

EXTRACTION OIL & GAS

WELD COUNTY

Sec 36-T7N-R67W

MAVERICK 2W-20-03

OWB

Design: FINAL SURVEY

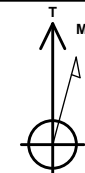
Standard Survey Report

11 February, 2025



Project: WELD COUNTY
 Site: Sec 36-T7N-R67W
 Well: MAVERICK 2W-20-03
 Wellbore: OWB
 Design: FINAL SURVEY

PROJECT DETAILS: WELD COUNTY
 Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Colorado Northern Zone
 System Datum: Mean Sea Level



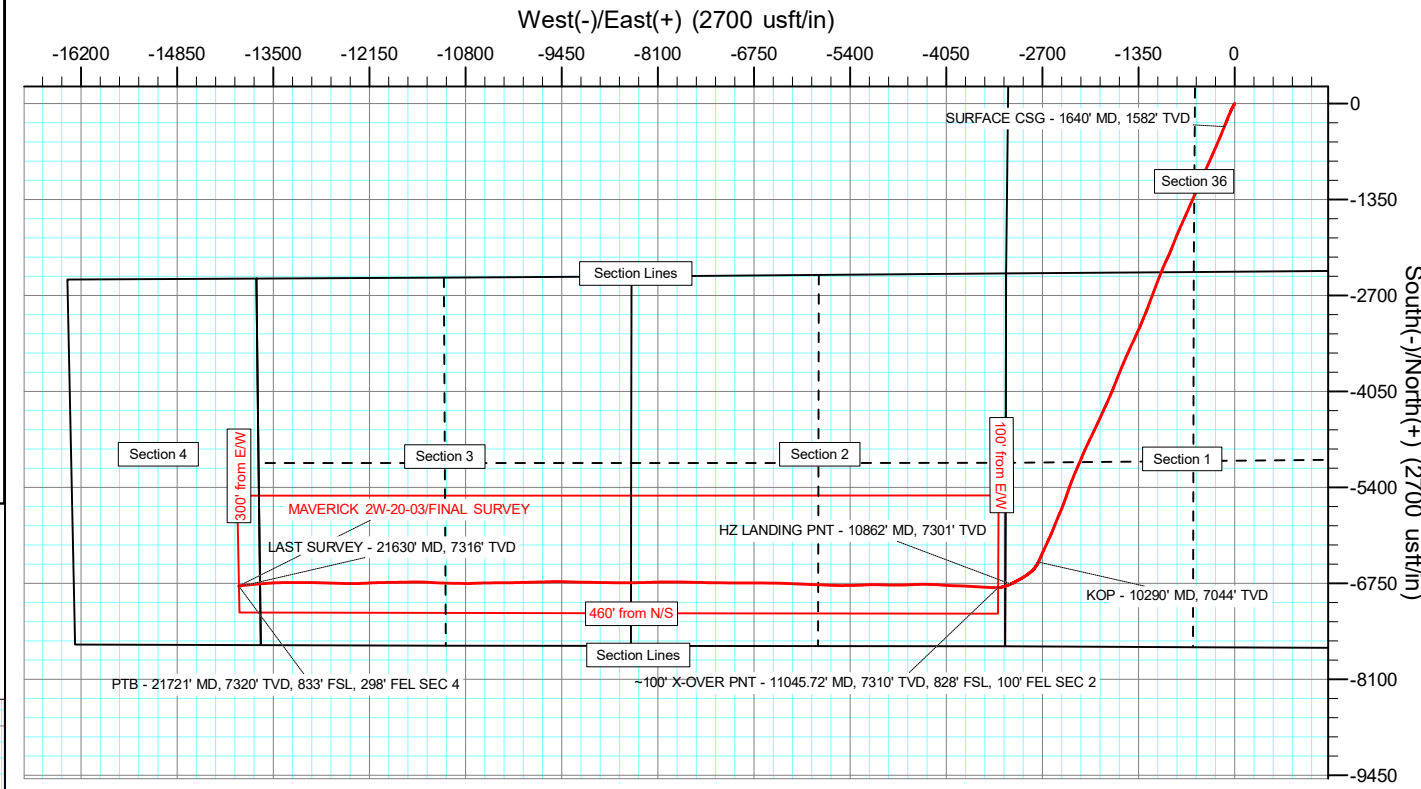
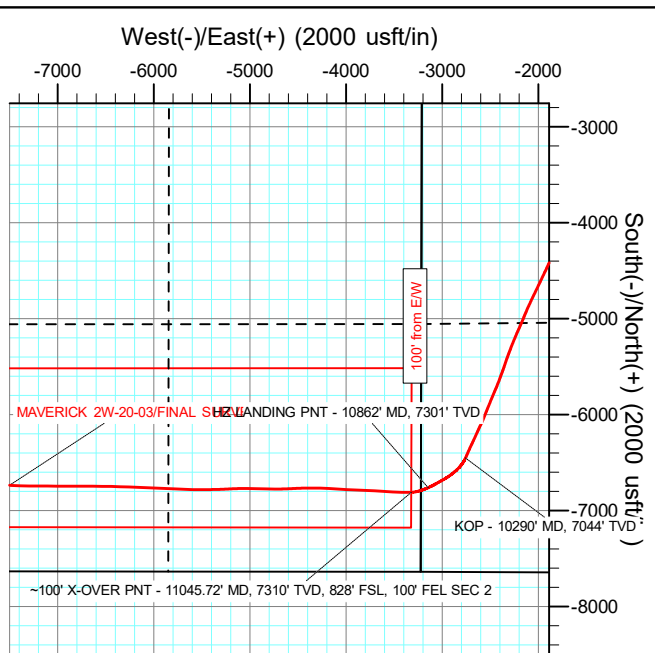
Azimuths to True North
 Magnetic North: 7.52°
 Magnetic Field
 Strength: 51629.4nT
 Dip Angle: 66.59°
 Date: 2/6/2025
 Model: IGRF2020

