



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 6-62-25-6302B  
Wellbore: Wellbore #1  
Plan: Plan #1 (PURCELL 6-62-25-6302B/Wellbore #1)  
Cade 23

WELL DETAILS: PURCELL 6-62-25-6302B

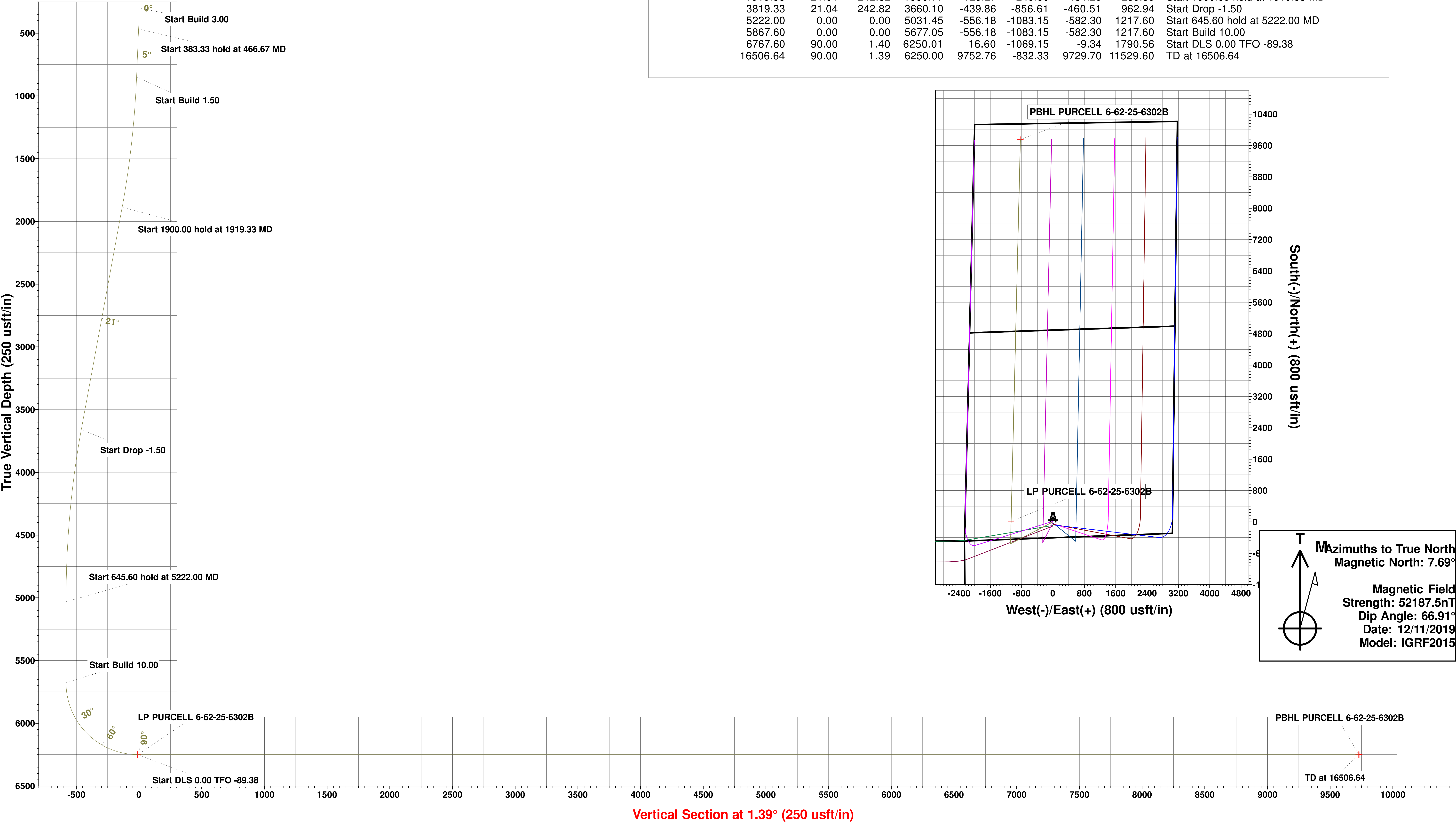
Ground Elevation:: 4666.70  
RKB Elevation: KB @ 4683.20usft (Cade 23)  
Rig Name: Cade 23



