

EXTRACTION OIL & GAS

WELD COUNTY

Sec 36-T7N-R67W

MAVERICK 2W-20-02

OWB

Design: FINAL SURVEY

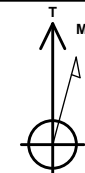
Standard Survey Report

06 February, 2025



Project: WELD COUNTY
 Site: Sec 36-17N-R67W
 Well: MAVERICK 2W-20-02
 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: 7.53°

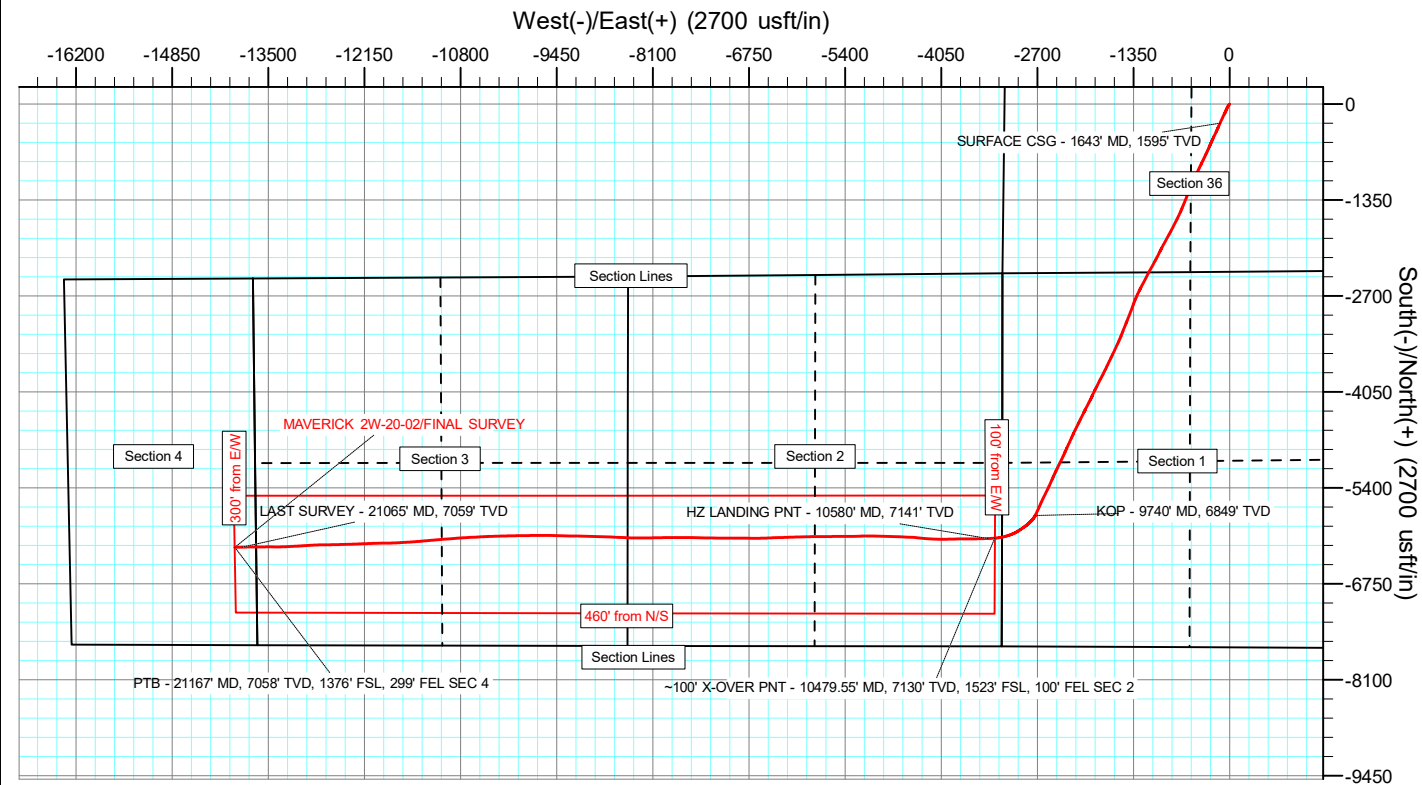
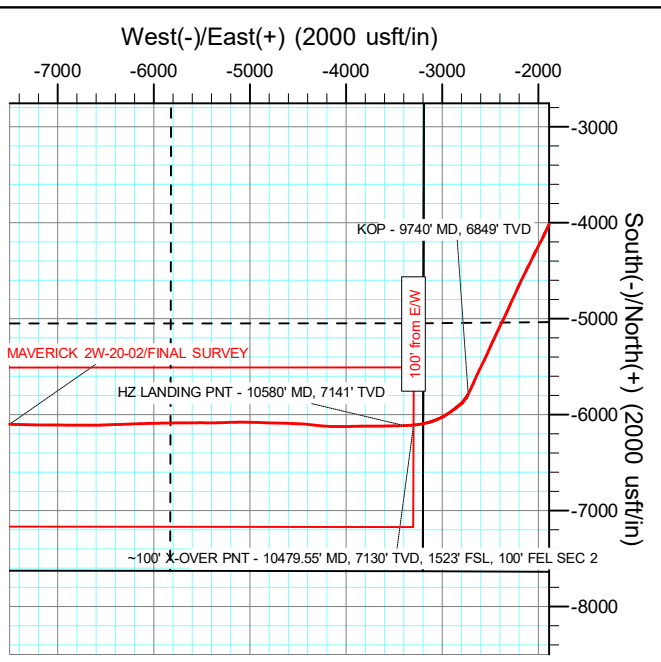
Magnetic Field
 Strength: 51630.8nT
 Dip Angle: 66.59°
 Date: 2/1/2025
 Model: IGRF2020

