,838.46	-14,178.90	2,553.95	2,369.32	184.62	13.833		
18,600.00	7,001.00	16,905.00	6,998.53	298.81	271.34	92.31	-5,838.46	-14,178.90	2,456.04	2,267.33	188.71	13.015		
18,700.00	7,001.00	16,905.00	6,998.53	301.36	271.34	92.31	-5,838.46	-14,178.90	2,358.30	2,165.12	193.18	12.208		
18,800.00	7,001.00	16,905.00	6,998.53	303.92	271.34	92.31	-5,838.46	-14,178.90	2,260.76	2,062.69	198.07	11.414		
18,900.00	7,001.00	16,905.00	6,998.53	306.48	271.34	92.31	-5,838.46	-14,178.90	2,163.45	1,959.99	203.46	10.633		
19,000.00	7,001.00	16,905.00	6,998.53	309.04	271.34	92.31	-5,838.46	-14,178.90	2,066.39	1,857.00	209.39	9.869		
19,100.00	7,001.00	16,905.00	6,998.53	311.61	271.34	92.31	-5,838.46	-14,178.90	1,969.63	1,753.69	215.94	9.121		
19,200.00	7,001.00	16,905.00	6,998.53	314.18	271.34	92.31	-5,838.46	-14,178.90	1,873.20	1,650.00	223.21	8.392		
19,300.00	7,001.00	16,905.00	6,998.53	316.75	271.34	92.31	-5,838.46	-14,178.90	1,777.18	1,545.88	231.29	7.684		
19,400.00	7,001.00	16,905.00	6,998.53	319.32	271.34	92.31	-5,838.46	-14,178.90	1,681.61	1,441.29	240.32	6.997		
19,500.00	7,001.00	16,905.00	6,998.53	321.90	271.34	92.31	-5,838.46	-14,178.90	1,586.60	1,336.15	250.45	6.335		
19,600.00	7,001.00	16,905.00	6,998.53	324.48	271.34	92.31	-5,838.46	-14,178.90	1,492.23	1,230.38	261.85	5.699		
19,700.00	7,001.00	16,905.00	6,998.53	327.05	271.34	92.46	-5,838.46	-14,178.90	1,398.37	1,123.90	274.47	5.095		
19,800.00	7,001.00	16,905.00	6,998.53	329.62	271.34	92.71	-5,838.46	-14,178.90	1,304.23	1,016.64	287.59	4.535		
19,900.00	7,001.00	16,905.00	6,998.53	332.16	271.34	92.97	-5,838.46	-14,178.90	1,209.78	908.54	301.23	4.016		
20,000.00	7,001.00	16,905.00	6,998.53	334.70	271.34	92.97	-5,838.46	-14,178.90	1,115.77	799.36	316.41	3.526		
20,100.00	7,001.00	16,905.00	6,998.53	337.24	271.34	92.97	-5,838.46	-14,178.90	1,022.91	688.78	334.12	3.061		
20,200.00	7,001.00	16,905.00	6,998.53	339.79	271.34	92.97	-5,838.46	-14,178.90	931.52	576.56	354.95	2.624		
20,300.00	7,001.00	16,905.00	6,998.53	342.34	271.34	92.97	-5,838.46	-14,178.90	842.09	462.49	379.60	2.218		
20,400.00	7,001.00	16,905.00	6,998.53	344.89	271.34	92.97	-5,838.46	-14,178.90	755.32	346.44	408.88	1.847		
20,500.00	7,001.00	16,905.00	6,998.53	347.44	271.34	92.97	-5,838.46	-14,178.90	672.23	228.64	443.59	1.515		
20,600.00	7,001.00	16,905.00	6,998.53	350.00	271.34	92.97	-5,838.46	-14,178.90	594.38	110.24	484.14	1.228	Level 2	
20,683.43	7,001.00	16,905.00	6,998.53	351.63	271.34	92.97	-5,838.46	-14,178.90	535.09	13.23	521.86	1.025	Level 2, CC, ES, SF	

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1662-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,000.00	7,001.00	17,004.00	7,125.88	140.95	269.94	-146.71	-6,188.21	-14,220.30	10,078.43	9,937.54	140.89	71.535		
11,100.00	7,001.00	17,004.00	7,125.88	142.22	269.94	-146.71	-6,188.21	-14,220.30	9,978.44	9,837.57	140.87	70.835		
11,200.00	7,001.00	17,004.00	7,125.88	143.52	269.94	-146.71	-6,188.21	-14,220.30	9,878.46	9,737.61	140.85	70.135		
11,300.00	7,001.00	17,004.00	7,125.88	144.85	269.94	-146.71	-6,188.21	-14,220.30	9,778.48	9,637.65	140.83	69.435		
11,400.00	7,001.00	17,004.00	7,125.88	146.21	269.94	-146.71	-6,188.21	-14,220.30	9,678.49	9,537.68	140.81	68.735		
11,500.00	7,001.00	17,004.00	7,125.88	147.61	269.94	-146.71	-6,188.21	-14,220.30	9,578.51	9,437.72	140.79	68.035		
11,600.00	7,001.00	17,004.00	7,125.88	149.03	269.94	-146.71	-6,188.21	-14,220.30	9,478.53	9,337.76	140.77	67.335		
11,700.00	7,001.00	17,004.00	7,125.88	150.49	269.94	-146.71	-6,188.21	-14,220.30	9,378.54	9,237.80	140.75	66.635		
11,800.00	7,001.00	17,004.00	7,125.88	151.98	269.94	-146.71	-6,188.21	-14,220.30	9,278.56	9,137.84	140.72	65.934		
11,900.00	7,001.00	17,004.00	7,125.88	153.50	269.94	-146.71	-6,188.21	-14,220.30	9,178.58	9,037.88	140.70	65.234		
12,000.00	7,001.00	17,004.00	7,125.88	155.05	269.94	-146.71	-6,188.21	-14,220.30	9,078.60	8,937.92	140.68	64.534		
12,100.00	7,001.00	17,004.00	7,125.88	156.62	269.94	-146.71	-6,188.21	-14,220.30	8,978.62	8,837.96	140.66	63.834		
12,200.00	7,001.00	17,004.00	7,125.88	158.23	269.94	-146.71	-6,188.21	-14,220.30	8,878.64	8,738.01	140.63	63.134		
12,300.00	7,001.00	17,004.00	7,125.88	159.87	269.94	-146.71	-6,188.21	-14,220.30	8,778.66	8,638.05	140.61	62.434		
12,400.00	7,001.00	17,004.00	7,125.88	161.53	269.94	-146.71	-6,188.21	-14,220.30	8,678.68	8,538.09	140.58	61.733		
12,500.00	7,001.00	17,004.00	7,125.88	163.22	269.94	-146.71	-6,188.21	-14,220.30	8,578.70	8,438.14	140.56	61.033		
12,600.00	7,001.00	17,004.00	7,125.88	164.94	269.94	-146.71	-6,188.21	-14,220.30	8,478.72	8,338.19	140.53	60.333		
12,700.00	7,001.00	17,004.00	7,125.88	166.69	269.94	-146.71	-6,188.21	-14,220.30	8,378.74	8,238.24	140.51	59.633		
12,800.00	7,001.00	17,004.00	7,125.88	168.46	269.94	-146.71	-6,188.21	-14,220.30	8,278.77	8,138.29	140.48	58.933		
12,900.00	7,001.00	17,004.00	7,125.88	170.26	269.94	-146.71	-6,188.21	-14,220.30	8,178.79	8,038.34	140.45	58.233		
13,000.00	7,001.00	17,004.00	7,125.88	172.08	269.94	-146.71	-6,188.21	-14,220.30	8,078.81	7,938.39	140.42	57.533		
13,100.00	7,001.00	17,004.00	7,125.88	173.92	269.94	-146.71	-6,188.21	-14,220.30	7,978.84	7,838.44	140.39	56.833		
13,200.00	7,001.00	17,004.00	7,125.88	175.79	269.94	-146.71	-6,188.21	-14,220.30	7,878.86	7,738.50	140.36	56.133		
13,300.00	7,001.00	17,004.00	7,125.88	177.68	269.94	-146.71	-6,188.21	-14,220.30	7,778.89	7,638.56	140.33	55.433		
13,400.00	7,001.00	17,004.00	7,125.88	179.60	269.94	-146.71	-6,188.21	-14,220.30	7,678.91	7,538.61	140.30	54.733		
13,500.00	7,001.00	17,004.00	7,125.88	181.53	269.94	-146.71	-6,188.21	-14,220.30	7,578.94	7,438.67	140.27	54.033		
13,600.00	7,001.00	17,004.00	7,125.88	183.49	269.94	-146.71	-6,188.21	-14,220.30	7,478.97	7,338.74	140.23	53.333		
13,700.00	7,001.00	17,004.00	7,125.88	185.47	269.94	-146.71	-6,188.21	-14,220.30	7,379.00	7,238.80	140.20	52.633		
13,800.00	7,001.00	17,004.00	7,125.88	187.47	269.94	-146.71	-6,188.21	-14,220.30	7,279.02	7,138.86	140.16	51.933		
13,900.00	7,001.00	17,004.00	7,125.88	189.49	269.94	-146.71	-6,188.21	-14,220.30	7,179.05	7,038.93	140.12	51.233		
14,000.00	7,001.00	17,004.00	7,125.88	191.53	269.94	-146.71	-6,188.21	-14,220.30	7,079.09	6,939.00	140.09	50.534		
14,100.00	7,001.00	17,004.00	7,125.88	193.58	269.94	-146.71	-6,188.21	-14,220.30	6,979.12	6,839.07	140.05	49.834		
14,200.00	7,001.00	17,004.00	7,125.88	195.66	269.94	-146.71	-6,188.21	-14,220.30	6,879.15	6,739.14	140.01	49.134		
14,300.00	7,001.00	17,004.00	7,125.88	197.75	269.94	-146.71	-6,188.21	-14,220.30	6,779.18	6,639.22	139.97	48.434		
14,400.00	7,001.00	17,004.00	7,125.88	199.85	269.94	-146.71	-6,188.21	-14,220.30	6,679.22	6,539.29	139.92	47.735		
14,500.00	7,001.00	17,004.00	7,125.88	201.98	269.94	-146.71	-6,188.21	-14,220.30	6,579.25	6,439.37	139.88	47.035		
14,600.00	7,001.00	17,004.00	7,125.88	204.12	269.94	-146.71	-6,188.21	-14,220.30	6,479.29	6,339.46	139.83	46.336		
14,700.00	7,001.00	17,004.00	7,125.88	206.27	269.94	-146.71	-6,188.21	-14,220.30	6,379.33	6,239.54	139.79	45.636		
14,800.00	7,001.00	17,004.00	7,125.88	208.45	269.94	-146.71	-6,188.21	-14,220.30	6,279.37	6,139.63	139.74	44.937		
14,900.00	7,001.00	17,004.00	7,125.88	210.63	269.94	-146.71	-6,188.21	-14,220.30	6,179.41	6,039.72	139.69	44.238		
15,000.00	7,001.00	17,004.00	7,125.88	212.83	269.94	-146.71	-6,188.21	-14,220.30	6,079.45	5,939.81	139.63	43.538		
15,100.00	7,001.00	17,004.00	7,125.88	215.04	269.94	-146.71	-6,188.21	-14,220.30	5,979.49	5,839.91	139.58	42.839		
15,200.00	7,001.00	17,004.00	7,125.88	217.27	269.94	-146.71	-6,188.21	-14,220.30	5,879.54	5,740.01	139.52	42.140		
15,300.00	7,001.00	17,004.00	7,125.88	219.51	269.94	-146.71	-6,188.21	-14,220.30	5,779.58	5,640.12	139.47	41.441		
15,400.00	7,001.00	17,004.00	7,125.88	221.76	269.94	-146.71	-6,188.21	-14,220.30	5,679.63	5,540.22	139.41	40.742		
15,500.00	7,001.00	17,004.00	7,125.88	224.02	269.94	-146.71	-6,188.21	-14,220.30	5,579.68	5,440.34	139.34	40.043		
15,600.00	7,001.00	17,004.00	7,125.88	226.30	269.94	-146.71	-6,188.21	-14,220.30	5,479.73	5,340.45	139.28	39.344		
15,700.00	7,001.00	17,004.00	7,125.88	228.58	269.94	-146.71	-6,188.21	-14,220.30	5,379.78	5,240.57	139.21	38.645		
15,800.00	7,001.00	17,004.00	7,125.88	230.88	269.94	-146.71	-6,188.21	-14,220.30	5,279.84	5,140.70	139.14	37.946		
15,900.00	7,001.00	17,004.00	7,125.88	233.19	269.94	-146.71	-6,188.21	-14,220.30	5,179.90	5,040.83	139.07	37.247		
16,000.00	7,001.00	17,004.00	7,125.88	235.50	269.94	-146.71	-6,188.21	-14,220.30	5,079.96	4,940.96	138.99	36.548		
16,100.00	7,001.00	17,004.00	7,125.88	237.83	269.94	-146.71	-6,188.21	-14,220.30	4,980.02	4,841.10	138.92	35.849		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1662-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,200.00	7,001.00	17,004.00	7,125.88	240.17	269.94	-146.71	-6,188.21	-14,220.30	4,880.08	4,741.25	138.83	35.151		
16,300.00	7,001.00	17,004.00	7,125.88	242.52	269.94	-146.71	-6,188.21	-14,220.30	4,780.15	4,641.40	138.75	34.452		
16,400.00	7,001.00	17,004.00	7,125.88	244.87	269.94	-146.71	-6,188.21	-14,220.30	4,680.22	4,541.56	138.66	33.753		
16,500.00	7,001.00	17,004.00	7,125.88	247.24	269.94	-146.71	-6,188.21	-14,220.30	4,580.29	4,441.73	138.57	33.055		
16,600.00	7,001.00	17,004.00	7,125.88	249.61	269.94	-146.71	-6,188.21	-14,220.30	4,480.37	4,341.90	138.47	32.356		
16,700.00	7,001.00	17,004.00	7,125.88	251.99	269.94	-146.71	-6,188.21	-14,220.30	4,380.45	4,242.08	138.37	31.658		
16,800.00	7,001.00	17,004.00	7,125.88	254.38	269.94	-146.71	-6,188.21	-14,220.30	4,280.53	4,142.27	138.26	30.959		
16,900.00	7,001.00	17,004.00	7,125.88	256.78	269.94	-146.71	-6,188.21	-14,220.30	4,180.62	4,042.46	138.15	30.260		
17,000.00	7,001.00	17,004.00	7,125.88	259.18	269.94	-146.71	-6,188.21	-14,220.30	4,080.71	3,942.67	138.04	29.562		
17,100.00	7,001.00	17,004.00	7,125.88	261.59	269.94	-146.71	-6,188.21	-14,220.30	3,980.81	3,842.89	137.92	28.863		
17,200.00	7,001.00	17,004.00	7,125.88	264.01	269.94	-146.71	-6,188.21	-14,220.30	3,880.91	3,743.12	137.79	28.165		
17,300.00	7,001.00	17,004.00	7,125.88	266.44	269.94	-146.71	-6,188.21	-14,220.30	3,781.02	3,643.35	137.66	27.466		
17,400.00	7,001.00	17,004.00	7,125.88	268.87	269.94	-146.71	-6,188.21	-14,220.30	3,681.13	3,543.61	137.52	26.768		
17,500.00	7,001.00	17,004.00	7,125.88	271.31	269.94	-146.71	-6,188.21	-14,220.30	3,581.25	3,443.87	137.38	26.069		
17,600.00	7,001.00	17,004.00	7,125.88	273.75	269.94	-146.71	-6,188.21	-14,220.30	3,481.37	3,344.15	137.22	25.370		
17,700.00	7,001.00	17,004.00	7,125.88	276.20	269.94	-146.71	-6,188.21	-14,220.30	3,381.51	3,244.44	137.06	24.671		
17,800.00	7,001.00	17,004.00	7,125.88	278.66	269.94	-146.71	-6,188.21	-14,220.30	3,281.65	3,144.75	136.89	23.972		
17,900.00	7,001.00	17,004.00	7,125.88	281.12	269.94	-146.71	-6,188.21	-14,220.30	3,181.80	3,045.08	136.72	23.273		
18,000.00	7,001.00	17,004.00	7,125.88	283.59	269.94	-163.96	-6,188.21	-14,220.30	3,081.94	2,945.39	136.55	22.570		
18,100.00	7,001.00	17,004.00	7,125.88	286.09	269.94	156.86	-6,188.21	-14,220.30	2,982.07	2,845.52	136.55	21.838		
18,200.00	7,001.00	17,004.00	7,125.88	288.62	269.94	132.07	-6,188.21	-14,220.30	2,882.28	2,745.52	136.76	21.075		
18,300.00	7,001.00	17,004.00	7,125.88	291.16	269.94	132.07	-6,188.21	-14,220.30	2,782.58	2,645.48	137.10	20.295		
18,400.00	7,001.00	17,004.00	7,125.88	293.71	269.94	132.07	-6,188.21	-14,220.30	2,682.91	2,545.43	137.48	19.515		
18,500.00	7,001.00	17,004.00	7,125.88	296.26	269.94	132.07	-6,188.21	-14,220.30	2,583.26	2,445.36	137.91	18.732		
18,600.00	7,001.00	17,004.00	7,125.88	298.81	269.94	132.07	-6,188.21	-14,220.30	2,483.64	2,345.26	138.38	17.948		
18,700.00	7,001.00	17,004.00	7,125.88	301.36	269.94	132.07	-6,188.21	-14,220.30	2,384.05	2,245.14	138.92	17.162		
18,800.00	7,001.00	17,004.00	7,125.88	303.92	269.94	132.07	-6,188.21	-14,220.30	2,284.50	2,144.97	139.53	16.373		
18,900.00	7,001.00	17,004.00	7,125.88	306.48	269.94	132.07	-6,188.21	-14,220.30	2,184.99	2,044.76	140.23	15.581		
19,000.00	7,001.00	17,004.00	7,125.88	309.04	269.94	132.07	-6,188.21	-14,220.30	2,085.53	1,944.49	141.04	14.787		
19,100.00	7,001.00	17,004.00	7,125.88	311.61	269.94	132.07	-6,188.21	-14,220.30	1,986.12	1,844.14	141.98	13.989		
19,200.00	7,001.00	17,004.00	7,125.88	314.18	269.94	132.07	-6,188.21	-14,220.30	1,886.77	1,743.68	143.08	13.186		
19,300.00	7,001.00	17,004.00	7,125.88	316.75	269.94	132.07	-6,188.21	-14,220.30	1,787.49	1,643.11	144.39	12.380		
19,400.00	7,001.00	17,004.00	7,125.88	319.32	269.94	132.07	-6,188.21	-14,220.30	1,688.30	1,542.36	145.95	11.568		
19,500.00	7,001.00	17,004.00	7,125.88	321.90	269.94	132.07	-6,188.21	-14,220.30	1,589.22	1,441.40	147.82	10.751		
19,600.00	7,001.00	17,004.00	7,125.88	324.48	269.94	132.07	-6,188.21	-14,220.30	1,490.25	1,340.16	150.09	9.929		
19,700.00	7,001.00	17,004.00	7,125.88	327.05	269.94	138.44	-6,188.21	-14,220.30	1,391.35	1,238.67	152.68	9.113		
19,800.00	7,001.00	17,004.00	7,125.88	329.62	269.94	150.19	-6,188.21	-14,220.30	1,292.28	1,137.41	154.87	8.344		
19,900.00	7,001.00	17,004.00	7,125.88	332.16	269.94	162.80	-6,188.21	-14,220.30	1,193.13	1,036.72	156.41	7.628		
20,000.00	7,001.00	17,004.00	7,125.88	334.70	269.94	162.80	-6,188.21	-14,220.30	1,094.05	936.28	157.77	6.935		
20,100.00	7,001.00	17,004.00	7,125.88	337.24	269.94	162.80	-6,188.21	-14,220.30	995.16	835.69	159.46	6.241		
20,200.00	7,001.00	17,004.00	7,125.88	339.79	269.94	162.80	-6,188.21	-14,220.30	896.51	734.88	161.62	5.547		
20,300.00	7,001.00	17,004.00	7,125.88	342.34	269.94	162.80	-6,188.21	-14,220.30	798.20	633.76	164.44	4.854		
20,400.00	7,001.00	17,004.00	7,125.88	344.89	269.94	162.80	-6,188.21	-14,220.30	700.36	532.15	168.22	4.163		
20,500.00	7,001.00	17,004.00	7,125.88	347.44	269.94	162.80	-6,188.21	-14,220.30	603.24	429.80	173.44	3.478		
20,600.00	7,001.00	17,004.00	7,125.88	350.00	269.94	162.80	-6,188.21	-14,220.30	507.24	326.30	180.94	2.803		
20,683.43	7,001.00	17,004.00	7,125.88	351.63	269.94	162.80	-6,188.21	-14,220.30	428.55	237.88	190.67	2.248	CC, ES, SF	

