

Ward Petroleum

West Brighton Adams, CO

Anderson Pad

Anderson 18-3-11HC

Wellbore #1

Plan: State Plan #1

Standard Planning Report - Geographic

29 January, 2016

Planning Report - Geographic

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Site Anderson Pad
Company:	Ward Petroleum	TVD Reference:	KB @ 5023.0usft
Project:	West Brighton Adams, CO	MD Reference:	KB @ 5023.0usft
Site:	Anderson Pad	North Reference:	True
Well:	Anderson 18-3-11HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Project	West Brighton Adams, CO		
Map System:	US State Plane 1983	System Datum:	Ground Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	Anderson Pad					
Site Position:		Northing:	1,229,157.40 usft	Latitude:	39° 57' 37.567 N	
From:	Map	Easting:	3,189,581.10 usft	Longitude:	104° 49' 25.254 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.44 °

Well	Anderson 18-3-11HC					
Well Position	+N/-S	0.3 usft	Northing:	1,229,157.40 usft	Latitude:	39° 57' 37.569 N
	+E/-W	-35.0 usft	Easting:	3,189,546.10 usft	Longitude:	104° 49' 25.703 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	5,005.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	9.01	66.74	53,023

Design	State Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.3	-35.0	356.79

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.3	-35.0	0.00	0.00	0.00	0.00	
500.0	5.00	190.44	499.4	-21.2	-38.9	1.00	1.00	0.00	190.44	
1,800.0	5.00	190.44	1,794.4	-132.6	-59.5	0.00	0.00	0.00	0.00	
1,872.4	5.12	202.70	1,866.5	-138.7	-61.3	1.50	0.17	16.94	89.79	
7,107.0	5.12	202.70	7,080.2	-569.7	-241.6	0.00	0.00	0.00	0.00	
8,054.2	90.00	0.01	7,700.0	1.3	-262.9	10.00	8.96	16.61	157.23	LP 18-3-11HC
11,926.8	90.00	0.01	7,700.0	3,874.0	-262.3	0.00	0.00	0.00	0.00	BHL 18-3-11HC
12,101.0	90.00	0.01	7,700.0	4,048.1	-262.2	0.00	0.00	0.00	-90.00	

