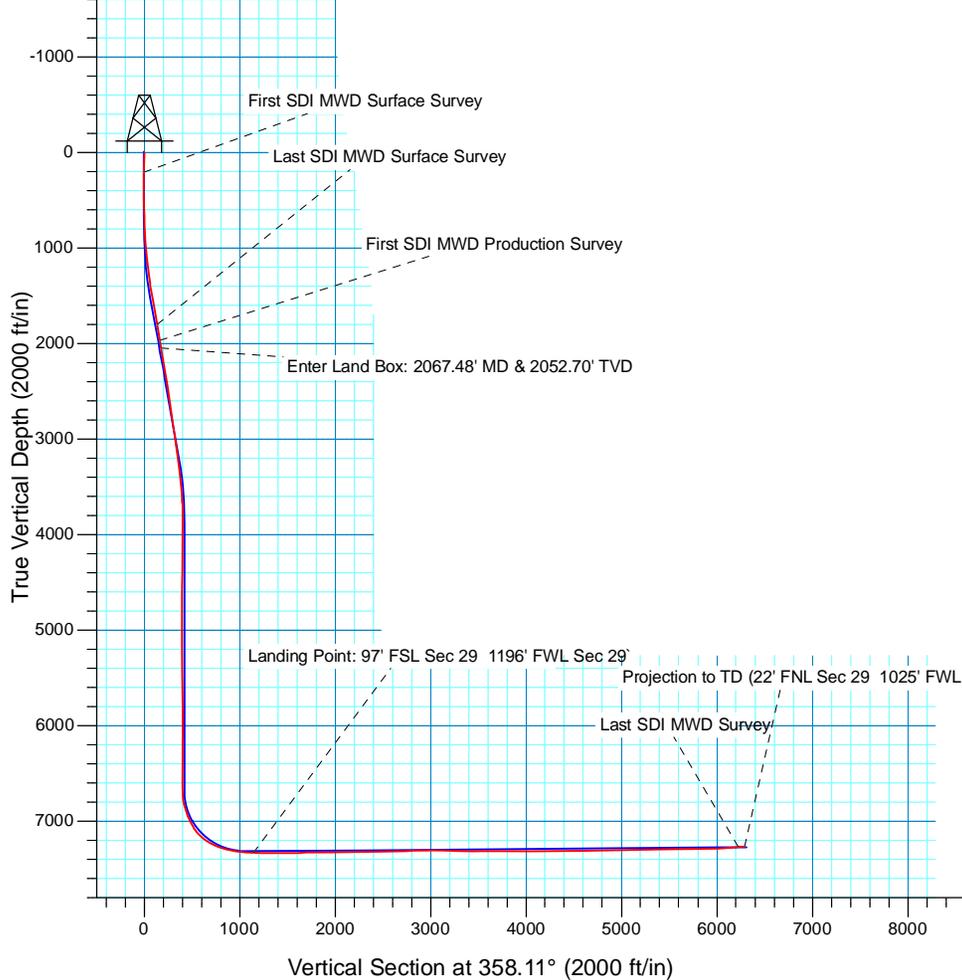


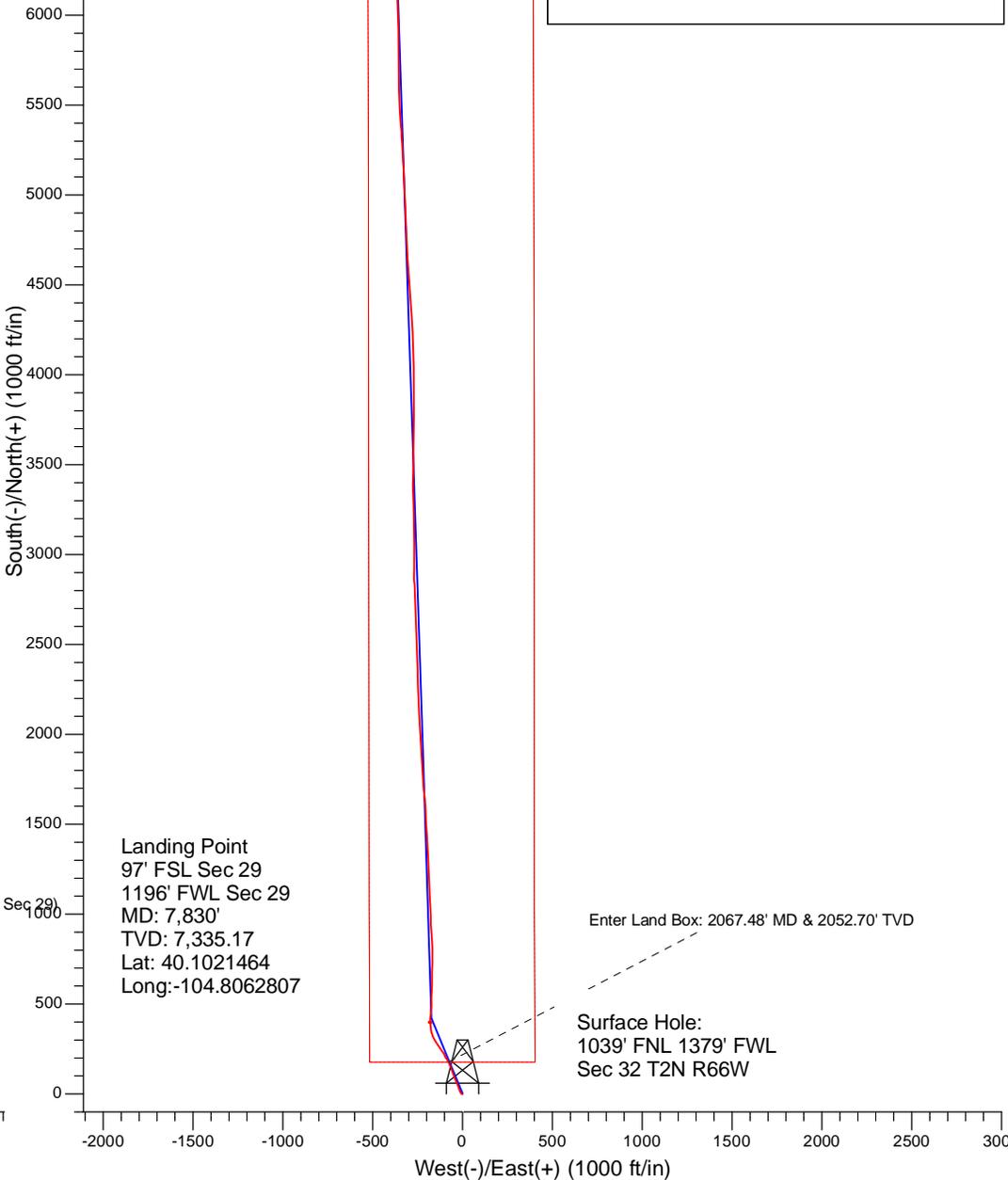
WELL DETAILS: Land Fed 29N-29HZ			
GL 4897' & KB 20' @ 4917.00ft (Precision 461)	4899.00		
Northing 14562852.90	Easting 1694772.31	Latitude 40.0990270	Longitude -104.8056270

Design: OH (Land Fed 29N-29HZ/OH)
 Created By: Seth Burstad Date: 6-9-2016

ANNOTATIONS						
TVD	MD	Inc	Azi	+N/-S	+E/-W	Annotation
213.00	213.00	0.40	226.22	-0.51	-0.54	First SDI MWD Surface Survey
1803.09	1814.00	10.69	336.74	136.54	-60.86	Last SDI MWD Surface Survey
1970.40	1984.00	9.70	335.79	164.09	-72.96	First SDI MWD Production Survey
2052.70	2067.48	9.61	333.92	176.76	-78.91	Enter Land Box: 2067.48' MD & 2052.70' TVD
7335.17	7830.00	88.19	357.68	1135.93	-182.79	Landing Point: 97' FSL Sec 29 1196' FWL Sec 29
7272.18	12919.00	96.11	358.67	6218.48	-364.74	Last SDI MWD Survey
7265.15	12985.00	96.11	358.67	6284.09	-366.26	Projection to TD (22' FNL Sec 29 1025' FWL Sec 29)



BHL
 22' FNL Sec 29
 1025' FWL Sec 29
 MD: 12,985
 TVD: 7,265.15
 Lat: 40.1162839
 Long: -104.8069370