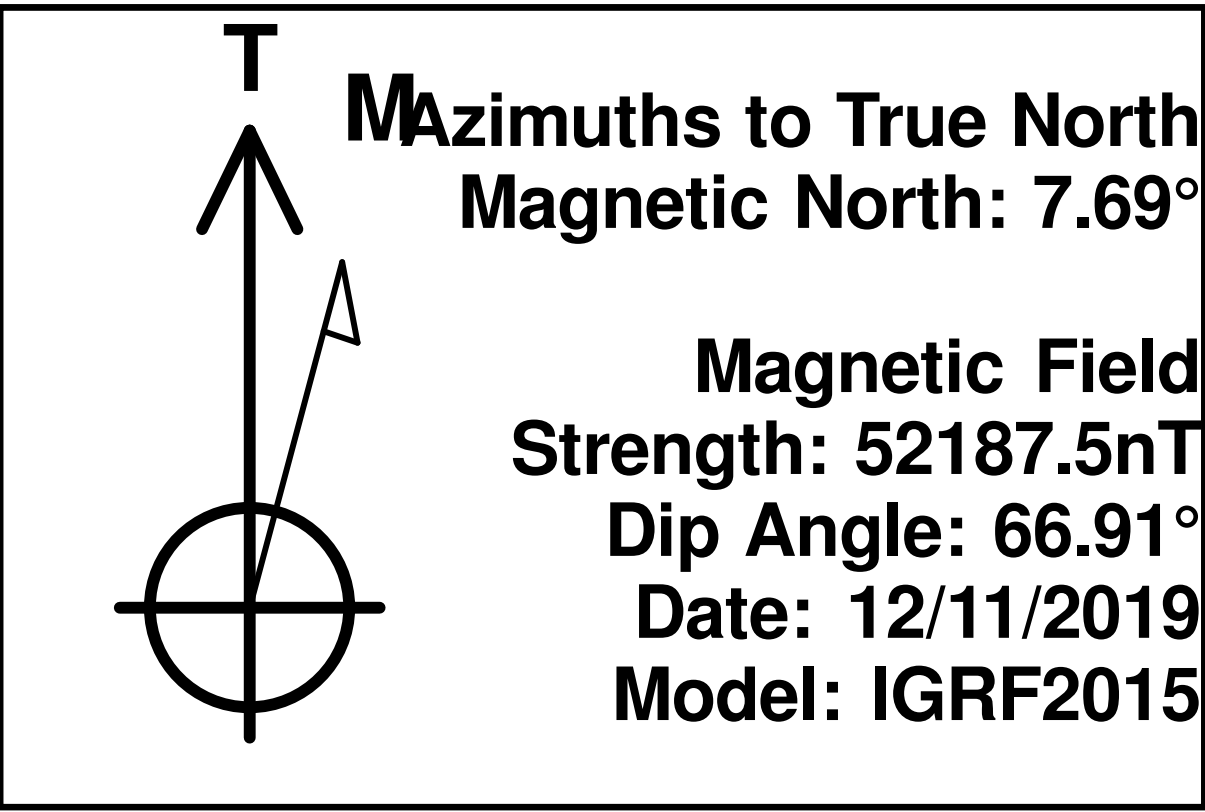
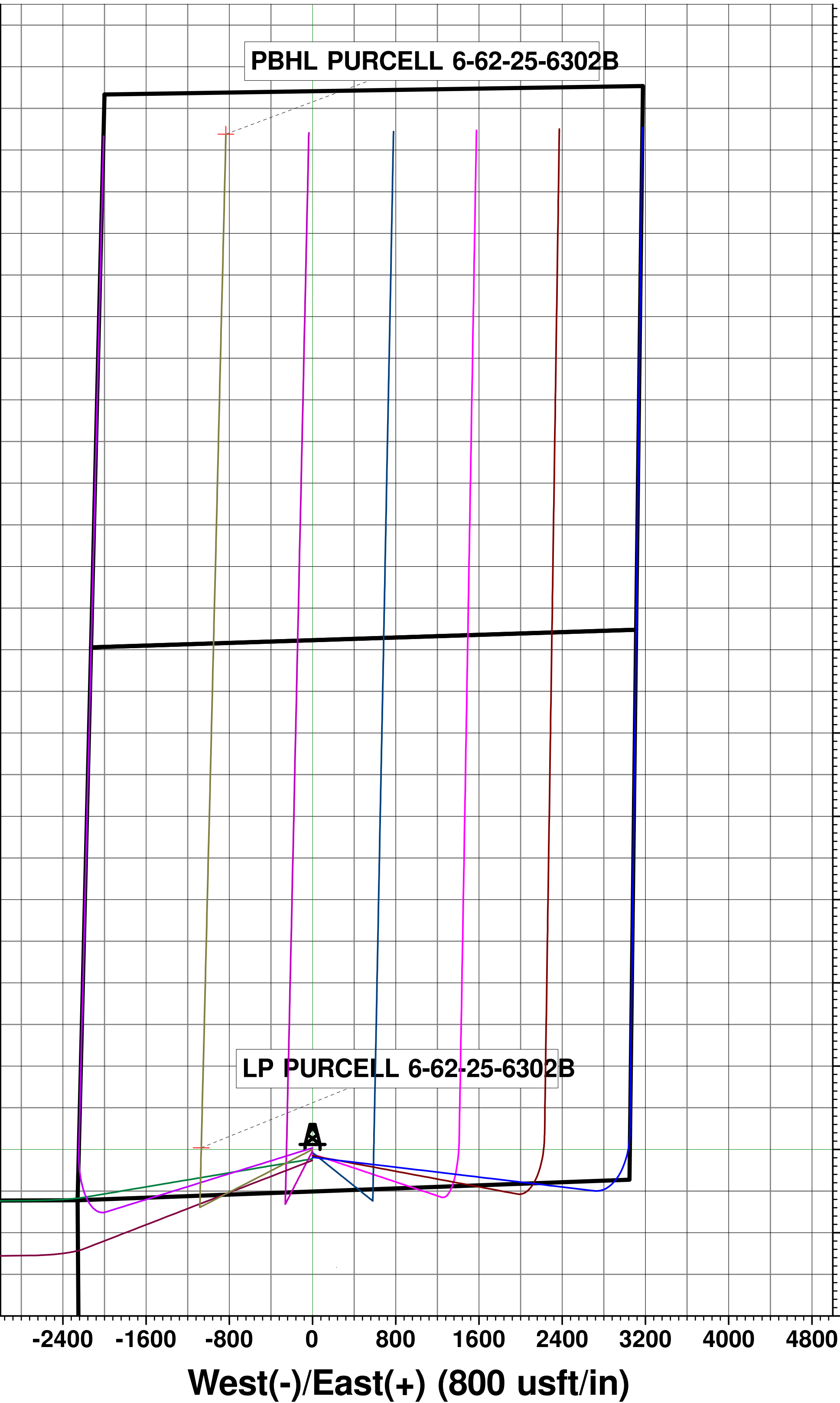
Northing	Easting	Latitude	Longitude
1410092.11	3341474.99	40.452619	-104.272932

