

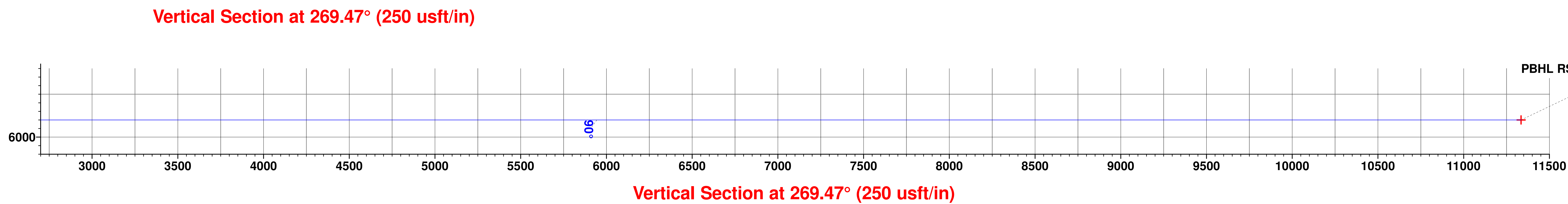
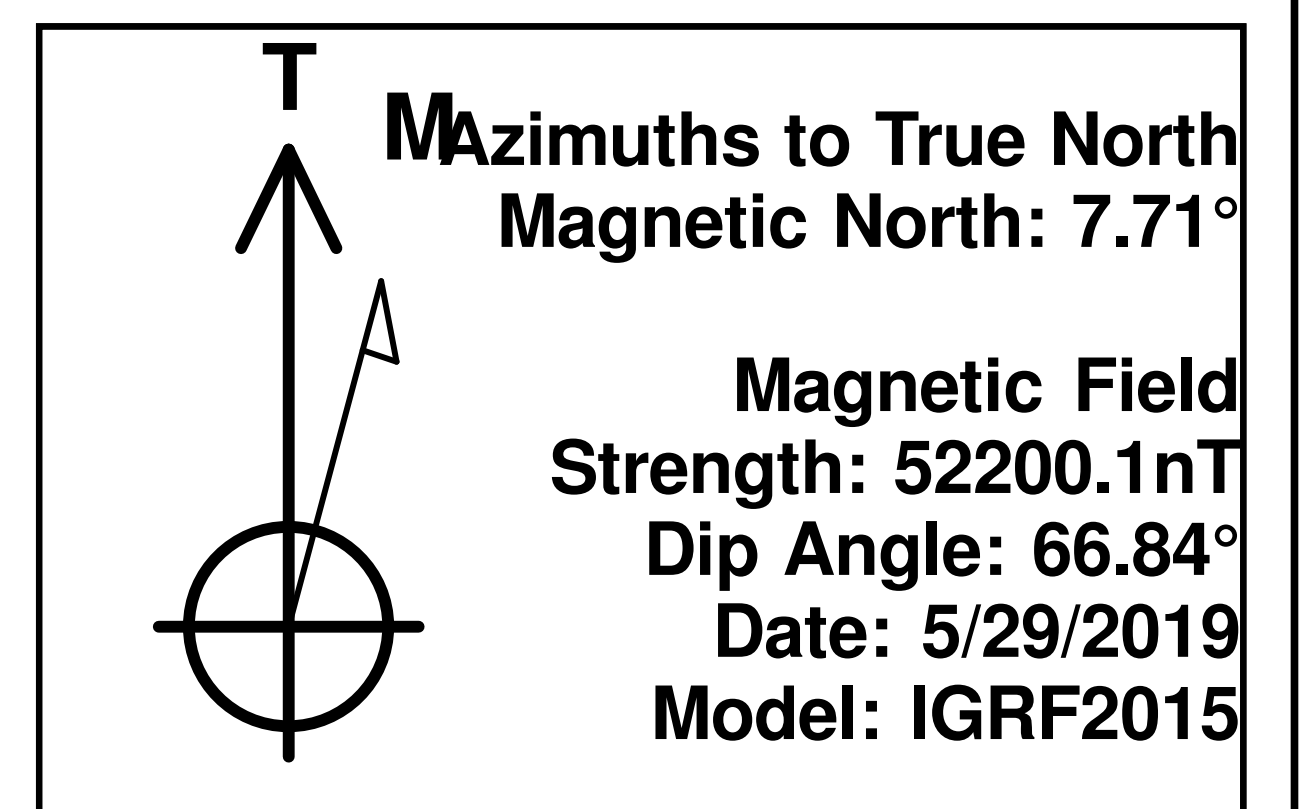
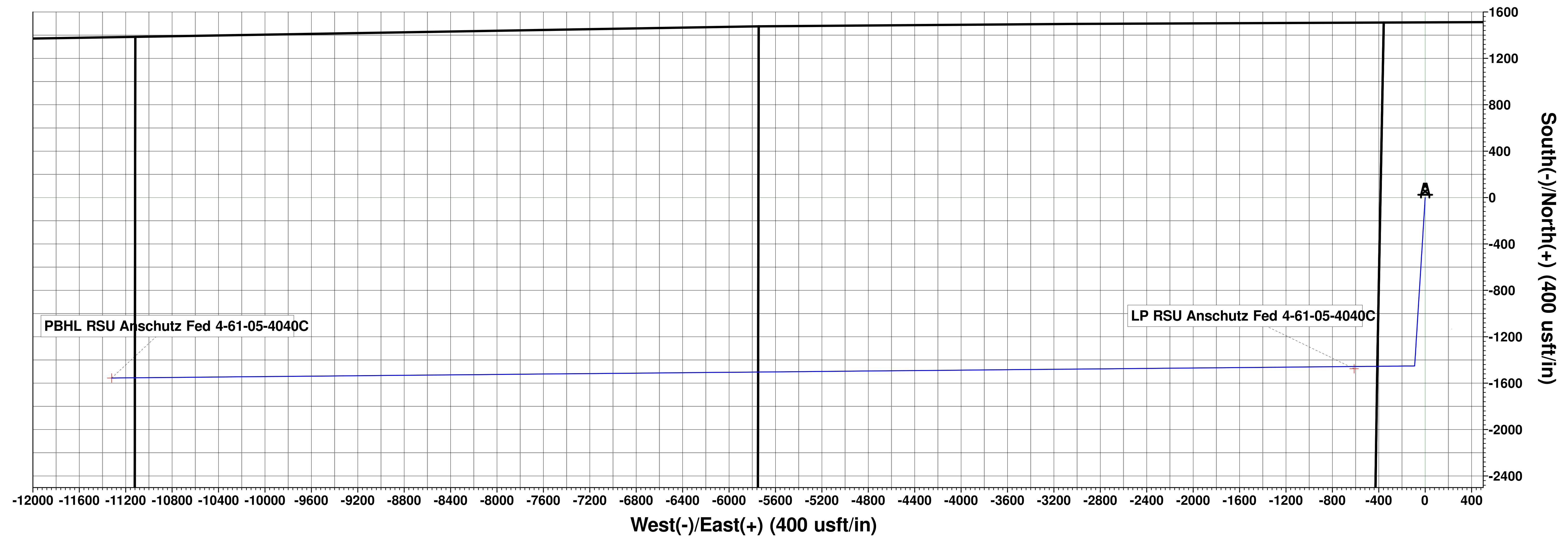


