



PROJECT DETAILS: Weld County, CO (NAD83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Mean Sea Level
Local North: True

HighPoint Resources
Project: Weld County, CO (NAD83)
Site: Sec 25-T06W-R62W
Well: PURCELL 6-62-25-5906B
Wellbore: Wellbore #1
Plan: Plan #1 (PURCELL 6-62-25-5906B/Wellbore #1)
Cade 23

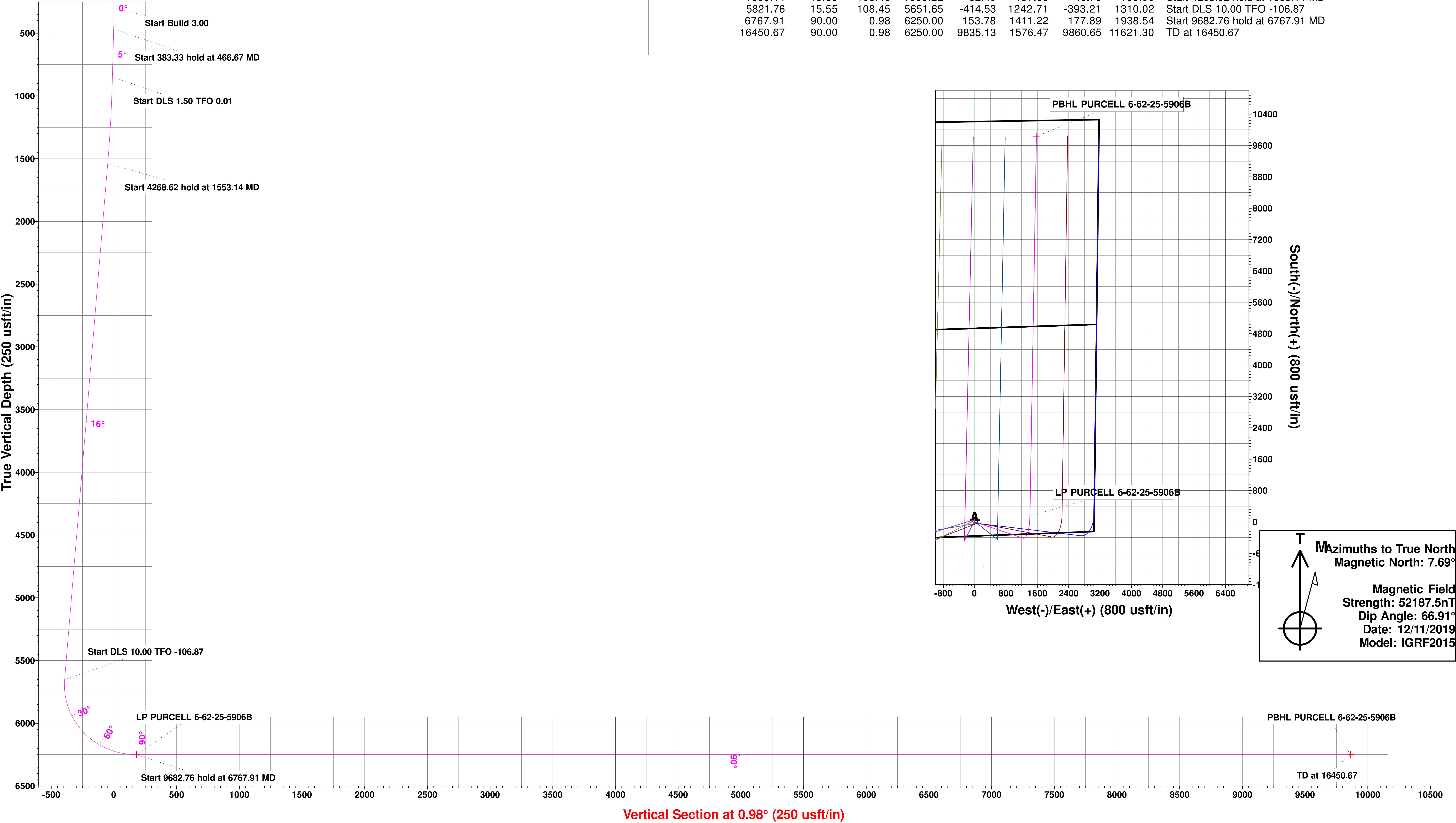
WELL DETAILS: PURCELL 6-62-25-5906B

Ground Elevation:: 4666.70
RKB Elevation: KB @ 4683.20usft (Cade 23)
Rig Name: Cade 23



ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	Start Build 3.00
466.67	5.00	108.44	466.46	-2.30	6.89	-2.18	7.27	Start 383.33 hold at 466.67 MD
850.00	5.00	108.44	848.33	-12.87	38.59	-12.20	40.68	Start DLS 1.50 TFO 0.01
1553.14	15.55	108.45	1539.22	-52.49	157.38	-49.79	165.90	Start 4268.62 hold at 1553.14 MD
5821.76	15.55	108.45	5651.65	-414.53	1242.71	-393.21	1310.02	Start DLS 10.00 TFO -106.87
6767.91	90.00	0.98	6250.00	153.78	1411.22	177.89	1938.54	Start 9682.76 hold at 6767.91 MD
16450.67	90.00	0.98	6250.00	9835.13	1576.47	9860.65	11621.30	TD at 16450.67



HighPoint Resources

Weld County, CO (NAD83)

Sec 25-T06W-R62W

PURCELL 6-62-25-5906B

Wellbore #1

Plan: Plan #1

Standard Planning Report

20 December, 2019

Planning Report

Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well PURCELL 6-62-25-5906B
Company:	HighPoint Resources	TVD Reference:	KB @ 4683.20usft (Cade 23)
Project:	Weld County, CO (NAD83)	MD Reference:	KB @ 4683.20usft (Cade 23)
Site:	Sec 25-T06W-R62W	North Reference:	True
Well:	PURCELL 6-62-25-5906B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Project	Weld County, CO (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		Sec 25-T06W-R62W			
Site Position:		Northing:	1,409,572.50 usft	Latitude:	40.451278
From:	Map	Easting:	3,339,223.85 usft	Longitude:	-104.281046
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.79 °

Well	PURCELL 6-62-25-5906B					
Well Position	+N/-S	443.82 usft	Northing:	1,410,047.30 usft	Latitude:	40.452496
	+E/-W	2,257.25 usft	Easting:	3,341,474.78 usft	Longitude:	-104.272935
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	4,666.70 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/11/2019	7.69	66.91	52,187.46728290

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	0.98

Plan Survey Tool Program	Date	12/20/2019			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	16,450.67	Plan #1 (Wellbore #1)	MWD	
				MWD - Standard	

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
466.67	5.00	108.44	466.46	-2.30	6.89	3.00	3.00	0.00	108.44	
850.00	5.00	108.44	848.33	-12.87	38.59	0.00	0.00	0.00	0.00	
1,553.14	15.55	108.45	1,539.22	-52.49	157.38	1.50	1.50	0.00	0.01	
5,821.76	15.55	108.45	5,651.65	-414.53	1,242.71	0.00	0.00	0.00	0.00	
6,767.91	90.00	0.98	6,250.00	153.78	1,411.22	10.00	7.87	-11.36	-106.87	LP PURCELL 6-62-25
16,450.67	90.00	0.98	6,250.00	9,835.13	1,576.47	0.00	0.00	0.00	0.00	PBHL PURCELL 6-62