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	242.82	466.46	-3.32	-6.47	-3.48	7.27	Start 383.33 hold at 466.67 MD
850.00	5.00	242.82	848.33	-18.58	-36.19	-19.45	40.68	Start Build 1.50
1919.33	21.04	242.82	1886.77	-128.27	-249.80	-134.29	280.80	Start 1900.00 hold at 1919.33 MD
3819.33	21.04	242.82	3660.10	-439.86	-856.61	-460.51	962.94	Start Drop -1.50
5222.00	0.00	0.00	5031.45	-556.18	-1083.15	-582.30	1217.60	Start 645.60 hold at 5222.00 MD
5867.60	0.00	0.00	5677.05	-556.18	-1083.15	-582.30	1217.60	Start Build 10.00
6767.60	90.00	1.40	6250.01	16.60	-1069.15	-9.34	1790.56	Start DLS 0.00 TFO -89.38
16506.64	90.00	1.39	6250.00	9752.76	-832.33	9729.70	11529.60	TD at 16506.64



Vertical Section at 1.39° (250 usft/in)



# **HighPoint Resources**

**Weld County, CO (NAD83)**

**Sec 25-T06W-R62W**

**PURCELL 6-62-25-6302B**

**Wellbore #1**

**Plan: Plan #1**

## **Standard Planning Report**

**20 December, 2019**

## Planning Report

<b>Database:</b>	EDM 5000.15 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PURCELL 6-62-25-6302B
<b>Company:</b>	HighPoint Resources	<b>TVD Reference:</b>	KB @ 4683.20usft (Cade 23)
<b>Project:</b>	Weld County, CO (NAD83)	<b>MD Reference:</b>	KB @ 4683.20usft (Cade 23)
<b>Site:</b>	Sec 25-T06W-R62W	<b>North Reference:</b>	True
<b>Well:</b>	PURCELL 6-62-25-6302B	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1		

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

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

<b>Well</b>	PURCELL 6-62-25-6302B			
<b>Well Position</b>	<b>+N/-S</b>	488.62 usft	<b>Northing:</b>	1,410,092.11 usft
	<b>+E/-W</b>	2,258.08 usft	<b>Easting:</b>	3,341,474.99 usft
<b>Position Uncertainty</b>	0.00 usft		<b>Wellhead Elevation:</b>	
			<b>Ground Level:</b>	4,666.70 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2015	12/11/2019	7.69	66.91	52,187.53084859

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	1.39

<b>Plan Survey Tool Program</b>	<b>Date</b>	12/20/2019		
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>
1	0.00	16,506.64	Plan #1 (Wellbore #1)	MWD
				MWD - Standard

## Planning Report

<b>Database:</b>	EDM 5000.15 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PURCELL 6-62-25-6302B
<b>Company:</b>	HighPoint Resources	<b>TVD Reference:</b>	KB @ 4683.20usft (Cade 23)
<b>Project:</b>	Weld County, CO (NAD83)	<b>MD Reference:</b>	KB @ 4683.20usft (Cade 23)
<b>Site:</b>	Sec 25-T06W-R62W	<b>North Reference:</b>	True
<b>Well:</b>	PURCELL 6-62-25-6302B	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1		

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	242.82	466.46	-3.32	-6.47	3.00	3.00	0.00	242.82	
850.00	5.00	242.82	848.33	-18.58	-36.19	0.00	0.00	0.00	0.00	
1,919.33	21.04	242.82	1,886.77	-128.27	-249.80	1.50	1.50	0.00	0.00	
3,819.33	21.04	242.82	3,660.10	-439.86	-856.61	0.00	0.00	0.00	0.00	
5,222.00	0.00	0.00	5,031.45	-556.18	-1,083.15	1.50	-1.50	0.00	180.00	
5,867.60	0.00	0.00	5,677.05	-556.18	-1,083.15	0.00	0.00	0.00	0.00	
6,767.60	90.00	1.40	6,250.01	16.60	-1,069.15	10.00	10.00	0.00	1.40	
16,506.64	90.00	1.39	6,250.00	9,752.76	-832.33	0.00	0.00	0.00	-89.38	PBHL PURCELL 6-62