Planning Report - Geographic

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Site Anderson Pad
Company:	Ward Petroleum	TVD Reference:	KB @ 5023.0usft
Project:	West Brighton Adams, CO	MD Reference:	KB @ 5023.0usft
Site:	Anderson Pad	North Reference:	True
Well:	Anderson 18-3-11HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.3	-35.0	1,229,157.40	3,189,546.10	39° 57' 37.569 N	104° 49' 25.703 W
100.0	1.00	190.44	100.0	-0.6	-35.2	1,229,156.54	3,189,545.95	39° 57' 37.561 N	104° 49' 25.705 W
200.0	2.00	190.44	200.0	-3.2	-35.6	1,229,153.96	3,189,545.50	39° 57' 37.535 N	104° 49' 25.712 W
300.0	3.00	190.44	299.9	-7.5	-36.4	1,229,149.66	3,189,544.74	39° 57' 37.493 N	104° 49' 25.722 W
400.0	4.00	190.44	399.7	-13.5	-37.5	1,229,143.65	3,189,543.68	39° 57' 37.434 N	104° 49' 25.736 W
500.0	5.00	190.44	499.4	-21.2	-38.9	1,229,135.93	3,189,542.32	39° 57' 37.357 N	104° 49' 25.754 W
600.0	5.00	190.44	599.0	-29.7	-40.5	1,229,127.34	3,189,540.80	39° 57' 37.273 N	104° 49' 25.774 W
700.0	5.00	190.44	698.6	-38.3	-42.1	1,229,118.76	3,189,539.29	39° 57' 37.188 N	104° 49' 25.795 W
800.0	5.00	190.44	798.2	-46.9	-43.7	1,229,110.18	3,189,537.78	39° 57' 37.103 N	104° 49' 25.815 W
900.0	5.00	190.44	897.8	-55.5	-45.3	1,229,101.59	3,189,536.26	39° 57' 37.019 N	104° 49' 25.835 W
1,000.0	5.00	190.44	997.5	-64.0	-46.8	1,229,093.01	3,189,534.75	39° 57' 36.934 N	104° 49' 25.856 W
1,100.0	5.00	190.44	1,097.1	-72.6	-48.4	1,229,084.43	3,189,533.23	39° 57' 36.849 N	104° 49' 25.876 W
1,200.0	5.00	190.44	1,196.7	-81.2	-50.0	1,229,075.84	3,189,531.72	39° 57' 36.764 N	104° 49' 25.896 W
1,300.0	5.00	190.44	1,296.3	-89.7	-51.6	1,229,067.26	3,189,530.21	39° 57' 36.680 N	104° 49' 25.916 W
1,400.0	5.00	190.44	1,395.9	-98.3	-53.2	1,229,058.68	3,189,528.69	39° 57' 36.595 N	104° 49' 25.937 W
1,500.0	5.00	190.44	1,495.6	-106.9	-54.7	1,229,050.09	3,189,527.18	39° 57' 36.510 N	104° 49' 25.957 W
1,600.0	5.00	190.44	1,595.2	-115.5	-56.3	1,229,041.51	3,189,525.67	39° 57' 36.426 N	104° 49' 25.977 W
1,700.0	5.00	190.44	1,694.8	-124.0	-57.9	1,229,032.93	3,189,524.15	39° 57' 36.341 N	104° 49' 25.997 W
1,800.0	5.00	190.44	1,794.4	-132.6	-59.5	1,229,024.34	3,189,522.64	39° 57' 36.256 N	104° 49' 26.018 W
1,872.4	5.12	202.70	1,866.5	-138.7	-61.3	1,229,018.25	3,189,520.87	39° 57' 36.196 N	104° 49' 26.041 W
1,900.0	5.12	202.70	1,894.0	-141.0	-62.2	1,229,015.97	3,189,519.94	39° 57' 36.174 N	104° 49' 26.053 W
2,000.0	5.12	202.70	1,993.6	-149.2	-65.7	1,229,007.71	3,189,516.56	39° 57' 36.092 N	104° 49' 26.098 W
2,100.0	5.12	202.70	2,093.2	-157.4	-69.1	1,228,999.45	3,189,513.17	39° 57' 36.011 N	104° 49' 26.142 W
2,200.0	5.12	202.70	2,192.8	-165.7	-72.6	1,228,991.19	3,189,509.79	39° 57' 35.930 N	104° 49' 26.186 W
2,300.0	5.12	202.70	2,292.4	-173.9	-76.0	1,228,982.93	3,189,506.41	39° 57' 35.848 N	104° 49' 26.230 W
2,400.0	5.12	202.70	2,392.0	-182.1	-79.5	1,228,974.67	3,189,503.03	39° 57' 35.767 N	104° 49' 26.274 W