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design Sec 5-T6N-R67W - VARRA 7 - Wellbore #1 - Wellbore #1													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,000.00	7,001.00	17,100.00	7,247.03	140.95	270.51	-144.39	-6,283.84	-14,183.49	10,045.38	9,904.83	140.56	71.469		
11,100.00	7,001.00	17,100.00	7,247.03	142.22	270.51	-144.39	-6,283.84	-14,183.49	9,945.44	9,804.92	140.51	70.780		
11,200.00	7,001.00	17,100.00	7,247.03	143.52	270.51	-144.39	-6,283.84	-14,183.49	9,845.49	9,705.02	140.47	70.090		
11,300.00	7,001.00	17,100.00	7,247.03	144.85	270.51	-144.39	-6,283.84	-14,183.49	9,745.55	9,605.13	140.42	69.401		
11,400.00	7,001.00	17,100.00	7,247.03	146.21	270.51	-144.39	-6,283.84	-14,183.49	9,645.61	9,505.23	140.38	68.711		
11,500.00	7,001.00	17,100.00	7,247.03	147.61	270.51	-144.39	-6,283.84	-14,183.49	9,545.67	9,405.33	140.33	68.021		
11,600.00	7,001.00	17,100.00	7,247.03	149.03	270.51	-144.39	-6,283.84	-14,183.49	9,445.73	9,305.44	140.29	67.331		
11,700.00	7,001.00	17,100.00	7,247.03	150.49	270.51	-144.39	-6,283.84	-14,183.49	9,345.79	9,205.55	140.24	66.642		
11,800.00	7,001.00	17,100.00	7,247.03	151.98	270.51	-144.39	-6,283.84	-14,183.49	9,245.85	9,105.66	140.19	65.952		
11,900.00	7,001.00	17,100.00	7,247.03	153.50	270.51	-144.39	-6,283.84	-14,183.49	9,145.92	9,005.78	140.14	65.262		
12,000.00	7,001.00	17,100.00	7,247.03	155.05	270.51	-144.39	-6,283.84	-14,183.49	9,045.99	8,905.89	140.09	64.572		
12,100.00	7,001.00	17,100.00	7,247.03	156.62	270.51	-144.39	-6,283.84	-14,183.49	8,946.05	8,806.01	140.04	63.882		
12,200.00	7,001.00	17,100.00	7,247.03	158.23	270.51	-144.39	-6,283.84	-14,183.49	8,846.12	8,706.13	139.99	63.192		
12,300.00	7,001.00	17,100.00	7,247.03	159.87	270.51	-144.39	-6,283.84	-14,183.49	8,746.19	8,606.26	139.94	62.502		
12,400.00	7,001.00	17,100.00	7,247.03	161.53	270.51	-144.39	-6,283.84	-14,183.49	8,646.27	8,506.38	139.88	61.811		
12,500.00	7,001.00	17,100.00	7,247.03	163.22	270.51	-144.39	-6,283.84	-14,183.49	8,546.34	8,406.51	139.83	61.121		
12,600.00	7,001.00	17,100.00	7,247.03	164.94	270.51	-144.39	-6,283.84	-14,183.49	8,446.42	8,306.65	139.77	60.431		
12,700.00	7,001.00	17,100.00	7,247.03	166.69	270.51	-144.39	-6,283.84	-14,183.49	8,346.49	8,206.78	139.71	59.741		
12,800.00	7,001.00	17,100.00	7,247.03	168.46	270.51	-144.39	-6,283.84	-14,183.49	8,246.57	8,106.92	139.65	59.050		
12,900.00	7,001.00	17,100.00	7,247.03	170.26	270.51	-144.39	-6,283.84	-14,183.49	8,146.65	8,007.06	139.59	58.360		
13,000.00	7,001.00	17,100.00	7,247.03	172.08	270.51	-144.39	-6,283.84	-14,183.49	8,046.74	7,907.21	139.53	57.670		
13,100.00	7,001.00	17,100.00	7,247.03	173.92	270.51	-144.39	-6,283.84	-14,183.49	7,946.82	7,807.35	139.47	56.979		
13,200.00	7,001.00	17,100.00	7,247.03	175.79	270.51	-144.39	-6,283.84	-14,183.49	7,846.91	7,707.51	139.41	56.289		
13,300.00	7,001.00	17,100.00	7,247.03	177.68	270.51	-144.39	-6,283.84	-14,183.49	7,747.00	7,607.66	139.34	55.598		
13,400.00	7,001.00	17,100.00	7,247.03	179.60	270.51	-144.39	-6,283.84	-14,183.49	7,647.09	7,507.82	139.27	54.907		
13,500.00	7,001.00	17,100.00	7,247.03	181.53	270.51	-144.39	-6,283.84	-14,183.49	7,547.19	7,407.98	139.20	54.217		
13,600.00	7,001.00	17,100.00	7,247.03	183.49	270.51	-144.39	-6,283.84	-14,183.49	7,447.29	7,308.15	139.13	53.526		
13,700.00	7,001.00	17,100.00	7,247.03	185.47	270.51	-144.39	-6,283.84	-14,183.49	7,347.39	7,208.32	139.06	52.835		
13,800.00	7,001.00	17,100.00	7,247.03	187.47	270.51	-144.39	-6,283.84	-14,183.49	7,247.49	7,108.50	138.99	52.144		
13,900.00	7,001.00	17,100.00	7,247.03	189.49	270.51	-144.39	-6,283.84	-14,183.49	7,147.59	7,008.68	138.91	51.454		
14,000.00	7,001.00	17,100.00	7,247.03	191.53	270.51	-144.39	-6,283.84	-14,183.49	7,047.70	6,908.87	138.84	50.763		
14,100.00	7,001.00	17,100.00	7,247.03	193.58	270.51	-144.39	-6,283.84	-14,183.49	6,947.82	6,809.06	138.76	50.072		
14,200.00	7,001.00	17,100.00	7,247.03	195.66	270.51	-144.39	-6,283.84	-14,183.49	6,847.93	6,709.25	138.68	49.381		
14,300.00	7,001.00	17,100.00	7,247.03	197.75	270.51	-144.39	-6,283.84	-14,183.49	6,748.05	6,609.46	138.59	48.689		
14,400.00	7,001.00	17,100.00	7,247.03	199.85	270.51	-144.39	-6,283.84	-14,183.49	6,648.17	6,509.66	138.51	47.998		
14,500.00	7,001.00	17,100.00	7,247.03	201.98	270.51	-144.39	-6,283.84	-14,183.49	6,548.30	6,409.88	138.42	47.307		
14,600.00	7,001.00	17,100.00	7,247.03	204.12	270.51	-144.39	-6,283.84	-14,183.49	6,448.43	6,310.10	138.33	46.616		
14,700.00	7,001.00	17,100.00	7,247.03	206.27	270.51	-144.39	-6,283.84	-14,183.49	6,348.56	6,210.32	138.24	45.924		
14,800.00	7,001.00	17,100.00	7,247.03	208.45	270.51	-144.39	-6,283.84	-14,183.49	6,248.70	6,110.55	138.14	45.233		
14,900.00	7,001.00	17,100.00	7,247.03	210.63	270.51	-144.39	-6,283.84	-14,183.49	6,148.84	6,010.79	138.05	44.541		
15,000.00	7,001.00	17,100.00	7,247.03	212.83	270.51	-144.39	-6,283.84	-14,183.49	6,048.99	5,911.04	137.95	43.850		
15,100.00	7,001.00	17,100.00	7,247.03	215.04	270.51	-144.39	-6,283.84	-14,183.49	5,949.14	5,811.30	137.85	43.158		
15,200.00	7,001.00	17,100.00	7,247.03	217.27	270.51	-144.39	-6,283.84	-14,183.49	5,849.30	5,711.56	137.74	42.466		
15,300.00	7,001.00	17,100.00	7,247.03	219.51	270.51	-144.39	-6,283.84	-14,183.49	5,749.46	5,611.83	137.63	41.774		
15,400.00	7,001.00	17,100.00	7,247.03	221.76	270.51	-144.39	-6,283.84	-14,183.49	5,649.63	5,512.11	137.52	41.082		
15,500.00	7,001.00	17,100.00	7,247.03	224.02	270.51	-144.39	-6,283.84	-14,183.49	5,549.80	5,412.40	137.41	40.390		
15,600.00	7,001.00	17,100.00	7,247.03	226.30	270.51	-144.39	-6,283.84	-14,183.49	5,449.99	5,312.70	137.29	39.697		
15,700.00	7,001.00	17,100.00	7,247.03	228.58	270.51	-144.39	-6,283.84	-14,183.49	5,350.17	5,213.01	137.17	39.005		
15,800.00	7,001.00	17,100.00	7,247.03	230.88	270.51	-144.39	-6,283.84	-14,183.49	5,250.37	5,113.33	137.04	38.312		
15,900.00	7,001.00	17,100.00	7,247.03	233.19	270.51	-144.39	-6,283.84	-14,183.49	5,150.57	5,013.66	136.91	37.619		
16,000.00	7,001.00	17,100.00	7,247.03	235.50	270.51	-144.39	-6,283.84	-14,183.49	5,050.78	4,914.00	136.78	36.926		
16,100.00	7,001.00	17,100.00	7,247.03	237.83	270.51	-144.39	-6,283.84	-14,183.49	4,951.00	4,814.36	136.64	36.233		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,200.00	7,001.00	17,100.00	7,247.03	240.17	270.51	-144.39	-6,283.84	-14,183.49	4,851.23	4,714.73	136.50	35.540		
16,300.00	7,001.00	17,100.00	7,247.03	242.52	270.51	-144.39	-6,283.84	-14,183.49	4,751.47	4,615.11	136.36	34.846		
16,400.00	7,001.00	17,100.00	7,247.03	244.87	270.51	-144.39	-6,283.84	-14,183.49	4,651.72	4,515.51	136.21	34.152		
16,500.00	7,001.00	17,100.00	7,247.03	247.24	270.51	-144.39	-6,283.84	-14,183.49	4,551.97	4,415.92	136.05	33.458		
16,600.00	7,001.00	17,100.00	7,247.03	249.61	270.51	-144.39	-6,283.84	-14,183.49	4,452.25	4,316.35	135.89	32.763		
16,700.00	7,001.00	17,100.00	7,247.03	251.99	270.51	-144.39	-6,283.84	-14,183.49	4,352.53	4,216.80	135.73	32.068		
16,800.00	7,001.00	17,100.00	7,247.03	254.38	270.51	-144.39	-6,283.84	-14,183.49	4,252.82	4,117.27	135.56	31.373		
16,900.00	7,001.00	17,100.00	7,247.03	256.78	270.51	-144.39	-6,283.84	-14,183.49	4,153.13	4,017.75	135.38	30.677		
17,000.00	7,001.00	17,100.00	7,247.03	259.18	270.51	-144.39	-6,283.84	-14,183.49	4,053.46	3,918.26	135.20	29.981		
17,100.00	7,001.00	17,100.00	7,247.03	261.59	270.51	-144.39	-6,283.84	-14,183.49	3,953.80	3,818.79	135.01	29.285		
17,200.00	7,001.00	17,100.00	7,247.03	264.01	270.51	-144.39	-6,283.84	-14,183.49	3,854.16	3,719.35	134.82	28.588		
17,300.00	7,001.00	17,100.00	7,247.03	266.44	270.51	-144.39	-6,283.84	-14,183.49	3,754.54	3,619.92	134.62	27.890		