Ground Elevation:: 4501.50
RKB Elevation: KB @ 4518.00usft (Cade 23)
Rig Name: Cade 23



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
1	854.48	4.93	183.57	852.79	-40.99	-2.56	0.00	0.00	2.94	Start DLS 1.50 TFO 0.00
2	2192.29	25.00	183.57	2138.63	-384.05	-23.96	1.50	0.00	27.51	Start 1684.00 hold at 2192.29 MD
3	3876.29	25.00	183.57	3664.85	-1094.36	-68.28	0.00	0.00	78.40	Start Drop -1.50
4	5542.96	0.00	0.00	5279.13	-1451.54	-90.56	1.50	180.00	103.98	Start 100.00 hold at 5542.96 MD
5	5642.96	0.00	0.00	5379.13	-1451.54	-90.56	0.00	0.00	103.98	Start Build 11.00
6	6461.14	90.00	269.47	5900.00	-1456.36	-611.41	11.00	269.47	624.85	Start 10709.94 hold at 6461.14 MD
7	17171.09	90.00	269.47	5900.00	-1555.85	-11320.89	0.00	0.00	11334.80	TD at 17171.09



HighPoint Resources

Weld County, CO (NAD83)

Sec 04-T04N-R61W

RSU Anschutz Fed 4-61-05-4040C

Wellbore #2

Plan: Plan #2

Standard Planning Report

30 May, 2019

Planning Report

Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well RSU Anschutz Fed 4-61-05-4040C
Company:	HighPoint Resources	TVD Reference:	KB @ 4518.00usft (Cade 23)
Project:	Weld County, CO (NAD83)	MD Reference:	KB @ 4518.00usft (Cade 23)
Site:	Sec 04-T04N-R61W	North Reference:	True
Well:	RSU Anschutz Fed 4-61-05-4040C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #2		
Design:	Plan #2		

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 04-T04N-R61W			
Site Position:		Northing:	1,372,892.85 usft	Latitude: 40.349985
From:	Lat/Long	Easting:	3,355,207.48 usft	Longitude: -104.225513
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.82 °