Planning Report

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Company:	HighPoint Resources	TVD Reference:	KB @ 4683.20usft (Cade 23)
Project:	Weld County, CO (NAD83)	MD Reference:	KB @ 4683.20usft (Cade 23)
Site:	Sec 25-T06W-R62W	North Reference:	True
Well:	PURCELL 6-62-25-5906B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
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
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 3.00									
400.00	3.00	108.44	399.95	-0.83	2.48	-0.79	3.00	3.00	0.00
466.67	5.00	108.44	466.46	-2.30	6.89	-2.18	3.00	3.00	0.00
Start 383.33 hold at 466.67 MD									
500.00	5.00	108.44	499.66	-3.22	9.65	-3.05	0.00	0.00	0.00
600.00	5.00	108.44	599.28	-5.97	17.92	-5.67	0.00	0.00	0.00
700.00	5.00	108.44	698.90	-8.73	26.19	-8.28	0.00	0.00	0.00
800.00	5.00	108.44	798.52	-11.49	34.45	-10.90	0.00	0.00	0.00
850.00	5.00	108.44	848.33	-12.87	38.59	-12.20	0.00	0.00	0.00
Start DLS 1.50 TFO 0.01									
900.00	5.75	108.44	898.11	-14.35	43.03	-13.61	1.50	1.50	0.00
1,000.00	7.25	108.44	997.46	-17.93	53.77	-17.01	1.50	1.50	0.00
1,100.00	8.75	108.44	1,096.49	-22.33	66.97	-21.18	1.50	1.50	0.00
1,200.00	10.25	108.45	1,195.11	-27.55	82.63	-26.14	1.50	1.50	0.00
1,300.00	11.75	108.45	1,293.27	-33.59	100.73	-31.86	1.50	1.50	0.00
1,400.00	13.25	108.45	1,390.90	-40.44	121.26	-38.36	1.50	1.50	0.00
1,500.00	14.75	108.45	1,487.93	-48.09	144.21	-45.62	1.50	1.50	0.00
1,553.14	15.55	108.45	1,539.22	-52.49	157.38	-49.79	1.50	1.50	0.00
Start 4268.62 hold at 1553.14 MD									
1,600.00	15.55	108.45	1,584.37	-56.46	169.30	-53.56	0.00	0.00	0.00
1,700.00	15.55	108.45	1,680.71	-64.94	194.72	-61.60	0.00	0.00	0.00
1,800.00	15.55	108.45	1,777.05	-73.43	220.15	-69.65	0.00	0.00	0.00
1,900.00	15.55	108.45	1,873.39	-81.91	245.57	-77.70	0.00	0.00	0.00
2,000.00	15.55	108.45	1,969.73	-90.39	271.00	-85.74	0.00	0.00	0.00
2,100.00	15.55	108.45	2,066.07	-98.87	296.43	-93.79	0.00	0.00	0.00
2,200.00	15.55	108.45	2,162.41	-107.35	321.85	-101.83	0.00	0.00	0.00
2,300.00	15.55	108.45	2,258.75	-115.83	347.28	-109.88	0.00	0.00	0.00
2,400.00	15.55	108.45	2,355.09	-124.31	372.70	-117.92	0.00	0.00	0.00
2,500.00	15.55	108.45	2,451.44	-132.80	398.13	-125.97	0.00	0.00	0.00
2,600.00	15.55	108.45	2,547.78	-141.28	423.55	-134.01	0.00	0.00	0.00
2,700.00	15.55	108.45	2,644.12	-149.76	448.98	-142.06	0.00	0.00	0.00
2,800.00	15.55	108.45	2,740.46	-158.24	474.41	-150.10	0.00	0.00	0.00
2,900.00	15.55	108.45	2,836.80	-166.72	499.83	-158.15	0.00	0.00	0.00
3,000.00	15.55	108.45	2,933.14	-175.20	525.26	-166.19	0.00	0.00	0.00
3,100.00	15.55	108.45	3,029.48	-183.68	550.68	-174.24	0.00	0.00	0.00
3,200.00	15.55	108.45	3,125.82	-192.17	576.11	-182.28	0.00	0.00	0.00
3,300.00	15.55	108.45	3,222.16	-200.65	601.53	-190.33	0.00	0.00	0.00
3,400.00	15.55	108.45	3,318.50	-209.13	626.96	-198.37	0.00	0.00	0.00
3,500.00	15.55	108.45	3,414.85	-217.61	652.39	-206.42	0.00	0.00	0.00
3,600.00	15.55	108.45	3,511.19	-226.09	677.81	-214.47	0.00	0.00	0.00
3,700.00	15.55	108.45	3,607.53	-234.57	703.24	-222.51	0.00	0.00	0.00
3,800.00	15.55	108.45	3,703.87	-243.05	728.66	-230.56	0.00	0.00	0.00
3,900.00	15.55	108.45	3,800.21	-251.54	754.09	-238.60	0.00	0.00	0.00
4,000.00	15.55	108.45	3,896.55	-260.02	779.52	-246.65	0.00	0.00	0.00
4,100.00	15.55	108.45	3,992.89	-268.50	804.94	-254.69	0.00	0.00	0.00
4,200.00	15.55	108.45	4,089.23	-276.98	830.37	-262.74	0.00	0.00	0.00
4,300.00	15.55	108.45	4,185.57	-285.46	855.79	-270.78	0.00	0.00	0.00
4,400.00	15.55	108.45	4,281.91	-293.94	881.22	-278.83	0.00	0.00	0.00
4,500.00	15.55	108.45	4,378.26	-302.42	906.64	-286.87	0.00	0.00	0.00

