

# **HighPoint Resources**

**Weld County, CO (NAD83)**

**Sec 21-T04N-R62W**

**ANSCHUTZ EQUUS FARMS 4-62-21-5764C**

**Wellbore #1**

**Plan: Plan #2**

## **Standard Planning Report**

**01 April, 2020**

# Planning Report

<b>Database:</b>	EDM 5000.15 Single User Db	<b>Local Co-ordinate Reference:</b>	Well ANSCHUTZ EQUUS FARMS 4-62-21-5764C
<b>Company:</b>	HighPoint Resources	<b>TVD Reference:</b>	kb @ 4595.80usft (Cade 23)
<b>Project:</b>	Weld County, CO (NAD83)	<b>MD Reference:</b>	kb @ 4595.80usft (Cade 23)
<b>Site:</b>	Sec 21-T04N-R62W	<b>North Reference:</b>	True
<b>Well:</b>	ANSCHUTZ EQUUS FARMS 4-62-21-5764C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #2		

<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		

Site		Sec 21-T04N-R62W			
Site Position:		Northing:	1,356,013.42 usft	Latitude:	40.304835
From:	Lat/Long	Easting:	3,323,892.78 usft	Longitude:	-104.338650
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.75 °

Well	ANSCHUTZ EQUUS FARMS 4-62-21-5764C					
Well Position	+N/-S	-2,998.47 usft	Northing:	1,353,071.14 usft	Latitude:	40.296603
	+E/-W	4,271.05 usft	Easting:	3,328,202.74 usft	Longitude:	-104.323338
Position Uncertainty	0.00 usft		Wellhead Elevation:		Ground Level:	4,579.30 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	11/26/2019	7.71	66.78	52,107.41217323

Design	Plan #2			
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	270.12

<b>Plan Survey Tool Program</b>	<b>Date</b>	4/1/2020			
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>	
1	0.00	16,827.56 Plan #2 (Wellbore #1)	MWD+HRGM		
			OWSG MWD + HRGM		

<b>Plan Sections</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	<b>TFO (°)</b>	<b>Target</b>
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	145.20	466.46	-5.97	4.15	3.00	3.00	0.00	145.20	
850.00	5.00	145.20	848.33	-33.40	23.22	0.00	0.00	0.00	0.00	
1,776.47	23.53	145.20	1,742.33	-220.05	152.93	2.00	2.00	0.00	0.00	
6,096.41	23.53	145.20	5,703.08	-1,636.24	1,137.14	0.00	0.00	0.00	0.00	
7,128.52	90.00	270.12	6,366.00	-1,871.70	578.83	10.00	6.44	12.10	122.62	LP ANSCHUTZ EQUI
16,827.56	90.00	270.12	6,366.00	-1,850.72	-9,120.19	0.00	0.00	0.00	0.00	PBHL ANSCHUTZ EC