WELL DETAILS: MAVERICK 2W-20-03

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1436577.00	3183569.59	40.529928°N	104.839616°W	

ANNOTATIONS

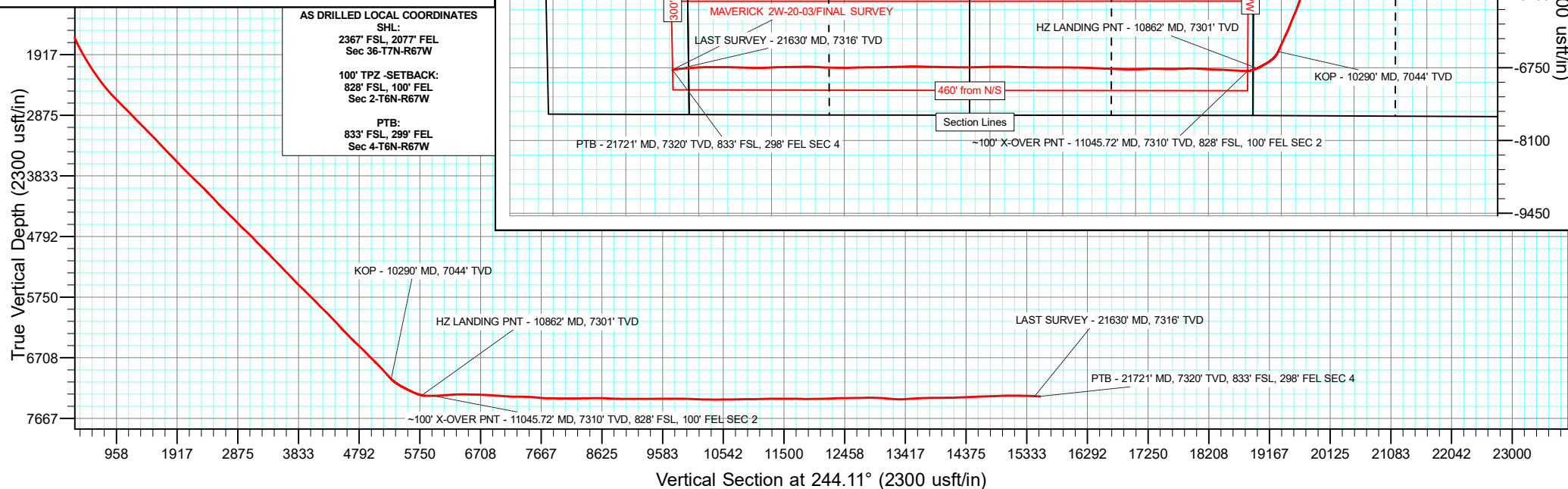
MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
1640.00	27.71	202.15	1582.41	-322.74	-144.03	270.49	354.16	SURFACE CSG - 1640' MD, 1582' TVD
10290.00	51.72	204.66	7044.11	-6450.14	-2756.32	5295.93	7017.63	KOP - 10290' MD, 7044' TVD
10862.00	77.69	245.67	7301.27	-6760.22	-3145.17	5781.15	7525.33	HZ LANDING PNT - 10862' MD, 7301' TVD
11045.72	90.24	265.85	7309.68	-6809.36	-3320.51	5960.34	7708.37	~100' X-OVER PNT - 11045.72' MD, 7310' TVD, 828' FSL, 100' FEL SEC 2
21630.00	87.41	263.87	7316.30	-6777.01	-13893.81	15458.49	18287.37	LAST SURVEY - 21630' MD, 7316' TVD
21721.00	87.41	263.87	7320.41	-6786.71	-13984.20	15544.04	18378.27	PTB - 21721' MD, 7320' TVD, 833' FSL, 298' FEL SEC 4



AS DRILLED LOCAL COORDINATES
 SHL:
 2367' FSL, 2077' FEL
 Sec 36-T7N-R67W

100' TPZ -SETBACK:
 828' FSL, 100' FEL
 Sec 2-T6N-R67W

PTB:
 833' FSL, 299' FEL
 Sec 4-T6N-R67W



Civitas Resources

Survey Report

Company: EXTRACTION OIL & GAS	Local Co-ordinate Reference: Well MAVERICK 2W-20-03
Project: WELD COUNTY	TVD Reference: KBE 25' @ 4922.00usft
Site: Sec 36-T7N-R67W	MD Reference: KBE 25' @ 4922.00usft
Well: MAVERICK 2W-20-03	North Reference: True
Wellbore: OWB	Survey Calculation Method: Minimum Curvature
Design: FINAL SURVEY	Database: EDM

Project WELD COUNTY	
Map System: US State Plane 1983	System Datum: Mean Sea Level
Geo Datum: North American Datum 1983	
Map Zone: Colorado Northern Zone	

Site Sec 36-T7N-R67W		
Site Position:	Northing: 1,434,164.62 usft	Latitude: 40.523371°N
From: Lat/Long	Easting: 3,180,376.52 usft	Longitude: 104.851166°W
Position Uncertainty: 0.00 usft	Slot Radius: 13.200 in	Grid Convergence: 0.42 °

Well MAVERICK 2W-20-03		
Well Position +N/-S 0.00 usft	Northing: 1,436,577.00 usft	Latitude: 40.529928°N
+E/-W 0.00 usft	Easting: 3,183,569.59 usft	Longitude: 104.839616°W
Position Uncertainty 0.00 usft	Wellhead Elevation: usft	Ground Level: 4,897.00 usft