PROJECT DETAILS: US Rockies Wattenberg Planning	
Geodetic System:	Universal Transverse Mercator (US Survey Feet)
Datum:	North American Datum 1983
Ellipsoid:	GRS 1980
Zone:	Zone 13N (108 W to 102 W)
System Datum:	Mean Sea Level
Local North:	True



US ROCKIES REGION PLANNING

US Rockies Wattenberg Planning

Land 18-32HZ Pad 2N-66W-32

Land Fed 29N-29HZ

OH

Design: OH

Standard Survey Report

14 June, 2016



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well Land Fed 29N-29HZ
Project:	US Rockies Wattenberg Planning	TVD Reference:	GL 4897' & KB 20' @ 4917.00ft (Precision 461)
Site:	Land 18-32HZ Pad 2N-66W-32	MD Reference:	GL 4897' & KB 20' @ 4917.00ft (Precision 461)
Well:	Land Fed 29N-29HZ	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Denver Sales Office

Project	US Rockies Wattenberg Planning		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Zone 13N (108 W to 102 W)		

Site	Land 18-32HZ Pad 2N-66W-32, Site Center: Land Fed 30C-29HZ				
Site Position:		Northing:	14,562,853.50 usft	Latitude:	40.0990290
From:	Lat/Long	Easting:	1,694,712.19 usft	Longitude:	-104.8058420
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.13 °

Well	Land Fed 29N-29HZ, 1039' FNL 1379' FWL Sec 32 T2N R66W					
Well Position	+N/-S	0.00 ft	Northing:	14,562,852.90 usft	Latitude:	40.0990270
	+E/-W	0.00 ft	Easting:	1,694,772.31 usft	Longitude:	-104.8056270
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	4,899.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	5/15/2016	8.34	66.69	52,587
	User Defined	6/8/2016	8.33	66.69	52,564

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	358.11	

Survey Program	Date	6/14/2016			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
213.00	1,814.00	Survey #1 - Surface (OH)	APC_ISCWSA REV 2 MWD+ Fixed.v2:crustal field declination		
1,984.00	12,985.00	Survey #2 - Production (OH)	APC_ISCWSA REV 2 MWD+ Fixed.v2:crustal field declination		

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
213.00	0.40	226.22	213.00	-0.51	-0.54	-0.50	0.19	0.19	0.00	
First SDI MWD Surface Survey										
307.00	0.65	223.20	306.99	-1.13	-1.14	-1.09	0.27	0.27	-3.21	
495.00	1.39	309.35	494.97	-0.46	-3.63	-0.34	0.79	0.39	45.82	
589.00	2.24	324.01	588.92	1.75	-5.59	1.93	1.02	0.90	15.60	
683.00	2.05	330.58	682.86	4.70	-7.50	4.94	0.33	-0.20	6.99	
777.00	2.06	334.88	776.80	7.69	-9.04	7.99	0.16	0.01	4.57	

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well Land Fed 29N-29HZ
Project:	US Rockies Wattenberg Planning	TVD Reference:	GL 4897' & KB 20' @ 4917.00ft (Precision 461)
Site:	Land 18-32HZ Pad 2N-66W-32	MD Reference:	GL 4897' & KB 20' @ 4917.00ft (Precision 461)
Well:	Land Fed 29N-29HZ	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Denver Sales Office