# Planning Report

<b>Database:</b>	EDM 5000.15 Single User Db	<b>Local Co-ordinate Reference:</b>	Well ANSCHUTZ EQUUS FARMS 4-62-21-5764C
<b>Company:</b>	HighPoint Resources	<b>TVD Reference:</b>	kb @ 4595.80usft (Cade 23)
<b>Project:</b>	Weld County, CO (NAD83)	<b>MD Reference:</b>	kb @ 4595.80usft (Cade 23)
<b>Site:</b>	Sec 21-T04N-R62W	<b>North Reference:</b>	True
<b>Well:</b>	ANSCHUTZ EQUUS FARMS 4-62-21-5764C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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
Start Build 3.00									
400.00	3.00	145.20	399.95	-2.15	1.49	-1.50	3.00	3.00	0.00
466.67	5.00	145.20	466.46	-5.97	4.15	-4.16	3.00	3.00	0.00
Start 383.33 hold at 466.67 MD									
500.00	5.00	145.20	499.66	-8.35	5.81	-5.82	0.00	0.00	0.00
600.00	5.00	145.20	599.28	-15.51	10.78	-10.81	0.00	0.00	0.00
700.00	5.00	145.20	698.90	-22.67	15.75	-15.80	0.00	0.00	0.00
800.00	5.00	145.20	798.52	-29.82	20.73	-20.79	0.00	0.00	0.00
850.00	5.00	145.20	848.33	-33.40	23.22	-23.28	0.00	0.00	0.00
Start DLS 2.00 TFO 0.00									
900.00	6.00	145.20	898.10	-37.34	25.95	-26.03	2.00	2.00	0.00
1,000.00	8.00	145.20	997.35	-47.34	32.90	-33.00	2.00	2.00	0.00
1,100.00	10.00	145.20	1,096.11	-60.19	41.83	-41.96	2.00	2.00	0.00
1,200.00	12.00	145.20	1,194.27	-75.86	52.72	-52.88	2.00	2.00	0.00
1,300.00	14.00	145.20	1,291.70	-94.33	65.56	-65.76	2.00	2.00	0.00
1,400.00	16.00	145.20	1,388.29	-115.58	80.33	-80.57	2.00	2.00	0.00
1,500.00	18.00	145.20	1,483.92	-139.59	97.01	-97.30	2.00	2.00	0.00
1,600.00	20.00	145.20	1,578.46	-166.32	115.59	-115.94	2.00	2.00	0.00
1,700.00	22.00	145.20	1,671.82	-195.75	136.04	-136.45	2.00	2.00	0.00
1,776.47	23.53	145.20	1,742.33	-220.05	152.93	-153.39	2.00	2.00	0.00
Start 4319.93 hold at 1776.47 MD									
1,800.00	23.53	145.20	1,763.90	-227.76	158.29	-158.77	0.00	0.00	0.00
1,900.00	23.53	145.20	1,855.59	-260.54	181.07	-181.62	0.00	0.00	0.00
2,000.00	23.53	145.20	1,947.27	-293.32	203.85	-204.47	0.00	0.00	0.00
2,100.00	23.53	145.20	2,038.96	-326.11	226.64	-227.32	0.00	0.00	0.00
2,200.00	23.53	145.20	2,130.64	-358.89	249.42	-250.17	0.00	0.00	0.00
2,300.00	23.53	145.20	2,222.33	-391.67	272.20	-273.02	0.00	0.00	0.00
2,400.00	23.53	145.20	2,314.01	-424.45	294.99	-295.88	0.00	0.00	0.00
2,500.00	23.53	145.20	2,405.70	-457.24	317.77	-318.73	0.00	0.00	0.00
2,600.00	23.53	145.20	2,497.38	-490.02	340.55	-341.58	0.00	0.00	0.00
2,700.00	23.53	145.20	2,589.07	-522.80	363.34	-364.43	0.00	0.00	0.00
2,800.00	23.53	145.20	2,680.76	-555.59	386.12	-387.28	0.00	0.00	0.00
2,900.00	23.53	145.20	2,772.44	-588.37	408.90	-410.13	0.00	0.00	0.00
3,000.00	23.53	145.20	2,864.13	-621.15	431.68	-432.98	0.00	0.00	0.00
3,100.00	23.53	145.20	2,955.81	-653.93	454.47	-455.84	0.00	0.00	0.00
3,200.00	23.53	145.20	3,047.50	-686.72	477.25	-478.69	0.00	0.00	0.00
3,300.00	23.53	145.20	3,139.18	-719.50	500.03	-501.54	0.00	0.00	0.00
3,400.00	23.53	145.20	3,230.87	-752.28	522.82	-524.39	0.00	0.00	0.00
3,500.00	23.53	145.20	3,322.55	-785.06	545.60	-547.24	0.00	0.00	0.00
3,600.00	23.53	145.20	3,414.24	-817.85	568.38	-570.09	0.00	0.00	0.00
3,700.00	23.53	145.20	3,505.92	-850.63	591.17	-592.95	0.00	0.00	0.00
3,800.00	23.53	145.20	3,597.61	-883.41	613.95	-615.80	0.00	0.00	0.00
3,900.00	23.53	145.20	3,689.30	-916.20	636.73	-638.65	0.00	0.00	0.00
4,000.00	23.53	145.20	3,780.98	-948.98	659.52	-661.50	0.00	0.00	0.00
4,100.00	23.53	145.20	3,872.67	-981.76	682.30	-684.35	0.00	0.00	0.00
4,200.00	23.53	145.20	3,964.35	-1,014.54	705.08	-707.20	0.00	0.00	0.00
4,300.00	23.53	145.20	4,056.04	-1,047.33	727.86	-730.06	0.00	0.00	0.00
4,400.00	23.53	145.20	4,147.72	-1,080.11	750.65	-752.91	0.00	0.00	0.00