Well	RSU Anschutz Fed 4-61-05-4040C			
Well Position	+N/-S	-1,508.54 usft	Northing:	1,371,389.60 usft
	+E/-W	357.34 usft	Easting:	3,355,586.45 usft
Position Uncertainty		0.00 usft	Wellhead Elevation:	Latitude: 40.345844
				Longitude: -104.224231
				Ground Level: 4,501.50 usft

Wellbore	Wellbore #2				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/29/2019	7.71	66.84	52,200.09881251

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	854.48
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	269.47

Plan Survey Tool Program	Date	5/29/2019		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	854.48	17,170.17	Plan #2 (Wellbore #2)	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
854.48	4.93	183.57	852.79	-40.99	-2.56	0.00	0.00	0.00	0.00	
2,192.29	25.00	183.57	2,138.63	-384.05	-23.96	1.50	1.50	0.00	0.00	
3,876.29	25.00	183.57	3,664.85	-1,094.36	-68.28	0.00	0.00	0.00	0.00	
5,542.96	0.00	0.00	5,279.13	-1,451.54	-90.56	1.50	-1.50	0.00	180.00	
5,642.96	0.00	0.00	5,379.13	-1,451.54	-90.56	0.00	0.00	0.00	0.00	
6,461.14	90.00	269.47	5,900.00	-1,456.36	-611.41	11.00	11.00	0.00	269.47	
17,171.09	90.00	269.47	5,900.00	-1,555.85	-11,320.89	0.00	0.00	0.00	0.00	PBHL RSU Anschutz

Planning Report

Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well RSU Anschutz Fed 4-61-05-4040C
Company:	HighPoint Resources	TVD Reference:	KB @ 4518.00usft (Cade 23)
Project:	Weld County, CO (NAD83)	MD Reference:	KB @ 4518.00usft (Cade 23)
Site:	Sec 04-T04N-R61W	North Reference:	True
Well:	RSU Anschutz Fed 4-61-05-4040C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #2		
Design:	Plan #2		

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
400.00	3.00	183.57	399.95	-2.61	-0.16	0.19	3.00	3.00	0.00
466.67	5.00	183.57	466.46	-7.25	-0.45	0.52	3.00	3.00	0.00
500.00	5.00	183.57	499.66	-10.15	-0.63	0.73	0.00	0.00	0.00
600.00	5.00	183.57	599.28	-18.85	-1.18	1.35	0.00	0.00	0.00
700.00	5.00	183.57	698.90	-27.55	-1.72	1.97	0.00	0.00	0.00
800.00	5.00	183.57	798.52	-36.25	-2.26	2.60	0.00	0.00	0.00
850.00	5.00	183.57	848.33	-40.60	-2.53	2.91	0.00	0.00	0.00
854.48	4.93	183.57	852.79	-40.99	-2.56	2.94	1.50	-1.50	0.00
Start DLS 1.50 TFO 0.00									
900.00	5.62	183.57	898.12	-45.16	-2.82	3.24	1.50	1.50	0.00
1,000.00	7.12	183.57	997.50	-56.23	-3.51	4.03	1.50	1.50	0.00
1,100.00	8.62	183.57	1,096.56	-69.89	-4.36	5.01	1.50	1.50	0.00
1,200.00	10.12	183.57	1,195.22	-86.13	-5.37	6.17	1.50	1.50	0.00