Wellbore OWB					
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2020	2/6/2025	(°) 7.52	(°) 66.59	(nT) 51,629.42136175

Design FINAL SURVEY				
Audit Notes:				
Version: 1.0	Phase: ACTUAL	Tie On Depth: 0.00		
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.00	0.00	0.00	244.11

Survey Program		Date 2/11/2025		
From	To	Survey (Wellbore)		
(usft)	(usft)			
		Tool Name		
		Description		
212.00	1,522.00	SURFACE SURVEY (OWB)	MWD OWSG	OWSG MWD - Standard
1,666.00	21,721.00	FINAL SURVEY (OWB)	MWD OWSG	OWSG MWD - Standard

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
212.00	1.99	201.07	211.96	-3.44	-1.32	2.69	0.94	0.94	0.00	
302.00	2.65	211.08	301.88	-6.68	-2.96	5.58	0.86	0.73	11.12	
391.00	3.23	211.38	390.77	-10.58	-5.33	9.41	0.65	0.65	0.34	
481.00	5.17	208.74	480.52	-16.30	-8.60	14.85	2.17	2.16	-2.93	
575.00	7.47	211.08	573.94	-25.25	-13.79	23.43	2.46	2.45	2.49	
670.00	9.85	209.36	667.85	-37.62	-20.96	35.28	2.52	2.51	-1.81	
764.00	11.98	208.78	760.15	-53.18	-29.60	49.85	2.27	2.27	-0.62	
858.00	13.88	208.08	851.76	-71.68	-39.61	66.93	2.03	2.02	-0.74	
953.00	15.02	202.97	943.76	-93.07	-49.78	85.41	1.80	1.20	-5.38	

Civitas Resources

Survey Report

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Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Well:	MAVERICK 2W-20-03	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,048.00	17.19	202.57	1,035.02	-117.37	-59.97	105.19	2.29	2.28	-0.42
1,143.00	17.37	203.54	1,125.74	-143.33	-71.02	126.47	0.36	0.19	1.02
1,238.00	18.60	201.86	1,216.09	-170.39	-82.33	148.46	1.41	1.29	-1.77
1,332.00	21.48	201.86	1,304.39	-200.29	-94.32	172.30	3.06	3.06	0.00
1,427.00	24.57	200.94	1,391.81	-234.88	-107.86	199.59	3.27	3.25	-0.97
1,522.00	26.69	203.10	1,477.46	-272.96	-123.29	230.09	2.44	2.23	2.27
1,640.00	27.71	202.15	1,582.41	-322.74	-144.03	270.49	0.94	0.86	-0.80
SURFACE CSG - 1640' MD, 1582' TVD									
1,666.00	27.93	201.95	1,605.41	-333.99	-148.58	279.50	0.94	0.86	-0.77
1,760.00	31.82	201.86	1,686.90	-377.42	-166.05	314.17	4.14	4.14	-0.10
1,854.00	34.29	201.78	1,765.68	-425.02	-185.10	352.09	2.63	2.63	-0.09
1,949.00	35.71	203.01	1,843.50	-475.39	-205.87	392.77	1.67	1.49	1.29
2,044.00	37.03	203.50	1,919.99	-527.15	-228.11	435.38	1.42	1.39	0.52
2,137.00	38.00	203.41	1,993.76	-579.10	-250.65	478.34	1.04	1.04	-0.10
2,232.00	39.24	203.94	2,067.98	-633.40	-274.47	523.47	1.35	1.31	0.56
2,326.00	40.61	203.50	2,140.07	-688.63	-298.73	569.42	1.49	1.46	-0.47
2,421.00	42.51	203.89	2,211.15	-746.34	-324.06	617.40	2.02	2.00	0.41
2,516.00	43.04	203.54	2,280.88	-805.41	-350.01	666.53	0.61	0.56	-0.37
2,610.00	44.54	204.07	2,348.74	-864.92	-376.27	716.14	1.64	1.60	0.56
2,704.00	46.09	204.16	2,414.84	-925.92	-403.57	767.34	1.65	1.65	0.10
2,799.00	48.56	204.33	2,479.23	-989.60	-432.25	820.94	2.60	2.60	0.18
2,894.00	50.02	202.97	2,541.19	-1,055.56	-461.13	875.72	1.88	1.54	-1.43
2,988.00	52.50	203.36	2,600.01	-1,122.96	-489.97	931.10	2.66	2.64	0.41
3,108.00	52.10	202.83	2,673.39	-1,210.30	-527.22	1,002.74	0.48	-0.33	-0.44
3,202.00	52.98	204.99	2,730.57	-1,278.50	-557.46	1,059.73	2.05	0.94	2.30
3,297.00	52.63	204.33	2,788.00	-1,347.27	-589.04	1,118.16	0.66	-0.37	-0.69
3,391.00	50.99	203.45	2,846.11	-1,414.81	-618.96	1,174.57	1.89	-1.74	-0.94
3,486.00	52.63	203.85	2,904.85	-1,483.21	-648.92	1,231.38	1.76	1.73	0.42
3,581.00	51.44	203.14	2,963.29	-1,551.89	-678.78	1,288.24	1.38	-1.25	-0.75
3,676.00	52.98	204.69	3,021.50	-1,620.51	-709.22	1,345.58	2.07	1.62	1.63
3,770.00	52.45	204.46	3,078.45	-1,688.52	-740.32	1,403.26	0.60	-0.56	-0.24
3,865.00	51.39	203.76	3,137.04	-1,756.78	-770.87	1,460.54	1.26	-1.12	-0.74
3,960.00	53.29	202.70	3,195.08	-1,825.88	-800.52	1,517.40	2.19	2.00	-1.12
4,054.00	51.66	201.51	3,252.33	-1,894.95	-828.58	1,572.79	2.00	-1.73	-1.27
4,149.00	52.41	201.82	3,310.78	-1,964.55	-856.24	1,628.06	0.83	0.79	0.33
4,244.00	50.86	200.98	3,369.74	-2,033.90	-883.42	1,682.79	1.77	-1.63	-0.88
4,339.00	51.17	203.94	3,429.51	-2,102.13	-911.63	1,737.96	2.44	0.33	3.12
4,434.00	53.12	204.95	3,487.81	-2,170.40	-942.67	1,795.70	2.22	2.05	1.06
4,529.00	50.51	204.42	3,546.53	-2,238.24	-973.86	1,853.38	2.78	-2.75	-0.56
4,623.00	50.99	202.66	3,606.01	-2,304.97	-1,002.93	1,908.66	1.54	0.51	-1.87
4,717.00	53.25	202.13	3,663.72	-2,373.57	-1,031.19	1,964.04	2.45	2.40	-0.56
4,812.00	53.20	201.34	3,720.60	-2,444.25	-1,059.37	2,020.25	0.67	-0.05	-0.83
4,907.00	53.87	201.25	3,777.06	-2,515.44	-1,087.11	2,076.29	0.71	0.71	-0.09