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<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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	23.53	145.20	4,239.41	-1,112.89	773.43	-775.76	0.00	0.00	0.00
4,600.00	23.53	145.20	4,331.09	-1,145.67	796.21	-798.61	0.00	0.00	0.00
4,700.00	23.53	145.20	4,422.78	-1,178.46	819.00	-821.46	0.00	0.00	0.00
4,800.00	23.53	145.20	4,514.47	-1,211.24	841.78	-844.31	0.00	0.00	0.00
4,900.00	23.53	145.20	4,606.15	-1,244.02	864.56	-867.17	0.00	0.00	0.00
5,000.00	23.53	145.20	4,697.84	-1,276.80	887.35	-890.02	0.00	0.00	0.00
5,100.00	23.53	145.20	4,789.52	-1,309.59	910.13	-912.87	0.00	0.00	0.00
5,200.00	23.53	145.20	4,881.21	-1,342.37	932.91	-935.72	0.00	0.00	0.00
5,300.00	23.53	145.20	4,972.89	-1,375.15	955.69	-958.57	0.00	0.00	0.00
5,400.00	23.53	145.20	5,064.58	-1,407.94	978.48	-981.42	0.00	0.00	0.00
5,500.00	23.53	145.20	5,156.26	-1,440.72	1,001.26	-1,004.28	0.00	0.00	0.00
5,600.00	23.53	145.20	5,247.95	-1,473.50	1,024.04	-1,027.13	0.00	0.00	0.00
5,700.00	23.53	145.20	5,339.63	-1,506.28	1,046.83	-1,049.98	0.00	0.00	0.00
5,800.00	23.53	145.20	5,431.32	-1,539.07	1,069.61	-1,072.83	0.00	0.00	0.00
5,900.00	23.53	145.20	5,523.01	-1,571.85	1,092.39	-1,095.68	0.00	0.00	0.00
6,000.00	23.53	145.20	5,614.69	-1,604.63	1,115.18	-1,118.53	0.00	0.00	0.00
6,096.41	23.53	145.20	5,703.08	-1,636.24	1,137.14	-1,140.56	0.00	0.00	0.00
Start DLS 10.00 TFO 122.62									
6,100.00	23.34	145.97	5,706.38	-1,637.42	1,137.95	-1,141.37	10.00	-5.34	21.26
6,150.00	21.10	157.82	5,752.69	-1,653.97	1,146.89	-1,150.35	10.00	-4.47	23.72
6,200.00	19.85	171.70	5,799.56	-1,670.71	1,151.52	-1,155.02	10.00	-2.51	27.75
6,250.00	19.76	186.49	5,846.63	-1,687.52	1,151.79	-1,155.32	10.00	-0.17	29.59
6,300.00	20.86	200.58	5,893.55	-1,704.26	1,147.70	-1,151.27	10.00	2.20	28.18
6,350.00	22.97	212.75	5,939.96	-1,720.81	1,139.29	-1,142.89	10.00	4.23	24.35
6,400.00	25.85	222.67	5,985.50	-1,737.04	1,126.61	-1,130.25	10.00	5.76	19.83
6,450.00	29.27	230.57	6,029.83	-1,752.83	1,109.77	-1,113.44	10.00	6.84	15.80
6,500.00	33.07	236.87	6,072.62	-1,768.06	1,088.89	-1,092.59	10.00	7.59	12.61
6,550.00	37.12	241.98	6,113.53	-1,782.62	1,064.14	-1,067.87	10.00	8.10	10.21
6,600.00	41.35	246.19	6,152.25	-1,796.38	1,035.69	-1,039.45	10.00	8.46	8.43
6,650.00	45.71	249.74	6,188.50	-1,809.25	1,003.77	-1,007.55	10.00	8.72	7.10
6,700.00	50.17	252.80	6,221.99	-1,821.13	968.61	-972.43	10.00	8.91	6.11
6,750.00	54.70	255.48	6,252.47	-1,831.93	930.50	-934.33	10.00	9.05	5.36
6,800.00	59.28	257.87	6,279.71	-1,841.57	889.71	-893.56	10.00	9.16	4.79
6,850.00	63.90	260.05	6,303.49	-1,849.97	846.56	-850.43	10.00	9.24	4.35
6,900.00	68.55	262.06	6,323.65	-1,857.06	801.37	-805.26	10.00	9.30	4.02
6,950.00	73.22	263.94	6,340.02	-1,862.81	754.50	-758.40	10.00	9.34	3.77
7,000.00	77.91	265.74	6,352.48	-1,867.15	706.29	-710.19	10.00	9.38	3.59
7,050.00	82.61	267.47	6,360.94	-1,870.07	657.11	-661.02	10.00	9.40	3.46
7,100.00	87.31	269.16	6,365.33	-1,871.53	607.34	-611.26	10.00	9.41	3.39
7,128.52	90.00	270.12	6,366.00	-1,871.70	578.83	-582.75	10.00	9.42	3.36
Start 9699.04 hold at 7128.52 MD									
7,200.00	90.00	270.12	6,366.00	-1,871.55	507.35	-511.27	0.00	0.00	0.00
7,300.00	90.00	270.12	6,366.00	-1,871.33	407.35	-411.27	0.00	0.00	0.00
7,400.00	90.00	270.12	6,366.00	-1,871.11	307.35	-311.27	0.00	0.00	0.00
7,500.00	90.00	270.12	6,366.00	-1,870.90	207.35	-211.27	0.00	0.00	0.00
7,600.00	90.00	270.12	6,366.00	-1,870.68	107.35	-111.27	0.00	0.00	0.00
7,700.00	90.00	270.12	6,366.00	-1,870.47	7.35	-11.27	0.00	0.00	0.00
7,800.00	90.00	270.12	6,366.00	-1,870.25	-92.65	88.73	0.00	0.00	0.00
7,900.00	90.00	270.12	6,366.00	-1,870.03	-192.65	188.73	0.00	0.00	0.00
8,000.00	90.00	270.12	6,366.00	-1,869.82	-292.65	288.73	0.00	0.00	0.00
8,100.00	90.00	270.12	6,366.00	-1,869.60	-392.65	388.73	0.00	0.00	0.00
8,200.00	90.00	270.12	6,366.00	-1,869.38	-492.65	488.73	0.00	0.00	0.00
8,300.00	90.00	270.12	6,366.00	-1,869.17	-592.65	588.73	0.00	0.00	0.00