Planning Report

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Project:	Weld County, CO (NAD83)	MD Reference:	KB @ 4683.20usft (Cade 23)
Site:	Sec 25-T06W-R62W	North Reference:	True
Well:	PURCELL 6-62-25-5906B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
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)	
4,600.00	15.55	108.45	4,474.60	-310.91	932.07	-294.92	0.00	0.00	0.00	
4,700.00	15.55	108.45	4,570.94	-319.39	957.50	-302.96	0.00	0.00	0.00	
4,800.00	15.55	108.45	4,667.28	-327.87	982.92	-311.01	0.00	0.00	0.00	
4,900.00	15.55	108.45	4,763.62	-336.35	1,008.35	-319.05	0.00	0.00	0.00	
5,000.00	15.55	108.45	4,859.96	-344.83	1,033.77	-327.10	0.00	0.00	0.00	
5,100.00	15.55	108.45	4,956.30	-353.31	1,059.20	-335.14	0.00	0.00	0.00	
5,200.00	15.55	108.45	5,052.64	-361.79	1,084.62	-343.19	0.00	0.00	0.00	
5,300.00	15.55	108.45	5,148.98	-370.28	1,110.05	-351.24	0.00	0.00	0.00	
5,400.00	15.55	108.45	5,245.33	-378.76	1,135.48	-359.28	0.00	0.00	0.00	
5,500.00	15.55	108.45	5,341.67	-387.24	1,160.90	-367.33	0.00	0.00	0.00	
5,600.00	15.55	108.45	5,438.01	-395.72	1,186.33	-375.37	0.00	0.00	0.00	
5,700.00	15.55	108.45	5,534.35	-404.20	1,211.75	-383.42	0.00	0.00	0.00	
5,800.00	15.55	108.45	5,630.69	-412.68	1,237.18	-391.46	0.00	0.00	0.00	
5,821.76	15.55	108.45	5,651.65	-414.53	1,242.71	-393.21	0.00	0.00	0.00	
Start DLS 10.00 TFO -106.87										
5,850.00	14.97	97.93	5,678.90	-416.23	1,249.92	-394.79	10.00	-2.05	-37.25	
5,900.00	15.20	78.65	5,727.21	-415.83	1,262.74	-394.17	10.00	0.46	-38.56	
5,950.00	16.93	61.62	5,775.28	-411.08	1,275.58	-389.20	10.00	3.47	-34.05	
6,000.00	19.78	48.52	5,822.75	-402.00	1,288.34	-379.91	10.00	5.70	-26.21	
6,050.00	23.34	38.92	5,869.26	-388.68	1,300.91	-366.38	10.00	7.12	-19.19	
6,100.00	27.34	31.87	5,914.45	-371.21	1,313.20	-348.70	10.00	7.98	-14.11	
6,150.00	31.60	26.53	5,957.98	-349.73	1,325.12	-327.02	10.00	8.52	-10.66	
6,200.00	36.03	22.38	5,999.52	-324.40	1,336.58	-301.49	10.00	8.87	-8.32	
6,250.00	40.58	19.03	6,038.75	-295.41	1,347.49	-272.32	10.00	9.10	-6.70	
6,300.00	45.21	16.25	6,075.37	-262.98	1,357.76	-239.71	10.00	9.26	-5.55	
6,350.00	49.90	13.89	6,109.11	-227.35	1,367.32	-203.94	10.00	9.38	-4.72	
6,400.00	54.63	11.84	6,139.70	-188.81	1,376.10	-165.25	10.00	9.46	-4.11	
6,450.00	59.39	10.01	6,166.92	-147.65	1,384.03	-123.95	10.00	9.52	-3.65	
6,500.00	64.17	8.36	6,190.55	-104.17	1,391.04	-80.36	10.00	9.57	-3.31	
6,550.00	68.97	6.83	6,210.43	-58.70	1,397.09	-34.80	10.00	9.60	-3.05	
6,600.00	73.79	5.40	6,226.39	-11.61	1,402.13	12.38	10.00	9.63	-2.86	
6,650.00	78.61	4.04	6,238.31	36.77	1,406.12	60.81	10.00	9.64	-2.72	
6,700.00	83.44	2.73	6,246.11	86.06	1,409.04	110.14	10.00	9.66	-2.63	
6,750.00	88.27	1.44	6,249.73	135.88	1,410.85	159.99	10.00	9.66	-2.58	
6,767.91	90.00	0.98	6,250.00	153.78	1,411.22	177.89	10.00	9.67	-2.57	
Start 9682.76 hold at 6767.91 MD										
6,800.00	90.00	0.98	6,250.00	185.86	1,411.77	209.98	0.00	0.00	0.00	
6,900.00	90.00	0.98	6,250.00	285.85	1,413.48	309.98	0.00	0.00	0.00	
7,000.00	90.00	0.98	6,250.00	385.84	1,415.18	409.98	0.00	0.00	0.00	
7,100.00	90.00	0.98	6,250.00	485.82	1,416.89	509.98	0.00	0.00	0.00	
7,200.00	90.00	0.98	6,250.00	585.81	1,418.60	609.98	0.00	0.00	0.00	
7,300.00	90.00	0.98	6,250.00	685.79	1,420.30	709.98	0.00	0.00	0.00	
7,400.00	90.00	0.98	6,250.00	785.78	1,422.01	809.98	0.00	0.00	0.00	
7,500.00	90.00	0.98	6,250.00	885.76	1,423.72	909.98	0.00	0.00	0.00	
7,600.00	90.00	0.98	6,250.00	985.75	1,425.42	1,009.98	0.00	0.00	0.00	
7,700.00	90.00	0.98	6,250.00	1,085.73	1,427.13	1,109.98	0.00	0.00	0.00	
7,800.00	90.00	0.98	6,250.00	1,185.72	1,428.84	1,209.98	0.00	0.00	0.00	
7,900.00	90.00	0.98	6,250.00	1,285.70	1,430.54	1,309.98	0.00	0.00	0.00	
8,000.00	90.00	0.98	6,250.00	1,385.69	1,432.25	1,409.98	0.00	0.00	0.00	
8,100.00	90.00	0.98	6,250.00	1,485.68	1,433.96	1,509.98	0.00	0.00	0.00	
8,200.00	90.00	0.98	6,250.00	1,585.66	1,435.66	1,609.98	0.00	0.00	0.00	
8,300.00	90.00	0.98	6,250.00	1,685.65	1,437.37	1,709.98	0.00	0.00	0.00	
8,400.00	90.00	0.98	6,250.00	1,785.63	1,439.08	1,809.98	0.00	0.00	0.00	