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
871.00	3.40	327.92	870.69	11.58	-11.24	11.95	1.47	1.43	-7.40	
1,059.00	6.07	341.22	1,058.04	25.72	-17.40	26.28	1.53	1.42	7.07	
1,153.00	6.32	339.56	1,151.49	35.27	-20.81	35.94	0.33	0.27	-1.77	
1,247.00	6.53	339.43	1,244.90	45.13	-24.49	45.91	0.22	0.22	-0.14	
1,341.00	7.66	337.51	1,338.18	55.92	-28.77	56.84	1.23	1.20	-2.04	
1,434.00	10.26	338.34	1,430.03	69.35	-34.20	70.44	2.80	2.80	0.89	
1,528.00	11.18	338.67	1,522.39	85.62	-40.60	86.91	0.98	0.98	0.35	
1,624.00	10.98	338.73	1,616.60	102.81	-47.30	104.31	0.21	-0.21	0.06	
1,719.00	11.23	338.45	1,709.82	119.84	-53.98	121.56	0.27	0.26	-0.29	
1,814.00	10.69	336.74	1,803.09	136.54	-60.86	138.47	0.66	-0.57	-1.80	
Last SDI MWD Surface Survey										
1,984.00	9.70	335.79	1,970.40	164.09	-72.96	166.40	0.59	-0.58	-0.56	
First SDI MWD Production Survey										
2,067.48	9.61	333.92	2,052.70	176.76	-78.91	179.27	0.39	-0.11	-2.24	
Enter Land Box: 2067.48' MD & 2052.70' TVD										
2,078.00	9.60	333.68	2,063.07	178.34	-79.68	180.87	0.39	-0.10	-2.26	
2,172.00	9.05	331.06	2,155.83	191.83	-86.74	194.59	0.74	-0.59	-2.79	
2,268.00	10.59	334.86	2,250.42	206.42	-94.14	209.42	1.74	1.60	3.96	
2,363.00	10.19	330.95	2,343.87	221.67	-101.93	224.92	0.85	-0.42	-4.12	
2,458.00	10.67	328.85	2,437.30	236.55	-110.56	240.06	0.64	0.51	-2.21	
2,553.00	11.55	326.01	2,530.52	251.96	-120.42	255.79	1.09	0.93	-2.99	
2,648.00	10.78	323.32	2,623.72	266.97	-131.05	271.15	0.98	-0.81	-2.83	
2,742.00	10.33	324.73	2,716.13	280.90	-141.16	285.40	0.55	-0.48	1.50	
2,837.00	9.62	326.92	2,809.69	294.51	-150.42	299.31	0.85	-0.75	2.31	
2,931.00	9.14	331.86	2,902.44	307.67	-158.22	312.72	1.00	-0.51	5.26	
3,025.00	8.89	338.49	2,995.28	321.01	-164.41	326.26	1.14	-0.27	7.05	
3,119.00	8.52	340.83	3,088.19	334.35	-169.36	339.75	0.54	-0.39	2.49	
3,214.00	7.32	350.76	3,182.29	346.97	-172.64	352.47	1.91	-1.26	10.45	
3,308.00	7.14	347.40	3,275.54	358.58	-174.88	364.15	0.49	-0.19	-3.57	
3,404.00	6.59	358.65	3,370.86	369.91	-176.31	375.53	1.51	-0.57	11.72	
3,498.00	5.21	1.55	3,464.36	379.57	-176.32	385.18	1.50	-1.47	3.09	
3,593.00	4.67	352.34	3,559.01	387.72	-176.72	393.33	1.01	-0.57	-9.69	
3,685.00	3.35	349.83	3,650.78	394.07	-177.69	399.72	1.45	-1.43	-2.73	
3,780.00	1.89	339.76	3,745.68	398.28	-178.72	403.95	1.61	-1.54	-10.60	
3,874.00	0.59	42.91	3,839.66	400.08	-178.93	405.77	1.82	-1.38	67.18	
3,969.00	1.60	116.82	3,934.64	399.84	-177.41	405.48	1.63	1.06	77.80	
4,063.00	1.22	120.90	4,028.61	398.74	-175.39	404.31	0.42	-0.40	4.34	
4,158.00	0.77	133.63	4,123.60	397.78	-174.06	403.30	0.52	-0.47	13.40	
4,251.00	0.54	102.96	4,216.59	397.25	-173.18	402.74	0.44	-0.25	-32.98	
4,346.00	0.55	145.60	4,311.59	396.77	-172.48	402.25	0.42	0.01	44.88	
4,442.00	0.77	135.16	4,407.58	395.93	-171.77	401.38	0.26	0.23	-10.88	
4,535.00	0.50	152.94	4,500.58	395.13	-171.14	400.56	0.36	-0.29	19.12	
4,630.00	0.39	161.52	4,595.58	394.45	-170.85	399.87	0.14	-0.12	9.03	
4,725.00	0.47	152.21	4,690.57	393.80	-170.57	399.21	0.11	0.08	-9.80	

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well Land Fed 29N-29HZ
Project:	US Rockies Wattenberg Planning	TVD Reference:	GL 4897' & KB 20' @ 4917.00ft (Precision 461)
Site:	Land 18-32HZ Pad 2N-66W-32	MD Reference:	GL 4897' & KB 20' @ 4917.00ft (Precision 461)
Well:	Land Fed 29N-29HZ	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Denver Sales Office