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<b>Project:</b>	Weld County, CO (NAD83)	<b>MD Reference:</b>	kb @ 4595.80usft (Cade 23)
<b>Site:</b>	Sec 21-T04N-R62W	<b>North Reference:</b>	True
<b>Well:</b>	ANSCHUTZ EQUUS FARMS 4-62-21-5764C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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)
8,400.00	90.00	270.12	6,366.00	-1,868.95	-692.65	688.73	0.00	0.00	0.00
8,500.00	90.00	270.12	6,366.00	-1,868.74	-792.65	788.73	0.00	0.00	0.00
8,600.00	90.00	270.12	6,366.00	-1,868.52	-892.65	888.73	0.00	0.00	0.00
8,700.00	90.00	270.12	6,366.00	-1,868.30	-992.65	988.73	0.00	0.00	0.00
8,800.00	90.00	270.12	6,366.00	-1,868.09	-1,092.65	1,088.73	0.00	0.00	0.00
8,900.00	90.00	270.12	6,366.00	-1,867.87	-1,192.65	1,188.73	0.00	0.00	0.00
9,000.00	90.00	270.12	6,366.00	-1,867.65	-1,292.65	1,288.73	0.00	0.00	0.00
9,100.00	90.00	270.12	6,366.00	-1,867.44	-1,392.65	1,388.73	0.00	0.00	0.00
9,200.00	90.00	270.12	6,366.00	-1,867.22	-1,492.65	1,488.73	0.00	0.00	0.00
9,300.00	90.00	270.12	6,366.00	-1,867.00	-1,592.65	1,588.73	0.00	0.00	0.00
9,400.00	90.00	270.12	6,366.00	-1,866.79	-1,692.64	1,688.73	0.00	0.00	0.00
9,500.00	90.00	270.12	6,366.00	-1,866.57	-1,792.64	1,788.73	0.00	0.00	0.00
9,600.00	90.00	270.12	6,366.00	-1,866.36	-1,892.64	1,888.73	0.00	0.00	0.00
9,700.00	90.00	270.12	6,366.00	-1,866.14	-1,992.64	1,988.73	0.00	0.00	0.00
9,800.00	90.00	270.12	6,366.00	-1,865.92	-2,092.64	2,088.73	0.00	0.00	0.00
9,900.00	90.00	270.12	6,366.00	-1,865.71	-2,192.64	2,188.73	0.00	0.00	0.00
10,000.00	90.00	270.12	6,366.00	-1,865.49	-2,292.64	2,288.73	0.00	0.00	0.00
10,100.00	90.00	270.12	6,366.00	-1,865.27	-2,392.64	2,388.73	0.00	0.00	0.00
10,200.00	90.00	270.12	6,366.00	-1,865.06	-2,492.64	2,488.73	0.00	0.00	0.00
10,300.00	90.00	270.12	6,366.00	-1,864.84	-2,592.64	2,588.73	0.00	0.00	0.00
10,400.00	90.00	270.12	6,366.00	-1,864.63	-2,692.64	2,688.73	0.00	0.00	0.00
10,500.00	90.00	270.12	6,366.00	-1,864.41	-2,792.64	2,788.73	0.00	0.00	0.00
10,600.00	90.00	270.12	6,366.00	-1,864.19	-2,892.64	2,888.73	0.00	0.00	0.00
10,700.00	90.00	270.12	6,366.00	-1,863.98	-2,992.64	2,988.73	0.00	0.00	0.00