# Planning Report

<b>Database:</b>	EDM 5000.15 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PURCELL 6-62-25-6302B
<b>Company:</b>	HighPoint Resources	<b>TVD Reference:</b>	KB @ 4683.20usft (Cade 23)
<b>Project:</b>	Weld County, CO (NAD83)	<b>MD Reference:</b>	KB @ 4683.20usft (Cade 23)
<b>Site:</b>	Sec 25-T06W-R62W	<b>North Reference:</b>	True
<b>Well:</b>	PURCELL 6-62-25-6302B	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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	242.82	399.95	-1.20	-2.33	-1.25	3.00	3.00	0.00
466.67	5.00	242.82	466.46	-3.32	-6.47	-3.48	3.00	3.00	0.00
Start 383.33 hold at 466.67 MD									
500.00	5.00	242.82	499.66	-4.65	-9.05	-4.86	0.00	0.00	0.00
600.00	5.00	242.82	599.28	-8.63	-16.80	-9.03	0.00	0.00	0.00
700.00	5.00	242.82	698.90	-12.61	-24.56	-13.20	0.00	0.00	0.00
800.00	5.00	242.82	798.52	-16.59	-32.31	-17.37	0.00	0.00	0.00
850.00	5.00	242.82	848.33	-18.58	-36.19	-19.45	0.00	0.00	0.00
Start Build 1.50									
900.00	5.75	242.82	898.11	-20.72	-40.35	-21.69	1.50	1.50	0.00
1,000.00	7.25	242.82	997.46	-25.89	-50.42	-27.11	1.50	1.50	0.00
1,100.00	8.75	242.82	1,096.49	-32.25	-62.80	-33.76	1.50	1.50	0.00
1,200.00	10.25	242.82	1,195.11	-39.79	-77.48	-41.66	1.50	1.50	0.00
1,300.00	11.75	242.82	1,293.27	-48.50	-94.46	-50.78	1.50	1.50	0.00
1,400.00	13.25	242.82	1,390.90	-58.39	-113.71	-61.13	1.50	1.50	0.00
1,500.00	14.75	242.82	1,487.93	-69.44	-135.23	-72.70	1.50	1.50	0.00
1,600.00	16.25	242.82	1,584.29	-81.65	-159.00	-85.48	1.50	1.50	0.00
1,700.00	17.75	242.82	1,679.92	-95.00	-185.01	-99.46	1.50	1.50	0.00
1,800.00	19.25	242.82	1,774.74	-109.49	-213.24	-114.64	1.50	1.50	0.00
1,900.00	20.75	242.82	1,868.71	-125.12	-243.66	-130.99	1.50	1.50	0.00
1,919.33	21.04	242.82	1,886.77	-128.27	-249.80	-134.29	1.50	1.50	0.00
Start 1900.00 hold at 1919.33 MD									
2,000.00	21.04	242.82	1,962.06	-141.50	-275.56	-148.14	0.00	0.00	0.00
2,100.00	21.04	242.82	2,055.40	-157.90	-307.50	-165.31	0.00	0.00	0.00
2,200.00	21.04	242.82	2,148.73	-174.30	-339.43	-182.48	0.00	0.00	0.00
2,300.00	21.04	242.82	2,242.06	-190.69	-371.37	-199.65	0.00	0.00	0.00
2,400.00	21.04	242.82	2,335.39	-207.09	-403.31	-216.82	0.00	0.00	0.00
2,500.00	21.04	242.82	2,428.73	-223.49	-435.25	-233.99	0.00	0.00	0.00
2,600.00	21.04	242.82	2,522.06	-239.89	-467.18	-251.16	0.00	0.00	0.00
2,700.00	21.04	242.82	2,615.39	-256.29	-499.12	-268.33	0.00	0.00	0.00
2,800.00	21.04	242.82	2,708.73	-272.69	-531.06	-285.49	0.00	0.00	0.00
2,900.00	21.04	242.82	2,802.06	-289.09	-563.00	-302.66	0.00	0.00	0.00
3,000.00	21.04	242.82	2,895.39	-305.49	-594.93	-319.83	0.00	0.00	0.00
3,100.00	21.04	242.82	2,988.73	-321.89	-626.87	-337.00	0.00	0.00	0.00
3,200.00	21.04	242.82	3,082.06	-338.29	-658.81	-354.17	0.00	0.00	0.00
3,300.00	21.04	242.82	3,175.39	-354.69	-690.75	-371.34	0.00	0.00	0.00
3,400.00	21.04	242.82	3,268.72	-371.09	-722.68	-388.51	0.00	0.00	0.00
3,500.00	21.04	242.82	3,362.06	-387.49	-754.62	-405.68	0.00	0.00	0.00
3,600.00	21.04	242.82	3,455.39	-403.89	-786.56	-422.85	0.00	0.00	0.00
3,700.00	21.04	242.82	3,548.72	-420.29	-818.50	-440.02	0.00	0.00	0.00
3,800.00	21.04	242.82	3,642.06	-436.69	-850.43	-457.19	0.00	0.00	0.00
3,819.33	21.04	242.82	3,660.10	-439.86	-856.61	-460.51	0.00	0.00	0.00
Start Drop -1.50									
3,900.00	19.83	242.82	3,735.69	-452.72	-881.66	-473.98	1.50	-1.50	0.00
4,000.00	18.33	242.82	3,830.19	-467.66	-910.74	-489.61	1.50	-1.50	0.00
4,100.00	16.83	242.82	3,925.52	-481.45	-937.61	-504.05	1.50	-1.50	0.00
4,200.00	15.33	242.82	4,021.60	-494.10	-962.25	-517.30	1.50	-1.50	0.00
4,300.00	13.83	242.82	4,118.38	-505.60	-984.64	-529.34	1.50	-1.50	0.00