WELL DETAILS: MAVERICK 2W-20-02

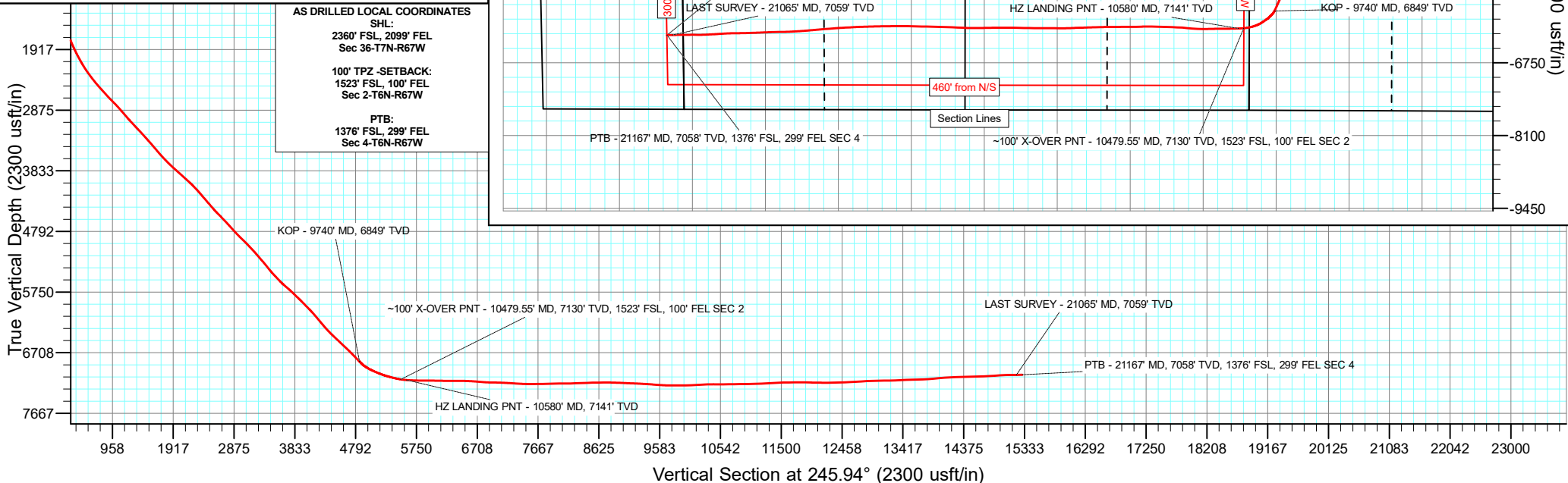
+N/-S	+E/-W	Northing	Easting	4897.00 Latitude	Longitude	Slot
0.00	0.00	1436570.29	3183548.23	40.529910°N	104.839693°W	

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
1643.00	24.57	204.33	1595.40	-271.37	-135.26	234.14	304.24	SURFACE CSG - 1643' MD, 1595' TVD
9740.00	51.31	207.29	6849.47	-5787.60	-2729.86	4852.28	6404.18	KOP - 9740' MD, 6849' TVD
10479.55	81.07	265.07	7129.84	-6107.73	-3297.62	5501.24	7079.60	~100' X-OVER PNT - 10479.55' MD, 7130' TVD, 1523' FSL, 100' FEL SEC 2
10580.00	86.16	268.65	7141.06	-6113.05	-3397.25	5594.38	7179.36	HZ LANDING PNT - 10580' MD, 7141' TVD
21065.00	90.32	268.36	7058.87	-6234.46	-13867.69	15204.59	17657.25	LAST SURVEY - 21065' MD, 7059' TVD
21167.00	90.32	268.36	7058.30	-6237.38	-13969.64	15298.88	17759.25	PTB - 21167' MD, 7058' TVD, 1376' FSL, 299' FEL SEC 4



AS DRILLED LOCAL COORDINATES
 SHL:
 2360' FSL, 2099' FEL
 Sec 36-17N-R67W
 100' TPZ -SETBACK:
 1523' FSL, 100' FEL
 Sec 2-T6N-R67W
 PTB:
 1376' FSL, 299' FEL
 Sec 4-T6N-R67W



Civitas Resources

Survey Report

Company: EXTRACTION OIL & GAS	Local Co-ordinate Reference: Well MAVERICK 2W-20-02
Project: WELD COUNTY	TVD Reference: KBE 25' @ 4922.00usft
Site: Sec 36-T7N-R67W	MD Reference: KBE 25' @ 4922.00usft
Well: MAVERICK 2W-20-02	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-20-02						
Well Position	+N/-S	0.00 usft	Northing:	1,436,570.29 usft	Latitude:	40.529910°N
	+E/-W	0.00 usft	Easting:	3,183,548.23 usft	Longitude:	104.839693°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	2/1/2025	(°) 7.53	(°) 66.59	(nT) 51,630.84608787