10,800.00	90.00	270.12	6,366.00	-1,863.76	-3,092.64	3,088.73	0.00	0.00	0.00
10,900.00	90.00	270.12	6,366.00	-1,863.54	-3,192.64	3,188.73	0.00	0.00	0.00
11,000.00	90.00	270.12	6,366.00	-1,863.33	-3,292.64	3,288.73	0.00	0.00	0.00
11,100.00	90.00	270.12	6,366.00	-1,863.11	-3,392.64	3,388.73	0.00	0.00	0.00
11,200.00	90.00	270.12	6,366.00	-1,862.89	-3,492.64	3,488.73	0.00	0.00	0.00
11,300.00	90.00	270.12	6,366.00	-1,862.68	-3,592.64	3,588.73	0.00	0.00	0.00
11,400.00	90.00	270.12	6,366.00	-1,862.46	-3,692.64	3,688.73	0.00	0.00	0.00
11,500.00	90.00	270.12	6,366.00	-1,862.25	-3,792.64	3,788.73	0.00	0.00	0.00
11,600.00	90.00	270.12	6,366.00	-1,862.03	-3,892.64	3,888.73	0.00	0.00	0.00
11,700.00	90.00	270.12	6,366.00	-1,861.81	-3,992.64	3,988.73	0.00	0.00	0.00
11,800.00	90.00	270.12	6,366.00	-1,861.60	-4,092.64	4,088.73	0.00	0.00	0.00
11,900.00	90.00	270.12	6,366.00	-1,861.38	-4,192.64	4,188.73	0.00	0.00	0.00
12,000.00	90.00	270.12	6,366.00	-1,861.16	-4,292.64	4,288.73	0.00	0.00	0.00
12,100.00	90.00	270.12	6,366.00	-1,860.95	-4,392.64	4,388.73	0.00	0.00	0.00
12,200.00	90.00	270.12	6,366.00	-1,860.73	-4,492.64	4,488.73	0.00	0.00	0.00
12,300.00	90.00	270.12	6,366.00	-1,860.51	-4,592.64	4,588.73	0.00	0.00	0.00
12,400.00	90.00	270.12	6,366.00	-1,860.30	-4,692.64	4,688.73	0.00	0.00	0.00
12,500.00	90.00	270.12	6,366.00	-1,860.08	-4,792.64	4,788.73	0.00	0.00	0.00
12,600.00	90.00	270.12	6,366.00	-1,859.87	-4,892.64	4,888.73	0.00	0.00	0.00
12,700.00	90.00	270.12	6,366.00	-1,859.65	-4,992.64	4,988.73	0.00	0.00	0.00
12,800.00	90.00	270.12	6,366.00	-1,859.43	-5,092.64	5,088.73	0.00	0.00	0.00
12,900.00	90.00	270.12	6,366.00	-1,859.22	-5,192.64	5,188.73	0.00	0.00	0.00
13,000.00	90.00	270.12	6,366.00	-1,859.00	-5,292.64	5,288.73	0.00	0.00	0.00
13,100.00	90.00	270.12	6,366.00	-1,858.78	-5,392.64	5,388.73	0.00	0.00	0.00
13,200.00	90.00	270.12	6,366.00	-1,858.57	-5,492.64	5,488.73	0.00	0.00	0.00
13,300.00	90.00	270.12	6,366.00	-1,858.35	-5,592.64	5,588.73	0.00	0.00	0.00
13,400.00	90.00	270.12	6,366.00	-1,858.14	-5,692.64	5,688.73	0.00	0.00	0.00
13,500.00	90.00	270.12	6,366.00	-1,857.92	-5,792.64	5,788.73	0.00	0.00	0.00