Civitas Resources

Survey Report

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Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Well:	MAVERICK 2W-20-03	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
5,002.00	54.13	200.76	3,832.90	-2,587.19	-1,114.66	2,132.40	0.50	0.27	-0.52	
5,096.00	54.79	200.59	3,887.54	-2,658.75	-1,141.67	2,187.94	0.72	0.70	-0.18	
5,191.00	55.41	200.59	3,941.89	-2,731.69	-1,169.07	2,244.44	0.65	0.65	0.00	
5,285.00	55.15	200.41	3,995.43	-2,804.06	-1,196.13	2,300.38	0.32	-0.28	-0.19	
5,380.00	53.43	199.62	4,050.88	-2,876.53	-1,222.53	2,355.78	1.93	-1.81	-0.83	
5,474.00	51.57	203.05	4,108.11	-2,945.98	-1,249.63	2,410.48	3.51	-1.98	3.65	
5,568.00	52.63	203.14	4,165.85	-3,014.21	-1,278.72	2,466.44	1.13	1.13	0.10	
5,662.00	50.69	201.56	4,224.16	-3,082.39	-1,306.77	2,521.44	2.45	-2.06	-1.68	
5,757.00	51.44	204.29	4,283.87	-3,150.43	-1,335.56	2,577.05	2.37	0.79	2.87	
5,851.00	53.51	204.60	4,341.13	-3,218.29	-1,366.41	2,634.44	2.22	2.20	0.33	
5,946.00	51.92	203.72	4,398.67	-3,287.25	-1,397.35	2,692.38	1.83	-1.67	-0.93	
6,041.00	53.20	205.43	4,456.43	-3,355.84	-1,428.73	2,750.55	1.96	1.35	1.80	
6,136.00	52.94	204.91	4,513.51	-3,424.57	-1,461.02	2,809.62	0.52	-0.27	-0.55	
6,230.00	50.69	204.11	4,571.62	-3,491.79	-1,491.68	2,866.55	2.49	-2.39	-0.85	
6,324.00	52.54	203.58	4,629.98	-3,559.18	-1,521.46	2,922.76	2.02	1.97	-0.56	
6,419.00	55.86	203.50	4,685.55	-3,629.81	-1,552.23	2,981.28	3.50	3.49	-0.08	
6,513.00	54.09	202.44	4,739.49	-3,700.67	-1,582.28	3,039.25	2.10	-1.88	-1.13	
6,607.00	52.45	202.31	4,795.71	-3,770.34	-1,610.95	3,095.47	1.75	-1.74	-0.14	
6,701.00	51.75	201.69	4,853.45	-3,839.11	-1,638.74	3,150.49	0.91	-0.74	-0.66	
6,796.00	54.18	201.25	4,910.67	-3,909.68	-1,666.49	3,206.27	2.58	2.56	-0.46	
6,891.00	53.56	200.37	4,966.68	-3,981.40	-1,693.75	3,262.11	0.99	-0.65	-0.93	
6,984.00	53.69	204.64	5,021.85	-4,050.55	-1,722.40	3,318.08	3.70	0.14	4.59	
7,079.00	51.04	203.23	5,079.86	-4,119.30	-1,752.94	3,375.56	3.03	-2.79	-1.48	
7,174.00	51.17	203.72	5,139.51	-4,187.11	-1,782.39	3,431.67	0.42	0.14	0.52	
7,269.00	52.94	205.61	5,197.93	-4,255.18	-1,813.66	3,489.53	2.44	1.86	1.99	
7,363.00	50.51	204.64	5,256.15	-4,321.98	-1,845.00	3,546.89	2.71	-2.59	-1.03	
7,458.00	51.08	203.23	5,316.20	-4,389.26	-1,874.86	3,603.13	1.30	0.60	-1.48	
7,553.00	52.10	205.17	5,375.22	-4,457.15	-1,905.38	3,660.22	1.93	1.07	2.04	
7,647.00	49.80	205.43	5,434.44	-4,523.15	-1,936.58	3,717.10	2.46	-2.45	0.28	
7,742.00	50.73	205.30	5,495.17	-4,589.16	-1,967.87	3,774.08	0.98	0.98	-0.14	
7,836.00	52.72	205.52	5,553.39	-4,655.81	-1,999.54	3,831.67	2.12	2.12	0.23	
7,930.00	53.69	205.96	5,609.69	-4,723.61	-2,032.23	3,890.68	1.10	1.03	0.47	
8,025.00	51.92	205.39	5,667.12	-4,791.81	-2,065.02	3,949.96	1.92	-1.86	-0.60	
8,119.00	52.32	204.51	5,724.84	-4,859.08	-2,096.31	4,007.48	0.85	0.43	-0.94	
8,213.00	53.82	203.19	5,781.32	-4,927.81	-2,126.69	4,064.81	1.95	1.60	-1.40	
8,307.00	51.26	202.00	5,838.49	-4,996.68	-2,155.36	4,120.68	2.90	-2.72	-1.27	
8,402.00	52.23	204.07	5,897.31	-5,065.32	-2,184.56	4,176.92	1.99	1.02	2.18	
8,497.00	54.53	203.50	5,953.97	-5,135.09	-2,215.30	4,235.04	2.47	2.42	-0.60	
8,591.00	52.45	202.92	6,009.90	-5,204.52	-2,245.08	4,292.14	2.27	-2.21	-0.62	
8,686.00	51.97	201.69	6,068.11	-5,273.98	-2,273.58	4,348.10	1.14	-0.51	-1.29	
8,781.00	53.73	200.41	6,125.48	-5,344.64	-2,300.76	4,403.41	2.14	1.85	-1.35	
8,875.00	51.13	199.57	6,182.79	-5,414.65	-2,326.24	4,456.90	2.86	-2.77	-0.89	
8,970.00	52.63	198.25	6,241.44	-5,485.35	-2,350.45	4,509.55	1.92	1.58	-1.39	