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	245.94	

Survey Program		Date 2/6/2025
From	To	Survey (Wellbore)
(usft)	(usft)	
		Tool Name
		Description
212.00	1,522.00	SURFACE SURVEY (OWB)
1,668.00	21,167.00	FINAL SURVEY (OWB)
		MWD OWSG
		MWD OWSG
		OWSG MWD - Standard
		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	2.21	220.95	211.95	-3.09	-2.68	3.71	1.04	1.04	0.00	
302.00	2.12	218.70	301.88	-5.70	-4.86	6.76	0.14	-0.10	-2.50	
391.00	2.03	229.45	390.83	-8.01	-7.08	9.73	0.45	-0.10	12.08	
481.00	2.12	227.78	480.77	-10.16	-9.53	12.84	0.12	0.10	-1.86	
575.00	3.23	217.86	574.66	-13.42	-12.44	16.83	1.28	1.18	-10.55	
670.00	5.52	206.01	669.38	-19.64	-16.09	22.70	2.58	2.41	-12.47	
764.00	8.22	211.25	762.70	-29.45	-21.56	31.69	2.95	2.87	5.57	
858.00	9.46	210.28	855.58	-41.87	-28.94	43.49	1.33	1.32	-1.03	
953.00	11.53	203.54	948.99	-57.32	-36.67	56.85	2.53	2.18	-7.09	

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-20-02	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	13.96	203.67	1,041.64	-76.52	-45.06	72.34	2.56	2.56	0.14
1,143.00	16.92	205.70	1,133.20	-99.48	-55.66	91.38	3.17	3.12	2.14
1,238.00	19.22	204.91	1,223.51	-126.12	-68.24	113.73	2.43	2.42	-0.83
1,332.00	22.01	205.13	1,311.48	-156.10	-82.24	138.74	2.97	2.97	0.23
1,427.00	24.04	205.17	1,398.91	-189.74	-98.03	166.87	2.14	2.14	0.04
1,522.00	24.75	204.33	1,485.43	-225.37	-114.46	196.40	0.83	0.75	-0.88
1,643.00	24.57	204.33	1,595.40	-271.37	-135.26	234.14	0.15	-0.15	0.00
SURFACE CSG - 1643' MD, 1595' TVD									
1,668.00	24.53	204.33	1,618.14	-280.83	-139.54	241.91	0.15	-0.15	0.00
1,761.00	26.16	204.38	1,702.18	-317.10	-155.95	271.68	1.75	1.75	0.05
1,856.00	28.68	204.73	1,786.50	-356.89	-174.14	304.51	2.66	2.65	0.37
1,951.00	30.49	205.70	1,869.11	-399.31	-194.13	340.06	1.97	1.91	1.02
2,046.00	32.79	205.65	1,949.99	-444.22	-215.72	378.08	2.42	2.42	-0.05
2,139.00	34.95	204.07	2,027.20	-491.25	-237.48	417.14	2.51	2.32	-1.70
2,233.00	37.03	203.76	2,103.26	-541.75	-259.87	458.17	2.22	2.21	-0.33
2,327.00	40.12	203.32	2,176.74	-595.48	-283.27	501.44	3.30	3.29	-0.47
2,423.00	42.11	204.42	2,249.06	-653.20	-308.83	548.30	2.21	2.07	1.15
2,517.00	44.15	205.70	2,317.66	-711.40	-336.06	596.90	2.36	2.17	1.36
2,612.00	45.74	204.69	2,384.90	-772.13	-364.62	647.73	1.83	1.67	-1.06
2,706.00	47.19	206.93	2,449.65	-833.46	-394.30	699.84	2.32	1.54	2.38
2,801.00	49.23	205.21	2,512.95	-897.08	-425.40	754.18	2.54	2.15	-1.81
2,895.00	50.91	203.80	2,573.29	-962.67	-455.29	808.21	2.13	1.79	-1.50
2,990.00	50.24	203.94	2,633.62	-1,029.78	-484.98	862.69	0.71	-0.71	0.15
3,110.00	53.16	203.94	2,707.98	-1,115.84	-523.19	932.67	2.43	2.43	0.00
3,204.00	52.85	203.28	2,764.55	-1,184.63	-553.26	988.17	0.65	-0.33	-0.70
3,299.00	51.75	202.48	2,822.64	-1,253.88	-582.49	1,043.09	1.34	-1.16	-0.84
3,393.00	49.85	201.91	2,882.05	-1,321.32	-610.01	1,095.72	2.08	-2.02	-0.61
3,488.00	50.64	202.13	2,942.80	-1,389.03	-637.40	1,148.32	0.85	0.83	0.23
3,583.00	49.54	201.82	3,003.75	-1,456.60	-664.66	1,200.77	1.18	-1.16	-0.33
3,678.00	51.13	204.95	3,064.40	-1,523.70	-693.70	1,254.64	3.04	1.67	3.29
3,772.00	50.82	205.08	3,123.59	-1,589.87	-724.58	1,309.82	0.35	-0.33	0.14
3,867.00	50.95	207.20	3,183.52	-1,656.04	-757.05	1,366.45	1.74	0.14	2.23
3,962.00	49.09	207.20	3,244.56	-1,720.78	-790.33	1,423.22	1.96	-1.96	0.00
4,056.00	48.96	208.21	3,306.20	-1,783.61	-823.32	1,478.97	0.82	-0.14	1.07
4,151.00	47.19	209.09	3,369.67	-1,845.64	-857.20	1,535.19	1.99	-1.86	0.93
4,246.00	47.46	209.14	3,434.07	-1,906.66	-891.19	1,591.10	0.29	0.28	0.05
4,340.00	46.89	207.73	3,497.97	-1,967.28	-924.02	1,645.79	1.26	-0.61	-1.50
4,435.00	47.86	207.33	3,562.30	-2,029.26	-956.32	1,700.57	1.07	1.02	-0.42
4,531.00	50.64	206.54	3,624.96	-2,094.10	-989.25	1,757.07	2.96	2.90	-0.82
4,625.00	51.17	207.68	3,684.24	-2,159.03	-1,022.50	1,813.90	1.10	0.56	1.21
4,719.00	52.98	208.43	3,742.01	-2,224.46	-1,057.38	1,872.42	2.03	1.93	0.80
4,814.00	54.18	208.52	3,798.41	-2,291.66	-1,093.82	1,933.10	1.27	1.26	0.09
4,908.00	54.66	208.17	3,853.10	-2,358.94	-1,130.12	1,993.67	0.59	0.51	-0.37

