



HighPoint Resources

Weld Co., CO (NAD-83/ N-Zn)

Fox Creek 25

#6005D

OH

Plan: Plan #1

Standard Planning Report

26 March, 2020

LEGEND:

- 90° SYMBOL
- PROPOSED WELLHEAD.
- LANDING POINT.
- TARGET BOTTOM HOLE.
- SECTION CORNERS LOCATED. (NAD 83)
- SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.) (NAD 83)

T12N, R63W, 6th P.M.

2011 Alum. Cap.
#9954, 0.8' Below Ground
Lat: 41.001061°
Long: 104.390443°

2011 Alum. Cap.
#9954, State Line
Lat: 41.001061°
Long: 104.390448°

2009 Alum. Cap.
#17492, 0.4' High
Lat: 41.002094°
Long: 104.371319°

2010 Alum. Cap.
#28285, 0.5' Below Road Surface
Lat: 40.987635°
Long: 104.390644°

2012 Alum. Cap.
0.3' High
Lat: 40.987678°
Long: 104.381071°

2010 Alum. Cap.
#17492, 1.2' Below Ground
Lat: 40.987721°
Long: 104.371498°

2012 Alum. Cap.
#28285, 0.5' Below Road Surface
Lat: 40.980528°
Long: 104.390738°

2010 Alum. Cap.
#17492, In Road Intersection
Lat: 40.973422°
Long: 104.390832°

2010 Alum. Cap.
#17492, 0.7' Below Road Surface
Lat: 40.973345°
Long: 104.371676°

LINE TABLE

LINE	DIRECTION	LENGTH
L1	S52°25'20"W	1037.63'

FOX CREEK 25 SE PAD
FOX CREEK 25-6005D
Elev. Ungraded Ground = 5398.7'

Landing Point

PDOP = 2.1



NAD 83 (SURFACE LOCATION)	NAD 83 (LANDING POINT)	NAD 83 (TARGET BOTTOM HOLE)
LATITUDE = 40°58'33.32" (40.975922°)	LATITUDE = 40°58'27.13" (40.974202°)	LATITUDE = 41°00'02.40" (41.000668°)
LONGITUDE = 104°22'37.28" (104.377021°)	LONGITUDE = 104°22'48.05" (104.380015°)	LONGITUDE = 104°22'46.88" (104.379689°)
NAD 27 (SURFACE LOCATION)	NAD 27 (LANDING POINT)	NAD 27 (TARGET BOTTOM HOLE)
LATITUDE = 40°58'33.38" (40.975939°)	LATITUDE = 40°58'27.19" (40.974219°)	LATITUDE = 41°00'02.46" (41.000684°)
LONGITUDE = 104°22'35.44" (104.376510°)	LONGITUDE = 104°22'46.21" (104.379503°)	LONGITUDE = 104°22'45.04" (104.379177°)
STATE PLANE NAD 83 (CO. NORTH)	STATE PLANE NAD 83 (CO. NORTH)	STATE PLANE NAD 83 (CO. NORTH)
N: 1600347.43' E: 3310095.76'	N: 1599710.25' E: 3309277.11'	N: 1609353.66' E: 3309245.25'
STATE PLANE NAD 27 (CO. NORTH)	STATE PLANE NAD 27 (CO. NORTH)	STATE PLANE NAD 27 (CO. NORTH)
N: 600344.99' E: 2310245.23'	N: 599707.82' E: 2309426.57'	N: 609351.06' E: 2309394.78'

BASIS OF BEARINGS

TRANSVERSE MERCATOR PROJECTION WITH
A CENTRAL MERIDIAN OF W105°00'00".