Civitas Resources

Survey Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Well:	MAVERICK 2W-20-03	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDM

Survey										
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9,065.00	54.75	200.59	6,297.69	-5,557.53	-2,375.92	4,563.98	2.99	2.23	2.46	
9,159.00	52.01	199.93	6,353.76	-5,628.30	-2,402.05	4,618.38	2.97	-2.91	-0.70	
9,254.00	52.76	202.26	6,411.75	-5,698.49	-2,429.14	4,673.40	2.10	0.79	2.45	
9,349.00	55.63	203.50	6,467.32	-5,769.46	-2,459.10	4,731.35	3.20	3.02	1.31	
9,444.00	53.96	202.13	6,522.09	-5,841.00	-2,489.21	4,789.67	2.12	-1.76	-1.44	
9,539.00	54.40	202.53	6,577.69	-5,912.26	-2,518.48	4,847.11	0.58	0.46	0.42	
9,633.00	52.76	201.07	6,633.49	-5,982.48	-2,546.57	4,903.05	2.15	-1.74	-1.55	
9,728.00	52.14	203.28	6,691.40	-6,052.22	-2,574.99	4,959.06	1.96	-0.65	2.33	
9,822.00	53.82	205.61	6,748.00	-6,120.53	-2,606.06	5,016.84	2.67	1.79	2.48	
9,916.00	51.08	203.98	6,805.28	-6,188.17	-2,637.33	5,074.50	3.22	-2.91	-1.73	
10,010.00	51.52	204.99	6,864.06	-6,254.93	-2,667.73	5,131.00	0.96	0.47	1.07	
10,106.00	49.01	205.43	6,925.42	-6,321.72	-2,699.17	5,188.45	2.64	-2.61	0.46	
10,200.00	49.32	202.92	6,986.89	-6,386.59	-2,728.29	5,242.97	2.05	0.33	-2.67	
10,290.00	51.72	204.66	7,044.11	-6,450.14	-2,756.32	5,295.93	3.06	2.67	1.93	
KOP - 10290' MD, 7044' TVD										
10,294.00	51.83	204.73	7,046.58	-6,452.99	-2,757.63	5,298.36	3.06	2.68	1.86	
10,389.00	58.29	216.63	7,101.09	-6,519.57	-2,797.50	5,363.30	12.30	6.80	12.53	
10,485.00	61.29	228.39	7,149.52	-6,580.47	-2,853.50	5,440.27	11.03	3.12	12.25	
10,580.00	62.57	234.08	7,194.25	-6,632.91	-2,918.84	5,521.94	5.45	1.35	5.99	
10,675.00	64.07	241.26	7,236.95	-6,678.23	-2,990.52	5,606.21	6.93	1.58	7.56	
10,768.00	68.76	240.56	7,274.15	-6,719.66	-3,064.97	5,691.29	5.09	5.04	-0.75	
10,862.00	77.69	245.67	7,301.27	-6,760.22	-3,145.17	5,781.15	10.83	9.50	5.44	
HZ LANDING PNT - 10862' MD, 7301' TVD										
10,957.00	90.99	253.20	7,310.63	-6,793.26	-3,233.45	5,874.99	16.06	14.00	7.93	
11,045.72	90.24	265.85	7,309.68	-6,809.36	-3,320.51	5,960.34	14.28	-0.85	14.26	
-100' X-OVER PNT - 11045.72' MD, 7310' TVD, 828' FSL, 100' FEL SEC 2										
11,051.00	90.19	266.60	7,309.66	-6,809.71	-3,325.78	5,965.23	14.28	-0.86	14.25	
11,146.00	92.53	273.25	7,307.40	-6,809.84	-3,420.69	6,050.68	7.42	2.46	7.00	
11,241.00	93.95	273.56	7,302.03	-6,804.20	-3,515.37	6,133.40	1.53	1.49	0.33	
11,335.00	94.26	273.92	7,295.30	-6,798.09	-3,608.93	6,214.90	0.50	0.33	0.38	
11,430.00	92.58	272.86	7,289.63	-6,792.48	-3,703.59	6,297.61	2.09	-1.77	-1.12	
11,524.00	89.57	272.11	7,287.87	-6,788.41	-3,797.47	6,380.29	3.30	-3.20	-0.80	
11,618.00	89.84	271.89	7,288.36	-6,785.13	-3,891.41	6,463.37	0.37	0.29	-0.23	
11,713.00	89.79	272.81	7,288.66	-6,781.23	-3,986.33	6,547.07	0.97	-0.05	0.97	
11,807.00	88.51	273.61	7,290.06	-6,775.97	-4,080.17	6,629.19	1.61	-1.36	0.85	
11,902.00	87.67	273.69	7,293.22	-6,769.92	-4,174.92	6,711.80	0.89	-0.88	0.08	
11,996.00	87.54	271.23	7,297.15	-6,765.89	-4,268.75	6,794.45	2.62	-0.14	-2.62	
12,091.00	86.79	270.57	7,301.85	-6,764.40	-4,363.62	6,879.15	1.05	-0.79	-0.69	
12,186.00	86.70	267.92	7,307.24	-6,765.65	-4,458.45	6,965.01	2.79	-0.09	-2.79	
12,281.00	85.15	267.17	7,314.00	-6,769.71	-4,553.12	7,051.95	1.81	-1.63	-0.79	
12,375.00	87.27	268.19	7,320.21	-6,773.51	-4,646.83	7,137.91	2.50	2.26	1.09	
12,470.00	88.95	270.04	7,323.34	-6,774.97	-4,741.76	7,223.96	2.63	1.77	1.95	
12,564.00	89.70	271.89	7,324.45	-6,773.39	-4,835.73	7,307.81	2.12	0.80	1.97	
12,660.00	89.26	271.54	7,325.32	-6,770.51	-4,931.69	7,392.88	0.59	-0.46	-0.36	