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-20-02	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)	
5,004.00	54.40	207.64	3,908.81	-2,428.04	-1,166.71	2,055.25	0.52	-0.27	-0.55	
5,098.00	54.71	207.64	3,963.32	-2,495.88	-1,202.24	2,115.35	0.33	0.33	0.00	
5,193.00	54.18	207.20	4,018.56	-2,564.48	-1,237.83	2,175.82	0.67	-0.56	-0.46	
5,287.00	51.17	206.18	4,075.55	-2,631.25	-1,271.41	2,233.71	3.32	-3.20	-1.09	
5,382.00	51.57	204.29	4,134.86	-2,698.38	-1,303.04	2,289.96	1.61	0.42	-1.99	
5,476.00	49.27	202.26	4,194.76	-2,764.91	-1,331.69	2,343.24	2.96	-2.45	-2.16	
5,570.00	50.95	200.28	4,255.04	-2,832.12	-1,357.83	2,394.52	2.41	1.79	-2.11	
5,664.00	50.82	200.06	4,314.34	-2,900.58	-1,382.98	2,445.39	0.23	-0.14	-0.23	
5,759.00	50.42	201.34	4,374.62	-2,969.27	-1,408.93	2,497.09	1.12	-0.42	1.35	
5,853.00	50.20	202.00	4,434.65	-3,036.49	-1,435.64	2,548.89	0.59	-0.23	0.70	
5,948.00	53.60	201.69	4,493.26	-3,105.87	-1,463.45	2,602.57	3.59	3.58	-0.33	
6,043.00	54.44	201.64	4,549.07	-3,177.32	-1,491.83	2,657.61	0.89	0.88	-0.05	
6,137.00	52.14	200.98	4,605.26	-3,247.51	-1,519.22	2,711.24	2.51	-2.45	-0.70	
6,232.00	52.10	204.33	4,663.60	-3,316.69	-1,548.10	2,765.81	2.78	-0.04	3.53	
6,325.00	50.38	204.99	4,721.82	-3,382.60	-1,578.35	2,820.30	1.93	-1.85	0.71	
6,420.00	50.38	204.73	4,782.40	-3,448.99	-1,609.11	2,875.47	0.21	0.00	-0.27	
6,515.00	51.13	205.04	4,842.50	-3,515.73	-1,640.07	2,930.95	0.83	0.79	0.33	
6,609.00	53.51	206.05	4,899.96	-3,582.85	-1,672.16	2,987.61	2.67	2.53	1.07	
6,703.00	52.94	205.79	4,956.23	-3,650.57	-1,705.07	3,045.27	0.65	-0.61	-0.28	
6,798.00	51.13	205.17	5,014.67	-3,718.17	-1,737.30	3,102.25	1.97	-1.91	-0.65	
6,893.00	50.29	207.11	5,074.84	-3,784.17	-1,769.68	3,158.73	1.81	-0.88	2.04	
6,986.00	48.43	207.86	5,135.40	-3,846.78	-1,802.24	3,213.99	2.09	-2.00	0.81	
7,081.00	47.06	206.67	5,199.29	-3,909.27	-1,834.46	3,268.89	1.71	-1.44	-1.25	
7,176.00	48.87	206.67	5,262.89	-3,972.32	-1,866.13	3,323.51	1.91	1.91	0.00	
7,270.00	46.53	205.92	5,326.15	-4,034.65	-1,896.93	3,377.05	2.56	-2.49	-0.80	
7,365.00	46.53	204.51	5,391.51	-4,097.02	-1,926.30	3,429.30	1.08	0.00	-1.48	
7,460.00	49.58	206.40	5,455.01	-4,160.79	-1,956.69	3,483.04	3.53	3.21	1.99	
7,555.00	50.91	207.86	5,515.76	-4,225.78	-1,990.00	3,539.96	1.83	1.40	1.54	
7,649.00	50.86	206.27	5,575.07	-4,290.73	-2,023.18	3,596.73	1.31	-0.05	-1.69	
7,744.00	54.88	206.49	5,632.40	-4,358.56	-2,056.83	3,655.12	4.24	4.23	0.23	
7,838.00	56.96	206.45	5,685.07	-4,428.25	-2,091.53	3,715.22	2.21	2.21	-0.04	
7,932.00	54.04	206.10	5,738.30	-4,497.71	-2,125.83	3,774.85	3.12	-3.11	-0.37	
8,027.00	53.16	206.36	5,794.68	-4,566.30	-2,159.62	3,833.67	0.95	-0.93	0.27	
8,121.00	54.66	205.26	5,850.05	-4,634.68	-2,192.69	3,891.74	1.85	1.60	-1.17	
8,215.00	51.97	204.11	5,906.20	-4,703.16	-2,224.18	3,948.41	3.03	-2.86	-1.22	
8,309.00	52.28	204.99	5,963.91	-4,770.65	-2,255.00	4,004.08	0.81	0.33	0.94	
8,404.00	52.76	204.42	6,021.72	-4,839.14	-2,286.51	4,060.77	0.69	0.51	-0.60	
8,499.00	49.71	203.54	6,081.20	-4,906.81	-2,316.62	4,115.86	3.29	-3.21	-0.93	
8,593.00	48.12	205.61	6,142.97	-4,971.24	-2,346.07	4,169.01	2.37	-1.69	2.20	
8,688.00	47.28	206.98	6,206.91	-5,034.23	-2,377.19	4,223.11	1.39	-0.88	1.44	
8,783.00	47.95	205.04	6,270.95	-5,097.29	-2,407.95	4,276.91	1.67	0.71	-2.04	
8,877.00	49.85	205.52	6,332.74	-5,161.34	-2,438.21	4,330.65	2.06	2.02	0.51	
8,972.00	52.45	204.99	6,392.33	-5,228.25	-2,469.76	4,386.74	2.77	2.74	-0.56	