BASIS OF ELEVATION

OPUS SOLUTION GENERATED NAVD 88



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



CERTIFICATION AND REGISTRATION
THIS IS TO CERTIFY THAT THE ABOVE SURVEY WAS PREPARED BY ME AND
NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION
AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY
KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 28285
STATE OF COLORADO
11-20

REV: 2 01-28-20 C.C. (NAME CHANGE, LP & BHL CHANGES)

HIGHPOINT OPERATING CORPORATION

FOX CREEK 25 SE PAD
FOX CREEK 25-6005D
SW 1/4 SE 1/4, SECTION 25, T12N, R63W, 6th P.M.
WELD COUNTY, COLORADO

SURVEYED BY	GREG WEIMER, D.E.	08-20-18	SCALE
DRAWN BY	J.U.	08-31-18	1" = 1000'

WELL LOCATION PLAT



Planning Report

Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #6005D
Company:	HighPoint Resources	TVD Reference:	RKB = 16.5' @ 5415.30usft
Project:	Weld Co., CO (NAD-83/ N-Zn)	MD Reference:	RKB = 16.5' @ 5415.30usft
Site:	Fox Creek 25	North Reference:	True
Well:	#6005D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	Weld Co., CO (NAD-83/ N-Zn)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		Fox Creek 25				
Site Position:		Northing:	1,600,347.48 usft	Latitude:	40.9759230	
From:	Map	Easting:	3,310,080.76 usft	Longitude:	-104.3770754	
Position Uncertainty:		0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.73 °

Well	#6005D					
Well Position	+N/-S	-0.24 usft	Northing:	1,600,347.43 usft	Latitude:	40.9759224
	+E/-W	15.00 usft	Easting:	3,310,095.76 usft	Longitude:	-104.3770211
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	5,398.80 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	03/26/20	7.75	67.30	52,405

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	1,488.60
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	0.54

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
1,488.60	4.44	234.16	1,484.88	-53.01	-75.47	0.00	0.00	0.00	0.00	
1,538.50	4.44	234.16	1,534.63	-55.28	-78.61	0.00	0.00	0.00	0.00	
1,588.50	4.44	234.16	1,584.48	-57.54	-81.74	0.00	0.00	0.00	0.00	
2,471.56	17.28	212.78	2,450.13	-188.44	-180.91	1.50	1.45	-2.42	-28.22	
5,939.19	17.28	212.78	5,761.18	-1,054.67	-738.64	0.00	0.00	0.00	0.00	
7,091.45	0.00	0.54	6,896.04	-1,199.69	-832.02	1.50	-1.50	0.00	180.00	
7,191.45	0.00	0.54	6,996.04	-1,199.69	-832.02	0.00	0.00	0.00	0.00	
8,091.45	90.00	0.54	7,569.00	-626.76	-826.65	10.00	10.00	0.00	0.00	FC 25 6005D LP
17,734.91	90.00	0.54	7,569.00	9,016.28	-736.39	0.00	0.00	0.00	0.00	FC 25 6005D PBHL