Planning Report

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Project:	Weld County, CO (NAD83)	MD Reference:	KB @ 4683.20usft (Cade 23)
Site:	Sec 25-T06W-R62W	North Reference:	True
Well:	PURCELL 6-62-25-5906B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
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)	
8,500.00	90.00	0.98	6,250.00	1,885.62	1,440.78	1,909.98	0.00	0.00	0.00	
8,600.00	90.00	0.98	6,250.00	1,985.60	1,442.49	2,009.98	0.00	0.00	0.00	
8,700.00	90.00	0.98	6,250.00	2,085.59	1,444.20	2,109.98	0.00	0.00	0.00	
8,800.00	90.00	0.98	6,250.00	2,185.57	1,445.90	2,209.98	0.00	0.00	0.00	
8,900.00	90.00	0.98	6,250.00	2,285.56	1,447.61	2,309.98	0.00	0.00	0.00	
9,000.00	90.00	0.98	6,250.00	2,385.54	1,449.32	2,409.98	0.00	0.00	0.00	
9,100.00	90.00	0.98	6,250.00	2,485.53	1,451.02	2,509.98	0.00	0.00	0.00	
9,200.00	90.00	0.98	6,250.00	2,585.52	1,452.73	2,609.98	0.00	0.00	0.00	
9,300.00	90.00	0.98	6,250.00	2,685.50	1,454.44	2,709.98	0.00	0.00	0.00	
9,400.00	90.00	0.98	6,250.00	2,785.49	1,456.14	2,809.98	0.00	0.00	0.00	
9,500.00	90.00	0.98	6,250.00	2,885.47	1,457.85	2,909.98	0.00	0.00	0.00	
9,600.00	90.00	0.98	6,250.00	2,985.46	1,459.56	3,009.98	0.00	0.00	0.00	
9,700.00	90.00	0.98	6,250.00	3,085.44	1,461.26	3,109.98	0.00	0.00	0.00	
9,800.00	90.00	0.98	6,250.00	3,185.43	1,462.97	3,209.98	0.00	0.00	0.00	
9,900.00	90.00	0.98	6,250.00	3,285.41	1,464.68	3,309.98	0.00	0.00	0.00	
10,000.00	90.00	0.98	6,250.00	3,385.40	1,466.38	3,409.98	0.00	0.00	0.00	
10,100.00	90.00	0.98	6,250.00	3,485.38	1,468.09	3,509.98	0.00	0.00	0.00	
10,200.00	90.00	0.98	6,250.00	3,585.37	1,469.79	3,609.98	0.00	0.00	0.00	
10,300.00	90.00	0.98	6,250.00	3,685.36	1,471.50	3,709.98	0.00	0.00	0.00	
10,400.00	90.00	0.98	6,250.00	3,785.34	1,473.21	3,809.98	0.00	0.00	0.00	
10,500.00	90.00	0.98	6,250.00	3,885.33	1,474.91	3,909.98	0.00	0.00	0.00	
10,600.00	90.00	0.98	6,250.00	3,985.31	1,476.62	4,009.98	0.00	0.00	0.00	
10,700.00	90.00	0.98	6,250.00	4,085.30	1,478.33	4,109.98	0.00	0.00	0.00	
10,800.00	90.00	0.98	6,250.00	4,185.28	1,480.03	4,209.98	0.00	0.00	0.00	
10,900.00	90.00	0.98	6,250.00	4,285.27	1,481.74	4,309.98	0.00	0.00	0.00	
11,000.00	90.00	0.98	6,250.00	4,385.25	1,483.45	4,409.98	0.00	0.00	0.00	