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-20-02	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDM

Survey										
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9,066.00	54.97	203.58	6,447.96	-5,297.31	-2,500.91	4,443.33	2.94	2.68	-1.50	
9,161.00	54.93	204.38	6,502.52	-5,368.36	-2,532.51	4,501.17	0.69	-0.04	0.84	
9,255.00	53.51	206.40	6,557.48	-5,437.25	-2,565.20	4,559.10	2.31	-1.51	2.15	
9,351.00	54.22	206.10	6,614.09	-5,506.79	-2,599.49	4,618.76	0.78	0.74	-0.31	
9,446.00	53.73	205.26	6,669.97	-5,576.03	-2,632.78	4,677.39	0.88	-0.52	-0.88	
9,541.00	53.12	203.36	6,726.58	-5,645.55	-2,664.19	4,734.42	1.73	-0.64	-2.00	
9,635.00	51.70	204.86	6,783.92	-5,713.54	-2,694.61	4,789.91	1.97	-1.51	1.60	
9,729.00	51.08	205.79	6,842.58	-5,779.93	-2,726.03	4,845.66	1.02	-0.66	0.99	
9,740.00	51.31	207.29	6,849.47	-5,787.60	-2,729.86	4,852.29	10.80	2.07	13.61	
KOP - 9740' MD, 6849' TVD										
9,824.00	53.65	218.35	6,900.73	-5,843.38	-2,765.95	4,907.98	10.80	2.79	13.17	
9,918.00	60.76	229.54	6,951.72	-5,899.88	-2,820.83	4,981.13	12.53	7.56	11.90	
10,012.00	65.89	233.81	6,993.93	-5,951.88	-2,886.73	5,062.50	6.80	5.46	4.54	
10,107.00	68.14	237.60	7,031.03	-6,001.12	-2,958.97	5,148.55	4.37	2.37	3.99	
10,202.00	71.45	245.93	7,063.89	-6,043.18	-3,037.45	5,237.36	8.93	3.48	8.77	
10,296.00	75.43	253.03	7,090.71	-6,074.68	-3,121.78	5,327.20	8.39	4.23	7.55	
10,391.00	77.24	259.81	7,113.17	-6,096.32	-3,211.45	5,417.91	7.19	1.91	7.14	
10,479.55	81.07	265.07	7,129.84	-6,107.73	-3,297.62	5,501.24	7.26	4.32	5.94	
~100' X-OVER PNT - 10479.55' MD, 7130' TVD, 1523' FSL, 100' FEL SEC 2										
10,486.00	81.35	265.45	7,130.83	-6,108.26	-3,303.97	5,507.25	7.26	4.37	5.87	
10,580.00	86.16	268.65	7,141.06	-6,113.05	-3,397.25	5,594.38	6.13	5.11	3.41	
HZ LANDING PNT - 10580' MD, 7141' TVD										
10,582.00	86.26	268.72	7,141.19	-6,113.10	-3,399.25	5,596.22	6.13	5.12	3.38	
10,677.00	88.42	268.58	7,145.60	-6,115.33	-3,494.11	5,683.76	2.28	2.27	-0.15	
10,770.00	87.94	268.27	7,148.55	-6,117.89	-3,587.03	5,769.64	0.61	-0.52	-0.33	
10,864.00	90.10	269.90	7,150.16	-6,119.39	-3,680.99	5,856.06	2.88	2.30	1.73	
10,959.00	90.28	270.30	7,149.84	-6,119.22	-3,775.99	5,942.73	0.46	0.19	0.42	
11,053.00	89.13	268.41	7,150.33	-6,120.28	-3,869.98	6,028.99	2.35	-1.22	-2.01	
11,148.00	89.00	269.07	7,151.88	-6,122.37	-3,964.94	6,116.55	0.71	-0.14	0.69	
11,243.00	89.31	269.77	7,153.28	-6,123.33	-4,059.93	6,203.67	0.81	0.33	0.74	
11,337.00	89.57	271.62	7,154.20	-6,122.19	-4,153.91	6,289.03	1.99	0.28	1.97	
11,432.00	89.79	274.88	7,154.73	-6,116.81	-4,248.75	6,373.42	3.44	0.23	3.43	
11,526.00	90.59	277.22	7,154.42	-6,106.90	-4,342.21	6,454.73	2.63	0.85	2.49	
11,620.00	88.16	273.65	7,155.44	-6,098.00	-4,435.76	6,536.53	4.59	-2.59	-3.80	
11,715.00	86.92	272.24	7,159.52	-6,093.12	-4,530.55	6,621.09	1.98	-1.31	-1.48	
11,809.00	85.77	272.73	7,165.51	-6,089.05	-4,624.27	6,705.00	1.33	-1.22	0.52	
11,904.00	85.82	270.79	7,172.48	-6,086.14	-4,718.96	6,790.28	2.04	0.05	-2.04	
11,998.00	87.89	271.76	7,177.64	-6,084.06	-4,812.79	6,875.11	2.43	2.20	1.03	
12,093.00	89.79	271.54	7,179.56	-6,081.32	-4,907.73	6,960.68	2.01	2.00	-0.23	
12,188.00	88.16	271.80	7,181.26	-6,078.55	-5,002.67	7,046.25	1.74	-1.72	0.27	
12,283.00	87.72	269.38	7,184.67	-6,077.57	-5,097.59	7,132.53	2.59	-0.46	-2.55	
12,378.00	86.48	268.14	7,189.48	-6,079.63	-5,192.45	7,219.97	1.84	-1.31	-1.31	
12,472.00	86.96	268.14	7,194.86	-6,082.67	-5,286.24	7,306.86	0.51	0.51	0.00	
12,566.00	87.05	269.90	7,199.77	-6,084.28	-5,380.10	7,393.22	1.87	0.10	1.87	