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Site:	Fox Creek 25	North Reference:	True
Well:	#6005D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	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
117.60	0.75	140.73	117.60	-0.55	0.45	-0.55	0.64	0.64	0.00
212.60	0.70	158.13	212.59	-1.57	1.06	-1.56	0.24	-0.05	18.32
308.60	1.89	214.91	308.57	-3.41	0.37	-3.41	1.68	1.24	59.15
401.60	2.33	233.54	401.50	-5.80	-2.02	-5.81	0.87	0.47	20.03
497.60	2.86	231.96	497.41	-8.43	-5.48	-8.48	0.56	0.55	-1.65
592.60	4.57	235.92	592.20	-12.01	-10.48	-12.11	1.82	1.80	4.17
687.60	5.58	233.54	686.83	-16.88	-17.33	-17.04	1.09	1.06	-2.51
781.60	5.10	237.24	780.42	-21.86	-24.52	-22.09	0.63	-0.51	3.94
876.60	5.05	237.59	875.05	-26.38	-31.60	-26.68	0.06	-0.05	0.37
971.60	5.19	237.41	969.67	-30.94	-38.75	-31.30	0.15	0.15	-0.19
1,066.60	5.36	233.72	1,064.27	-35.88	-45.95	-36.31	0.40	0.18	-3.88
1,162.60	4.79	242.51	1,159.89	-40.38	-53.12	-40.88	1.00	-0.59	9.16
1,257.60	4.48	239.87	1,254.58	-44.07	-59.85	-44.64	0.40	-0.33	-2.78
1,352.60	4.44	239.34	1,349.29	-47.81	-66.22	-48.43	0.06	-0.04	-0.56
1,447.60	4.53	243.48	1,444.00	-51.36	-72.74	-52.04	0.35	0.09	4.36
1,488.60	4.44	234.16	1,484.88	-53.01	-75.47	-53.72	1.79	-0.22	-22.73
1,500.00	4.44	234.16	1,496.24	-53.53	-76.19	-54.25	0.00	0.00	0.00
1,538.50	4.44	234.16	1,534.63	-55.28	-78.61	-56.01	0.00	0.00	0.00
1,588.50	4.44	234.16	1,584.48	-57.54	-81.74	-58.31	0.00	0.00	0.00
1,600.00	4.59	233.14	1,595.94	-58.08	-82.47	-58.85	1.50	1.33	-8.86
1,700.00	5.97	226.53	1,695.52	-64.06	-89.45	-64.90	1.50	1.37	-6.61
1,800.00	7.39	222.42	1,794.84	-72.38	-97.56	-73.29	1.50	1.42	-4.11
1,900.00	8.84	219.64	1,893.83	-83.04	-106.80	-84.04	1.50	1.45	-2.78
2,000.00	10.30	217.64	1,992.44	-96.04	-117.16	-97.14	1.50	1.46	-2.00
2,100.00	11.77	216.14	2,090.59	-111.35	-128.64	-112.56	1.50	1.47	-1.50
2,200.00	13.25	214.96	2,188.21	-128.99	-141.22	-130.31	1.50	1.48	-1.17