11,100.00	90.00	0.98	6,250.00	4,485.24	1,485.15	4,509.98	0.00	0.00	0.00	
11,200.00	90.00	0.98	6,250.00	4,585.22	1,486.86	4,609.98	0.00	0.00	0.00	
11,300.00	90.00	0.98	6,250.00	4,685.21	1,488.57	4,709.98	0.00	0.00	0.00	
11,400.00	90.00	0.98	6,250.00	4,785.19	1,490.27	4,809.98	0.00	0.00	0.00	
11,500.00	90.00	0.98	6,250.00	4,885.18	1,491.98	4,909.98	0.00	0.00	0.00	
11,600.00	90.00	0.98	6,250.00	4,985.17	1,493.69	5,009.98	0.00	0.00	0.00	
11,700.00	90.00	0.98	6,250.00	5,085.15	1,495.39	5,109.98	0.00	0.00	0.00	
11,800.00	90.00	0.98	6,250.00	5,185.14	1,497.10	5,209.98	0.00	0.00	0.00	
11,900.00	90.00	0.98	6,250.00	5,285.12	1,498.81	5,309.98	0.00	0.00	0.00	
12,000.00	90.00	0.98	6,250.00	5,385.11	1,500.51	5,409.98	0.00	0.00	0.00	
12,100.00	90.00	0.98	6,250.00	5,485.09	1,502.22	5,509.98	0.00	0.00	0.00	
12,200.00	90.00	0.98	6,250.00	5,585.08	1,503.93	5,609.98	0.00	0.00	0.00	
12,300.00	90.00	0.98	6,250.00	5,685.06	1,505.63	5,709.98	0.00	0.00	0.00	
12,400.00	90.00	0.98	6,250.00	5,785.05	1,507.34	5,809.98	0.00	0.00	0.00	
12,500.00	90.00	0.98	6,250.00	5,885.03	1,509.05	5,909.98	0.00	0.00	0.00	
12,600.00	90.00	0.98	6,250.00	5,985.02	1,510.75	6,009.98	0.00	0.00	0.00	
12,700.00	90.00	0.98	6,250.00	6,085.01	1,512.46	6,109.98	0.00	0.00	0.00	
12,800.00	90.00	0.98	6,250.00	6,184.99	1,514.17	6,209.98	0.00	0.00	0.00	
12,900.00	90.00	0.98	6,250.00	6,284.98	1,515.87	6,309.98	0.00	0.00	0.00	
13,000.00	90.00	0.98	6,250.00	6,384.96	1,517.58	6,409.98	0.00	0.00	0.00	
13,100.00	90.00	0.98	6,250.00	6,484.95	1,519.29	6,509.98	0.00	0.00	0.00	
13,200.00	90.00	0.98	6,250.00	6,584.93	1,520.99	6,609.98	0.00	0.00	0.00	
13,300.00	90.00	0.98	6,250.00	6,684.92	1,522.70	6,709.98	0.00	0.00	0.00	
13,400.00	90.00	0.98	6,250.00	6,784.90	1,524.41	6,809.98	0.00	0.00	0.00	
13,500.00	90.00	0.98	6,250.00	6,884.89	1,526.11	6,909.98	0.00	0.00	0.00	
13,600.00	90.00	0.98	6,250.00	6,984.87	1,527.82	7,009.98	0.00	0.00	0.00	
13,700.00	90.00	0.98	6,250.00	7,084.86	1,529.53	7,109.98	0.00	0.00	0.00	
13,800.00	90.00	0.98	6,250.00	7,184.85	1,531.23	7,209.98	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well PURCELL 6-62-25-5906B
Company:	HighPoint Resources	TVD Reference:	KB @ 4683.20usft (Cade 23)
Project:	Weld County, CO (NAD83)	MD Reference:	KB @ 4683.20usft (Cade 23)