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4,819.00	0.31	170.65	4,784.57	393.21	-170.35	398.62	0.21	-0.17	19.62	
4,914.00	0.20	218.73	4,879.57	392.83	-170.41	398.23	0.24	-0.12	50.61	
5,007.00	0.29	243.50	4,972.57	392.60	-170.72	398.01	0.15	0.10	26.63	
5,100.00	1.04	268.68	5,065.56	392.47	-171.77	397.92	0.85	0.81	27.08	
5,195.00	1.13	282.95	5,160.54	392.66	-173.55	398.17	0.30	0.09	15.02	
5,288.00	1.41	278.17	5,253.52	393.03	-175.58	398.61	0.32	0.30	-5.14	
5,382.00	1.27	287.35	5,347.50	393.51	-177.71	399.15	0.27	-0.15	9.77	
5,475.00	1.14	291.77	5,440.48	394.16	-179.56	399.86	0.17	-0.14	4.75	
5,568.00	0.92	299.04	5,533.46	394.86	-181.07	400.62	0.27	-0.24	7.82	
5,663.00	0.80	286.99	5,628.45	395.43	-182.37	401.22	0.23	-0.13	-12.68	
5,758.00	1.04	305.34	5,723.44	396.12	-183.71	401.96	0.40	0.25	19.32	
5,854.00	1.06	311.88	5,819.42	397.21	-185.08	403.10	0.13	0.02	6.81	
5,947.00	1.09	297.99	5,912.41	398.20	-186.50	404.14	0.28	0.03	-14.94	
6,042.00	0.35	115.31	6,007.40	398.50	-187.04	404.46	1.52	-0.78	186.65	
6,137.00	1.02	139.99	6,102.39	397.73	-186.23	403.66	0.75	0.71	25.98	
6,231.00	1.15	110.64	6,196.38	396.76	-184.81	402.64	0.60	0.14	-31.22	
6,324.00	1.00	85.24	6,289.36	396.50	-183.13	402.32	0.53	-0.16	-27.31	
6,417.00	0.65	67.73	6,382.35	396.76	-181.83	402.55	0.46	-0.38	-18.83	
6,510.00	0.68	59.50	6,475.35	397.24	-180.87	402.99	0.11	0.03	-8.85	
6,604.00	0.92	18.24	6,569.34	398.24	-180.15	403.97	0.65	0.26	-43.89	
6,696.00	1.25	12.25	6,661.32	399.93	-179.71	405.64	0.38	0.36	-6.51	
6,791.00	4.40	7.25	6,756.19	404.56	-179.03	410.24	3.32	3.32	-5.26	
6,885.00	14.43	1.86	6,848.81	419.88	-178.19	425.53	10.70	10.67	-5.73	
6,978.00	21.30	6.02	6,937.28	448.29	-176.04	453.85	7.51	7.39	4.47	
7,072.00	27.56	4.37	7,022.82	486.99	-172.59	492.42	6.70	6.66	-1.76	
7,166.00	37.78	0.82	7,101.85	537.60	-170.51	542.94	11.06	10.87	-3.78	
7,261.00	49.46	1.23	7,170.50	603.02	-169.32	608.27	12.30	12.29	0.43	
7,357.00	58.91	1.98	7,226.62	680.75	-167.11	685.89	9.86	9.84	0.78	
7,451.00	69.61	0.73	7,267.38	765.27	-165.15	770.30	11.45	11.38	-1.33	
7,546.00	75.53	356.08	7,295.84	855.80	-167.73	860.87	7.79	6.23	-4.89	
7,640.00	79.10	355.93	7,316.48	947.27	-174.12	952.50	3.80	3.80	-0.16	
7,736.00	85.10	357.93	7,329.67	1,042.17	-179.20	1,047.52	6.58	6.25	2.08	
7,830.00	88.19	357.68	7,335.17	1,135.93	-182.79	1,141.34	3.30	3.29	-0.27	
Landing Point: 97' FSL Sec 29 1196' FWL Sec 29'										
7,924.00	88.96	357.52	7,337.51	1,229.82	-186.73	1,235.31	0.84	0.82	-0.17	
8,019.00	89.90	357.06	7,338.45	1,324.71	-191.22	1,330.29	1.10	0.99	-0.48	
8,112.00	90.50	356.62	7,338.13	1,417.57	-196.35	1,423.27	0.80	0.65	-0.47	
8,206.00	90.77	356.61	7,337.09	1,511.40	-201.90	1,517.23	0.29	0.29	-0.01	
8,300.00	90.97	356.40	7,335.66	1,605.21	-207.63	1,611.18	0.31	0.21	-0.22	
8,394.00	91.38	355.60	7,333.73	1,698.96	-214.18	1,705.10	0.96	0.44	-0.85	
8,489.00	90.71	356.22	7,332.00	1,793.70	-220.96	1,800.01	0.96	-0.71	0.65	
8,583.00	90.97	355.36	7,330.62	1,887.44	-227.86	1,893.93	0.96	0.28	-0.91	
8,676.00	90.23	357.16	7,329.65	1,980.23	-233.92	1,986.87	2.09	-0.80	1.94	