2,300.00	14.73	214.02	2,285.24	-148.92	-154.90	-150.37	1.50	1.48	-0.94
2,400.00	16.22	213.25	2,381.61	-171.14	-169.68	-172.73	1.50	1.49	-0.77
2,471.56	17.28	212.78	2,450.13	-188.44	-180.91	-190.13	1.50	1.49	-0.66
2,500.00	17.28	212.78	2,477.29	-195.54	-185.48	-197.28	0.00	0.00	0.00
2,600.00	17.28	212.78	2,572.77	-220.52	-201.57	-222.41	0.00	0.00	0.00
2,700.00	17.28	212.78	2,668.26	-245.50	-217.65	-247.54	0.00	0.00	0.00
2,800.00	17.28	212.78	2,763.74	-270.48	-233.74	-272.67	0.00	0.00	0.00
2,900.00	17.28	212.78	2,859.23	-295.46	-249.82	-297.80	0.00	0.00	0.00
3,000.00	17.28	212.78	2,954.71	-320.44	-265.90	-322.94	0.00	0.00	0.00
3,100.00	17.28	212.78	3,050.20	-345.42	-281.99	-348.07	0.00	0.00	0.00
3,200.00	17.28	212.78	3,145.68	-370.41	-298.07	-373.20	0.00	0.00	0.00
3,300.00	17.28	212.78	3,241.17	-395.39	-314.16	-398.33	0.00	0.00	0.00
3,400.00	17.28	212.78	3,336.65	-420.37	-330.24	-423.46	0.00	0.00	0.00
3,500.00	17.28	212.78	3,432.13	-445.35	-346.32	-448.59	0.00	0.00	0.00
3,600.00	17.28	212.78	3,527.62	-470.33	-362.41	-473.72	0.00	0.00	0.00
3,700.00	17.28	212.78	3,623.10	-495.31	-378.49	-498.85	0.00	0.00	0.00
3,800.00	17.28	212.78	3,718.59	-520.29	-394.58	-523.98	0.00	0.00	0.00
3,900.00	17.28	212.78	3,814.07	-545.27	-410.66	-549.12	0.00	0.00	0.00
4,000.00	17.28	212.78	3,909.56	-570.25	-426.74	-574.25	0.00	0.00	0.00
4,100.00	17.28	212.78	4,005.04	-595.23	-442.83	-599.38	0.00	0.00	0.00
4,200.00	17.28	212.78	4,100.52	-620.21	-458.91	-624.51	0.00	0.00	0.00
4,300.00	17.28	212.78	4,196.01	-645.19	-475.00	-649.64	0.00	0.00	0.00
4,400.00	17.28	212.78	4,291.49	-670.17	-491.08	-674.77	0.00	0.00	0.00
4,500.00	17.28	212.78	4,386.98	-695.15	-507.16	-699.90	0.00	0.00	0.00
4,600.00	17.28	212.78	4,482.46	-720.13	-523.25	-725.03	0.00	0.00	0.00
4,700.00	17.28	212.78	4,577.95	-745.11	-539.33	-750.16	0.00	0.00	0.00
4,800.00	17.28	212.78	4,673.43	-770.10	-555.42	-775.30	0.00	0.00	0.00