17,400.00	7,001.00	17,100.00	7,247.03	268.87	270.51	-144.39	-6,283.84	-14,183.49	3,654.94	3,520.53	134.41	27.192		
17,500.00	7,001.00	17,100.00	7,247.03	271.31	270.51	-144.39	-6,283.84	-14,183.49	3,555.36	3,421.17	134.20	26.494		
17,600.00	7,001.00	17,100.00	7,247.03	273.75	270.51	-144.39	-6,283.84	-14,183.49	3,455.81	3,321.83	133.98	25.794		
17,700.00	7,001.00	17,100.00	7,247.03	276.20	270.51	-144.39	-6,283.84	-14,183.49	3,356.28	3,222.54	133.75	25.094		
17,800.00	7,001.00	17,100.00	7,247.03	278.66	270.51	-144.39	-6,283.84	-14,183.49	3,256.79	3,123.27	133.51	24.393		
17,900.00	7,001.00	17,100.00	7,247.03	281.12	270.51	-144.39	-6,283.84	-14,183.49	3,157.32	3,024.05	133.27	23.691		
18,000.00	7,001.00	17,100.00	7,247.03	283.59	270.51	-152.72	-6,283.84	-14,183.49	3,057.86	2,924.83	133.04	22.985		
18,100.00	7,001.00	17,100.00	7,247.03	286.09	270.51	-172.76	-6,283.84	-14,183.49	2,958.31	2,825.41	132.90	22.259		
18,200.00	7,001.00	17,100.00	7,247.03	288.62	270.51	166.34	-6,283.84	-14,183.49	2,858.75	2,725.85	132.90	21.511		
18,300.00	7,001.00	17,100.00	7,247.03	291.16	270.51	166.34	-6,283.84	-14,183.49	2,759.23	2,626.27	132.96	20.753		
18,400.00	7,001.00	17,100.00	7,247.03	293.71	270.51	166.34	-6,283.84	-14,183.49	2,659.76	2,526.73	133.03	19.994		
18,500.00	7,001.00	17,100.00	7,247.03	296.26	270.51	166.34	-6,283.84	-14,183.49	2,560.32	2,427.21	133.11	19.235		
18,600.00	7,001.00	17,100.00	7,247.03	298.81	270.51	166.34	-6,283.84	-14,183.49	2,460.93	2,327.73	133.20	18.476		
18,700.00	7,001.00	17,100.00	7,247.03	301.36	270.51	166.34	-6,283.84	-14,183.49	2,361.59	2,228.29	133.30	17.716		
18,800.00	7,001.00	17,100.00	7,247.03	303.92	270.51	166.34	-6,283.84	-14,183.49	2,262.31	2,128.88	133.43	16.955		
18,900.00	7,001.00	17,100.00	7,247.03	306.48	270.51	166.34	-6,283.84	-14,183.49	2,163.10	2,029.53	133.57	16.194		
19,000.00	7,001.00	17,100.00	7,247.03	309.04	270.51	166.34	-6,283.84	-14,183.49	2,063.96	1,930.22	133.74	15.432		
19,100.00	7,001.00	17,100.00	7,247.03	311.61	270.51	166.34	-6,283.84	-14,183.49	1,964.91	1,830.97	133.94	14.670		
19,200.00	7,001.00	17,100.00	7,247.03	314.18	270.51	166.34	-6,283.84	-14,183.49	1,865.96	1,731.77	134.19	13.905		
19,300.00	7,001.00	17,100.00	7,247.03	316.75	270.51	166.34	-6,283.84	-14,183.49	1,767.13	1,632.64	134.49	13.140		
19,400.00	7,001.00	17,100.00	7,247.03	319.32	270.51	166.34	-6,283.84	-14,183.49	1,668.44	1,533.59	134.85	12.373		
19,500.00	7,001.00	17,100.00	7,247.03	321.90	270.51	166.34	-6,283.84	-14,183.49	1,569.91	1,434.61	135.30	11.603		
19,600.00	7,001.00	17,100.00	7,247.03	324.48	270.51	166.34	-6,283.84	-14,183.49	1,471.59	1,335.72	135.87	10.831		
19,700.00	7,001.00	17,100.00	7,247.03	327.05	270.51	172.93	-6,283.84	-14,183.49	1,373.47	1,236.99	136.48	10.063		
19,800.00	7,001.00	17,100.00	7,247.03	329.62	270.51	-177.47	-6,283.84	-14,183.49	1,275.57	1,138.76	136.80	9.324		
19,900.00	7,001.00	17,100.00	7,247.03	332.16	270.51	-169.53	-6,283.84	-14,183.49	1,178.05	1,041.34	136.70	8.618		
20,000.00	7,001.00	17,100.00	7,247.03	334.70	270.51	-169.53	-6,283.84	-14,183.49	1,081.03	944.59	136.45	7.923		
20,100.00	7,001.00	17,100.00	7,247.03	337.24	270.51	-169.53	-6,283.84	-14,183.49	984.61	848.34	136.27	7.225		
20,200.00	7,001.00	17,100.00	7,247.03	339.79	270.51	-169.53	-6,283.84	-14,183.49	888.98	752.74	136.24	6.525		
20,300.00	7,001.00	17,100.00	7,247.03	342.34	270.51	-169.53	-6,283.84	-14,183.49	794.43	657.97	136.46	5.822		
20,400.00	7,001.00	17,100.00	7,247.03	344.89	270.51	-169.53	-6,283.84	-14,183.49	701.40	564.27	137.12	5.115		
20,500.00	7,001.00	17,100.00	7,247.03	347.44	270.51	-169.53	-6,283.84	-14,183.49	610.56	471.97	138.59	4.405		
20,600.00	7,001.00	17,100.00	7,247.03	350.00	270.51	-169.53	-6,283.84	-14,183.49	523.09	381.47	141.62	3.694		
20,683.43	7,001.00	17,100.00	7,247.03	351.63	270.51	-169.53	-6,283.84	-14,183.49	454.08	307.59	146.49	3.100 CC, ES, SF		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,900.00	7,001.00	16,848.00	7,073.89	139.72	270.18	-103.78	-6,482.25	-14,176.06	10,140.24	9,998.76	141.47	71.677		
11,000.00	7,001.00	16,848.00	7,073.89	140.95	270.18	-103.78	-6,482.25	-14,176.06	10,040.32	9,898.90	141.42	70.998		
11,100.00	7,001.00	16,848.00	7,073.89	142.22	270.18	-103.78	-6,482.25	-14,176.06	9,940.40	9,799.03	141.36	70.318		
11,200.00	7,001.00	16,848.00	7,073.89	143.52	270.18	-103.78	-6,482.25	-14,176.06	9,840.48	9,699.17	141.31	69.639		
11,300.00	7,001.00	16,848.00	7,073.89	144.85	270.18	-103.78	-6,482.25	-14,176.06	9,740.56	9,599.31	141.25	68.959		
11,400.00	7,001.00	16,848.00	7,073.89	146.21	270.18	-103.78	-6,482.25	-14,176.06	9,640.65	9,499.46	141.20	68.279		
11,500.00	7,001.00	16,848.00	7,073.89	147.61	270.18	-103.78	-6,482.25	-14,176.06	9,540.74	9,399.60	141.14	67.599		
11,600.00	7,001.00	16,848.00	7,073.89	149.03	270.18	-103.78	-6,482.25	-14,176.06	9,440.83	9,299.75	141.08	66.918		
11,700.00	7,001.00	16,848.00	7,073.89	150.49	270.18	-103.78	-6,482.25	-14,176.06	9,340.92	9,199.90	141.02	66.238		
11,800.00	7,001.00	16,848.00	7,073.89	151.98	270.18	-103.78	-6,482.25	-14,176.06	9,241.02	9,100.05	140.96	65.557		
11,900.00	7,001.00	16,848.00	7,073.89	153.50	270.18	-103.78	-6,482.25	-14,176.06	9,141.11	9,000.21	140.90	64.876		
12,000.00	7,001.00	16,848.00	7,073.89	155.05	270.18	-103.78	-6,482.25	-14,176.06	9,041.21	8,900.37	140.84	64.195		
12,100.00	7,001.00	16,848.00	7,073.89	156.62	270.18	-103.78	-6,482.25	-14,176.06	8,941.31	8,800.53	140.78	63.514		
12,200.00	7,001.00	16,848.00	7,073.89	158.23	270.18	-103.78	-6,482.25	-14,176.06	8,841.41	8,700.70	140.71	62.832		
12,300.00	7,001.00	16,848.00	7,073.89	159.87	270.18	-103.78	-6,482.25	-14,176.06	8,741.52	8,600.87	140.65	62.151		
12,400.00	7,001.00	16,848.00	7,073.89	161.53	270.18	-103.78	-6,482.25	-14,176.06	8,641.62	8,501.04	140.59	61.469		
12,500.00	7,001.00	16,848.00	7,073.89	163.22	270.18	-103.78	-6,482.25	-14,176.06	8,541.73	8,401.22	140.52	60.787		
12,600.00	7,001.00	16,848.00	7,073.89	164.94	270.18	-103.78	-6,482.25	-14,176.06	8,441.85	8,301.39	140.45	60.105		
12,700.00	7,001.00	16,848.00	7,073.89	166.69	270.18	-103.78	-6,482.25	-14,176.06	8,341.96	8,201.58	140.38	59.422		
12,800.00	7,001.00	16,848.00	7,073.89	168.46	270.18	-103.78	-6,482.25	-14,176.06	8,242.08	8,101.76	140.32	58.739		
12,900.00	7,001.00	16,848.00	7,073.89	170.26	270.18	-103.78	-6,482.25	-14,176.06	8,142.20	8,001.95	140.25	58.056		
13,000.00	7,001.00	16,848.00	7,073.89	172.08	270.18	-103.78	-6,482.25	-14,176.06	8,042.32	7,902.15	140.18	57.373		
13,100.00	7,001.00	16,848.00	7,073.89	173.92	270.18	-103.78	-6,482.25	-14,176.06	7,942.45	7,802.35	140.10	56.690		
13,200.00	7,001.00	16,848.00	7,073.89	175.79	270.18	-103.78	-6,482.25	-14,176.06	7,842.58	7,702.55	140.03	56.006		
13,300.00	7,001.00	16,848.00	7,073.89	177.68	270.18	-103.78	-6,482.25	-14,176.06	7,742.72	7,602.76	139.96	55.322		
13,400.00	7,001.00	16,848.00	7,073.89	179.60	270.18	-103.78	-6,482.25	-14,176.06	7,642.85	7,502.97	139.88	54.638		
13,500.00	7,001.00	16,848.00	7,073.89	181.53	270.18	-103.78	-6,482.25	-14,176.06	7,542.99	7,403.19	139.80	53.954		
13,600.00	7,001.00	16,848.00	7,073.89	183.49	270.18	-103.78	-6,482.25	-14,176.06	7,443.14	7,303.41	139.73	53.269		
13,700.00	7,001.00	16,848.00	7,073.89	185.47	270.18	-103.78	-6,482.25	-14,176.06	7,343.29	7,203.64	139.65	52.584		
13,800.00	7,001.00	16,848.00	7,073.89	187.47	270.18	-103.78	-6,482.25	-14,176.06	7,243.44	7,103.87	139.57	51.899		
13,900.00	7,001.00	16,848.00	7,073.89	189.49	270.18	-103.78	-6,482.25	-14,176.06	7,143.60	7,004.11	139.49	51.213		
14,000.00	7,001.00	16,848.00	7,073.89	191.53	270.18	-103.78	-6,482.25	-14,176.06	7,043.76	6,904.35	139.40	50.527		
14,100.00	7,001.00	16,848.00	7,073.89	193.58	270.18	-103.78	-6,482.25	-14,176.06	6,943.92	6,804.60	139.32	49.841		