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well Land Fed 29N-29HZ
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Site:	Land 18-32HZ Pad 2N-66W-32	MD Reference:	GL 4897' & KB 20' @ 4917.00ft (Precision 461)
Well:	Land Fed 29N-29HZ	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Denver Sales Office

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
8,770.00	90.47	356.47	7,329.07	2,074.08	-239.14	2,080.84	0.78	0.26	-0.73	
8,864.00	91.11	357.99	7,327.78	2,167.96	-243.69	2,174.82	1.75	0.68	1.62	
8,959.00	92.25	358.80	7,324.99	2,262.88	-246.35	2,269.77	1.47	1.20	0.85	
9,054.00	91.44	358.24	7,321.93	2,357.80	-248.80	2,364.72	1.04	-0.85	-0.59	
9,147.00	90.00	358.51	7,320.76	2,450.75	-251.44	2,457.71	1.58	-1.55	0.29	
9,242.00	90.47	357.81	7,320.37	2,545.70	-254.49	2,552.71	0.89	0.49	-0.74	
9,336.00	92.14	356.84	7,318.23	2,639.57	-258.87	2,646.67	2.05	1.78	-1.03	
9,430.00	92.02	357.53	7,314.82	2,733.39	-263.48	2,740.60	0.74	-0.13	0.73	
9,525.00	90.37	357.95	7,312.84	2,828.29	-267.23	2,835.57	1.79	-1.74	0.44	
9,619.00	90.00	0.16	7,312.54	2,922.28	-268.78	2,929.55	2.38	-0.39	2.35	
9,711.00	91.58	1.01	7,311.27	3,014.26	-267.84	3,021.45	1.95	1.72	0.92	
9,806.00	90.47	359.22	7,309.57	3,109.24	-267.65	3,116.37	2.22	-1.17	-1.88	
9,900.00	87.85	358.76	7,310.95	3,203.20	-269.31	3,210.34	2.83	-2.79	-0.49	
9,994.00	87.65	358.16	7,314.64	3,297.10	-271.83	3,304.27	0.67	-0.21	-0.64	
10,087.00	89.23	0.37	7,317.17	3,390.05	-273.02	3,397.21	2.92	1.70	2.38	
10,181.00	90.27	0.04	7,317.58	3,484.04	-272.69	3,491.14	1.16	1.11	-0.35	
10,275.00	89.16	0.14	7,318.05	3,578.04	-272.54	3,585.08	1.19	-1.18	0.11	
10,368.00	90.34	1.32	7,318.45	3,671.03	-271.35	3,677.98	1.79	1.27	1.27	
10,463.00	91.71	0.94	7,316.75	3,765.99	-269.48	3,772.83	1.50	1.44	-0.40	
10,556.00	90.34	359.91	7,315.09	3,858.97	-268.79	3,865.74	1.84	-1.47	-1.11	
10,652.00	88.62	359.63	7,315.96	3,954.96	-269.18	3,961.69	1.82	-1.79	-0.29	
10,746.00	88.76	358.16	7,318.11	4,048.92	-270.99	4,055.65	1.57	0.15	-1.56	
10,840.00	89.97	357.62	7,319.15	4,142.85	-274.45	4,149.64	1.41	1.29	-0.57	
10,933.00	91.34	357.18	7,318.09	4,235.74	-278.67	4,242.63	1.55	1.47	-0.47	
11,027.00	91.04	356.63	7,316.14	4,329.59	-283.74	4,336.59	0.67	-0.32	-0.59	
11,119.00	91.18	356.24	7,314.35	4,421.39	-289.46	4,428.53	0.45	0.15	-0.42	
11,213.00	91.11	355.64	7,312.48	4,515.13	-296.12	4,522.44	0.64	-0.07	-0.64	
11,305.00	90.77	356.29	7,310.97	4,606.89	-302.59	4,614.37	0.80	-0.37	0.71	
11,398.00	91.24	357.90	7,309.34	4,699.76	-307.30	4,707.33	1.80	0.51	1.73	
11,491.00	89.56	357.35	7,308.69	4,792.67	-311.15	4,800.33	1.90	-1.81	-0.59	
11,585.00	89.26	357.34	7,309.65	4,886.56	-315.51	4,894.31	0.32	-0.32	-0.01	
11,678.00	90.97	358.11	7,309.47	4,979.49	-319.20	4,987.31	2.02	1.84	0.83	
11,772.00	91.75	356.82	7,307.24	5,073.37	-323.36	5,081.27	1.60	0.83	-1.37	
11,865.00	92.69	356.91	7,303.63	5,166.16	-328.44	5,174.18	1.02	1.01	0.10	
11,958.00	91.91	356.80	7,299.90	5,258.94	-333.54	5,267.08	0.85	-0.84	-0.12	
12,053.00	90.03	355.42	7,298.29	5,353.70	-339.98	5,362.00	2.45	-1.98	-1.45	
12,147.00	90.64	356.09	7,297.74	5,447.44	-346.94	5,455.92	0.96	0.65	0.71	
12,240.00	91.34	358.79	7,296.14	5,540.32	-351.09	5,548.89	3.00	0.75	2.90	
12,332.00	92.12	359.55	7,293.36	5,632.27	-352.42	5,640.83	1.18	0.85	0.83	
12,426.00	92.29	359.26	7,289.74	5,726.20	-353.40	5,734.74	0.36	0.18	-0.31	
12,521.00	89.87	358.93	7,287.95	5,821.16	-354.90	5,829.70	2.57	-2.55	-0.35	
12,616.00	90.07	358.31	7,288.00	5,916.13	-357.19	5,924.69	0.69	0.21	-0.65	
12,711.00	91.84	358.62	7,286.42	6,011.08	-359.73	6,019.68	1.89	1.86	0.33	
12,805.00	93.67	358.55	7,281.90	6,104.94	-362.05	6,113.56	1.95	1.95	-0.07	