Planning Report

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Well:	#6005D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,900.00	17.28	212.78	4,768.92	-795.08	-571.50	-800.43	0.00	0.00	0.00
5,000.00	17.28	212.78	4,864.40	-820.06	-587.58	-825.56	0.00	0.00	0.00
5,100.00	17.28	212.78	4,959.88	-845.04	-603.67	-850.69	0.00	0.00	0.00
5,200.00	17.28	212.78	5,055.37	-870.02	-619.75	-875.82	0.00	0.00	0.00
5,300.00	17.28	212.78	5,150.85	-895.00	-635.84	-900.95	0.00	0.00	0.00
5,400.00	17.28	212.78	5,246.34	-919.98	-651.92	-926.08	0.00	0.00	0.00
5,500.00	17.28	212.78	5,341.82	-944.96	-668.00	-951.21	0.00	0.00	0.00
5,600.00	17.28	212.78	5,437.31	-969.94	-684.09	-976.35	0.00	0.00	0.00
5,700.00	17.28	212.78	5,532.79	-994.92	-700.17	-1,001.48	0.00	0.00	0.00
5,800.00	17.28	212.78	5,628.28	-1,019.90	-716.26	-1,026.61	0.00	0.00	0.00
5,900.00	17.28	212.78	5,723.76	-1,044.88	-732.34	-1,051.74	0.00	0.00	0.00
5,939.19	17.28	212.78	5,761.18	-1,054.67	-738.64	-1,061.59	0.00	0.00	0.00
6,000.00	16.37	212.78	5,819.39	-1,069.47	-748.17	-1,076.48	1.50	-1.50	0.00
6,100.00	14.87	212.78	5,915.69	-1,092.11	-762.75	-1,099.26	1.50	-1.50	0.00
6,200.00	13.37	212.78	6,012.66	-1,112.63	-775.96	-1,119.89	1.50	-1.50	0.00
6,300.00	11.87	212.78	6,110.24	-1,131.00	-787.79	-1,138.37	1.50	-1.50	0.00
6,400.00	10.37	212.78	6,208.36	-1,147.22	-798.23	-1,154.69	1.50	-1.50	0.00
6,500.00	8.87	212.78	6,306.95	-1,161.27	-807.28	-1,168.83	1.50	-1.50	0.00
6,600.00	7.37	212.78	6,405.95	-1,173.15	-814.93	-1,180.78	1.50	-1.50	0.00
6,700.00	5.87	212.78	6,505.28	-1,182.84	-821.17	-1,190.53	1.50	-1.50	0.00
6,800.00	4.37	212.78	6,604.88	-1,190.35	-826.00	-1,198.08	1.50	-1.50	0.00
6,900.00	2.87	212.78	6,704.67	-1,195.66	-829.42	-1,203.43	1.50	-1.50	0.00
7,000.00	1.37	212.78	6,804.60	-1,198.77	-831.42	-1,206.56	1.50	-1.50	0.00
7,091.45	0.00	0.54	6,896.04	-1,199.69	-832.02	-1,207.48	1.50	-1.50	0.00
7,100.00	0.00	0.00	6,904.59	-1,199.69	-832.02	-1,207.48	0.00	0.00	0.00
7,191.45	0.00	0.54	6,996.04	-1,199.69	-832.02	-1,207.48	0.00	0.00	0.00
7,200.00	0.86	0.54	7,004.59	-1,199.63	-832.02	-1,207.42	10.00	10.00	0.00
7,250.00	5.86	0.54	7,054.49	-1,196.71	-831.99	-1,204.49	10.00	10.00	0.00
7,300.00	10.86	0.54	7,103.95	-1,189.44	-831.92	-1,197.23	10.00	10.00	0.00
7,350.00	15.86	0.54	7,152.58	-1,177.90	-831.81	-1,185.68	10.00	10.00	0.00
7,400.00	20.86	0.54	7,200.02	-1,162.16	-831.66	-1,169.94	10.00	10.00	0.00
7,450.00	25.86	0.54	7,245.91	-1,142.34	-831.48	-1,150.13	10.00	10.00	0.00
7,500.00	30.86	0.54	7,289.89	-1,118.61	-831.26	-1,126.39	10.00	10.00	0.00
7,550.00	35.86	0.54	7,331.65	-1,091.12	-831.00	-1,098.91	10.00	10.00	0.00
7,600.00	40.86	0.54	7,370.84	-1,060.11	-830.71	-1,067.89	10.00	10.00	0.00