14,200.00	7,001.00	16,848.00	7,073.89	195.66	270.18	-103.78	-6,482.25	-14,176.06	6,844.09	6,704.86	139.24	49.155		
14,300.00	7,001.00	16,848.00	7,073.89	197.75	270.18	-103.78	-6,482.25	-14,176.06	6,744.27	6,605.12	139.15	48.468		
14,400.00	7,001.00	16,848.00	7,073.89	199.85	270.18	-103.78	-6,482.25	-14,176.06	6,644.45	6,505.39	139.06	47.781		
14,500.00	7,001.00	16,848.00	7,073.89	201.98	270.18	-103.78	-6,482.25	-14,176.06	6,544.64	6,405.66	138.97	47.093		
14,600.00	7,001.00	16,848.00	7,073.89	204.12	270.18	-103.78	-6,482.25	-14,176.06	6,444.83	6,305.95	138.88	46.405		
14,700.00	7,001.00	16,848.00	7,073.89	206.27	270.18	-103.78	-6,482.25	-14,176.06	6,345.03	6,206.24	138.79	45.717		
14,800.00	7,001.00	16,848.00	7,073.89	208.45	270.18	-103.78	-6,482.25	-14,176.06	6,245.23	6,106.54	138.70	45.028		
14,900.00	7,001.00	16,848.00	7,073.89	210.63	270.18	-103.78	-6,482.25	-14,176.06	6,145.44	6,006.84	138.60	44.339		
15,000.00	7,001.00	16,848.00	7,073.89	212.83	270.18	-103.78	-6,482.25	-14,176.06	6,045.66	5,907.16	138.50	43.650		
15,100.00	7,001.00	16,848.00	7,073.89	215.04	270.18	-103.78	-6,482.25	-14,176.06	5,945.89	5,807.48	138.41	42.959		
15,200.00	7,001.00	16,848.00	7,073.89	217.27	270.18	-103.78	-6,482.25	-14,176.06	5,846.12	5,707.81	138.31	42.269		
15,300.00	7,001.00	16,848.00	7,073.89	219.51	270.18	-103.78	-6,482.25	-14,176.06	5,746.36	5,608.16	138.21	41.578		
15,400.00	7,001.00	16,848.00	7,073.89	221.76	270.18	-103.78	-6,482.25	-14,176.06	5,646.61	5,508.51	138.10	40.886		
15,500.00	7,001.00	16,848.00	7,073.89	224.02	270.18	-103.78	-6,482.25	-14,176.06	5,546.87	5,408.87	138.00	40.194		
15,600.00	7,001.00	16,848.00	7,073.89	226.30	270.18	-103.78	-6,482.25	-14,176.06	5,447.14	5,309.25	137.90	39.502		
15,700.00	7,001.00	16,848.00	7,073.89	228.58	270.18	-103.78	-6,482.25	-14,176.06	5,347.42	5,209.63	137.79	38.809		
15,800.00	7,001.00	16,848.00	7,073.89	230.88	270.18	-103.78	-6,482.25	-14,176.06	5,247.71	5,110.03	137.68	38.115		
15,900.00	7,001.00	16,848.00	7,073.89	233.19	270.18	-103.78	-6,482.25	-14,176.06	5,148.01	5,010.44	137.57	37.420		
16,000.00	7,001.00	16,848.00	7,073.89	235.50	270.18	-103.78	-6,482.25	-14,176.06	5,048.32	4,910.86	137.46	36.725		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
16,100.00	7,001.00	16,848.00	7,073.89	237.83	270.18	-103.78	-6,482.25	-14,176.06	4,948.65	4,811.30	137.35	36.029		
16,200.00	7,001.00	16,848.00	7,073.89	240.17	270.18	-103.78	-6,482.25	-14,176.06	4,848.99	4,711.75	137.24	35.332		
16,300.00	7,001.00	16,848.00	7,073.89	242.52	270.18	-103.78	-6,482.25	-14,176.06	4,749.34	4,612.21	137.13	34.635		
16,400.00	7,001.00	16,848.00	7,073.89	244.87	270.18	-103.78	-6,482.25	-14,176.06	4,649.71	4,512.70	137.01	33.937		
16,500.00	7,001.00	16,848.00	7,073.89	247.24	270.18	-103.78	-6,482.25	-14,176.06	4,550.09	4,413.19	136.90	33.238		
16,600.00	7,001.00	16,848.00	7,073.89	249.61	270.18	-103.78	-6,482.25	-14,176.06	4,450.49	4,313.71	136.78	32.538		
16,700.00	7,001.00	16,848.00	7,073.89	251.99	270.18	-103.78	-6,482.25	-14,176.06	4,350.91	4,214.25	136.66	31.836		
16,800.00	7,001.00	16,848.00	7,073.89	254.38	270.18	-103.78	-6,482.25	-14,176.06	4,251.35	4,114.80	136.55	31.134		
16,900.00	7,001.00	16,848.00	7,073.89	256.78	270.18	-103.78	-6,482.25	-14,176.06	4,151.81	4,015.38	136.43	30.431		
17,000.00	7,001.00	16,848.00	7,073.89	259.18	270.18	-103.78	-6,482.25	-14,176.06	4,052.29	3,915.97	136.32	29.727		
17,100.00	7,001.00	16,848.00	7,073.89	261.59	270.18	-103.78	-6,482.25	-14,176.06	3,952.80	3,816.60	136.20	29.021		
17,200.00	7,001.00	16,848.00	7,073.89	264.01	270.18	-103.78	-6,482.25	-14,176.06	3,853.33	3,717.24	136.09	28.314		
17,300.00	7,001.00	16,848.00	7,073.89	266.44	270.18	-103.78	-6,482.25	-14,176.06	3,753.90	3,617.91	135.98	27.606		
17,400.00	7,001.00	16,848.00	7,073.89	268.87	270.18	-103.78	-6,482.25	-14,176.06	3,654.49	3,518.61	135.88	26.896		
17,500.00	7,001.00	16,848.00	7,073.89	271.31	270.18	-103.78	-6,482.25	-14,176.06	3,555.11	3,419.34	135.77	26.184		
17,600.00	7,001.00	16,848.00	7,073.89	273.75	270.18	-103.78	-6,482.25	-14,176.06	3,455.78	3,320.10	135.68	25.471		
17,700.00	7,001.00	16,848.00	7,073.89	276.20	270.18	-103.78	-6,482.25	-14,176.06	3,356.48	3,220.89	135.58	24.756		
17,800.00	7,001.00	16,848.00	7,073.89	278.66	270.18	-103.78	-6,482.25	-14,176.06	3,257.22	3,121.72	135.50	24.038		
17,900.00	7,001.00	16,848.00	7,073.89	281.12	270.18	-103.78	-6,482.25	-14,176.06	3,158.01	3,022.59	135.43	23.319		
18,000.00	7,001.00	16,848.00	7,073.89	283.59	270.18	-105.87	-6,482.25	-14,176.06	3,058.80	2,923.43	135.37	22.596		
18,100.00	7,001.00	16,848.00	7,073.89	286.09	270.18	-112.39	-6,482.25	-14,176.06	2,959.31	2,823.97	135.33	21.867		
18,200.00	7,001.00	16,848.00	7,073.89	288.62	270.18	-125.81	-6,482.25	-14,176.06	2,859.56	2,724.25	135.31	21.134		
18,300.00	7,001.00	16,848.00	7,073.89	291.16	270.18	-125.81	-6,482.25	-14,176.06	2,759.73	2,624.44	135.29	20.398		
18,400.00	7,001.00	16,848.00	7,073.89	293.71	270.18	-125.81	-6,482.25	-14,176.06	2,659.91	2,524.64	135.28	19.663		
18,500.00	7,001.00	16,848.00	7,073.89	296.26	270.18	-125.81	-6,482.25	-14,176.06	2,560.11	2,424.85	135.26	18.927		
18,600.00	7,001.00	16,848.00	7,073.89	298.81	270.18	-125.81	-6,482.25	-14,176.06	2,460.32	2,325.08	135.25	18.191		
18,700.00	7,001.00	16,848.00	7,073.89	301.36	270.18	-125.81	-6,482.25	-14,176.06	2,360.56	2,225.32	135.24	17.455		
18,800.00	7,001.00	16,848.00	7,073.89	303.92	270.18	-125.81	-6,482.25	-14,176.06	2,260.81	2,125.58	135.23	16.719		
18,900.00	7,001.00	16,848.00	7,073.89	306.48	270.18	-125.81	-6,482.25	-14,176.06	2,161.08	2,025.86	135.22	15.982		
19,000.00	7,001.00	16,848.00	7,073.89	309.04	270.18	-125.81	-6,482.25	-14,176.06	2,061.38	1,926.16	135.23	15.244		
19,100.00	7,001.00	16,848.00	7,073.89	311.61	270.18	-125.81	-6,482.25	-14,176.06	1,961.72	1,826.48	135.24	14.506		
19,200.00	7,001.00	16,848.00	7,073.89	314.18	270.18	-125.81	-6,482.25	-14,176.06	1,862.09	1,726.82	135.26	13.766		
19,300.00	7,001.00	16,848.00	7,073.89	316.75	270.18	-125.81	-6,482.25	-14,176.06	1,762.50	1,627.19	135.31	13.026		
19,400.00	7,001.00	16,848.00	7,073.89	319.32	270.18	-125.81	-6,482.25	-14,176.06	1,662.95	1,527.58	135.37	12.284		
19,500.00	7,001.00	16,848.00	7,073.89	321.90	270.18	-125.81	-6,482.25	-14,176.06	1,563.47	1,428.00	135.47	11.541		
19,600.00	7,001.00	16,848.00	7,073.89	324.48	270.18	-125.81	-6,482.25	-14,176.06	1,464.06	1,328.45	135.62	10.796		
19,700.00	7,001.00	16,848.00	7,073.89	327.05	270.18	-120.15	-6,482.25	-14,176.06	1,364.82	1,228.96	135.86	10.046		
19,800.00	7,001.00	16,848.00	7,073.89	329.62	270.18	-114.50	-6,482.25	-14,176.06	1,266.13	1,129.75	136.38	9.284		
19,900.00	7,001.00	16,848.00	7,073.89	332.16	270.18	-111.13	-6,482.25	-14,176.06	1,168.28	1,030.85	137.43	8.501		
20,000.00	7,001.00	16,848.00	7,073.89	334.70	270.18	-111.13	-6,482.25	-14,176.06	1,071.15	931.87	139.28	7.691		
20,100.00	7,001.00	16,848.00	7,073.89	337.24	270.18	-111.13	-6,482.25	-14,176.06	974.60	832.30	142.30	6.849		
20,200.00	7,001.00	16,848.00	7,073.89	339.79	270.18	-111.13	-6,482.25	-14,176.06	878.82	731.52	147.30	5.966		
20,300.00	7,001.00	16,848.00	7,073.89	342.34	270.18	-111.13	-6,482.25	-14,176.06	784.09	628.39	155.70	5.036		
20,400.00	7,001.00	16,848.00	7,073.89	344.89	270.18	-111.13	-6,482.25	-14,176.06	690.85	521.00	169.86	4.067		
20,500.00	7,001.00	16,848.00	7,073.89	347.44	270.18	-111.13	-6,482.25	-14,176.06	599.80	406.53	193.27	3.103		
20,600.00	7,001.00	16,848.00	7,073.89	350.00	270.18	-111.13	-6,482.25	-14,176.06	512.09	281.67	230.42	2.222		
20,683.43	7,001.00	16,848.00	7,073.89	351.63	270.18	-111.13	-6,482.25	-14,176.06	442.92	167.69	275.23	1.609 CC, ES, SF		