1,300.00	11.62	183.57	1,293.43	-104.94	-6.55	7.52	1.50	1.50	0.00
1,400.00	13.12	183.57	1,391.10	-126.31	-7.88	9.05	1.50	1.50	0.00
1,500.00	14.62	183.57	1,488.19	-150.23	-9.37	10.76	1.50	1.50	0.00
1,600.00	16.12	183.57	1,584.61	-176.68	-11.02	12.66	1.50	1.50	0.00
1,700.00	17.62	183.57	1,680.31	-205.63	-12.83	14.73	1.50	1.50	0.00
1,800.00	19.12	183.57	1,775.21	-237.08	-14.79	16.98	1.50	1.50	0.00
1,900.00	20.62	183.57	1,869.26	-270.99	-16.91	19.41	1.50	1.50	0.00
2,000.00	22.12	183.57	1,962.38	-307.35	-19.18	22.02	1.50	1.50	0.00
2,100.00	23.62	183.57	2,054.52	-346.13	-21.59	24.80	1.50	1.50	0.00
2,192.29	25.00	183.57	2,138.63	-384.05	-23.96	27.51	1.50	1.50	0.00
Start 1684.00 hold at 2192.29 MD									
2,200.00	25.00	183.57	2,145.61	-387.30	-24.16	27.74	0.00	0.00	0.00
2,300.00	25.00	183.57	2,236.24	-429.48	-26.79	30.77	0.00	0.00	0.00
2,400.00	25.00	183.57	2,326.87	-471.66	-29.43	33.79	0.00	0.00	0.00
2,500.00	25.00	183.57	2,417.51	-513.84	-32.06	36.81	0.00	0.00	0.00
2,600.00	25.00	183.57	2,508.14	-556.02	-34.69	39.83	0.00	0.00	0.00
2,700.00	25.00	183.57	2,598.77	-598.20	-37.32	42.85	0.00	0.00	0.00
2,800.00	25.00	183.57	2,689.40	-640.38	-39.95	45.87	0.00	0.00	0.00
2,900.00	25.00	183.57	2,780.03	-682.56	-42.58	48.90	0.00	0.00	0.00
3,000.00	25.00	183.57	2,870.66	-724.74	-45.22	51.92	0.00	0.00	0.00
3,100.00	25.00	183.57	2,961.29	-766.92	-47.85	54.94	0.00	0.00	0.00
3,200.00	25.00	183.57	3,051.92	-809.10	-50.48	57.96	0.00	0.00	0.00
3,300.00	25.00	183.57	3,142.55	-851.28	-53.11	60.98	0.00	0.00	0.00
3,400.00	25.00	183.57	3,233.18	-893.46	-55.74	64.00	0.00	0.00	0.00
3,500.00	25.00	183.57	3,323.81	-935.64	-58.37	67.03	0.00	0.00	0.00
3,600.00	25.00	183.57	3,414.44	-977.82	-61.01	70.05	0.00	0.00	0.00
3,700.00	25.00	183.57	3,505.08	-1,020.00	-63.64	73.07	0.00	0.00	0.00
3,800.00	25.00	183.57	3,595.71	-1,062.18	-66.27	76.09	0.00	0.00	0.00
3,876.29	25.00	183.57	3,664.85	-1,094.36	-68.28	78.40	0.00	0.00	0.00
Start Drop -1.50									
3,900.00	24.64	183.57	3,686.37	-1,104.29	-68.90	79.11	1.50	-1.50	0.00
4,000.00	23.14	183.57	3,777.79	-1,144.72	-71.42	82.00	1.50	-1.50	0.00
4,100.00	21.64	183.57	3,870.25	-1,182.74	-73.79	84.73	1.50	-1.50	0.00
4,200.00	20.14	183.57	3,963.67	-1,218.33	-76.01	87.28	1.50	-1.50	0.00
4,300.00	18.64	183.57	4,057.99	-1,251.47	-78.08	89.65	1.50	-1.50	0.00
4,400.00	17.14	183.57	4,153.15	-1,282.14	-79.99	91.85	1.50	-1.50	0.00