Civitas Resources

Survey Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Well:	MAVERICK 2W-20-03	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
12,754.00	87.85	270.43	7,327.69	-6,768.90	-5,025.64	7,476.70	1.91	-1.50	-1.18	
12,849.00	84.80	268.49	7,333.78	-6,769.79	-5,120.42	7,562.36	3.80	-3.21	-2.04	
12,944.00	84.67	266.86	7,342.50	-6,773.63	-5,214.94	7,649.07	1.71	-0.14	-1.72	
13,038.00	88.25	267.88	7,348.30	-6,777.93	-5,308.65	7,735.25	3.96	3.81	1.09	
13,133.00	89.84	269.55	7,349.89	-6,780.06	-5,403.60	7,821.61	2.43	1.67	1.76	
13,228.00	89.22	269.07	7,350.66	-6,781.20	-5,498.59	7,907.56	0.83	-0.65	-0.51	
13,322.00	90.10	271.67	7,351.22	-6,780.60	-5,592.58	7,991.85	2.92	0.94	2.77	
13,416.00	90.32	273.30	7,350.88	-6,776.52	-5,686.49	8,074.56	1.75	0.23	1.73	
13,511.00	88.82	272.11	7,351.59	-6,772.04	-5,781.37	8,157.97	2.02	-1.58	-1.25	
13,606.00	91.03	271.76	7,351.72	-6,768.83	-5,876.31	8,241.98	2.36	2.33	-0.37	
13,700.00	91.21	272.99	7,349.88	-6,764.94	-5,970.21	8,324.75	1.32	0.19	1.31	
13,795.00	90.72	272.46	7,348.28	-6,760.42	-6,065.09	8,408.14	0.76	-0.52	-0.56	
13,890.00	90.32	271.89	7,347.42	-6,756.81	-6,160.02	8,491.97	0.73	-0.42	-0.60	
13,985.00	89.88	272.02	7,347.25	-6,753.57	-6,254.96	8,575.97	0.48	-0.46	0.14	
14,079.00	88.47	272.28	7,348.60	-6,750.05	-6,348.89	8,658.93	1.53	-1.50	0.28	
14,174.00	86.74	270.39	7,352.57	-6,747.84	-6,443.77	8,743.32	2.70	-1.82	-1.99	
14,268.00	89.35	270.57	7,355.78	-6,747.05	-6,537.70	8,827.49	2.78	2.78	0.19	
14,363.00	88.78	270.87	7,357.33	-6,745.86	-6,632.68	8,912.41	0.68	-0.60	0.32	
14,457.00	90.06	270.52	7,358.28	-6,744.71	-6,726.67	8,996.47	1.41	1.36	-0.37	
14,552.00	89.09	269.60	7,358.99	-6,744.62	-6,821.66	9,081.89	1.41	-1.02	-0.97	
14,647.00	90.90	270.21	7,358.99	-6,744.77	-6,916.66	9,167.42	2.01	1.91	0.64	
14,741.00	90.54	270.61	7,357.81	-6,744.10	-7,010.65	9,251.68	0.57	-0.38	0.43	
14,835.00	89.26	270.26	7,357.98	-6,743.39	-7,104.64	9,335.93	1.41	-1.36	-0.37	
14,930.00	91.07	269.99	7,357.70	-6,743.18	-7,199.64	9,421.31	1.93	1.91	-0.28	
15,025.00	90.59	270.65	7,356.33	-6,742.65	-7,294.63	9,506.53	0.86	-0.51	0.69	
15,120.00	90.19	271.49	7,355.68	-6,740.87	-7,389.61	9,591.21	0.98	-0.42	0.88	
15,215.00	90.32	272.28	7,355.26	-6,737.75	-7,484.55	9,675.26	0.84	0.14	0.83	
15,309.00	89.62	270.79	7,355.31	-6,735.23	-7,578.52	9,758.69	1.75	-0.74	-1.59	
15,404.00	89.66	271.36	7,355.90	-6,733.45	-7,673.50	9,843.37	0.60	0.04	0.60	
15,499.00	88.64	269.90	7,357.31	-6,732.41	-7,768.48	9,928.36	1.87	-1.07	-1.54	
15,594.00	88.33	270.21	7,359.83	-6,732.31	-7,863.44	10,013.76	0.46	-0.33	0.33	
15,688.00	87.80	271.01	7,363.00	-6,731.31	-7,957.38	10,097.83	1.02	-0.56	0.85	
15,783.00	88.16	268.41	7,366.35	-6,731.79	-8,052.32	10,183.45	2.76	0.38	-2.74	
15,878.00	89.66	268.67	7,368.16	-6,734.21	-8,147.26	10,269.92	1.60	1.58	0.27	
15,972.00	89.04	268.14	7,369.22	-6,736.83	-8,241.22	10,355.60	0.87	-0.66	-0.56	
16,067.00	90.50	268.49	7,369.60	-6,739.62	-8,336.18	10,442.24	1.58	1.54	0.37	
16,161.00	90.50	269.77	7,368.78	-6,741.05	-8,430.16	10,527.42	1.36	0.00	1.36	
16,255.00	90.15	269.46	7,368.25	-6,741.68	-8,524.16	10,612.26	0.50	-0.37	-0.33	
16,350.00	91.12	270.48	7,367.20	-6,741.73	-8,619.15	10,697.74	1.48	1.02	1.07	
16,445.00	91.03	270.30	7,365.41	-6,741.09	-8,714.13	10,782.90	0.21	-0.09	-0.19	
16,540.00	90.46	271.14	7,364.18	-6,739.89	-8,809.11	10,867.84	1.07	-0.60	0.88	
16,635.00	89.66	271.05	7,364.08	-6,738.08	-8,904.09	10,952.49	0.85	-0.84	-0.09	
16,729.00	91.43	270.92	7,363.19	-6,736.46	-8,998.07	11,036.33	1.89	1.88	-0.14	
16,824.00	91.43	270.87	7,360.82	-6,734.98	-9,093.03	11,121.12	0.05	0.00	-0.05	