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG, 6796-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
11,000.00	7,001.00	16,811.00	7,075.38	140.95	264.78	-97.49	-6,832.17	-14,190.30	10,073.78	9,924.36	149.42	67.419		
11,100.00	7,001.00	16,811.00	7,075.38	142.22	264.78	-97.49	-6,832.17	-14,190.30	9,974.06	9,824.71	149.35	66.784		
11,200.00	7,001.00	16,811.00	7,075.38	143.52	264.78	-97.49	-6,832.17	-14,190.30	9,874.34	9,725.07	149.27	66.150		
11,300.00	7,001.00	16,811.00	7,075.38	144.85	264.78	-97.49	-6,832.17	-14,190.30	9,774.63	9,625.43	149.20	65.514		
11,400.00	7,001.00	16,811.00	7,075.38	146.21	264.78	-97.49	-6,832.17	-14,190.30	9,674.93	9,525.80	149.12	64.879		
11,500.00	7,001.00	16,811.00	7,075.38	147.61	264.78	-97.49	-6,832.17	-14,190.30	9,575.23	9,426.18	149.05	64.243		
11,600.00	7,001.00	16,811.00	7,075.38	149.03	264.78	-97.49	-6,832.17	-14,190.30	9,475.54	9,326.57	148.97	63.607		
11,700.00	7,001.00	16,811.00	7,075.38	150.49	264.78	-97.49	-6,832.17	-14,190.30	9,375.85	9,226.96	148.89	62.971		
11,800.00	7,001.00	16,811.00	7,075.38	151.98	264.78	-97.49	-6,832.17	-14,190.30	9,276.17	9,127.36	148.81	62.334		
11,900.00	7,001.00	16,811.00	7,075.38	153.50	264.78	-97.49	-6,832.17	-14,190.30	9,176.50	9,027.77	148.73	61.697		
12,000.00	7,001.00	16,811.00	7,075.38	155.05	264.78	-97.49	-6,832.17	-14,190.30	9,076.84	8,928.18	148.65	61.060		
12,100.00	7,001.00	16,811.00	7,075.38	156.62	264.78	-97.49	-6,832.17	-14,190.30	8,977.18	8,828.61	148.57	60.422		
12,200.00	7,001.00	16,811.00	7,075.38	158.23	264.78	-97.49	-6,832.17	-14,190.30	8,877.53	8,729.04	148.49	59.784		
12,300.00	7,001.00	16,811.00	7,075.38	159.87	264.78	-97.49	-6,832.17	-14,190.30	8,777.89	8,629.48	148.41	59.146		
12,400.00	7,001.00	16,811.00	7,075.38	161.53	264.78	-97.49	-6,832.17	-14,190.30	8,678.26	8,529.93	148.33	58.507		
12,500.00	7,001.00	16,811.00	7,075.38	163.22	264.78	-97.49	-6,832.17	-14,190.30	8,578.64	8,430.39	148.24	57.868		
12,600.00	7,001.00	16,811.00	7,075.38	164.94	264.78	-97.49	-6,832.17	-14,190.30	8,479.02	8,330.86	148.16	57.229		
12,700.00	7,001.00	16,811.00	7,075.38	166.69	264.78	-97.49	-6,832.17	-14,190.30	8,379.41	8,231.34	148.07	56.589		
12,800.00	7,001.00	16,811.00	7,075.38	168.46	264.78	-97.49	-6,832.17	-14,190.30	8,279.82	8,131.83	147.99	55.949		
12,900.00	7,001.00	16,811.00	7,075.38	170.26	264.78	-97.49	-6,832.17	-14,190.30	8,180.23	8,032.33	147.90	55.308		
13,000.00	7,001.00	16,811.00	7,075.38	172.08	264.78	-97.49	-6,832.17	-14,190.30	8,080.65	7,932.84	147.82	54.667		
13,100.00	7,001.00	16,811.00	7,075.38	173.92	264.78	-97.49	-6,832.17	-14,190.30	7,981.09	7,833.36	147.73	54.026		
13,200.00	7,001.00	16,811.00	7,075.38	175.79	264.78	-97.49	-6,832.17	-14,190.30	7,881.53	7,733.89	147.64	53.384		
13,300.00	7,001.00	16,811.00	7,075.38	177.68	264.78	-97.49	-6,832.17	-14,190.30	7,781.99	7,634.44	147.55	52.742		
13,400.00	7,001.00	16,811.00	7,075.38	179.60	264.78	-97.49	-6,832.17	-14,190.30	7,682.46	7,535.00	147.46	52.099		
13,500.00	7,001.00	16,811.00	7,075.38	181.53	264.78	-97.49	-6,832.17	-14,190.30	7,582.94	7,435.57	147.37	51.456		
13,600.00	7,001.00	16,811.00	7,075.38	183.49	264.78	-97.49	-6,832.17	-14,190.30	7,483.43	7,336.15	147.28	50.812		
13,700.00	7,001.00	16,811.00	7,075.38	185.47	264.78	-97.49	-6,832.17	-14,190.30	7,383.94	7,236.75	147.18	50.168		
13,800.00	7,001.00	16,811.00	7,075.38	187.47	264.78	-97.49	-6,832.17	-14,190.30	7,284.46	7,137.37	147.09	49.523		
13,900.00	7,001.00	16,811.00	7,075.38	189.49	264.78	-97.49	-6,832.17	-14,190.30	7,184.99	7,038.00	147.00	48.878		
14,000.00	7,001.00	16,811.00	7,075.38	191.53	264.78	-97.49	-6,832.17	-14,190.30	7,085.54	6,938.64	146.91	48.232		
14,100.00	7,001.00	16,811.00	7,075.38	193.58	264.78	-97.49	-6,832.17	-14,190.30	6,986.11	6,839.30	146.81	47.586		
14,200.00	7,001.00	16,811.00	7,075.38	195.66	264.78	-97.49	-6,832.17	-14,190.30	6,886.69	6,739.98	146.72	46.939		
14,300.00	7,001.00	16,811.00	7,075.38	197.75	264.78	-97.49	-6,832.17	-14,190.30	6,787.29	6,640.67	146.62	46.291		
14,400.00	7,001.00	16,811.00	7,075.38	199.85	264.78	-97.49	-6,832.17	-14,190.30	6,687.91	6,541.38	146.53	45.643		
14,500.00	7,001.00	16,811.00	7,075.38	201.98	264.78	-97.49	-6,832.17	-14,190.30	6,588.54	6,442.11	146.43	44.994		
14,600.00	7,001.00	16,811.00	7,075.38	204.12	264.78	-97.49	-6,832.17	-14,190.30	6,489.20	6,342.86	146.34	44.344		
14,700.00	7,001.00	16,811.00	7,075.38	206.27	264.78	-97.49	-6,832.17	-14,190.30	6,389.88	6,243.63	146.24	43.694		
14,800.00	7,001.00	16,811.00	7,075.38	208.45	264.78	-97.49	-6,832.17	-14,190.30	6,290.57	6,144.43	146.15	43.043		
14,900.00	7,001.00	16,811.00	7,075.38	210.63	264.78	-97.49	-6,832.17	-14,190.30	6,191.29	6,045.24	146.05	42.391		
15,000.00	7,001.00	16,811.00	7,075.38	212.83	264.78	-97.49	-6,832.17	-14,190.30	6,092.04	5,946.08	145.96	41.738		
15,100.00	7,001.00	16,811.00	7,075.38	215.04	264.78	-97.49	-6,832.17	-14,190.30	5,992.80	5,846.94	145.87	41.084		
15,200.00	7,001.00	16,811.00	7,075.38	217.27	264.78	-97.49	-6,832.17	-14,190.30	5,893.60	5,747.82	145.77	40.430		
15,300.00	7,001.00	16,811.00	7,075.38	219.51	264.78	-97.49	-6,832.17	-14,190.30	5,794.42	5,648.74	145.68	39.774		
15,400.00	7,001.00	16,811.00	7,075.38	221.76	264.78	-97.49	-6,832.17	-14,190.30	5,695.27	5,549.68	145.59	39.118		
15,500.00	7,001.00	16,811.00	7,075.38	224.02	264.78	-97.49	-6,832.17	-14,190.30	5,596.15	5,450.64	145.51	38.460		
15,600.00	7,001.00	16,811.00	7,075.38	226.30	264.78	-97.49	-6,832.17	-14,190.30	5,497.06	5,351.64	145.42	37.801		
15,700.00	7,001.00	16,811.00	7,075.38	228.58	264.78	-97.49	-6,832.17	-14,190.30	5,398.01	5,252.67	145.34	37.141		
15,800.00	7,001.00	16,811.00	7,075.38	230.88	264.78	-97.49	-6,832.17	-14,190.30	5,298.99	5,153.73	145.26	36.480		
15,900.00	7,001.00	16,811.00	7,075.38	233.19	264.78	-97.49	-6,832.17	-14,190.30	5,200.01	5,054.83	145.18	35.818		
16,000.00	7,001.00	16,811.00	7,075.38	235.50	264.78	-97.49	-6,832.17	-14,190.30	5,101.07	4,955.96	145.11	35.154		
16,100.00	7,001.00	16,811.00	7,075.38	237.83	264.78	-97.49	-6,832.17	-14,190.30	5,002.17	4,857.13	145.04	34.488		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													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		
16,200.00	7,001.00	16,811.00	7,075.38	240.17	264.78	-97.49	-6,832.17	-14,190.30	4,903.31	4,758.33	144.98	33.821		
16,300.00	7,001.00	16,811.00	7,075.38	242.52	264.78	-97.49	-6,832.17	-14,190.30	4,804.50	4,659.58	144.92	33.152		
16,400.00	7,001.00	16,811.00	7,075.38	244.87	264.78	-97.49	-6,832.17	-14,190.30	4,705.75	4,560.87	144.88	32.481		
16,500.00	7,001.00	16,811.00	7,075.38	247.24	264.78	-97.49	-6,832.17	-14,190.30	4,607.04	4,462.21	144.84	31.808		
16,600.00	7,001.00	16,811.00	7,075.38	249.61	264.78	-97.49	-6,832.17	-14,190.30	4,508.40	4,363.59	144.81	31.133		
16,700.00	7,001.00	16,811.00	7,075.38	251.99	264.78	-97.49	-6,832.17	-14,190.30	4,409.81	4,265.02	144.80	30.456		
16,800.00	7,001.00	16,811.00	7,075.38	254.38	264.78	-97.49	-6,832.17	-14,190.30	4,311.29	4,166.50	144.79	29.775		
16,900.00	7,001.00	16,811.00	7,075.38	256.78	264.78	-97.49	-6,832.17	-14,190.30	4,212.84	4,068.03	144.81	29.093		
17,000.00	7,001.00	16,811.00	7,075.38	259.18	264.78	-97.49	-6,832.17	-14,190.30	4,114.47	3,969.62	144.84	28.407		
17,100.00	7,001.00	16,811.00	7,075.38	261.59	264.78	-97.49	-6,832.17	-14,190.30	4,016.17	3,871.27	144.90	27.717		
17,200.00	7,001.00	16,811.00	7,075.38	264.01	264.78	-97.49	-6,832.17	-14,190.30	3,917.96	3,772.98	144.98	27.024		
17,300.00	7,001.00	16,811.00	7,075.38	266.44	264.78	-97.49	-6,832.17	-14,190.30	3,819.85	3,674.75	145.09	26.327		
17,400.00	7,001.00	16,811.00	7,075.38	268.87	264.78	-97.49	-6,832.17	-14,190.30	3,721.83	3,576.59	145.24	25.625		
17,500.00	7,001.00	16,811.00	7,075.38	271.31	264.78	-97.49	-6,832.17	-14,190.30	3,623.92	3,478.49	145.43	24.918		
17,600.00	7,001.00	16,811.00	7,075.38	273.75	264.78	-97.49	-6,832.17	-14,190.30	3,526.13	3,380.46	145.67	24.206		
17,700.00	7,001.00	16,811.00	7,075.38	276.20	264.78	-97.49	-6,832.17	-14,190.30	3,428.47	3,282.50	145.97	23.487		
17,800.00	7,001.00	16,811.00	7,075.38	278.66	264.78	-97.49	-6,832.17	-14,190.30	3,330.95	3,184.61	146.34	22.762		
17,900.00	7,001.00	16,811.00	7,075.38	281.12	264.78	-97.49	-6,832.17	-14,190.30	3,233.58	3,086.79	146.79	22.029		
18,000.00	7,001.00	16,811.00	7,075.38	283.59	264.78	-98.07	-6,832.17	-14,190.30	3,136.27	2,988.94	147.33	21.288		
18,100.00	7,001.00	16,811.00	7,075.38	286.09	264.78	-99.51	-6,832.17	-14,190.30	3,038.45	2,890.56	147.89	20.545		
18,200.00	7,001.00	16,811.00	7,075.38	288.62	264.78	-101.46	-6,832.17	-14,190.30	2,940.09	2,791.64	148.45	19.806		
18,300.00	7,001.00	16,811.00	7,075.38	291.16	264.78	-101.46	-6,832.17	-14,190.30	2,841.54	2,692.51	149.03	19.067		
18,400.00	7,001.00	16,811.00	7,075.38	293.71	264.78	-101.46	-6,832.17	-14,190.30	2,743.09	2,593.38	149.71	18.322		
18,500.00	7,001.00	16,811.00	7,075.38	296.26	264.78	-101.46	-6,832.17	-14,190.30	2,644.76	2,494.25	150.51	17.571		
18,600.00	7,001.00	16,811.00	7,075.38	298.81	264.78	-101.46	-6,832.17	-14,190.30	2,546.56	2,395.10	151.46	16.814		
18,700.00	7,001.00	16,811.00	7,075.38	301.36	264.78	-101.46	-6,832.17	-14,190.30	2,448.50	2,295.94	152.57	16.049		
18,800.00	7,001.00	16,811.00	7,075.38	303.92	264.78	-101.46	-6,832.17	-14,190.30	2,350.61	2,196.73	153.89	15.275		
18,900.00	7,001.00	16,811.00	7,075.38	306.48	264.78	-101.46	-6,832.17	-14,190.30	2,252.91	2,097.45	155.46	14.492		
19,000.00	7,001.00	16,811.00	7,075.38	309.04	264.78	-101.46	-6,832.17	-14,190.30	2,155.41	1,998.06	157.35	13.698		
19,100.00	7,001.00	16,811.00	7,075.38	311.61	264.78	-101.46	-6,832.17	-14,190.30	2,058.16	1,898.54	159.62	12.894		
19,200.00	7,001.00	16,811.00	7,075.38	314.18	264.78	-101.46	-6,832.17	-14,190.30	1,961.18	1,798.81	162.37	12.078		
19,300.00	7,001.00	16,811.00	7,075.38	316.75	264.78	-101.46	-6,832.17	-14,190.30	1,864.52	1,698.80	165.72	11.251		
19,400.00	7,001.00	16,811.00	7,075.38	319.32	264.78	-101.46	-6,832.17	-14,190.30	1,768.23	1,598.43	169.80	10.414		
19,500.00	7,001.00	16,811.00	7,075.38	321.90	264.78	-101.46	-6,832.17	-14,190.30	1,672.38	1,497.59	174.79	9.568		
19,600.00	7,001.00	16,811.00	7,075.38	324.48	264.78	-101.46	-6,832.17	-14,190.30	1,577.04	1,396.13	180.91	8.717		
19,700.00	7,001.00	16,811.00	7,075.38	327.05	264.78	-100.74	-6,832.17	-14,190.30	1,482.58	1,293.97	188.61	7.860		
19,800.00	7,001.00	16,811.00	7,075.38	329.62	264.78	-99.87	-6,832.17	-14,190.30	1,390.11	1,191.12	198.99	6.986		
19,900.00	7,001.00	16,811.00	7,075.38	332.16	264.78	-99.25	-6,832.17	-14,190.30	1,300.25	1,087.44	212.81	6.110		
20,000.00	7,001.00	16,811.00	7,075.38	334.70	264.78	-99.25	-6,832.17	-14,190.30	1,212.67	982.51	230.16	5.269		
20,100.00	7,001.00	16,811.00	7,075.38	337.24	264.78	-99.25	-6,832.17	-14,190.30	1,127.15	876.08	251.08	4.489		
20,200.00	7,001.00	16,811.00	7,075.38	339.79	264.78	-99.25	-6,832.17	-14,190.30	1,044.22	768.18	276.04	3.783		
20,300.00	7,001.00	16,811.00	7,075.38	342.34	264.78	-99.25	-6,832.17	-14,190.30	964.52	659.04	305.48	3.157		
20,400.00	7,001.00	16,811.00	7,075.38	344.89	264.78	-99.25	-6,832.17	-14,190.30	888.94	549.17	339.77	2.616		
20,500.00	7,001.00	16,811.00	7,075.38	347.44	264.78	-99.25	-6,832.17	-14,190.30	818.61	439.61	379.01	2.160		
20,600.00	7,001.00	16,811.00	7,075.38	350.00	264.78	-99.25	-6,832.17	-14,190.30	755.01	332.25	422.77	1.786		
20,683.43	7,001.00	16,811.00	7,075.38	351.63	264.78	-99.25	-6,832.17	-14,190.30	708.41	247.48	460.93	1.537 CC, ES, SF		