Planning Report

Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well RSU Anschutz Fed 4-61-05-4040C
Company:	HighPoint Resources	TVD Reference:	KB @ 4518.00usft (Cade 23)
Project:	Weld County, CO (NAD83)	MD Reference:	KB @ 4518.00usft (Cade 23)
Site:	Sec 04-T04N-R61W	North Reference:	True
Well:	RSU Anschutz Fed 4-61-05-4040C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #2		
Design:	Plan #2		

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)
4,500.00	15.64	183.57	4,249.09	-1,310.31	-81.75	93.87	1.50	-1.50	0.00
4,600.00	14.14	183.57	4,345.72	-1,335.96	-83.35	95.70	1.50	-1.50	0.00
4,700.00	12.64	183.57	4,443.00	-1,359.08	-84.79	97.36	1.50	-1.50	0.00
4,800.00	11.14	183.57	4,540.85	-1,379.65	-86.08	98.83	1.50	-1.50	0.00
4,900.00	9.64	183.57	4,639.21	-1,397.66	-87.20	100.12	1.50	-1.50	0.00
5,000.00	8.14	183.57	4,738.00	-1,413.09	-88.16	101.23	1.50	-1.50	0.00
5,100.00	6.64	183.57	4,837.17	-1,425.93	-88.96	102.15	1.50	-1.50	0.00
5,200.00	5.14	183.57	4,936.63	-1,436.18	-89.60	102.88	1.50	-1.50	0.00
5,300.00	3.64	183.57	5,036.34	-1,443.83	-90.08	103.43	1.50	-1.50	0.00
5,400.00	2.14	183.57	5,136.21	-1,448.87	-90.39	103.79	1.50	-1.50	0.00
5,500.00	0.64	183.57	5,236.17	-1,451.30	-90.55	103.97	1.50	-1.50	0.00
5,542.96	0.00	0.00	5,279.13	-1,451.54	-90.56	103.98	1.50	-1.50	0.00
Start 100.00 hold at 5542.96 MD									
5,600.00	0.00	0.00	5,336.17	-1,451.54	-90.56	103.98	0.00	0.00	0.00
5,642.96	0.00	0.00	5,379.13	-1,451.54	-90.56	103.98	0.00	0.00	0.00
Start Build 11.00									
5,650.00	0.77	269.47	5,386.17	-1,451.54	-90.61	104.03	11.00	11.00	0.00
5,700.00	6.27	269.47	5,436.06	-1,451.57	-93.68	107.10	11.00	11.00	0.00
5,750.00	11.77	269.47	5,485.42	-1,451.64	-101.52	114.94	11.00	11.00	0.00
5,800.00	17.27	269.47	5,533.81	-1,451.76	-114.05	127.48	11.00	11.00	0.00
5,850.00	22.77	269.47	5,580.76	-1,451.92	-131.17	144.59	11.00	11.00	0.00
5,900.00	28.27	269.47	5,625.87	-1,452.12	-152.70	166.13	11.00	11.00	0.00
5,950.00	33.77	269.47	5,668.70	-1,452.35	-178.46	191.89	11.00	11.00	0.00
6,000.00	39.27	269.47	5,708.86	-1,452.63	-208.21	221.64	11.00	11.00	0.00
6,050.00	44.77	269.47	5,745.99	-1,452.94	-241.67	255.10	11.00	11.00	0.00
6,100.00	50.27	269.47	5,779.74	-1,453.28	-278.53	291.96	11.00	11.00	0.00
6,150.00	55.77	269.47	5,809.81	-1,453.65	-318.46	331.89	11.00	11.00	0.00
6,200.00	61.27	269.47	5,835.90	-1,454.04	-361.08	374.52	11.00	11.00	0.00
6,250.00	66.77	269.47	5,857.79	-1,454.46	-406.01	419.45	11.00	11.00	0.00
6,300.00	72.27	269.47	5,875.28	-1,454.89	-452.83	466.27	11.00	11.00	0.00
6,350.00	77.77	269.47	5,888.19	-1,455.34	-501.11	514.55	11.00	11.00	0.00
6,400.00	83.27	269.47	5,896.42	-1,455.79	-550.41	563.85	11.00	11.00	0.00
6,450.00	88.77	269.47	5,899.89	-1,456.26	-600.27	613.71	11.00	11.00	0.00
6,461.14	90.00	269.47	5,900.00	-1,456.36	-611.41	624.85	11.00	11.00	0.00
Start 10709.94 hold at 6461.14 MD									
6,500.00	90.00	269.47	5,900.00	-1,456.72	-650.27	663.71	0.00	0.00	0.00
6,600.00	90.00	269.47	5,900.00	-1,457.64	-750.26	763.71	0.00	0.00	0.00
6,700.00	90.00	269.47	5,900.00	-1,458.57	-850.26	863.71	0.00	0.00	0.00
6,800.00	90.00	269.47	5,900.00	-1,459.49	-950.25	963.71	0.00	0.00	0.00
6,900.00	90.00	269.47	5,900.00	-1,460.42	-1,050.25	1,063.71	0.00	0.00	0.00
7,000.00	90.00	269.47	5,900.00	-1,461.34	-1,150.24	1,163.71	0.00	0.00	0.00
7,100.00	90.00	269.47	5,900.00	-1,462.27	-1,250.24	1,263.71	0.00	0.00	0.00
7,200.00	90.00	269.47	5,900.00	-1,463.19	-1,350.24	1,363.71	0.00	0.00	0.00
7,300.00	90.00	269.47	5,900.00	-1,464.12	-1,450.23	1,463.71	0.00	0.00	0.00
7,400.00	90.00	269.47	5,900.00	-1,465.04	-1,550.23	1,563.71	0.00	0.00	0.00
7,500.00	90.00	269.47	5,900.00	-1,465.97	-1,650.22	1,663.71	0.00	0.00	0.00
7,600.00	90.00	269.47	5,900.00	-1,466.89	-1,750.22	1,763.71	0.00	0.00	0.00
7,700.00	90.00	269.47	5,900.00	-1,467.82	-1,850.21	1,863.71	0.00	0.00	0.00
7,800.00	90.00	269.47	5,900.00	-1,468.74	-1,950.21	1,963.71	0.00	0.00	0.00
7,900.00	90.00	269.47	5,900.00	-1,469.67	-2,050.21	2,063.71	0.00	0.00	0.00
8,000.00	90.00	269.47	5,900.00	-1,470.59	-2,150.20	2,163.71	0.00	0.00	0.00
8,100.00	90.00	269.47	5,900.00	-1,471.52	-2,250.20	2,263.71	0.00	0.00	0.00
8,200.00	90.00	269.47	5,900.00	-1,472.44	-2,350.19	2,363.71	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well RSU Anschutz Fed 4-61-05-4040C
Company:	HighPoint Resources	TVD Reference:	KB @ 4518.00usft (Cade 23)
Project:	Weld County, CO (NAD83)	MD Reference:	KB @ 4518.00usft (Cade 23)
Site:	Sec 04-T04N-R61W	North Reference:	True
Well:	RSU Anschutz Fed 4-61-05-4040C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #2		
Design:	Plan #2		