# Planning Report

<b>Database:</b>	EDM 5000.15 Single User Db	<b>Local Co-ordinate Reference:</b>	Well ANSCHUTZ EQUUS FARMS 4-62-21-5764C
<b>Company:</b>	HighPoint Resources	<b>TVD Reference:</b>	kb @ 4595.80usft (Cade 23)
<b>Project:</b>	Weld County, CO (NAD83)	<b>MD Reference:</b>	kb @ 4595.80usft (Cade 23)
<b>Site:</b>	Sec 21-T04N-R62W	<b>North Reference:</b>	True
<b>Well:</b>	ANSCHUTZ EQUUS FARMS 4-62-21-5764C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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)
13,600.00	90.00	270.12	6,366.00	-1,857.70	-5,892.64	5,888.73	0.00	0.00	0.00
13,700.00	90.00	270.12	6,366.00	-1,857.49	-5,992.63	5,988.73	0.00	0.00	0.00
13,800.00	90.00	270.12	6,366.00	-1,857.27	-6,092.63	6,088.73	0.00	0.00	0.00
13,900.00	90.00	270.12	6,366.00	-1,857.05	-6,192.63	6,188.73	0.00	0.00	0.00
14,000.00	90.00	270.12	6,366.00	-1,856.84	-6,292.63	6,288.73	0.00	0.00	0.00
14,100.00	90.00	270.12	6,366.00	-1,856.62	-6,392.63	6,388.73	0.00	0.00	0.00
14,200.00	90.00	270.12	6,366.00	-1,856.40	-6,492.63	6,488.73	0.00	0.00	0.00
14,300.00	90.00	270.12	6,366.00	-1,856.19	-6,592.63	6,588.73	0.00	0.00	0.00
14,400.00	90.00	270.12	6,366.00	-1,855.97	-6,692.63	6,688.73	0.00	0.00	0.00
14,500.00	90.00	270.12	6,366.00	-1,855.76	-6,792.63	6,788.73	0.00	0.00	0.00
14,600.00	90.00	270.12	6,366.00	-1,855.54	-6,892.63	6,888.73	0.00	0.00	0.00
14,700.00	90.00	270.12	6,366.00	-1,855.32	-6,992.63	6,988.73	0.00	0.00	0.00
14,800.00	90.00	270.12	6,366.00	-1,855.11	-7,092.63	7,088.73	0.00	0.00	0.00
14,900.00	90.00	270.12	6,366.00	-1,854.89	-7,192.63	7,188.73	0.00	0.00	0.00
15,000.00	90.00	270.12	6,366.00	-1,854.67	-7,292.63	7,288.73	0.00	0.00	0.00
15,100.00	90.00	270.12	6,366.00	-1,854.46	-7,392.63	7,388.73	0.00	0.00	0.00
15,200.00	90.00	270.12	6,366.00	-1,854.24	-7,492.63	7,488.73	0.00	0.00	0.00
15,300.00	90.00	270.12	6,366.00	-1,854.02	-7,592.63	7,588.73	0.00	0.00	0.00
15,400.00	90.00	270.12	6,366.00	-1,853.81	-7,692.63	7,688.73	0.00	0.00	0.00
15,500.00	90.00	270.12	6,366.00	-1,853.59	-7,792.63	7,788.73	0.00	0.00	0.00
15,600.00	90.00	270.12	6,366.00	-1,853.38	-7,892.63	7,888.73	0.00	0.00	0.00
15,700.00	90.00	270.12	6,366.00	-1,853.16	-7,992.63	7,988.73	0.00	0.00	0.00
15,800.00	90.00	270.12	6,366.00	-1,852.94	-8,092.63	8,088.73	0.00	0.00	0.00
15,900.00	90.00	270.12	6,366.00	-1,852.73	-8,192.63	8,188.73	0.00	0.00	0.00
16,000.00	90.00	270.12	6,366.00	-1,852.51	-8,292.63	8,288.73	0.00	0.00	0.00
16,100.00	90.00	270.12	6,366.00	-1,852.29	-8,392.63	8,388.73	0.00	0.00	0.00
16,200.00	90.00	270.12	6,366.00	-1,852.08	-8,492.63	8,488.73	0.00	0.00	0.00
16,300.00	90.00	270.12	6,366.00	-1,851.86	-8,592.63	8,588.73	0.00	0.00	0.00
16,400.00	90.00	270.12	6,366.00	-1,851.65	-8,692.63	8,688.73	0.00	0.00	0.00
16,500.00	90.00	270.12	6,366.00	-1,851.43	-8,792.63	8,788.73	0.00	0.00	0.00
16,600.00	90.00	270.12	6,366.00	-1,851.21	-8,892.63	8,888.73	0.00	0.00	0.00
16,700.00	90.00	270.12	6,366.00	-1,851.00	-8,992.63	8,988.73	0.00	0.00	0.00
16,800.00	90.00	270.12	6,366.00	-1,850.78	-9,092.63	9,088.73	0.00	0.00	0.00
16,827.56	90.00	270.12	6,366.00	-1,850.72	-9,120.19	9,116.29	0.00	0.00	0.00
TD at 16827.56									