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well Land Fed 29N-29HZ
Project:	US Rockies Wattenberg Planning	TVD Reference:	GL 4897' & KB 20' @ 4917.00ft (Precision 461)
Site:	Land 18-32HZ Pad 2N-66W-32	MD Reference:	GL 4897' & KB 20' @ 4917.00ft (Precision 461)
Well:	Land Fed 29N-29HZ	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Denver Sales Office

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
12,900.00	95.71	358.72	7,274.13	6,199.59	-364.31	6,208.23	2.15	2.15	0.18	
12,919.00	96.11	358.67	7,272.18	6,218.48	-364.74	6,227.13	2.12	2.11	-0.26	
Last SDI MWD Survey										
12,985.00	96.11	358.67	7,265.15	6,284.09	-366.26	6,292.75	0.00	0.00	0.00	
Projection to TD (22' FNL Sec 29 1025' FWL Sec 29)										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
213.00	213.00	-0.51	-0.54	First SDI MWD Surface Survey	
1,814.00	1,803.09	136.54	-60.86	Last SDI MWD Surface Survey	
1,984.00	1,970.40	164.09	-72.96	First SDI MWD Production Survey	
2,067.48	2,052.70	176.76	-78.91	Enter Land Box: 2067.48' MD & 2052.70' TVD	
7,830.00	7,335.17	1,135.93	-182.79	Landing Point: 97' FSL Sec 29 1196' FWL Sec 29'	
12,919.00	7,272.18	6,218.48	-364.74	Last SDI MWD Survey	
12,985.00	7,265.15	6,284.09	-366.26	Projection to TD (22' FNL Sec 29 1025' FWL Sec 29)	

Checked By: _____ Approved By: _____ Date: _____