Civitas Resources
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,000.00	7,001.00	15,770.00	6,953.66	155.05	242.60	-88.05	-6,804.17	-15,181.31	10,062.48	9,920.29	142.19	70.768		
12,100.00	7,001.00	15,770.00	6,953.66	156.62	242.60	-88.05	-6,804.17	-15,181.31	9,962.73	9,820.63	142.10	70.111		
12,200.00	7,001.00	15,770.00	6,953.66	158.23	242.60	-88.05	-6,804.17	-15,181.31	9,862.99	9,720.98	142.01	69.454		
12,300.00	7,001.00	15,770.00	6,953.66	159.87	242.60	-88.05	-6,804.17	-15,181.31	9,763.26	9,621.34	141.91	68.797		
12,400.00	7,001.00	15,770.00	6,953.66	161.53	242.60	-88.05	-6,804.17	-15,181.31	9,663.53	9,521.71	141.82	68.139		
12,500.00	7,001.00	15,770.00	6,953.66	163.22	242.60	-88.05	-6,804.17	-15,181.31	9,563.80	9,422.08	141.73	67.481		
12,600.00	7,001.00	15,770.00	6,953.66	164.94	242.60	-88.05	-6,804.17	-15,181.31	9,464.09	9,322.46	141.63	66.823		
12,700.00	7,001.00	15,770.00	6,953.66	166.69	242.60	-88.05	-6,804.17	-15,181.31	9,364.38	9,222.84	141.53	66.164		
12,800.00	7,001.00	15,770.00	6,953.66	168.46	242.60	-88.05	-6,804.17	-15,181.31	9,264.67	9,123.24	141.43	65.505		
12,900.00	7,001.00	15,770.00	6,953.66	170.26	242.60	-88.05	-6,804.17	-15,181.31	9,164.97	9,023.64	141.34	64.846		
13,000.00	7,001.00	15,770.00	6,953.66	172.08	242.60	-88.05	-6,804.17	-15,181.31	9,065.28	8,924.05	141.23	64.186		
13,100.00	7,001.00	15,770.00	6,953.66	173.92	242.60	-88.05	-6,804.17	-15,181.31	8,965.59	8,824.46	141.13	63.526		
13,200.00	7,001.00	15,770.00	6,953.66	175.79	242.60	-88.05	-6,804.17	-15,181.31	8,865.92	8,724.89	141.03	62.865		
13,300.00	7,001.00	15,770.00	6,953.66	177.68	242.60	-88.05	-6,804.17	-15,181.31	8,766.25	8,625.32	140.93	62.204		
13,400.00	7,001.00	15,770.00	6,953.66	179.60	242.60	-88.05	-6,804.17	-15,181.31	8,666.58	8,525.76	140.82	61.543		
13,500.00	7,001.00	15,770.00	6,953.66	181.53	242.60	-88.05	-6,804.17	-15,181.31	8,566.93	8,426.21	140.71	60.882		
13,600.00	7,001.00	15,770.00	6,953.66	183.49	242.60	-88.05	-6,804.17	-15,181.31	8,467.28	8,326.67	140.61	60.219		
13,700.00	7,001.00	15,770.00	6,953.66	185.47	242.60	-88.05	-6,804.17	-15,181.31	8,367.64	8,227.14	140.50	59.557		
13,800.00	7,001.00	15,770.00	6,953.66	187.47	242.60	-88.05	-6,804.17	-15,181.31	8,268.01	8,127.62	140.39	58.894		
13,900.00	7,001.00	15,770.00	6,953.66	189.49	242.60	-88.05	-6,804.17	-15,181.31	8,168.39	8,028.11	140.28	58.231		
14,000.00	7,001.00	15,770.00	6,953.66	191.53	242.60	-88.05	-6,804.17	-15,181.31	8,068.78	7,928.61	140.16	57.567		
14,100.00	7,001.00	15,770.00	6,953.66	193.58	242.60	-88.05	-6,804.17	-15,181.31	7,969.18	7,829.13	140.05	56.903		
14,200.00	7,001.00	15,770.00	6,953.66	195.66	242.60	-88.05	-6,804.17	-15,181.31	7,869.58	7,729.65	139.93	56.238		
14,300.00	7,001.00	15,770.00	6,953.66	197.75	242.60	-88.05	-6,804.17	-15,181.31	7,770.00	7,630.19	139.82	55.572		
14,400.00	7,001.00	15,770.00	6,953.66	199.85	242.60	-88.05	-6,804.17	-15,181.31	7,670.43	7,530.73	139.70	54.907		
14,500.00	7,001.00	15,770.00	6,953.66	201.98	242.60	-88.05	-6,804.17	-15,181.31	7,570.87	7,431.29	139.58	54.240		
14,600.00	7,001.00	15,770.00	6,953.66	204.12	242.60	-88.05	-6,804.17	-15,181.31	7,471.33	7,331.87	139.46	53.573		
14,700.00	7,001.00	15,770.00	6,953.66	206.27	242.60	-88.05	-6,804.17	-15,181.31	7,371.79	7,232.45	139.34	52.906		
14,800.00	7,001.00	15,770.00	6,953.66	208.45	242.60	-88.05	-6,804.17	-15,181.31	7,272.27	7,133.05	139.22	52.238		
14,900.00	7,001.00	15,770.00	6,953.66	210.63	242.60	-88.05	-6,804.17	-15,181.31	7,172.76	7,033.67	139.09	51.569		
15,000.00	7,001.00	15,770.00	6,953.66	212.83	242.60	-88.05	-6,804.17	-15,181.31	7,073.26	6,934.30	138.97	50.899		
15,100.00	7,001.00	15,770.00	6,953.66	215.04	242.60	-88.05	-6,804.17	-15,181.31	6,973.78	6,834.94	138.84	50.229		
15,200.00	7,001.00	15,770.00	6,953.66	217.27	242.60	-88.05	-6,804.17	-15,181.31	6,874.32	6,735.61	138.71	49.558		
15,300.00	7,001.00	15,770.00	6,953.66	219.51	242.60	-88.05	-6,804.17	-15,181.31	6,774.87	6,636.28	138.58	48.887		
15,400.00	7,001.00	15,770.00	6,953.66	221.76	242.60	-88.05	-6,804.17	-15,181.31	6,675.43	6,536.98	138.45	48.214		
15,500.00	7,001.00	15,770.00	6,953.66	224.02	242.60	-88.05	-6,804.17	-15,181.31	6,576.02	6,437.69	138.32	47.541		
15,600.00	7,001.00	15,770.00	6,953.66	226.30	242.60	-88.05	-6,804.17	-15,181.31	6,476.62	6,338.43	138.19	46.867		
15,700.00	7,001.00	15,770.00	6,953.66	228.58	242.60	-88.05	-6,804.17	-15,181.31	6,377.24	6,239.18	138.06	46.192		
15,800.00	7,001.00	15,770.00	6,953.66	230.88	242.60	-88.05	-6,804.17	-15,181.31	6,277.88	6,139.95	137.93	45.516		
15,900.00	7,001.00	15,770.00	6,953.66	233.19	242.60	-88.05	-6,804.17	-15,181.31	6,178.54	6,040.75	137.79	44.839		
16,000.00	7,001.00	15,770.00	6,953.66	235.50	242.60	-88.05	-6,804.17	-15,181.31	6,079.22	5,941.56	137.66	44.161		
16,100.00	7,001.00	15,770.00	6,953.66	237.83	242.60	-88.05	-6,804.17	-15,181.31	5,979.93	5,842.40	137.53	43.482		
16,200.00	7,001.00	15,770.00	6,953.66	240.17	242.60	-88.05	-6,804.17	-15,181.31	5,880.66	5,743.26	137.39	42.802		
16,300.00	7,001.00	15,770.00	6,953.66	242.52	242.60	-88.05	-6,804.17	-15,181.31	5,781.41	5,644.15	137.26	42.121		
16,400.00	7,001.00	15,770.00	6,953.66	244.87	242.60	-88.05	-6,804.17	-15,181.31	5,682.19	5,545.07	137.13	41.438		
16,500.00	7,001.00	15,770.00	6,953.66	247.24	242.60	-88.05	-6,804.17	-15,181.31	5,583.00	5,446.01	136.99	40.754		
16,600.00	7,001.00	15,770.00	6,953.66	249.61	242.60	-88.05	-6,804.17	-15,181.31	5,483.84	5,346.97	136.86	40.068		
16,700.00	7,001.00	15,770.00	6,953.66	251.99	242.60	-88.05	-6,804.17	-15,181.31	5,384.71	5,247.97	136.73	39.381		
16,800.00	7,001.00	15,770.00	6,953.66	254.38	242.60	-88.05	-6,804.17	-15,181.31	5,285.61	5,149.00	136.61	38.692		
16,900.00	7,001.00	15,770.00	6,953.66	256.78	242.60	-88.05	-6,804.17	-15,181.31	5,186.54	5,050.06	136.48	38.001		
17,000.00	7,001.00	15,770.00	6,953.66	259.18	242.60	-88.05	-6,804.17	-15,181.31	5,087.52	4,951.15	136.36	37.309		
17,100.00	7,001.00	15,770.00	6,953.66	261.59	242.60	-88.05	-6,804.17	-15,181.31	4,988.53	4,852.28	136.25	36.614		