2,500.0	5.12	202.70	2,491.6	-190.4	-82.9	1,228,966.41	3,189,499.65	39° 57' 35.685 N	104° 49' 26.319 W
2,600.0	5.12	202.70	2,591.2	-198.6	-86.3	1,228,958.15	3,189,496.27	39° 57' 35.604 N	104° 49' 26.363 W
2,700.0	5.12	202.70	2,690.8	-206.8	-89.8	1,228,949.89	3,189,492.89	39° 57' 35.523 N	104° 49' 26.407 W
2,800.0	5.12	202.70	2,790.4	-215.1	-93.2	1,228,941.63	3,189,489.51	39° 57' 35.441 N	104° 49' 26.451 W
2,900.0	5.12	202.70	2,890.0	-223.3	-96.7	1,228,933.37	3,189,486.13	39° 57' 35.360 N	104° 49' 26.496 W
3,000.0	5.12	202.70	2,989.6	-231.5	-100.1	1,228,925.11	3,189,482.75	39° 57' 35.279 N	104° 49' 26.540 W
3,100.0	5.12	202.70	3,089.2	-239.8	-103.6	1,228,916.86	3,189,479.37	39° 57' 35.197 N	104° 49' 26.584 W
3,200.0	5.12	202.70	3,188.8	-248.0	-107.0	1,228,908.60	3,189,475.99	39° 57' 35.116 N	104° 49' 26.628 W
3,300.0	5.12	202.70	3,288.4	-256.2	-110.5	1,228,900.34	3,189,472.61	39° 57' 35.034 N	104° 49' 26.672 W
3,400.0	5.12	202.70	3,388.0	-264.5	-113.9	1,228,892.08	3,189,469.23	39° 57' 34.953 N	104° 49' 26.717 W
3,500.0	5.12	202.70	3,487.6	-272.7	-117.3	1,228,883.82	3,189,465.84	39° 57' 34.872 N	104° 49' 26.761 W
3,600.0	5.12	202.70	3,587.2	-280.9	-120.8	1,228,875.56	3,189,462.46	39° 57' 34.790 N	104° 49' 26.805 W
3,700.0	5.12	202.70	3,686.8	-289.2	-124.2	1,228,867.30	3,189,459.08	39° 57' 34.709 N	104° 49' 26.849 W
3,800.0	5.12	202.70	3,786.4	-297.4	-127.7	1,228,859.04	3,189,455.70	39° 57' 34.628 N	104° 49' 26.894 W
3,900.0	5.12	202.70	3,886.0	-305.6	-131.1	1,228,850.78	3,189,452.32	39° 57' 34.546 N	104° 49' 26.938 W
4,000.0	5.12	202.70	3,985.6	-313.9	-134.6	1,228,842.52	3,189,448.94	39° 57' 34.465 N	104° 49' 26.982 W
4,100.0	5.12	202.70	4,085.2	-322.1	-138.0	1,228,834.26	3,189,445.56	39° 57' 34.384 N	104° 49' 27.026 W
4,200.0	5.12	202.70	4,184.9	-330.3	-141.4	1,228,826.00	3,189,442.18	39° 57' 34.302 N	104° 49' 27.070 W
4,300.0	5.12	202.70	4,284.5	-338.6	-144.9	1,228,817.74	3,189,438.80	39° 57' 34.221 N	104° 49' 27.115 W
4,400.0	5.12	202.70	4,384.1	-346.8	-148.3	1,228,809.48	3,189,435.42	39° 57' 34.139 N	104° 49' 27.159 W
4,500.0	5.12	202.70	4,483.7	-355.0	-151.8	1,228,801.22	3,189,432.04	39° 57' 34.058 N	104° 49' 27.203 W
4,600.0	5.12	202.70	4,583.3	-363.3	-155.2	1,228,792.96	3,189,428.66	39° 57' 33.977 N	104° 49' 27.247 W
4,700.0	5.12	202.70	4,682.9	-371.5	-158.7	1,228,784.70	3,189,425.28	39° 57' 33.895 N	104° 49' 27.292 W
4,800.0	5.12	202.70	4,782.5	-379.7	-162.1	1,228,776.45	3,189,421.90	39° 57' 33.814 N	104° 49' 27.336 W
4,900.0	5.12	202.70	4,882.1	-388.0	-165.6	1,228,768.19	3,189,418.51	39° 57' 33.733 N	104° 49' 27.380 W
5,000.0	5.12	202.70	4,981.7	-396.2	-169.0	1,228,759.93	3,189,415.13	39° 57' 33.651 N	104° 49' 27.424 W
5,100.0	5.12	202.70	5,081.3	-404.4	-172.4	1,228,751.67	3,189,411.75	39° 57' 33.570 N	104° 49' 27.468 W
5,200.0	5.12	202.70	5,180.9	-412.7	-175.9	1,228,743.41	3,189,408.37	39° 57' 33.488 N	104° 49' 27.513 W
5,300.0	5.12	202.70	5,280.5	-420.9	-179.3	1,228,735.15	3,189,404.99	39° 57' 33.407 N	104° 49' 27.557 W