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)	
8,300.00	90.00	269.47	5,900.00	-1,473.37	-2,450.19	2,463.71	0.00	0.00	0.00	
8,400.00	90.00	269.47	5,900.00	-1,474.29	-2,550.18	2,563.71	0.00	0.00	0.00	
8,500.00	90.00	269.47	5,900.00	-1,475.22	-2,650.18	2,663.71	0.00	0.00	0.00	
8,600.00	90.00	269.47	5,900.00	-1,476.14	-2,750.18	2,763.71	0.00	0.00	0.00	
8,700.00	90.00	269.47	5,900.00	-1,477.07	-2,850.17	2,863.71	0.00	0.00	0.00	
8,800.00	90.00	269.47	5,900.00	-1,477.99	-2,950.17	2,963.71	0.00	0.00	0.00	
8,900.00	90.00	269.47	5,900.00	-1,478.92	-3,050.16	3,063.71	0.00	0.00	0.00	
9,000.00	90.00	269.47	5,900.00	-1,479.84	-3,150.16	3,163.71	0.00	0.00	0.00	
9,100.00	90.00	269.47	5,900.00	-1,480.77	-3,250.15	3,263.71	0.00	0.00	0.00	
9,200.00	90.00	269.47	5,900.00	-1,481.69	-3,350.15	3,363.71	0.00	0.00	0.00	
9,300.00	90.00	269.47	5,900.00	-1,482.62	-3,450.15	3,463.71	0.00	0.00	0.00	
9,400.00	90.00	269.47	5,900.00	-1,483.54	-3,550.14	3,563.71	0.00	0.00	0.00	
9,500.00	90.00	269.47	5,900.00	-1,484.47	-3,650.14	3,663.71	0.00	0.00	0.00	
9,600.00	90.00	269.47	5,900.00	-1,485.39	-3,750.13	3,763.71	0.00	0.00	0.00	
9,700.00	90.00	269.47	5,900.00	-1,486.32	-3,850.13	3,863.71	0.00	0.00	0.00	
9,800.00	90.00	269.47	5,900.00	-1,487.24	-3,950.12	3,963.71	0.00	0.00	0.00	
9,900.00	90.00	269.47	5,900.00	-1,488.17	-4,050.12	4,063.71	0.00	0.00	0.00	
10,000.00	90.00	269.47	5,900.00	-1,489.09	-4,150.12	4,163.71	0.00	0.00	0.00	
10,100.00	90.00	269.47	5,900.00	-1,490.02	-4,250.11	4,263.71	0.00	0.00	0.00	
10,200.00	90.00	269.47	5,900.00	-1,490.94	-4,350.11	4,363.71	0.00	0.00	0.00	
10,300.00	90.00	269.47	5,900.00	-1,491.87	-4,450.10	4,463.71	0.00	0.00	0.00	
10,400.00	90.00	269.47	5,900.00	-1,492.79	-4,550.10	4,563.71	0.00	0.00	0.00	
10,500.00	90.00	269.47	5,900.00	-1,493.72	-4,650.09	4,663.71	0.00	0.00	0.00	
10,600.00	90.00	269.47	5,900.00	-1,494.64	-4,750.09	4,763.71	0.00	0.00	0.00	
10,700.00	90.00	269.47	5,900.00	-1,495.57	-4,850.09	4,863.71	0.00	0.00	0.00	
10,800.00	90.00	269.47	5,900.00	-1,496.49	-4,950.08	4,963.71	0.00	0.00	0.00	
10,900.00	90.00	269.47	5,900.00	-1,497.42	-5,050.08	5,063.71	0.00	0.00	0.00	
11,000.00	90.00	269.47	5,900.00	-1,498.34	-5,150.07	5,163.71	0.00	0.00	0.00	
11,100.00	90.00	269.47	5,900.00	-1,499.27	-5,250.07	5,263.71	0.00	0.00	0.00	