# Planning Report

<b>Database:</b>	EDM 5000.15 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PURCELL 6-62-25-6302B
<b>Company:</b>	HighPoint Resources	<b>TVD Reference:</b>	KB @ 4683.20usft (Cade 23)
<b>Project:</b>	Weld County, CO (NAD83)	<b>MD Reference:</b>	KB @ 4683.20usft (Cade 23)
<b>Site:</b>	Sec 25-T06W-R62W	<b>North Reference:</b>	True
<b>Well:</b>	PURCELL 6-62-25-6302B	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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)	
4,400.00	12.33	242.82	4,215.78	-515.94	-1,004.77	-540.16	1.50	-1.50	0.00	
4,500.00	10.83	242.82	4,313.75	-525.11	-1,022.63	-549.76	1.50	-1.50	0.00	
4,600.00	9.33	242.82	4,412.20	-533.10	-1,038.20	-558.13	1.50	-1.50	0.00	
4,700.00	7.83	242.82	4,511.08	-539.92	-1,051.47	-565.26	1.50	-1.50	0.00	
4,800.00	6.33	242.82	4,610.31	-545.55	-1,062.43	-571.16	1.50	-1.50	0.00	
4,900.00	4.83	242.82	4,709.84	-549.99	-1,071.08	-575.81	1.50	-1.50	0.00	
5,000.00	3.33	242.82	4,809.58	-553.24	-1,077.41	-579.21	1.50	-1.50	0.00	
5,100.00	1.83	242.82	4,909.48	-555.29	-1,081.42	-581.36	1.50	-1.50	0.00	
5,200.00	0.33	242.82	5,009.45	-556.16	-1,083.09	-582.27	1.50	-1.50	0.00	
5,222.00	0.00	0.00	5,031.45	-556.18	-1,083.15	-582.30	1.50	-1.50	0.00	
Start 645.60 hold at 5222.00 MD										
5,300.00	0.00	0.00	5,109.45	-556.18	-1,083.15	-582.30	0.00	0.00	0.00	
5,400.00	0.00	0.00	5,209.45	-556.18	-1,083.15	-582.30	0.00	0.00	0.00	
5,500.00	0.00	0.00	5,309.45	-556.18	-1,083.15	-582.30	0.00	0.00	0.00	
5,600.00	0.00	0.00	5,409.45	-556.18	-1,083.15	-582.30	0.00	0.00	0.00	
5,700.00	0.00	0.00	5,509.45	-556.18	-1,083.15	-582.30	0.00	0.00	0.00	
5,800.00	0.00	0.00	5,609.45	-556.18	-1,083.15	-582.30	0.00	0.00	0.00	
5,867.60	0.00	0.00	5,677.05	-556.18	-1,083.15	-582.30	0.00	0.00	0.00	
Start Build 10.00										
5,900.00	3.24	1.40	5,709.44	-555.27	-1,083.13	-581.38	10.00	10.00	0.00	
5,950.00	8.24	1.40	5,759.17	-550.27	-1,083.00	-576.38	10.00	10.00	0.00	
6,000.00	13.24	1.40	5,808.28	-540.96	-1,082.78	-567.07	10.00	10.00	0.00	
6,050.00	18.24	1.40	5,856.39	-527.40	-1,082.44	-553.51	10.00	10.00	0.00	
6,100.00	23.24	1.40	5,903.13	-509.71	-1,082.01	-535.81	10.00	10.00	0.00	
6,150.00	28.24	1.40	5,948.16	-488.01	-1,081.48	-514.10	10.00	10.00	0.00	
6,200.00	33.24	1.40	5,991.12	-462.47	-1,080.86	-488.55	10.00	10.00	0.00	
6,250.00	38.24	1.40	6,031.69	-433.28	-1,080.14	-459.35	10.00	10.00	0.00	
6,300.00	43.24	1.40	6,069.56	-400.67	-1,079.35	-426.73	10.00	10.00	0.00	
6,350.00	48.24	1.40	6,104.45	-364.88	-1,078.47	-390.93	10.00	10.00	0.00	
6,400.00	53.24	1.40	6,136.08	-326.19	-1,077.53	-352.23	10.00	10.00	0.00	
6,450.00	58.24	1.40	6,164.22	-284.89	-1,076.52	-310.92	10.00	10.00	0.00	
6,500.00	63.24	1.40	6,188.65	-241.30	-1,075.45	-267.31	10.00	10.00	0.00	
6,550.00	68.24	1.40	6,209.19	-195.74	-1,074.34	-221.74	10.00	10.00	0.00	
6,600.00	73.24	1.40	6,225.67	-148.57	-1,073.19	-174.56	10.00	10.00	0.00	
6,650.00	78.24	1.40	6,237.99	-100.14	-1,072.00	-126.11	10.00	10.00	0.00	
6,700.00	83.24	1.40	6,246.03	-50.82	-1,070.80	-76.78	10.00	10.00	0.00	
6,750.00	88.24	1.40	6,249.74	-0.99	-1,069.58	-26.94	10.00	10.00	0.00	
6,767.60	90.00	1.40	6,250.01	16.60	-1,069.15	-9.34	10.00	10.00	0.00	
Start DLS 0.00 TFO -89.38										
6,800.00	90.00	1.40	6,250.01	48.99	-1,068.36	23.06	0.00	0.00	0.00	
6,900.00	90.00	1.40	6,250.01	148.96	-1,065.91	123.06	0.00	0.00	0.00	
7,000.00	90.00	1.40	6,250.01	248.93	-1,063.47	223.06	0.00	0.00	0.00	
7,100.00	90.00	1.40	6,250.01	348.90	-1,061.03	323.06	0.00	0.00	0.00	
7,200.00	90.00	1.40	6,250.01	448.87	-1,058.59	423.06	0.00	0.00	0.00	
7,300.00	90.00	1.40	6,250.01	548.84	-1,056.15	523.06	0.00	0.00	0.00	
7,400.00	90.00	1.40	6,250.01	648.81	-1,053.70	623.06	0.00	0.00	0.00	
7,500.00	90.00	1.40	6,250.01	748.78	-1,051.26	723.06	0.00	0.00	0.00	
7,600.00	90.00	1.40	6,250.01	848.75	-1,048.82	823.06	0.00	0.00	0.00	
7,700.00	90.00	1.40	6,250.01	948.72	-1,046.38	923.06	0.00	0.00	0.00	
7,800.00	90.00	1.40	6,250.01	1,048.69	-1,043.94	1,023.06	0.00	0.00	0.00	
7,900.00	90.00	1.40	6,250.01	1,148.66	-1,041.50	1,123.06	0.00	0.00	0.00	
8,000.00	90.00	1.40	6,250.01	1,248.63	-1,039.06	1,223.06	0.00	0.00	0.00	
8,100.00	90.00	1.40	6,250.01	1,348.60	-1,036.62	1,323.06	0.00	0.00	0.00	