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

Civitas Resources

Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 1663-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,200.00	7,001.00	15,770.00	6,953.66	264.01	242.60	-88.05	-6,804.17	-15,181.31	4,889.58	4,753.45	136.13	35.917		
17,300.00	7,001.00	15,770.00	6,953.66	266.44	242.60	-88.05	-6,804.17	-15,181.31	4,790.68	4,654.65	136.03	35.218		
17,400.00	7,001.00	15,770.00	6,953.66	268.87	242.60	-88.05	-6,804.17	-15,181.31	4,691.82	4,555.89	135.93	34.516		
17,500.00	7,001.00	15,770.00	6,953.66	271.31	242.60	-88.05	-6,804.17	-15,181.31	4,593.01	4,457.17	135.84	33.811		
17,600.00	7,001.00	15,770.00	6,953.66	273.75	242.60	-88.05	-6,804.17	-15,181.31	4,494.26	4,358.50	135.76	33.104		
17,700.00	7,001.00	15,770.00	6,953.66	276.20	242.60	-88.05	-6,804.17	-15,181.31	4,395.56	4,259.86	135.70	32.393		
17,800.00	7,001.00	15,770.00	6,953.66	278.66	242.60	-88.05	-6,804.17	-15,181.31	4,296.92	4,161.28	135.64	31.678		
17,900.00	7,001.00	15,770.00	6,953.66	281.12	242.60	-88.05	-6,804.17	-15,181.31	4,198.35	4,062.74	135.61	30.959		
18,000.00	7,001.00	15,770.00	6,953.66	283.59	242.60	-87.83	-6,804.17	-15,181.31	4,099.77	3,964.17	135.59	30.236		
18,100.00	7,001.00	15,770.00	6,953.66	286.09	242.60	-87.23	-6,804.17	-15,181.31	4,000.78	3,865.17	135.61	29.503		
18,200.00	7,001.00	15,770.00	6,953.66	288.62	242.60	-86.21	-6,804.17	-15,181.31	3,901.39	3,765.75	135.63	28.764		
18,300.00	7,001.00	15,770.00	6,953.66	291.16	242.60	-86.21	-6,804.17	-15,181.31	3,801.85	3,666.17	135.67	28.022		
18,400.00	7,001.00	15,770.00	6,953.66	293.71	242.60	-86.21	-6,804.17	-15,181.31	3,702.33	3,566.61	135.72	27.278		
18,500.00	7,001.00	15,770.00	6,953.66	296.26	242.60	-86.21	-6,804.17	-15,181.31	3,602.84	3,467.05	135.79	26.533		
18,600.00	7,001.00	15,770.00	6,953.66	298.81	242.60	-86.21	-6,804.17	-15,181.31	3,503.38	3,367.52	135.86	25.786		
18,700.00	7,001.00	15,770.00	6,953.66	301.36	242.60	-86.21	-6,804.17	-15,181.31	3,403.95	3,268.00	135.96	25.037		
18,800.00	7,001.00	15,770.00	6,953.66	303.92	242.60	-86.21	-6,804.17	-15,181.31	3,304.56	3,168.49	136.07	24.286		
18,900.00	7,001.00	15,770.00	6,953.66	306.48	242.60	-86.21	-6,804.17	-15,181.31	3,205.20	3,069.00	136.21	23.532		
19,000.00	7,001.00	15,770.00	6,953.66	309.04	242.60	-86.21	-6,804.17	-15,181.31	3,105.89	2,969.52	136.37	22.776		
19,100.00	7,001.00	15,770.00	6,953.66	311.61	242.60	-86.21	-6,804.17	-15,181.31	3,006.62	2,870.05	136.56	22.016		
19,200.00	7,001.00	15,770.00	6,953.66	314.18	242.60	-86.21	-6,804.17	-15,181.31	2,907.40	2,770.60	136.80	21.253		
19,300.00	7,001.00	15,770.00	6,953.66	316.75	242.60	-86.21	-6,804.17	-15,181.31	2,808.23	2,671.15	137.08	20.486		
19,400.00	7,001.00	15,770.00	6,953.66	319.32	242.60	-86.21	-6,804.17	-15,181.31	2,709.13	2,571.71	137.42	19.714		
19,500.00	7,001.00	15,770.00	6,953.66	321.90	242.60	-86.21	-6,804.17	-15,181.31	2,610.09	2,472.26	137.83	18.937		
19,600.00	7,001.00	15,770.00	6,953.66	324.48	242.60	-86.21	-6,804.17	-15,181.31	2,511.14	2,372.82	138.32	18.155		
19,700.00	7,001.00	15,770.00	6,953.66	327.05	242.60	-86.71	-6,804.17	-15,181.31	2,412.39	2,273.44	138.94	17.363		
19,800.00	7,001.00	15,770.00	6,953.66	329.62	242.60	-87.24	-6,804.17	-15,181.31	2,314.35	2,174.50	139.85	16.548		
19,900.00	7,001.00	15,770.00	6,953.66	332.16	242.60	-87.57	-6,804.17	-15,181.31	2,217.29	2,076.09	141.19	15.704		
20,000.00	7,001.00	15,770.00	6,953.66	334.70	242.60	-87.57	-6,804.17	-15,181.31	2,120.86	1,977.85	143.01	14.831		
20,100.00	7,001.00	15,770.00	6,953.66	337.24	242.60	-87.57	-6,804.17	-15,181.31	2,024.78	1,879.44	145.34	13.931		
20,200.00	7,001.00	15,770.00	6,953.66	339.79	242.60	-87.57	-6,804.17	-15,181.31	1,929.10	1,780.77	148.33	13.006		
20,300.00	7,001.00	15,770.00	6,953.66	342.34	242.60	-87.57	-6,804.17	-15,181.31	1,833.88	1,681.73	152.15	12.053		
20,400.00	7,001.00	15,770.00	6,953.66	344.89	242.60	-87.57	-6,804.17	-15,181.31	1,739.20	1,582.18	157.01	11.077		
20,500.00	7,001.00	15,770.00	6,953.66	347.44	242.60	-87.57	-6,804.17	-15,181.31	1,645.15	1,481.97	163.18	10.082		
20,600.00	7,001.00	15,770.00	6,953.66	350.00	242.60	-87.57	-6,804.17	-15,181.31	1,551.84	1,380.90	170.93	9.079		
20,683.43	7,001.00	15,770.00	6,953.66	351.63	242.60	-87.57	-6,804.17	-15,181.31	1,474.66	1,294.86	179.80	8.202 CC, ES, SF		