Planning Report - Geographic

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Site Anderson Pad
Company:	Ward Petroleum	TVD Reference:	KB @ 5023.0usft
Project:	West Brighton Adams, CO	MD Reference:	KB @ 5023.0usft
Site:	Anderson Pad	North Reference:	True
Well:	Anderson 18-3-11HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
5,400.0	5.12	202.70	5,380.1	-429.1	-182.8	1,228,726.89	3,189,401.61	39° 57' 33.326 N	104° 49' 27.601 W	
5,500.0	5.12	202.70	5,479.7	-437.4	-186.2	1,228,718.63	3,189,398.23	39° 57' 33.244 N	104° 49' 27.645 W	
5,600.0	5.12	202.70	5,579.3	-445.6	-189.7	1,228,710.37	3,189,394.85	39° 57' 33.163 N	104° 49' 27.690 W	
5,700.0	5.12	202.70	5,678.9	-453.8	-193.1	1,228,702.11	3,189,391.47	39° 57' 33.082 N	104° 49' 27.734 W	
5,800.0	5.12	202.70	5,778.5	-462.1	-196.5	1,228,693.85	3,189,388.09	39° 57' 33.000 N	104° 49' 27.778 W	
5,900.0	5.12	202.70	5,878.1	-470.3	-200.0	1,228,685.59	3,189,384.71	39° 57' 32.919 N	104° 49' 27.822 W	
6,000.0	5.12	202.70	5,977.7	-478.5	-203.4	1,228,677.33	3,189,381.33	39° 57' 32.838 N	104° 49' 27.866 W	
6,100.0	5.12	202.70	6,077.3	-486.8	-206.9	1,228,669.07	3,189,377.95	39° 57' 32.756 N	104° 49' 27.911 W	
6,200.0	5.12	202.70	6,176.9	-495.0	-210.3	1,228,660.81	3,189,374.57	39° 57' 32.675 N	104° 49' 27.955 W	
6,300.0	5.12	202.70	6,276.5	-503.2	-213.8	1,228,652.55	3,189,371.18	39° 57' 32.593 N	104° 49' 27.999 W	
6,400.0	5.12	202.70	6,376.1	-511.5	-217.2	1,228,644.29	3,189,367.80	39° 57' 32.512 N	104° 49' 28.043 W	
6,500.0	5.12	202.70	6,475.7	-519.7	-220.6	1,228,636.04	3,189,364.42	39° 57' 32.431 N	104° 49' 28.088 W	
6,600.0	5.12	202.70	6,575.3	-527.9	-224.1	1,228,627.78	3,189,361.04	39° 57' 32.349 N	104° 49' 28.132 W	
6,700.0	5.12	202.70	6,674.9	-536.2	-227.5	1,228,619.52	3,189,357.66	39° 57' 32.268 N	104° 49' 28.176 W	
6,800.0	5.12	202.70	6,774.5	-544.4	-231.0	1,228,611.26	3,189,354.28	39° 57' 32.187 N	104° 49' 28.220 W	
6,900.0	5.12	202.70	6,874.1	-552.6	-234.4	1,228,603.00	3,189,350.90	39° 57' 32.105 N	104° 49' 28.264 W	
7,000.0	5.12	202.70	6,973.7	-560.9	-237.9	1,228,594.74	3,189,347.52	39° 57' 32.024 N	104° 49' 28.309 W	
7,100.0	5.12	202.70	7,073.3	-569.1	-241.3	1,228,586.48	3,189,344.14	39° 57' 31.942 N	104° 49' 28.353 W	
7,107.0	5.12	202.70	7,080.2	-569.7	-241.6	1,228,585.90	3,189,343.90	39° 57' 31.937 N	104° 49' 28.356 W	
7,200.0	4.99	336.68	7,173.1	-569.8	-244.8	1,228,585.76	3,189,340.69	39° 57' 31.936 N	104° 49' 28.397 W	
7,300.0	14.71	352.44	7,271.5	-553.2	-248.2	1,228,602.35	3,189,337.17	39° 57' 32.100 N	104° 49' 28.441 W	
7,400.0	24.65	355.69	7,365.6	-519.7	-251.4	1,228,635.80	3,189,333.67	39° 57' 32.431 N	104° 49' 28.483 W	
7,500.0	34.63	357.14	7,452.4	-470.4	-254.4	1,228,685.07	3,189,330.30	39° 57' 32.918 N	104° 49' 28.521 W	
7,600.0	44.61	358.00	7,529.3	-406.8	-257.0	1,228,748.68	3,189,327.17	39° 57' 33.547 N	104° 49' 28.555 W	
7,700.0	54.60	358.60	7,594.0	-330.7	-259.3	1,228,824.70	3,189,324.36	39° 57' 34.298 N	104° 49' 28.584 W	
7,800.0	64.59	359.07	7,644.6	-244.6	-261.0	1,228,910.80	3,189,321.97	39° 57' 35.149 N	104° 49' 28.606 W	