Civitas Resources

Survey Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Well:	MAVERICK 2W-20-02	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)	
12,662.00	88.78	270.39	7,203.26	-6,084.04	-5,476.03	7,480.72	1.87	1.80	0.51	
12,756.00	90.46	269.29	7,203.89	-6,084.30	-5,570.02	7,566.65	2.14	1.79	-1.17	
12,851.00	90.72	269.55	7,202.91	-6,085.26	-5,665.01	7,653.78	0.39	0.27	0.27	
12,946.00	91.25	269.77	7,201.28	-6,085.82	-5,760.00	7,740.74	0.60	0.56	0.23	
13,041.00	91.21	269.16	7,199.24	-6,086.71	-5,854.97	7,827.82	0.64	-0.04	-0.64	
13,135.00	90.85	268.58	7,197.55	-6,088.56	-5,948.94	7,914.38	0.73	-0.38	-0.62	
13,230.00	90.68	268.67	7,196.28	-6,090.84	-6,043.90	8,002.02	0.20	-0.18	0.09	
13,324.00	90.06	268.19	7,195.67	-6,093.42	-6,137.86	8,088.87	0.83	-0.66	-0.51	
13,418.00	91.60	267.79	7,194.31	-6,096.71	-6,231.79	8,175.98	1.69	1.64	-0.43	
13,513.00	91.91	268.14	7,191.40	-6,100.09	-6,326.69	8,264.01	0.49	0.33	0.37	
13,608.00	91.96	268.05	7,188.19	-6,103.24	-6,421.58	8,351.94	0.11	0.05	-0.09	
13,702.00	91.96	267.53	7,184.98	-6,106.87	-6,515.45	8,439.14	0.55	0.00	-0.55	
13,797.00	91.07	269.99	7,182.46	-6,108.92	-6,610.39	8,526.66	2.75	-0.94	2.59	
13,892.00	91.12	270.13	7,180.65	-6,108.82	-6,705.37	8,613.35	0.16	0.05	0.15	
13,987.00	90.32	270.17	7,179.46	-6,108.57	-6,800.36	8,699.99	0.84	-0.84	0.04	
14,081.00	89.26	270.39	7,179.80	-6,108.11	-6,894.36	8,785.63	1.15	-1.13	0.23	
14,176.00	88.38	270.04	7,181.76	-6,107.76	-6,989.34	8,872.21	1.00	-0.93	-0.37	
14,271.00	87.98	270.39	7,184.77	-6,107.40	-7,084.29	8,958.77	0.56	-0.42	0.37	
14,365.00	87.41	270.61	7,188.55	-6,106.58	-7,178.21	9,044.20	0.65	-0.61	0.23	
14,459.00	88.11	270.52	7,192.23	-6,105.65	-7,272.13	9,129.58	0.75	0.74	-0.10	
14,554.00	87.85	271.58	7,195.58	-6,103.91	-7,367.06	9,215.55	1.15	-0.27	1.12	
14,649.00	86.92	271.98	7,199.91	-6,100.97	-7,461.91	9,300.96	1.07	-0.98	0.42	
14,743.00	87.23	270.30	7,204.71	-6,099.10	-7,555.77	9,385.90	1.82	0.33	-1.79	
14,837.00	85.90	270.39	7,210.34	-6,098.53	-7,649.59	9,471.34	1.42	-1.41	0.10	
14,932.00	85.90	270.13	7,217.13	-6,098.10	-7,744.35	9,557.69	0.27	0.00	-0.27	
15,027.00	87.27	269.38	7,222.79	-6,098.51	-7,839.18	9,644.44	1.64	1.44	-0.79	
15,122.00	89.53	268.58	7,225.44	-6,100.20	-7,934.12	9,731.83	2.52	2.38	-0.84	
15,217.00	89.53	269.02	7,226.22	-6,102.19	-8,029.09	9,819.36	0.46	0.00	0.46	
15,311.00	90.94	269.24	7,225.84	-6,103.62	-8,123.08	9,905.76	1.52	1.50	0.23	
15,406.00	90.23	269.16	7,224.87	-6,104.94	-8,218.06	9,993.04	0.75	-0.75	-0.08	
15,501.00	92.14	270.65	7,222.90	-6,105.10	-8,313.04	10,079.82	2.55	2.01	1.57	
15,596.00	93.24	271.36	7,218.44	-6,103.44	-8,407.92	10,165.78	1.38	1.16	0.75	
15,690.00	93.90	272.37	7,212.59	-6,100.39	-8,501.68	10,250.15	1.28	0.70	1.07	
15,785.00	90.85	272.37	7,208.65	-6,096.46	-8,596.51	10,335.14	3.21	-3.21	0.00	
15,880.00	90.06	272.42	7,207.90	-6,092.49	-8,691.42	10,420.19	0.83	-0.83	0.05	
15,974.00	89.53	272.99	7,208.24	-6,088.05	-8,785.32	10,504.11	0.83	-0.56	0.61	
16,069.00	90.50	271.01	7,208.21	-6,084.74	-8,880.25	10,589.45	2.32	1.02	-2.08	
16,163.00	90.54	271.40	7,207.36	-6,082.76	-8,974.23	10,674.45	0.42	0.04	0.41	
16,257.00	90.15	271.54	7,206.79	-6,080.35	-9,068.19	10,759.27	0.44	-0.41	0.15	
16,352.00	91.34	270.65	7,205.56	-6,078.54	-9,163.17	10,845.25	1.56	1.25	-0.94	
16,447.00	91.16	271.45	7,203.49	-6,076.80	-9,258.13	10,931.26	0.86	-0.19	0.84	
16,542.00	91.16	271.54	7,201.56	-6,074.32	-9,353.07	11,016.94	0.09	0.00	0.09	
16,637.00	91.38	270.70	7,199.46	-6,072.46	-9,448.03	11,102.89	0.91	0.23	-0.88	
16,731.00	91.87	271.45	7,196.79	-6,070.70	-9,541.98	11,187.96	0.95	0.52	0.80	