# Planning Report

<b>Database:</b>	EDM 5000.15 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PURCELL 6-62-25-6302B
<b>Company:</b>	HighPoint Resources	<b>TVD Reference:</b>	KB @ 4683.20usft (Cade 23)
<b>Project:</b>	Weld County, CO (NAD83)	<b>MD Reference:</b>	KB @ 4683.20usft (Cade 23)
<b>Site:</b>	Sec 25-T06W-R62W	<b>North Reference:</b>	True
<b>Well:</b>	PURCELL 6-62-25-6302B	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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)	
8,200.00	90.00	1.40	6,250.01	1,448.58	-1,034.18	1,423.06	0.00	0.00	0.00	
8,300.00	90.00	1.40	6,250.01	1,548.55	-1,031.74	1,523.06	0.00	0.00	0.00	
8,400.00	90.00	1.40	6,250.01	1,648.52	-1,029.30	1,623.06	0.00	0.00	0.00	
8,500.00	90.00	1.40	6,250.01	1,748.49	-1,026.86	1,723.06	0.00	0.00	0.00	
8,600.00	90.00	1.40	6,250.01	1,848.46	-1,024.42	1,823.06	0.00	0.00	0.00	
8,700.00	90.00	1.40	6,250.01	1,948.43	-1,021.98	1,923.06	0.00	0.00	0.00	
8,800.00	90.00	1.40	6,250.01	2,048.40	-1,019.54	2,023.06	0.00	0.00	0.00	
8,900.00	90.00	1.40	6,250.01	2,148.37	-1,017.10	2,123.06	0.00	0.00	0.00	
9,000.00	90.00	1.40	6,250.01	2,248.34	-1,014.67	2,223.06	0.00	0.00	0.00	
9,100.00	90.00	1.40	6,250.01	2,348.31	-1,012.23	2,323.06	0.00	0.00	0.00	
9,200.00	90.00	1.40	6,250.01	2,448.28	-1,009.79	2,423.06	0.00	0.00	0.00	
9,300.00	90.00	1.40	6,250.01	2,548.25	-1,007.35	2,523.06	0.00	0.00	0.00	
9,400.00	90.00	1.40	6,250.01	2,648.22	-1,004.92	2,623.06	0.00	0.00	0.00	
9,500.00	90.00	1.40	6,250.01	2,748.19	-1,002.48	2,723.06	0.00	0.00	0.00	
9,600.00	90.00	1.40	6,250.01	2,848.16	-1,000.04	2,823.06	0.00	0.00	0.00	
9,700.00	90.00	1.40	6,250.01	2,948.13	-997.61	2,923.06	0.00	0.00	0.00	
9,800.00	90.00	1.40	6,250.01	3,048.10	-995.17	3,023.06	0.00	0.00	0.00	
9,900.00	90.00	1.40	6,250.01	3,148.07	-992.73	3,123.06	0.00	0.00	0.00	
10,000.00	90.00	1.40	6,250.01	3,248.04	-990.30	3,223.06	0.00	0.00	0.00	
10,100.00	90.00	1.40	6,250.01	3,348.01	-987.86	3,323.06	0.00	0.00	0.00	
10,200.00	90.00	1.40	6,250.01	3,447.98	-985.43	3,423.06	0.00	0.00	0.00	
10,300.00	90.00	1.40	6,250.01	3,547.95	-982.99	3,523.06	0.00	0.00	0.00	
10,400.00	90.00	1.40	6,250.01	3,647.92	-980.56	3,623.06	0.00	0.00	0.00	