Civitas Resources

Survey Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-03
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Well:	MAVERICK 2W-20-03	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
16,918.00	90.94	270.79	7,358.87	-6,733.62	-9,187.00	11,205.06	0.53	-0.52	-0.09
17,013.00	90.85	271.62	7,357.39	-6,731.62	-9,281.97	11,289.63	0.88	-0.09	0.87
17,107.00	90.28	271.76	7,356.46	-6,728.85	-9,375.92	11,372.94	0.62	-0.61	0.15
17,202.00	89.70	272.02	7,356.48	-6,725.71	-9,470.87	11,456.99	0.67	-0.61	0.27
17,297.00	90.46	267.70	7,356.34	-6,725.95	-9,565.85	11,542.54	4.62	0.80	-4.55
17,391.00	89.84	268.45	7,356.10	-6,729.10	-9,659.79	11,628.44	1.04	-0.66	0.80
17,486.00	88.86	268.58	7,357.18	-6,731.57	-9,754.75	11,714.94	1.04	-1.03	0.14
17,580.00	88.25	268.54	7,359.55	-6,733.93	-9,848.69	11,800.49	0.65	-0.65	-0.04
17,675.00	90.72	269.02	7,360.40	-6,735.95	-9,943.66	11,886.81	2.65	2.60	0.51
17,769.00	90.41	268.45	7,359.47	-6,738.02	-10,037.63	11,972.26	0.69	-0.33	-0.61
17,864.00	89.88	268.10	7,359.23	-6,740.88	-10,132.59	12,058.93	0.67	-0.56	-0.37
17,959.00	92.36	269.99	7,357.38	-6,742.47	-10,227.54	12,145.05	3.28	2.61	1.99
18,053.00	92.27	269.82	7,353.58	-6,742.62	-10,321.47	12,229.62	0.20	-0.10	-0.18
18,148.00	91.78	269.46	7,350.22	-6,743.22	-10,416.41	12,315.29	0.64	-0.52	-0.38
18,242.00	91.43	268.98	7,347.59	-6,744.50	-10,510.36	12,400.37	0.63	-0.37	-0.51
18,337.00	90.50	267.97	7,345.99	-6,747.03	-10,605.31	12,486.90	1.45	-0.98	-1.06
18,430.00	89.84	267.75	7,345.71	-6,750.50	-10,698.24	12,572.02	0.75	-0.71	-0.24
18,524.00	91.12	270.39	7,344.93	-6,752.03	-10,792.22	12,657.23	3.12	1.36	2.81
18,619.00	91.38	270.57	7,342.85	-6,751.23	-10,887.19	12,742.33	0.33	0.27	0.19
18,713.00	90.72	271.05	7,341.13	-6,749.90	-10,981.17	12,826.29	0.87	-0.70	0.51
18,807.00	89.22	272.28	7,341.18	-6,747.17	-11,075.12	12,909.63	2.06	-1.60	1.31
18,901.00	87.80	272.02	7,343.62	-6,743.64	-11,169.02	12,992.57	1.54	-1.51	-0.28
18,994.00	86.61	273.17	7,348.16	-6,739.44	-11,261.81	13,074.21	1.78	-1.28	1.24
19,088.00	84.98	272.46	7,355.05	-6,734.83	-11,355.44	13,156.43	1.89	-1.73	-0.76
19,182.00	86.57	270.70	7,361.98	-6,732.25	-11,449.15	13,239.60	2.52	1.69	-1.87
19,276.00	89.48	269.51	7,365.22	-6,732.08	-11,543.08	13,324.04	3.34	3.10	-1.27
19,369.00	93.77	269.51	7,362.58	-6,732.88	-11,636.02	13,407.99	4.61	4.61	0.00
19,463.00	93.37	268.49	7,356.73	-6,734.51	-11,729.82	13,493.10	1.16	-0.43	-1.09
19,557.00	92.71	269.20	7,351.74	-6,736.40	-11,823.66	13,578.35	1.03	-0.70	0.76
19,651.00	92.00	269.16	7,347.88	-6,737.75	-11,917.57	13,663.43	0.76	-0.76	-0.04
19,745.00	91.34	268.58	7,345.14	-6,739.60	-12,011.52	13,748.75	0.93	-0.70	-0.62
19,839.00	90.85	267.57	7,343.34	-6,742.76	-12,105.44	13,834.63	1.19	-0.52	-1.07
19,933.00	90.06	266.25	7,342.60	-6,747.83	-12,199.30	13,921.28	1.64	-0.84	-1.40
20,027.00	91.30	269.11	7,341.48	-6,751.63	-12,293.21	14,007.42	3.32	1.32	3.04
20,120.00	90.50	269.11	7,340.02	-6,753.07	-12,386.18	14,091.70	0.86	-0.86	0.00
20,215.00	90.63	271.45	7,339.08	-6,752.61	-12,481.17	14,176.95	2.47	0.14	2.46
20,309.00	92.40	271.27	7,336.60	-6,750.38	-12,575.11	14,260.49	1.89	1.88	-0.19
20,403.00	92.49	271.93	7,332.59	-6,747.76	-12,668.98	14,343.80	0.71	0.10	0.70
20,497.00	92.14	271.62	7,328.79	-6,744.85	-12,762.86	14,426.99	0.50	-0.37	-0.33
20,590.00	92.05	271.27	7,325.39	-6,742.51	-12,855.77	14,509.55	0.39	-0.10	-0.38
20,685.00	91.25	271.09	7,322.66	-6,740.55	-12,950.71	14,594.11	0.86	-0.84	-0.19
20,779.00	92.22	270.70	7,319.81	-6,739.08	-13,044.65	14,677.99	1.11	1.03	-0.41
20,873.00	91.47	269.33	7,316.78	-6,739.06	-13,138.60	14,762.50	1.66	-0.80	-1.46