Civitas Resources

Survey Report

Company:	EXTRACTION OIL & GAS	Local Co-ordinate Reference:	Well MAVERICK 2W-20-02
Project:	WELD COUNTY	TVD Reference:	KBE 25' @ 4922.00usft
Site:	Sec 36-T7N-R67W	MD Reference:	KBE 25' @ 4922.00usft
Well:	MAVERICK 2W-20-02	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)	
16,826.00	92.27	269.33	7,193.36	-6,070.05	-9,636.91	11,274.38	2.27	0.42	-2.23	
16,921.00	92.75	269.86	7,189.20	-6,070.72	-9,731.81	11,361.31	0.75	0.51	0.56	
17,015.00	93.42	269.82	7,184.14	-6,070.98	-9,825.68	11,447.12	0.71	0.71	-0.04	
17,109.00	91.52	269.38	7,180.09	-6,071.64	-9,919.58	11,533.14	2.07	-2.02	-0.47	
17,204.00	90.77	268.49	7,178.19	-6,073.41	-10,014.54	11,620.57	1.22	-0.79	-0.94	
17,299.00	91.43	268.76	7,176.37	-6,075.69	-10,109.50	11,708.20	0.75	0.69	0.28	
17,393.00	89.09	268.58	7,175.94	-6,077.87	-10,203.47	11,794.90	2.50	-2.49	-0.19	
17,488.00	88.64	268.01	7,177.82	-6,080.69	-10,298.41	11,882.74	0.76	-0.47	-0.60	
17,582.00	88.64	268.41	7,180.05	-6,083.63	-10,392.33	11,969.70	0.43	0.00	0.43	
17,677.00	89.62	266.56	7,181.50	-6,087.80	-10,487.22	12,058.05	2.20	1.03	-1.95	
17,771.00	88.69	267.00	7,182.88	-6,093.08	-10,581.07	12,145.89	1.09	-0.99	0.47	
17,866.00	90.68	267.08	7,183.40	-6,097.98	-10,675.93	12,234.51	2.10	2.09	0.08	
17,961.00	90.72	266.64	7,182.24	-6,103.18	-10,770.78	12,323.24	0.47	0.04	-0.46	
18,056.00	92.09	265.54	7,179.91	-6,109.66	-10,865.53	12,412.40	1.85	1.44	-1.16	
18,150.00	92.14	265.28	7,176.44	-6,117.18	-10,959.16	12,500.96	0.28	0.05	-0.28	
18,244.00	92.40	265.23	7,172.72	-6,124.95	-11,052.77	12,589.60	0.28	0.28	-0.05	
18,339.00	92.93	265.41	7,168.30	-6,132.69	-11,147.35	12,679.12	0.59	0.56	0.19	
18,432.00	93.37	265.01	7,163.19	-6,140.44	-11,239.88	12,766.78	0.64	0.47	-0.43	
18,526.00	93.99	264.75	7,157.16	-6,148.81	-11,333.31	12,855.50	0.72	0.66	-0.28	
18,621.00	90.99	265.50	7,153.03	-6,156.88	-11,427.87	12,945.13	3.25	-3.16	0.79	
18,715.00	90.90	266.38	7,151.48	-6,163.53	-11,521.62	13,033.45	0.94	-0.10	0.94	
18,809.00	90.72	266.69	7,150.15	-6,169.21	-11,615.44	13,121.43	0.38	-0.19	0.33	
18,903.00	89.88	267.22	7,149.66	-6,174.21	-11,709.30	13,209.18	1.06	-0.89	0.56	
18,996.00	93.28	269.55	7,147.10	-6,176.83	-11,802.21	13,295.08	4.43	3.66	2.51	
19,090.00	92.49	268.76	7,142.37	-6,178.21	-11,896.08	13,381.36	1.19	-0.84	-0.84	
19,184.00	92.22	268.80	7,138.50	-6,180.21	-11,989.98	13,467.92	0.29	-0.29	0.04	
19,278.00	91.21	267.53	7,135.69	-6,183.22	-12,083.89	13,554.89	1.73	-1.07	-1.35	
19,371.00	91.65	267.92	7,133.37	-6,186.91	-12,176.78	13,641.22	0.63	0.47	0.42	
19,465.00	91.56	267.48	7,130.74	-6,190.68	-12,270.67	13,728.49	0.48	-0.10	-0.47	
19,559.00	93.95	268.36	7,126.22	-6,194.09	-12,364.49	13,815.55	2.71	2.54	0.94	
19,653.00	95.05	268.41	7,118.84	-6,196.73	-12,458.16	13,902.16	1.17	1.17	0.05	
19,747.00	96.02	268.63	7,109.78	-6,199.15	-12,551.69	13,988.55	1.06	1.03	0.23	
19,841.00	92.84	268.98	7,102.52	-6,201.10	-12,645.38	14,074.89	3.40	-3.38	0.37	
19,935.00	93.20	269.68	7,097.57	-6,202.20	-12,739.24	14,161.04	0.84	0.38	0.74	
20,029.00	91.83	267.17	7,093.44	-6,204.78	-12,833.11	14,247.80	3.04	-1.46	-2.67	
20,122.00	91.52	266.95	7,090.72	-6,209.55	-12,925.94	14,334.52	0.41	-0.33	-0.24	
20,217.00	90.68	265.85	7,088.90	-6,215.51	-13,020.74	14,423.51	1.46	-0.88	-1.16	
20,311.00	91.56	267.44	7,087.06	-6,221.01	-13,114.55	14,511.42	1.93	0.94	1.69	
20,405.00	91.87	266.69	7,084.25	-6,225.82	-13,208.39	14,599.06	0.86	0.33	-0.80	
20,499.00	91.38	268.36	7,081.58	-6,229.88	-13,302.26	14,686.43	1.85	-0.52	1.78	
20,593.00	93.24	270.61	7,077.79	-6,230.73	-13,396.17	14,772.52	3.10	1.98	2.39	
20,687.00	93.28	270.04	7,072.45	-6,230.20	-13,490.01	14,858.00	0.61	0.04	-0.61	
20,781.00	93.20	269.38	7,067.13	-6,230.67	-13,583.86	14,943.89	0.71	-0.09	-0.70	