7,900.0	74.59	359.46	7,679.4	-151.0	-262.2	1,229,004.39	3,189,320.07	39° 57' 36.074 N	104° 49' 28.621 W	
8,000.0	84.58	359.82	7,697.4	-52.8	-262.8	1,229,102.61	3,189,318.71	39° 57' 37.045 N	104° 49' 28.629 W	
8,054.2	90.00	0.01	7,700.0	1.3	-262.9	1,229,156.74	3,189,318.22	39° 57' 37.580 N	104° 49' 28.630 W	
8,100.0	90.00	0.01	7,700.0	47.1	-262.9	1,229,202.52	3,189,317.88	39° 57' 38.032 N	104° 49' 28.630 W	
8,200.0	90.00	0.01	7,700.0	147.1	-262.9	1,229,302.52	3,189,317.13	39° 57' 39.021 N	104° 49' 28.630 W	
8,300.0	90.00	0.01	7,700.0	247.1	-262.8	1,229,402.52	3,189,316.38	39° 57' 40.009 N	104° 49' 28.630 W	
8,400.0	90.00	0.01	7,700.0	347.1	-262.8	1,229,502.51	3,189,315.64	39° 57' 40.997 N	104° 49' 28.629 W	
8,500.0	90.00	0.01	7,700.0	447.1	-262.8	1,229,602.51	3,189,314.89	39° 57' 41.986 N	104° 49' 28.629 W	
8,600.0	90.00	0.01	7,700.0	547.1	-262.8	1,229,702.51	3,189,314.14	39° 57' 42.974 N	104° 49' 28.629 W	
8,700.0	90.00	0.01	7,700.0	647.1	-262.8	1,229,802.51	3,189,313.40	39° 57' 43.962 N	104° 49' 28.629 W	
8,800.0	90.00	0.01	7,700.0	747.1	-262.8	1,229,902.50	3,189,312.65	39° 57' 44.950 N	104° 49' 28.629 W	
8,900.0	90.00	0.01	7,700.0	847.1	-262.7	1,230,002.50	3,189,311.90	39° 57' 45.939 N	104° 49' 28.628 W	
9,000.0	90.00	0.01	7,700.0	947.1	-262.7	1,230,102.50	3,189,311.16	39° 57' 46.927 N	104° 49' 28.628 W	
9,100.0	90.00	0.01	7,700.0	1,047.1	-262.7	1,230,202.49	3,189,310.41	39° 57' 47.915 N	104° 49' 28.628 W	
9,200.0	90.00	0.01	7,700.0	1,147.1	-262.7	1,230,302.49	3,189,309.66	39° 57' 48.903 N	104° 49' 28.628 W	
9,300.0	90.00	0.01	7,700.0	1,247.1	-262.7	1,230,402.49	3,189,308.91	39° 57' 49.892 N	104° 49' 28.628 W	
9,400.0	90.00	0.01	7,700.0	1,347.1	-262.7	1,230,502.49	3,189,308.17	39° 57' 50.880 N	104° 49' 28.627 W	
9,500.0	90.00	0.01	7,700.0	1,447.1	-262.7	1,230,602.48	3,189,307.42	39° 57' 51.868 N	104° 49' 28.627 W	
9,600.0	90.00	0.01	7,700.0	1,547.1	-262.6	1,230,702.48	3,189,306.67	39° 57' 52.857 N	104° 49' 28.627 W	
9,700.0	90.00	0.01	7,700.0	1,647.1	-262.6	1,230,802.48	3,189,305.93	39° 57' 53.845 N	104° 49' 28.627 W	
9,800.0	90.00	0.01	7,700.0	1,747.1	-262.6	1,230,902.48	3,189,305.18	39° 57' 54.833 N	104° 49' 28.627 W	
9,900.0	90.00	0.01	7,700.0	1,847.1	-262.6	1,231,002.47	3,189,304.43	39° 57' 55.821 N	104° 49' 28.626 W	
10,000.0	90.00	0.01	7,700.0	1,947.1	-262.6	1,231,102.47	3,189,303.69	39° 57' 56.810 N	104° 49' 28.626 W	
10,100.0	90.00	0.01	7,700.0	2,047.1	-262.6	1,231,202.47	3,189,302.94	39° 57' 57.798 N	104° 49' 28.626 W	
10,200.0	90.00	0.01	7,700.0	2,147.1	-262.5	1,231,302.46	3,189,302.19	39° 57' 58.786 N	104° 49' 28.626 W	
10,300.0	90.00	0.01	7,700.0	2,247.1	-262.5	1,231,402.46	3,189,301.45	39° 57' 59.774 N	104° 49' 28.626 W	
10,400.0	90.00	0.01	7,700.0	2,347.1	-262.5	1,231,502.46	3,189,300.70	39° 58' 0.763 N	104° 49' 28.626 W	
10,500.0	90.00	0.01	7,700.0	2,447.1	-262.5	1,231,602.46	3,189,299.95	39° 58' 1.751 N	104° 49' 28.625 W	
10,600.0	90.00	0.01	7,700.0	2,547.1	-262.5	1,231,702.45	3,189,299.21	39° 58' 2.739 N	104° 49' 28.625 W	