7,650.00	45.86	0.54	7,407.19	-1,025.79	-830.39	-1,033.58	10.00	10.00	0.00
7,700.00	50.86	0.54	7,440.40	-988.44	-830.04	-996.22	10.00	10.00	0.00
7,750.00	55.86	0.54	7,470.23	-948.34	-829.66	-956.12	10.00	10.00	0.00
7,800.00	60.86	0.54	7,496.46	-905.79	-829.27	-913.57	10.00	10.00	0.00
7,850.00	65.86	0.54	7,518.87	-861.12	-828.85	-868.89	10.00	10.00	0.00
7,900.00	70.86	0.54	7,537.31	-814.66	-828.41	-822.43	10.00	10.00	0.00
7,950.00	75.86	0.54	7,551.63	-766.77	-827.96	-774.54	10.00	10.00	0.00
8,000.00	80.86	0.54	7,561.72	-717.82	-827.51	-725.59	10.00	10.00	0.00
8,050.00	85.86	0.54	7,567.50	-668.17	-827.04	-675.94	10.00	10.00	0.00
8,091.45	90.00	0.54	7,569.00	-626.76	-826.65	-634.52	10.00	10.00	0.00
8,100.00	90.00	0.54	7,569.00	-618.21	-826.57	-625.97	0.00	0.00	0.00
8,200.00	90.00	0.54	7,569.00	-518.22	-825.64	-525.97	0.00	0.00	0.00
8,300.00	90.00	0.54	7,569.00	-418.22	-824.70	-425.97	0.00	0.00	0.00
8,400.00	90.00	0.54	7,569.00	-318.22	-823.77	-325.97	0.00	0.00	0.00
8,500.00	90.00	0.54	7,569.00	-218.23	-822.83	-225.97	0.00	0.00	0.00
8,600.00	90.00	0.54	7,569.00	-118.23	-821.89	-125.97	0.00	0.00	0.00
8,700.00	90.00	0.54	7,569.00	-18.24	-820.96	-25.97	0.00	0.00	0.00
8,800.00	90.00	0.54	7,569.00	81.76	-820.02	74.03	0.00	0.00	0.00
8,900.00	90.00	0.54	7,569.00	181.75	-819.09	174.03	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #6005D
Company:	HighPoint Resources	TVD Reference:	RKB = 16.5' @ 5415.30usft
Project:	Weld Co., CO (NAD-83/ N-Zn)	MD Reference:	RKB = 16.5' @ 5415.30usft
Site:	Fox Creek 25	North Reference:	True
Well:	#6005D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,000.00	90.00	0.54	7,569.00	281.75	-818.15	274.03	0.00	0.00	0.00	
9,100.00	90.00	0.54	7,569.00	381.75	-817.21	374.03	0.00	0.00	0.00	
9,200.00	90.00	0.54	7,569.00	481.74	-816.28	474.03	0.00	0.00	0.00	
9,300.00	90.00	0.54	7,569.00	581.74	-815.34	574.03	0.00	0.00	0.00	
9,400.00	90.00	0.54	7,569.00	681.73	-814.41	674.03	0.00	0.00	0.00	
9,500.00	90.00	0.54	7,569.00	781.73	-813.47	774.03	0.00	0.00	0.00	
9,600.00	90.00	0.54	7,569.00	881.72	-812.53	874.03	0.00	0.00	0.00	
9,700.00	90.00	0.54	7,569.00	981.72	-811.60	974.03	0.00	0.00	0.00	
9,800.00	90.00	0.54	7,569.00	1,081.71	-810.66	1,074.03	0.00	0.00	0.00	
9,900.00	90.00	0.54	7,569.00	1,181.71	-809.73	1,174.03	0.00	0.00	0.00	
10,000.00	90.00	0.54	7,569.00	1,281.71	-808.79	1,274.03	0.00	0.00	0.00	
10,100.00	90.00	0.54	7,569.00	1,381.70	-807.85	1,374.03	0.00	0.00	0.00	
10,200.00	90.00	0.54	7,569.00	1,481.70	-806.92	1,474.03	0.00	0.00	0.00	
10,300.00	90.00	0.54	7,569.00	1,581.69	-805.98	1,574.03	0.00	0.00	0.00	
10,400.00	90.00	0.54	7,569.00	1,681.69	-805.05	1,674.03	0.00	0.00	0.00	
10,500.00	90.00	0.54	7,569.00	1,781.68	-804.11	1,774.03	0.00	0.00	0.00	