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
LP ANSCHUTZ EQUUS - plan hits target center - Point	0.00	0.00	6,366.00	-1,871.70	578.83	1,351,207.29	3,328,806.36	40.291465	-104.321263
PBHL ANSCHUTZ EQU - plan hits target center - Point	0.00	0.00	6,366.00	-1,850.72	-9,120.19	1,351,099.57	3,319,107.91	40.291518	-104.356032

# Planning Report

<b>Database:</b>	EDM 5000.15 Single User Db	<b>Local Co-ordinate Reference:</b>	Well ANSCHUTZ EQUUS FARMS 4-62-21-5764C
<b>Company:</b>	HighPoint Resources	<b>TVD Reference:</b>	kb @ 4595.80usft (Cade 23)
<b>Project:</b>	Weld County, CO (NAD83)	<b>MD Reference:</b>	kb @ 4595.80usft (Cade 23)
<b>Site:</b>	Sec 21-T04N-R62W	<b>North Reference:</b>	True
<b>Well:</b>	ANSCHUTZ EQUUS FARMS 4-62-21-5764C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #2		

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	-5.97	4.15	Start 383.33 hold at 466.67 MD	
850.00	848.33	-33.40	23.22	Start DLS 2.00 TFO 0.00	
1,776.47	1,742.33	-220.05	152.93	Start 4319.93 hold at 1776.47 MD	
6,096.41	5,703.08	-1,636.24	1,137.14	Start DLS 10.00 TFO 122.62	
7,128.52	6,366.00	-1,871.70	578.83	Start 9699.04 hold at 7128.52 MD	
16,827.56	6,366.00	-1,850.72	-9,120.19	TD at 16827.56	



HighPoint Resources  
Project: Weld County, CO (NAD83)  
Site: Sec 21-T04N-R62W  
Well: ANSCHUTZ EQUUS FARMS 4-62-21-5764C  
Wellbore: Wellbore #1  
Plan: Plan #2 (ANSCHUTZ EQUUS FARMS 4-62-21-5764C/Wellbore #1)  
Cade 23

WELL DETAILS: ANSCHUTZ EQUUS FARMS 4-62-21-5764C

Ground Elevation:: 4579.30  
RKB Elevation: kb @ 4595.80usft (Cade 23)  
Rig Name: Cade 23



Northing	Easting	Latitude	Longitude
1353071.14	3328202.74	40.296603	-104.323338