Site:	Sec 25-T06W-R62W	North Reference:	True
Well:	PURCELL 6-62-25-5906B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
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)	
13,900.00	90.00	0.98	6,250.00	7,284.83	1,532.94	7,309.98	0.00	0.00	0.00	
14,000.00	90.00	0.98	6,250.00	7,384.82	1,534.64	7,409.98	0.00	0.00	0.00	
14,100.00	90.00	0.98	6,250.00	7,484.80	1,536.35	7,509.98	0.00	0.00	0.00	
14,200.00	90.00	0.98	6,250.00	7,584.79	1,538.06	7,609.98	0.00	0.00	0.00	
14,300.00	90.00	0.98	6,250.00	7,684.77	1,539.76	7,709.98	0.00	0.00	0.00	
14,400.00	90.00	0.98	6,250.00	7,784.76	1,541.47	7,809.98	0.00	0.00	0.00	
14,500.00	90.00	0.98	6,250.00	7,884.74	1,543.18	7,909.98	0.00	0.00	0.00	
14,600.00	90.00	0.98	6,250.00	7,984.73	1,544.88	8,009.98	0.00	0.00	0.00	
14,700.00	90.00	0.98	6,250.00	8,084.71	1,546.59	8,109.98	0.00	0.00	0.00	
14,800.00	90.00	0.98	6,250.00	8,184.70	1,548.30	8,209.98	0.00	0.00	0.00	
14,900.00	90.00	0.98	6,250.00	8,284.69	1,550.00	8,309.98	0.00	0.00	0.00	
15,000.00	90.00	0.98	6,250.00	8,384.67	1,551.71	8,409.98	0.00	0.00	0.00	
15,100.00	90.00	0.98	6,250.00	8,484.66	1,553.42	8,509.98	0.00	0.00	0.00	
15,200.00	90.00	0.98	6,250.00	8,584.64	1,555.12	8,609.98	0.00	0.00	0.00	
15,300.00	90.00	0.98	6,250.00	8,684.63	1,556.83	8,709.98	0.00	0.00	0.00	
15,400.00	90.00	0.98	6,250.00	8,784.61	1,558.54	8,809.98	0.00	0.00	0.00	
15,500.00	90.00	0.98	6,250.00	8,884.60	1,560.24	8,909.98	0.00	0.00	0.00	
15,600.00	90.00	0.98	6,250.00	8,984.58	1,561.95	9,009.98	0.00	0.00	0.00	
15,700.00	90.00	0.98	6,250.00	9,084.57	1,563.66	9,109.98	0.00	0.00	0.00	
15,800.00	90.00	0.98	6,250.00	9,184.55	1,565.36	9,209.98	0.00	0.00	0.00	
15,900.00	90.00	0.98	6,250.00	9,284.54	1,567.07	9,309.98	0.00	0.00	0.00	
16,000.00	90.00	0.98	6,250.00	9,384.53	1,568.78	9,409.98	0.00	0.00	0.00	
16,100.00	90.00	0.98	6,250.00	9,484.51	1,570.48	9,509.98	0.00	0.00	0.00	
16,200.00	90.00	0.98	6,250.00	9,584.50	1,572.19	9,609.98	0.00	0.00	0.00	
16,300.00	90.00	0.98	6,250.00	9,684.48	1,573.90	9,709.98	0.00	0.00	0.00	
16,400.00	90.00	0.98	6,250.00	9,784.47	1,575.60	9,809.98	0.00	0.00	0.00	
16,450.67	90.00	0.98	6,250.00	9,835.13	1,576.47	9,860.65	0.00	0.00	0.00	
TD at 16450.67										