10,600.00	90.00	0.54	7,569.00	1,881.68	-803.17	1,874.03	0.00	0.00	0.00	
10,700.00	90.00	0.54	7,569.00	1,981.68	-802.24	1,974.03	0.00	0.00	0.00	
10,800.00	90.00	0.54	7,569.00	2,081.67	-801.30	2,074.03	0.00	0.00	0.00	
10,900.00	90.00	0.54	7,569.00	2,181.67	-800.37	2,174.03	0.00	0.00	0.00	
11,000.00	90.00	0.54	7,569.00	2,281.66	-799.43	2,274.03	0.00	0.00	0.00	
11,100.00	90.00	0.54	7,569.00	2,381.66	-798.49	2,374.03	0.00	0.00	0.00	
11,200.00	90.00	0.54	7,569.00	2,481.65	-797.56	2,474.03	0.00	0.00	0.00	
11,300.00	90.00	0.54	7,569.00	2,581.65	-796.62	2,574.03	0.00	0.00	0.00	
11,400.00	90.00	0.54	7,569.00	2,681.64	-795.69	2,674.03	0.00	0.00	0.00	
11,500.00	90.00	0.54	7,569.00	2,781.64	-794.75	2,774.03	0.00	0.00	0.00	
11,600.00	90.00	0.54	7,569.00	2,881.64	-793.81	2,874.03	0.00	0.00	0.00	
11,700.00	90.00	0.54	7,569.00	2,981.63	-792.88	2,974.03	0.00	0.00	0.00	
11,800.00	90.00	0.54	7,569.00	3,081.63	-791.94	3,074.03	0.00	0.00	0.00	
11,900.00	90.00	0.54	7,569.00	3,181.62	-791.01	3,174.03	0.00	0.00	0.00	
12,000.00	90.00	0.54	7,569.00	3,281.62	-790.07	3,274.03	0.00	0.00	0.00	
12,100.00	90.00	0.54	7,569.00	3,381.61	-789.13	3,374.03	0.00	0.00	0.00	
12,200.00	90.00	0.54	7,569.00	3,481.61	-788.20	3,474.03	0.00	0.00	0.00	
12,300.00	90.00	0.54	7,569.00	3,581.61	-787.26	3,574.03	0.00	0.00	0.00	
12,400.00	90.00	0.54	7,569.00	3,681.60	-786.33	3,674.03	0.00	0.00	0.00	
12,500.00	90.00	0.54	7,569.00	3,781.60	-785.39	3,774.03	0.00	0.00	0.00	
12,600.00	90.00	0.54	7,569.00	3,881.59	-784.45	3,874.03	0.00	0.00	0.00	
12,700.00	90.00	0.54	7,569.00	3,981.59	-783.52	3,974.03	0.00	0.00	0.00	
12,800.00	90.00	0.54	7,569.00	4,081.58	-782.58	4,074.03	0.00	0.00	0.00	
12,900.00	90.00	0.54	7,569.00	4,181.58	-781.65	4,174.03	0.00	0.00	0.00	
13,000.00	90.00	0.54	7,569.00	4,281.57	-780.71	4,274.03	0.00	0.00	0.00	
13,100.00	90.00	0.54	7,569.00	4,381.57	-779.77	4,374.03	0.00	0.00	0.00	
13,200.00	90.00	0.54	7,569.00	4,481.57	-778.84	4,474.03	0.00	0.00	0.00	
13,300.00	90.00	0.54	7,569.00	4,581.56	-777.90	4,574.03	0.00	0.00	0.00	
13,400.00	90.00	0.54	7,569.00	4,681.56	-776.96	4,674.03	0.00	0.00	0.00	
13,500.00	90.00	0.54	7,569.00	4,781.55	-776.03	4,774.03	0.00	0.00	0.00	
13,600.00	90.00	0.54	7,569.00	4,881.55	-775.09	4,874.03	0.00	0.00	0.00	
13,700.00	90.00	0.54	7,569.00	4,981.54	-774.16	4,974.03	0.00	0.00	0.00	
13,800.00	90.00	0.54	7,569.00	5,081.54	-773.22	5,074.03	0.00	0.00	0.00	
13,900.00	90.00	0.54	7,569.00	5,181.54	-772.28	5,174.03	0.00	0.00	0.00	
14,000.00	90.00	0.54	7,569.00	5,281.53	-771.35	5,274.03	0.00	0.00	0.00	
14,100.00	90.00	0.54	7,569.00	5,381.53	-770.41	5,374.03	0.00	0.00	0.00	
14,200.00	90.00	0.54	7,569.00	5,481.52	-769.48	5,474.03	0.00	0.00	0.00	
14,300.00	90.00	0.54	7,569.00	5,581.52	-768.54	5,574.03	0.00	0.00	0.00	