Planning Report - Geographic

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Site Anderson Pad
Company:	Ward Petroleum	TVD Reference:	KB @ 5023.0usft
Project:	West Brighton Adams, CO	MD Reference:	KB @ 5023.0usft
Site:	Anderson Pad	North Reference:	True
Well:	Anderson 18-3-11HC	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
10,700.0	90.00	0.01	7,700.0	2,647.1	-262.5	1,231,802.45	3,189,298.46	39° 58' 3.727 N	104° 49' 28.625 W	
10,800.0	90.00	0.01	7,700.0	2,747.1	-262.4	1,231,902.45	3,189,297.71	39° 58' 4.716 N	104° 49' 28.625 W	
10,900.0	90.00	0.01	7,700.0	2,847.1	-262.4	1,232,002.44	3,189,296.96	39° 58' 5.704 N	104° 49' 28.625 W	
11,000.0	90.00	0.01	7,700.0	2,947.1	-262.4	1,232,102.44	3,189,296.22	39° 58' 6.692 N	104° 49' 28.624 W	
11,100.0	90.00	0.01	7,700.0	3,047.1	-262.4	1,232,202.44	3,189,295.47	39° 58' 7.681 N	104° 49' 28.624 W	
11,200.0	90.00	0.01	7,700.0	3,147.1	-262.4	1,232,302.44	3,189,294.72	39° 58' 8.669 N	104° 49' 28.624 W	
11,300.0	90.00	0.01	7,700.0	3,247.1	-262.4	1,232,402.43	3,189,293.98	39° 58' 9.657 N	104° 49' 28.624 W	
11,400.0	90.00	0.01	7,700.0	3,347.1	-262.4	1,232,502.43	3,189,293.23	39° 58' 10.645 N	104° 49' 28.624 W	
11,500.0	90.00	0.01	7,700.0	3,447.1	-262.3	1,232,602.43	3,189,292.48	39° 58' 11.634 N	104° 49' 28.623 W	
11,600.0	90.00	0.01	7,700.0	3,547.1	-262.3	1,232,702.42	3,189,291.74	39° 58' 12.622 N	104° 49' 28.623 W	
11,700.0	90.00	0.01	7,700.0	3,647.1	-262.3	1,232,802.42	3,189,290.99	39° 58' 13.610 N	104° 49' 28.623 W	
11,800.0	90.00	0.01	7,700.0	3,747.1	-262.3	1,232,902.42	3,189,290.24	39° 58' 14.598 N	104° 49' 28.623 W	
11,900.0	90.00	0.01	7,700.0	3,847.1	-262.3	1,233,002.42	3,189,289.50	39° 58' 15.587 N	104° 49' 28.623 W	
11,926.8	90.00	0.01	7,700.0	3,874.0	-262.3	1,233,029.25	3,189,289.30	39° 58' 15.852 N	104° 49' 28.623 W	
12,000.0	90.00	0.01	7,700.0	3,947.1	-262.3	1,233,102.41	3,189,288.75	39° 58' 16.575 N	104° 49' 28.623 W	
12,100.0	90.00	0.01	7,700.0	4,047.1	-262.2	1,233,202.41	3,189,288.00	39° 58' 17.563 N	104° 49' 28.622 W	
12,101.0	90.00	0.01	7,700.0	4,048.1	-262.2	1,233,203.41	3,189,287.99	39° 58' 17.573 N	104° 49' 28.622 W	

Design Targets										
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
BHL 18-3-11HC - plan hits target center - Point	0.00	0.44	7,700.0	3,874.0	-262.3	1,233,029.25	3,189,289.30	39° 58' 15.852 N	104° 49' 28.623 W	
LP 18-3-11HC - plan hits target center - Point	0.00	0.44	7,700.0	1.3	-262.9	1,229,156.74	3,189,318.22	39° 57' 37.580 N	104° 49' 28.630 W	