10,500.00	90.00	1.39	6,250.01	3,747.89	-978.12	3,723.06	0.00	0.00	0.00	
10,600.00	90.00	1.39	6,250.01	3,847.86	-975.69	3,823.06	0.00	0.00	0.00	
10,700.00	90.00	1.39	6,250.01	3,947.83	-973.26	3,923.06	0.00	0.00	0.00	
10,800.00	90.00	1.39	6,250.01	4,047.80	-970.82	4,023.06	0.00	0.00	0.00	
10,900.00	90.00	1.39	6,250.01	4,147.77	-968.39	4,123.06	0.00	0.00	0.00	
11,000.00	90.00	1.39	6,250.01	4,247.74	-965.95	4,223.06	0.00	0.00	0.00	
11,100.00	90.00	1.39	6,250.01	4,347.71	-963.52	4,323.06	0.00	0.00	0.00	
11,200.00	90.00	1.39	6,250.01	4,447.68	-961.09	4,423.06	0.00	0.00	0.00	
11,300.00	90.00	1.39	6,250.01	4,547.66	-958.66	4,523.06	0.00	0.00	0.00	
11,400.00	90.00	1.39	6,250.01	4,647.63	-956.22	4,623.06	0.00	0.00	0.00	
11,500.00	90.00	1.39	6,250.01	4,747.60	-953.79	4,723.06	0.00	0.00	0.00	
11,600.00	90.00	1.39	6,250.01	4,847.57	-951.36	4,823.06	0.00	0.00	0.00	
11,700.00	90.00	1.39	6,250.01	4,947.54	-948.93	4,923.06	0.00	0.00	0.00	
11,800.00	90.00	1.39	6,250.01	5,047.51	-946.50	5,023.06	0.00	0.00	0.00	
11,900.00	90.00	1.39	6,250.01	5,147.48	-944.07	5,123.06	0.00	0.00	0.00	
12,000.00	90.00	1.39	6,250.01	5,247.45	-941.63	5,223.06	0.00	0.00	0.00	
12,100.00	90.00	1.39	6,250.01	5,347.42	-939.20	5,323.06	0.00	0.00	0.00	
12,200.00	90.00	1.39	6,250.01	5,447.39	-936.77	5,423.06	0.00	0.00	0.00	
12,300.00	90.00	1.39	6,250.01	5,547.36	-934.34	5,523.06	0.00	0.00	0.00	
12,400.00	90.00	1.39	6,250.01	5,647.33	-931.91	5,623.06	0.00	0.00	0.00	
12,500.00	90.00	1.39	6,250.01	5,747.30	-929.48	5,723.06	0.00	0.00	0.00	
12,600.00	90.00	1.39	6,250.01	5,847.27	-927.05	5,823.06	0.00	0.00	0.00	
12,700.00	90.00	1.39	6,250.01	5,947.24	-924.62	5,923.06	0.00	0.00	0.00	
12,800.00	90.00	1.39	6,250.01	6,047.21	-922.20	6,023.06	0.00	0.00	0.00	
12,900.00	90.00	1.39	6,250.01	6,147.18	-919.77	6,123.06	0.00	0.00	0.00	
13,000.00	90.00	1.39	6,250.01	6,247.15	-917.34	6,223.06	0.00	0.00	0.00	
13,100.00	90.00	1.39	6,250.01	6,347.12	-914.91	6,323.06	0.00	0.00	0.00	
13,200.00	90.00	1.39	6,250.01	6,447.09	-912.48	6,423.06	0.00	0.00	0.00	
13,300.00	90.00	1.39	6,250.01	6,547.06	-910.05	6,523.06	0.00	0.00	0.00	
13,400.00	90.00	1.39	6,250.01	6,647.04	-907.63	6,623.06	0.00	0.00	0.00	