Civitas Resources

Survey Report

Company: EXTRACTION OIL & GAS	Local Co-ordinate Reference: Well MAVERICK 2W-20-03
Project: WELD COUNTY	TVD Reference: KBE 25' @ 4922.00usft
Site: Sec 36-T7N-R67W	MD Reference: KBE 25' @ 4922.00usft
Well: MAVERICK 2W-20-03	North Reference: True
Wellbore: OWB	Survey Calculation Method: Minimum Curvature
Design: FINAL SURVEY	Database: EDM

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
20,968.00	92.18	269.99	7,313.76	-6,739.62	-13,233.55	14,848.16	1.02	0.75	0.69
21,063.00	92.75	269.86	7,309.67	-6,739.75	-13,328.46	14,933.60	0.62	0.60	-0.14
21,157.00	90.46	268.32	7,307.04	-6,741.24	-13,422.41	15,018.77	2.94	-2.44	-1.64
21,252.00	89.44	266.16	7,307.12	-6,745.81	-13,517.29	15,106.13	2.51	-1.07	-2.27
21,346.00	89.22	266.51	7,308.22	-6,751.82	-13,611.09	15,193.14	0.44	-0.23	0.37
21,440.00	88.42	265.59	7,310.16	-6,758.29	-13,704.84	15,280.31	1.30	-0.85	-0.98
21,535.00	88.38	263.96	7,312.81	-6,766.94	-13,799.41	15,369.17	1.72	-0.04	-1.72
21,630.00	87.41	263.87	7,316.30	-6,777.01	-13,893.81	15,458.49	1.03	-1.02	-0.09
LAST SURVEY - 21630' MD, 7316' TVD									
21,721.00	87.41	263.87	7,320.41	-6,786.71	-13,984.20	15,544.04	0.00	0.00	0.00
PTB - 21721' MD, 7320' TVD, 833' FSL, 298' FEL SEC 4									

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL-MAVERICK 2W-2 - hit/miss target - Shape	0.00	0.00	7,280.00	-6,744.81	-13,986.33	1,429,728.22	3,169,633.88	40.511403°N	104.889917°W
- actual wellpath misses target center by 58.10usft at 21716.82usft MD (7320.22 TVD, -6786.27 N, -13980.04 E)									
- Point									
LP-MAVERICK 2W-20-0 - hit/miss target - Shape	0.00	0.00	7,310.00	-6,762.40	-3,320.51	1,429,790.07	3,180,299.53	40.511365°N	104.851558°W
- actual wellpath misses target center by 47.03usft at 11037.16usft MD (7309.72 TVD, -6808.65 N, -3311.98 E)									
- Point									

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,640.00	1,582.41	-322.74	-144.03	SURFACE CSG - 1640' MD, 1582' TVD
10,290.00	7,044.11	-6,450.14	-2,756.32	KOP - 10290' MD, 7044' TVD
10,862.00	7,301.27	-6,760.22	-3,145.17	HZ LANDING PNT - 10862' MD, 7301' TVD
11,045.72	7,309.68	-6,809.36	-3,320.51	~100' X-OVER PNT - 11045.72' MD, 7310' TVD, 828' FSL, 100' FEL SEC 2
21,630.00	7,316.30	-6,777.01	-13,893.81	LAST SURVEY - 21630' MD, 7316' TVD
21,721.00	7,320.41	-6,786.71	-13,984.20	PTB - 21721' MD, 7320' TVD, 833' FSL, 298' FEL SEC 4

Checked By: _____ Approved By: _____ Date: _____