11,200.00	90.00	269.47	5,900.00	-1,500.19	-5,350.06	5,363.71	0.00	0.00	0.00	
11,300.00	90.00	269.47	5,900.00	-1,501.12	-5,450.06	5,463.71	0.00	0.00	0.00	
11,400.00	90.00	269.47	5,900.00	-1,502.04	-5,550.06	5,563.71	0.00	0.00	0.00	
11,500.00	90.00	269.47	5,900.00	-1,502.97	-5,650.05	5,663.71	0.00	0.00	0.00	
11,600.00	90.00	269.47	5,900.00	-1,503.89	-5,750.05	5,763.71	0.00	0.00	0.00	
11,700.00	90.00	269.47	5,900.00	-1,504.82	-5,850.04	5,863.71	0.00	0.00	0.00	
11,800.00	90.00	269.47	5,900.00	-1,505.74	-5,950.04	5,963.71	0.00	0.00	0.00	
11,900.00	90.00	269.47	5,900.00	-1,506.67	-6,050.03	6,063.71	0.00	0.00	0.00	
12,000.00	90.00	269.47	5,900.00	-1,507.59	-6,150.03	6,163.71	0.00	0.00	0.00	
12,100.00	90.00	269.47	5,900.00	-1,508.52	-6,250.03	6,263.71	0.00	0.00	0.00	
12,200.00	90.00	269.47	5,900.00	-1,509.44	-6,350.02	6,363.71	0.00	0.00	0.00	
12,300.00	90.00	269.47	5,900.00	-1,510.37	-6,450.02	6,463.71	0.00	0.00	0.00	
12,400.00	90.00	269.47	5,900.00	-1,511.29	-6,550.01	6,563.71	0.00	0.00	0.00	
12,500.00	90.00	269.47	5,900.00	-1,512.22	-6,650.01	6,663.71	0.00	0.00	0.00	
12,600.00	90.00	269.47	5,900.00	-1,513.14	-6,750.00	6,763.71	0.00	0.00	0.00	
12,700.00	90.00	269.47	5,900.00	-1,514.07	-6,850.00	6,863.71	0.00	0.00	0.00	
12,800.00	90.00	269.47	5,900.00	-1,514.99	-6,950.00	6,963.71	0.00	0.00	0.00	
12,900.00	90.00	269.47	5,900.00	-1,515.92	-7,049.99	7,063.71	0.00	0.00	0.00	
13,000.00	90.00	269.47	5,900.00	-1,516.84	-7,149.99	7,163.71	0.00	0.00	0.00	
13,100.00	90.00	269.47	5,900.00	-1,517.77	-7,249.98	7,263.71	0.00	0.00	0.00	
13,200.00	90.00	269.47	5,900.00	-1,518.69	-7,349.98	7,363.71	0.00	0.00	0.00	
13,300.00	90.00	269.47	5,900.00	-1,519.62	-7,449.97	7,463.71	0.00	0.00	0.00	
13,400.00	90.00	269.47	5,900.00	-1,520.54	-7,549.97	7,563.71	0.00	0.00	0.00	
13,500.00	90.00	269.47	5,900.00	-1,521.47	-7,649.97	7,663.71	0.00	0.00	0.00	
13,600.00	90.00	269.47	5,900.00	-1,522.39	-7,749.96	7,763.71	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well RSU Anschutz Fed 4-61-05-4040C
Company:	HighPoint Resources	TVD Reference:	KB @ 4518.00usft (Cade 23)
Project:	Weld County, CO (NAD83)	MD Reference:	KB @ 4518.00usft (Cade 23)
Site:	Sec 04-T04N-R61W	North Reference:	True
Well:	RSU Anschutz Fed 4-61-05-4040C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #2		
Design:	Plan #2		