# Planning Report

<b>Database:</b>	EDM 5000.15 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PURCELL 6-62-25-6302B
<b>Company:</b>	HighPoint Resources	<b>TVD Reference:</b>	KB @ 4683.20usft (Cade 23)
<b>Project:</b>	Weld County, CO (NAD83)	<b>MD Reference:</b>	KB @ 4683.20usft (Cade 23)
<b>Site:</b>	Sec 25-T06W-R62W	<b>North Reference:</b>	True
<b>Well:</b>	PURCELL 6-62-25-6302B	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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)	
13,500.00	90.00	1.39	6,250.01	6,747.01	-905.20	6,723.06	0.00	0.00	0.00	
13,600.00	90.00	1.39	6,250.01	6,846.98	-902.77	6,823.06	0.00	0.00	0.00	
13,700.00	90.00	1.39	6,250.01	6,946.95	-900.35	6,923.06	0.00	0.00	0.00	
13,800.00	90.00	1.39	6,250.01	7,046.92	-897.92	7,023.06	0.00	0.00	0.00	
13,900.00	90.00	1.39	6,250.01	7,146.89	-895.49	7,123.06	0.00	0.00	0.00	
14,000.00	90.00	1.39	6,250.01	7,246.86	-893.07	7,223.06	0.00	0.00	0.00	
14,100.00	90.00	1.39	6,250.01	7,346.83	-890.64	7,323.06	0.00	0.00	0.00	
14,200.00	90.00	1.39	6,250.01	7,446.80	-888.21	7,423.06	0.00	0.00	0.00	
14,300.00	90.00	1.39	6,250.01	7,546.77	-885.79	7,523.06	0.00	0.00	0.00	
14,400.00	90.00	1.39	6,250.00	7,646.74	-883.36	7,623.06	0.00	0.00	0.00	
14,500.00	90.00	1.39	6,250.00	7,746.71	-880.94	7,723.06	0.00	0.00	0.00	
14,600.00	90.00	1.39	6,250.00	7,846.68	-878.51	7,823.06	0.00	0.00	0.00	
14,700.00	90.00	1.39	6,250.00	7,946.65	-876.09	7,923.06	0.00	0.00	0.00	
14,800.00	90.00	1.39	6,250.00	8,046.62	-873.66	8,023.06	0.00	0.00	0.00	
14,900.00	90.00	1.39	6,250.00	8,146.59	-871.24	8,123.06	0.00	0.00	0.00	
15,000.00	90.00	1.39	6,250.00	8,246.56	-868.82	8,223.06	0.00	0.00	0.00	
15,100.00	90.00	1.39	6,250.00	8,346.54	-866.39	8,323.06	0.00	0.00	0.00	
15,200.00	90.00	1.39	6,250.00	8,446.51	-863.97	8,423.06	0.00	0.00	0.00	
15,300.00	90.00	1.39	6,250.00	8,546.48	-861.55	8,523.06	0.00	0.00	0.00	
15,400.00	90.00	1.39	6,250.00	8,646.45	-859.12	8,623.06	0.00	0.00	0.00	
15,500.00	90.00	1.39	6,250.00	8,746.42	-856.70	8,723.06	0.00	0.00	0.00	
15,600.00	90.00	1.39	6,250.00	8,846.39	-854.28	8,823.06	0.00	0.00	0.00	
15,700.00	90.00	1.39	6,250.00	8,946.36	-851.86	8,923.06	0.00	0.00	0.00	
15,800.00	90.00	1.39	6,250.00	9,046.33	-849.43	9,023.06	0.00	0.00	0.00	
15,900.00	90.00	1.39	6,250.00	9,146.30	-847.01	9,123.06	0.00	0.00	0.00	
16,000.00	90.00	1.39	6,250.00	9,246.27	-844.59	9,223.06	0.00	0.00	0.00	
16,100.00	90.00	1.39	6,250.00	9,346.24	-842.17	9,323.06	0.00	0.00	0.00	
16,200.00	90.00	1.39	6,250.00	9,446.21	-839.75	9,423.06	0.00	0.00	0.00	
16,300.00	90.00	1.39	6,250.00	9,546.18	-837.33	9,523.06	0.00	0.00	0.00	
16,400.00	90.00	1.39	6,250.00	9,646.15	-834.91	9,623.06	0.00	0.00	0.00	
16,506.64	90.00	1.39	6,250.00	9,752.76	-832.33	9,729.70	0.00	0.00	0.00	
TD at 16506.64										

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 6-62-25-6	0.00	0.00	6,250.00	16.42	-1,069.76	1,410,093.73	3,340,405.11	40.452664	-104.276776
- plan misses target center by 0.61usft at 6767.41usft MD (6250.01 TVD, 16.41 N, -1069.15 E)									
- Point									
PBHL PURCELL 6-62-2	0.00	0.00	6,250.00	9,752.76	-832.33	1,419,832.42	3,340,507.79	40.479390	-104.275924
- plan hits target center									
- Point									



## Planning Report

<b>Database:</b>	EDM 5000.15 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PURCELL 6-62-25-6302B
<b>Company:</b>	HighPoint Resources	<b>TVD Reference:</b>	KB @ 4683.20usft (Cade 23)
<b>Project:</b>	Weld County, CO (NAD83)	<b>MD Reference:</b>	KB @ 4683.20usft (Cade 23)
<b>Site:</b>	Sec 25-T06W-R62W	<b>North Reference:</b>	True
<b>Well:</b>	PURCELL 6-62-25-6302B	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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	-3.32	-6.47	Start 383.33 hold at 466.67 MD
850.00	848.33	-18.58	-36.19	Start Build 1.50
1,919.33	1,886.77	-128.27	-249.80	Start 1900.00 hold at 1919.33 MD
3,819.33	3,660.10	-439.86	-856.61	Start Drop -1.50
5,222.00	5,031.45	-556.18	-1,083.15	Start 645.60 hold at 5222.00 MD
5,867.60	5,677.05	-556.18	-1,083.15	Start Build 10.00
6,767.60	6,250.01	16.60	-1,069.15	Start DLS 0.00 TFO -89.38
16,506.64	6,250.00	9,752.76	-832.33	TD at 16506.64