Planning Report

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Project:	Weld Co., CO (NAD-83/ N-Zn)	MD Reference:	RKB = 16.5' @ 5415.30usft
Site:	Fox Creek 25	North Reference:	True
Well:	#6005D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,400.00	90.00	0.54	7,569.00	5,681.51	-767.60	5,674.03	0.00	0.00	0.00
14,500.00	90.00	0.54	7,569.00	5,781.51	-766.67	5,774.03	0.00	0.00	0.00
14,600.00	90.00	0.54	7,569.00	5,881.50	-765.73	5,874.03	0.00	0.00	0.00
14,700.00	90.00	0.54	7,569.00	5,981.50	-764.80	5,974.03	0.00	0.00	0.00
14,800.00	90.00	0.54	7,569.00	6,081.50	-763.86	6,074.03	0.00	0.00	0.00
14,900.00	90.00	0.54	7,569.00	6,181.49	-762.92	6,174.03	0.00	0.00	0.00
15,000.00	90.00	0.54	7,569.00	6,281.49	-761.99	6,274.03	0.00	0.00	0.00
15,100.00	90.00	0.54	7,569.00	6,381.48	-761.05	6,374.03	0.00	0.00	0.00
15,200.00	90.00	0.54	7,569.00	6,481.48	-760.12	6,474.03	0.00	0.00	0.00
15,300.00	90.00	0.54	7,569.00	6,581.47	-759.18	6,574.03	0.00	0.00	0.00
15,400.00	90.00	0.54	7,569.00	6,681.47	-758.24	6,674.03	0.00	0.00	0.00
15,500.00	90.00	0.54	7,569.00	6,781.47	-757.31	6,774.03	0.00	0.00	0.00
15,600.00	90.00	0.54	7,569.00	6,881.46	-756.37	6,874.03	0.00	0.00	0.00
15,700.00	90.00	0.54	7,569.00	6,981.46	-755.44	6,974.03	0.00	0.00	0.00
15,800.00	90.00	0.54	7,569.00	7,081.45	-754.50	7,074.03	0.00	0.00	0.00
15,900.00	90.00	0.54	7,569.00	7,181.45	-753.56	7,174.03	0.00	0.00	0.00
16,000.00	90.00	0.54	7,569.00	7,281.44	-752.63	7,274.03	0.00	0.00	0.00
16,100.00	90.00	0.54	7,569.00	7,381.44	-751.69	7,374.03	0.00	0.00	0.00
16,200.00	90.00	0.54	7,569.00	7,481.43	-750.76	7,474.03	0.00	0.00	0.00
16,300.00	90.00	0.54	7,569.00	7,581.43	-749.82	7,574.03	0.00	0.00	0.00
16,400.00	90.00	0.54	7,569.00	7,681.43	-748.88	7,674.03	0.00	0.00	0.00
16,500.00	90.00	0.54	7,569.00	7,781.42	-747.95	7,774.03	0.00	0.00	0.00
16,600.00	90.00	0.54	7,569.00	7,881.42	-747.01	7,874.03	0.00	0.00	0.00
16,700.00	90.00	0.54	7,569.00	7,981.41	-746.08	7,974.03	0.00	0.00	0.00
16,800.00	90.00	0.54	7,569.00	8,081.41	-745.14	8,074.03	0.00	0.00	0.00
16,900.00	90.00	0.54	7,569.00	8,181.40	-744.20	8,174.03	0.00	0.00	0.00
17,000.00	90.00	0.54	7,569.00	8,281.40	-743.27	8,274.03	0.00	0.00	0.00
17,100.00	90.00	0.54	7,569.00	8,381.40	-742.33	8,374.03	0.00	0.00	0.00
17,200.00	90.00	0.54	7,569.00	8,481.39	-741.40	8,474.03	0.00	0.00	0.00
17,300.00	90.00	0.54	7,569.00	8,581.39	-740.46	8,574.03	0.00	0.00	0.00
17,400.00	90.00	0.54	7,569.00	8,681.38	-739.52	8,674.03	0.00	0.00	0.00
17,500.00	90.00	0.54	7,569.00	8,781.38	-738.59	8,774.03	0.00	0.00	0.00
17,600.00	90.00	0.54	7,569.00	8,881.37	-737.65	8,874.03	0.00	0.00	0.00
17,700.00	90.00	0.54	7,569.00	8,981.37	-736.72	8,974.03	0.00	0.00	0.00
17,734.91	90.00	0.54	7,569.00	9,016.28	-736.39	9,008.94	0.00	0.00	0.00

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target - Shape									
FC 25 6005D SHL: 93 - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	1,600,347.43	3,310,095.76	40.9759224	-104.3770211
FC 25 6005D LP - plan hits target center - Point	0.00	0.00	7,569.00	-626.76	-826.65	1,599,710.25	3,309,277.11	40.9742021	-104.3800146
FC 25 6005D PBHL: 5 - plan hits target center - Point	0.00	0.00	7,569.00	9,016.28	-736.39	1,609,353.66	3,309,245.25	41.0006676	-104.3796887



Planning Report

Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #6005D
Company:	HighPoint Resources	TVD Reference:	RKB = 16.5' @ 5415.30usft
Project:	Weld Co., CO (NAD-83/ N-Zn)	MD Reference:	RKB = 16.5' @ 5415.30usft
Site:	Fox Creek 25	North Reference:	True
Well:	#6005D	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		