Civitas Resources

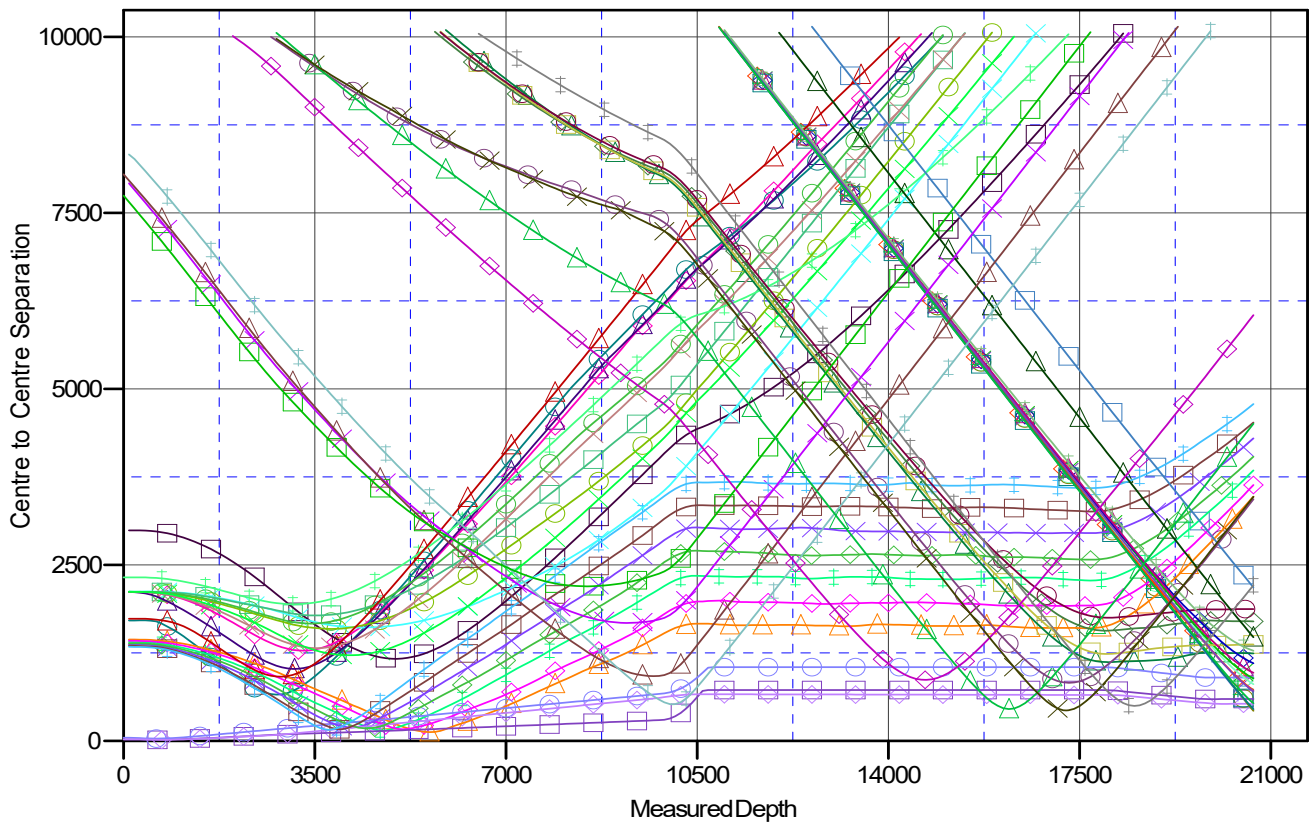
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KBE 25' @ 4922.00usft
Offset Depths are relative to Offset Datum
Central Meridian is 105.500000°W

Coordinates are relative to: MAVERICK 2W-20-02
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.43°

Ladder Plot



LEGEND

- | | | |
|--|--|--|
| ABND VERT LIND 36-33, Wellbore #1, Design #1 V0 | ICE MAN 2W45-4N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0 | VARRA 4, Wellbore #1, Wellbore #1 V0 |
| EXIST HZ SCHNBDR 16-36, Wellbore #1, Wellbore #1 V0 | EXIST HZ BALDRIDGE 2-1, Wellbore #1, Wellbore #1 V0 | VARRA 11, Wellbore #1, Wellbore #1 V0 |
| EXIST HZ SCHNBDR 33-36, Wellbore #1, Wellbore #1 V0 | ABND VERT LIND 36-32, Wellbore #1, Design #1 V0 | VARRA 9, STK1 STK1 V0 |
| EXIST HZ BALDRIDGE 7-1, Wellbore #1, Wellbore #1 V0 | ICE MAN 2W45-2N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0 | VARRA 9, Wellbore #1, Wellbore #1 V0 |
| EXIST HZ SCHNBDR 20-36, Wellbore #1, Wellbore #1 V0 | EXIST HZ SCHNBDR 34-36, Wellbore #1, Wellbore #1 V0 | VARRA 12, Wellbore #1, Wellbore #1 V0 |
| EXIST HZ BALDRIDGE 17-1, Wellbore #1, Wellbore #1 V0 | ICE MAN 2W45-1C, ORIGINAL WELLBORE, WB #1 - PATT 93 V0 | VARRA 7, Wellbore #1, Wellbore #1 V0 |
| ICE MAN 2W45-7N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0 | MICKEY 13, ORIGINAL WELLBORE, WB #1 - Patterson 34 V0 | VARRA 5, Wellbore #1, Wellbore #1 V0 |
| ICE MAN 2W45-6C, ORIGINAL WELLBORE, WB #1 - PATT 93 V0 | VARRA 8, Wellbore #1, Wellbore #1 V0 | SIMONSEN 1L421, Wellbore #1, Wellbore #1 V0 |
| EXIST HZ BALDRIDGE 8-1, Wellbore #1, Wellbore #1 V0 | VARRA 3, Wellbore #1, Wellbore #1 V0 | SIMONSEN 1L241, Wellbore #1, Wellbore #1 V0 |
| EXIST HZ SCHNBDR 37-36, Wellbore #1, Wellbore #1 V0 | VARRA 3, STK1 STK1 V0 | SIMONSEN 1421, Wellbore #1, Wellbore #1 V0 |
| EXIST HZ SCHNBDR 1-1, Wellbore #1, Wellbore #1 V0 | MICKEY 11, ORIGINAL WELLBORE, WB #1 - Patterson 36 V0 | SIMONSEN 1Q241, Wellbore #1, Wellbore #1 V0 |
| ICE MAN 2W45-6N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0 | VARRA 10, Wellbore #1, Wellbore #1 V0 | EXIST HZ BOWER 15-3, Wellbore #1, Wellbore #1 V0 |
| MAVERICK 2W20-03, OWB, PROPOSAL 1 V0 | MICKEY 12, ORIGINAL WELLBORE, WB #1 - Patterson 34 V0 | ABND VERT BOWER 1-3, Wellbore #1, Design #1 V0 |
| ICE MAN 2W45-3N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0 | VARRA 6, Wellbore #1, Wellbore #1 V0 | ABND VERT MOSER 1-2, Wellbore #1, Design #1 V0 |
| MAVERICK 2W20-01, OWB, PROPOSAL 1 V0 | MICKEY 10, ORIGINAL WELLBORE, WB #1 - Patterson 36 V0 | EXIST HZ BOWER 10-3, Wellbore #1, Wellbore #1 V0 |
| | VARRA 2, Wellbore #1, Wellbore #1 V0 | ABND VERT OCHSNER 1-3, Wellbore #1, Design #1 V0 |

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

Civitas Resources

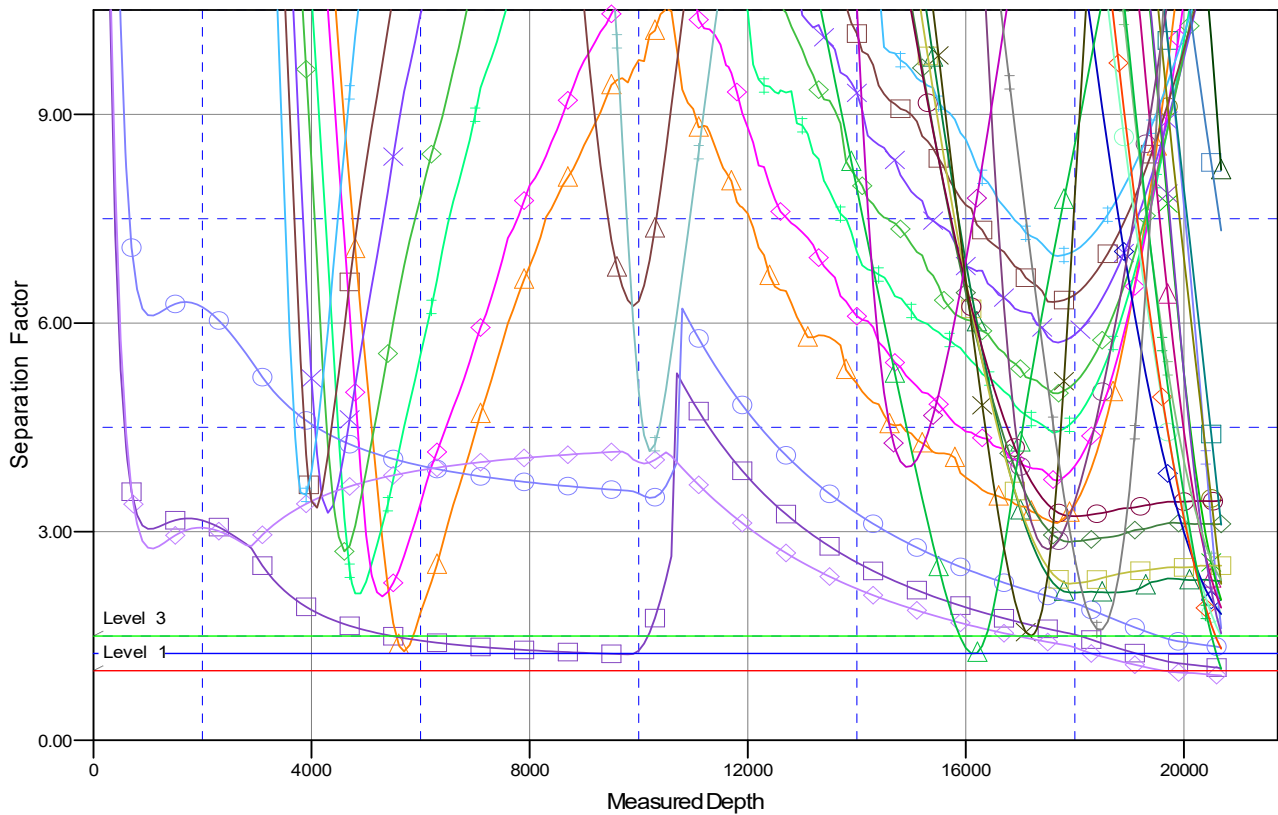
Anticollision Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Reference Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	MAVERICK 2W-20-02	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDM
Reference Design:	PROPOSAL 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KBE 25' @ 4922.00usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 105.500000°W

Coordinates are relative to: MAVERICK 2W-20-02
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.43°

Separation Factor Plot



LEGEND

ABND VERT LIND 36-33, Wellbore #1, Design #1 V0	ICE MAN 2W45-4N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0	VARRA 4, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDR 16-36, Wellbore #1, Wellbore #1 V0	EXIST HZ BALDRIDGE 2-1, Wellbore #1, Wellbore #1 V0	VARRA 11, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDR 33-36, Wellbore #1, Wellbore #1 V0	ABND VERT LIND 36-32, Wellbore #1, Design #1 V0	VARRA 9, STK1STK1 V0
EXIST HZ BALDRIDGE 7-1, Wellbore #1, Wellbore #1 V0	ICE MAN 2W45-2N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0	VARRA 9, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDR 20-36, Wellbore #1, Wellbore #1 V0	EXIST HZ SCHNBDR 34-36, Wellbore #1, Wellbore #1 V0	VARRA 12, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 17-1, Wellbore #1, Wellbore #1 V0	ICE MAN 2W45-4C, ORIGINAL WELLBORE, WB #1 - PATT 93 V0	VARRA 7, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-7N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0	MICKEY 13, ORIGINAL WELLBORE, WB #1 - Patterson 36 V0	VARRA 5, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-6C, ORIGINAL WELLBORE, WB #1 - PATT 93 V0	VARRA 8, Wellbore #1, Wellbore #1 V0	SIMONSEN 1421, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 8-1, Wellbore #1, Wellbore #1 V0	VARRA 3, Wellbore #1, Wellbore #1 V0	SIMONSEN 1424, Wellbore #1, Wellbore #1 V0
EXIST HZ SCHNBDR 37-36, Wellbore #1, Wellbore #1 V0	VARRA 3, STK1STK1 V0	SIMONSEN 1421, Wellbore #1, Wellbore #1 V0
EXIST HZ BALDRIDGE 1-1, Wellbore #1, Wellbore #1 V0	MICKEY 11, ORIGINAL WELLBORE, WB #1 - Patterson 36 V0	SIMONSEN 1Q241, Wellbore #1, Wellbore #1 V0
ICE MAN 2W45-6N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0	VARRA 10, Wellbore #1, Wellbore #1 V0	EXIST HZ BOWER 15-3, Wellbore #1, Wellbore #1 V0
MAVERICK 2W20-03, OWB, PROPOSAL 1 V0	MICKEY 12, ORIGINAL WELLBORE, WB #1 - Patterson 36 V0	ABND VERT BOWER 1-3, Wellbore #1, Design #1 V0
ICE MAN 2W45-3N, ORIGINAL WELLBORE, WB #1 - PATT 93 V0	VARRA 6, Wellbore #1, Wellbore #1 V0	ABND VERT MOSER 1-2, Wellbore #1, Design #1 V0
MAVERICK 2W20-01, OWB, PROPOSAL 1 V0	MICKEY 10, ORIGINAL WELLBORE, WB #1 - Patterson 36 V0	EXIST HZ BOWER 10-3, Wellbore #1, Wellbore #1 V0
	VARRA 2, Wellbore #1, Wellbore #1 V0	ABND VERT OCHSNER 1-3, Wellbore #1, Design #1 V0