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									
LP PURCELL 6-62-25-5'	0.00	0.00	6,250.00	153.78	1,411.22	1,410,220.59	3,342,883.74	40.452918	-104.267864
- plan hits target center									
- Point									
PBHL PURCELL 6-62-2'	0.00	0.00	6,250.00	9,835.13	1,576.47	1,419,903.30	3,342,915.00	40.479493	-104.267268
- plan hits target center									
- Point									

Planning Report

Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well PURCELL 6-62-25-5906B
Company:	HighPoint Resources	TVD Reference:	KB @ 4683.20usft (Cade 23)
Project:	Weld County, CO (NAD83)	MD Reference:	KB @ 4683.20usft (Cade 23)
Site:	Sec 25-T06W-R62W	North Reference:	True
Well:	PURCELL 6-62-25-5906B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
300.00	300.00	0.00	0.00	Start Build 3.00
466.67	466.46	-2.30	6.89	Start 383.33 hold at 466.67 MD
850.00	848.33	-12.87	38.59	Start DLS 1.50 TFO 0.01
1,553.14	1,539.22	-52.49	157.38	Start 4268.62 hold at 1553.14 MD
5,821.76	5,651.65	-414.53	1,242.71	Start DLS 10.00 TFO -106.87
6,767.91	6,250.00	153.78	1,411.22	Start 9682.76 hold at 6767.91 MD
16,450.67	6,250.00	9,835.13	1,576.47	TD at 16450.67