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)
13,700.00	90.00	269.47	5,900.00	-1,523.32	-7,849.96	7,863.71	0.00	0.00	0.00
13,800.00	90.00	269.47	5,900.00	-1,524.24	-7,949.95	7,963.71	0.00	0.00	0.00
13,900.00	90.00	269.47	5,900.00	-1,525.17	-8,049.95	8,063.71	0.00	0.00	0.00
14,000.00	90.00	269.47	5,900.00	-1,526.09	-8,149.94	8,163.71	0.00	0.00	0.00
14,100.00	90.00	269.47	5,900.00	-1,527.02	-8,249.94	8,263.71	0.00	0.00	0.00
14,200.00	90.00	269.47	5,900.00	-1,527.94	-8,349.94	8,363.71	0.00	0.00	0.00
14,300.00	90.00	269.47	5,900.00	-1,528.87	-8,449.93	8,463.71	0.00	0.00	0.00
14,400.00	90.00	269.47	5,900.00	-1,529.79	-8,549.93	8,563.71	0.00	0.00	0.00
14,500.00	90.00	269.47	5,900.00	-1,530.72	-8,649.92	8,663.71	0.00	0.00	0.00
14,600.00	90.00	269.47	5,900.00	-1,531.64	-8,749.92	8,763.71	0.00	0.00	0.00
14,700.00	90.00	269.47	5,900.00	-1,532.57	-8,849.91	8,863.71	0.00	0.00	0.00
14,800.00	90.00	269.47	5,900.00	-1,533.49	-8,949.91	8,963.71	0.00	0.00	0.00
14,900.00	90.00	269.47	5,900.00	-1,534.42	-9,049.91	9,063.71	0.00	0.00	0.00
15,000.00	90.00	269.47	5,900.00	-1,535.34	-9,149.90	9,163.71	0.00	0.00	0.00
15,100.00	90.00	269.47	5,900.00	-1,536.27	-9,249.90	9,263.71	0.00	0.00	0.00
15,200.00	90.00	269.47	5,900.00	-1,537.19	-9,349.89	9,363.71	0.00	0.00	0.00
15,300.00	90.00	269.47	5,900.00	-1,538.12	-9,449.89	9,463.71	0.00	0.00	0.00
15,400.00	90.00	269.47	5,900.00	-1,539.04	-9,549.88	9,563.71	0.00	0.00	0.00
15,500.00	90.00	269.47	5,900.00	-1,539.97	-9,649.88	9,663.71	0.00	0.00	0.00
15,600.00	90.00	269.47	5,900.00	-1,540.89	-9,749.88	9,763.71	0.00	0.00	0.00
15,700.00	90.00	269.47	5,900.00	-1,541.82	-9,849.87	9,863.71	0.00	0.00	0.00
15,800.00	90.00	269.47	5,900.00	-1,542.74	-9,949.87	9,963.71	0.00	0.00	0.00
15,900.00	90.00	269.47	5,900.00	-1,543.67	-10,049.86	10,063.71	0.00	0.00	0.00
16,000.00	90.00	269.47	5,900.00	-1,544.59	-10,149.86	10,163.71	0.00	0.00	0.00
16,100.00	90.00	269.47	5,900.00	-1,545.52	-10,249.85	10,263.71	0.00	0.00	0.00
16,200.00	90.00	269.47	5,900.00	-1,546.44	-10,349.85	10,363.71	0.00	0.00	0.00
16,300.00	90.00	269.47	5,900.00	-1,547.37	-10,449.85	10,463.71	0.00	0.00	0.00
16,400.00	90.00	269.47	5,900.00	-1,548.29	-10,549.84	10,563.71	0.00	0.00	0.00
16,500.00	90.00	269.47	5,900.00	-1,549.22	-10,649.84	10,663.71	0.00	0.00	0.00
16,600.00	90.00	269.47	5,900.00	-1,550.14	-10,749.83	10,763.71	0.00	0.00	0.00
16,700.00	90.00	269.47	5,900.00	-1,551.07	-10,849.83	10,863.71	0.00	0.00	0.00
16,800.00	90.00	269.47	5,900.00	-1,551.99	-10,949.82	10,963.71	0.00	0.00	0.00
16,900.00	90.00	269.47	5,900.00	-1,552.92	-11,049.82	11,063.71	0.00	0.00	0.00
17,000.00	90.00	269.47	5,900.00	-1,553.84	-11,149.82	11,163.71	0.00	0.00	0.00
17,100.00	90.00	269.47	5,900.00	-1,554.77	-11,249.81	11,263.71	0.00	0.00	0.00
17,171.09	90.00	269.47	5,900.00	-1,555.43	-11,320.89	11,334.80	0.00	0.00	0.00
TD at 17171.09									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
LP RSU Anschutz Fed 4 - hit/miss target - Shape	0.00	0.00	5,900.00	-1,475.37	-612.69	1,369,905.57	3,354,995.05	40.341794	-104.226429
- plan misses target center by 19.00usft at 6462.60usft MD (5900.00 TVD, -1456.37 N, -612.87 E)									
- Point									
PBHL RSU Anschutz Fe - plan misses target center by 0.42usft at 17171.09usft MD (5900.00 TVD, -1555.43 N, -11320.89 E)	0.00	0.00	5,900.00	-1,555.85	-11,320.89	1,369,671.05	3,344,289.12	40.341566	-104.264844
- Point									

Planning Report

Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well RSU Anschutz Fed 4-61-05-4040C
Company:	HighPoint Resources	TVD Reference:	KB @ 4518.00usft (Cade 23)
Project:	Weld County, CO (NAD83)	MD Reference:	KB @ 4518.00usft (Cade 23)
Site:	Sec 04-T04N-R61W	North Reference:	True
Well:	RSU Anschutz Fed 4-61-05-4040C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #2		
Design:	Plan #2		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
854.48	852.79	-40.99	-2.56	Start DLS 1.50 TFO 0.00
2,192.29	2,138.63	-384.05	-23.96	Start 1684.00 hold at 2192.29 MD
3,876.29	3,664.85	-1,094.36	-68.28	Start Drop -1.50
5,542.96	5,279.13	-1,451.54	-90.56	Start 100.00 hold at 5542.96 MD
5,642.96	5,379.13	-1,451.54	-90.56	Start Build 11.00
6,461.14	5,900.00	-1,456.36	-611.41	Start 10709.94 hold at 6461.14 MD
17,171.09	5,900.00	-1,555.43	-11,320.89	TD at 17171.09