Civitas Resources

Survey Report

Company: EXTRACTION OIL & GAS	Local Co-ordinate Reference: Well MAVERICK 2W-20-02
Project: WELD COUNTY	TVD Reference: KBE 25' @ 4922.00usft
Site: Sec 36-T7N-R67W	MD Reference: KBE 25' @ 4922.00usft
Well: MAVERICK 2W-20-02	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)
20,875.00	91.87	269.55	7,062.98	-6,231.55	-13,677.76	15,029.99	1.43	-1.41	0.18
20,970.00	91.38	269.29	7,060.28	-6,232.51	-13,772.72	15,117.08	0.58	-0.52	-0.27
21,065.00	90.32	268.36	7,058.87	-6,234.46	-13,867.69	15,204.59	1.48	-1.12	-0.98
LAST SURVEY - 21065' MD, 7059' TVD									
21,167.00	90.32	268.36	7,058.30	-6,237.38	-13,969.64	15,298.88	0.00	0.00	0.00
PTB - 21167' MD, 7058' TVD, 1376' FSL, 299' FEL SEC 4									

Design Targets									
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 - Point	0.00	0.00	7,070.00	-6,235.52	-13,971.03	1,430,230.91	3,169,624.02	40.512783°N	104.889940°W
- actual wellpath misses target center by 11.92usft at 21167.00usft MD (7058.30 TVD, -6237.38 N, -13969.64 E)									
LP-MAVERICK 2W-20-0 - Point	0.00	0.00	7,140.00	-6,105.92	-3,297.62	1,430,439.98	3,180,296.17	40.513149°N	104.851553°W
- actual wellpath misses target center by 10.22usft at 10480.95usft MD (7130.06 TVD, -6107.85 N, -3299.00 E)									

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
1,643.00	1,595.40	-271.37	-135.26	SURFACE CSG - 1643' MD, 1595' TVD	
9,740.00	6,849.47	-5,787.60	-2,729.86	KOP - 9740' MD, 6849' TVD	
10,479.55	7,129.84	-6,107.73	-3,297.62	~100' X-OVER PNT - 10479.55' MD, 7130' TVD, 1523' FSL, 100' FEL SEC 2	
10,580.00	7,141.06	-6,113.05	-3,397.25	HZ LANDING PNT - 10580' MD, 7141' TVD	
21,065.00	7,058.87	-6,234.46	-13,867.69	LAST SURVEY - 21065' MD, 7059' TVD	
21,167.00	7,058.30	-6,237.38	-13,969.64	PTB - 21167' MD, 7058' TVD, 1376' FSL, 299' FEL SEC 4	

Checked By: _____ Approved By: _____ Date: _____