

HighPoint Resources

Weld County, CO (NAD83)

Sec 35-T05N-R61W

Anschutz Coffelt 5-61-35-3225B

Wellbore #1

Design: Wellbore #1

Standard Survey Report

15 June, 2019



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

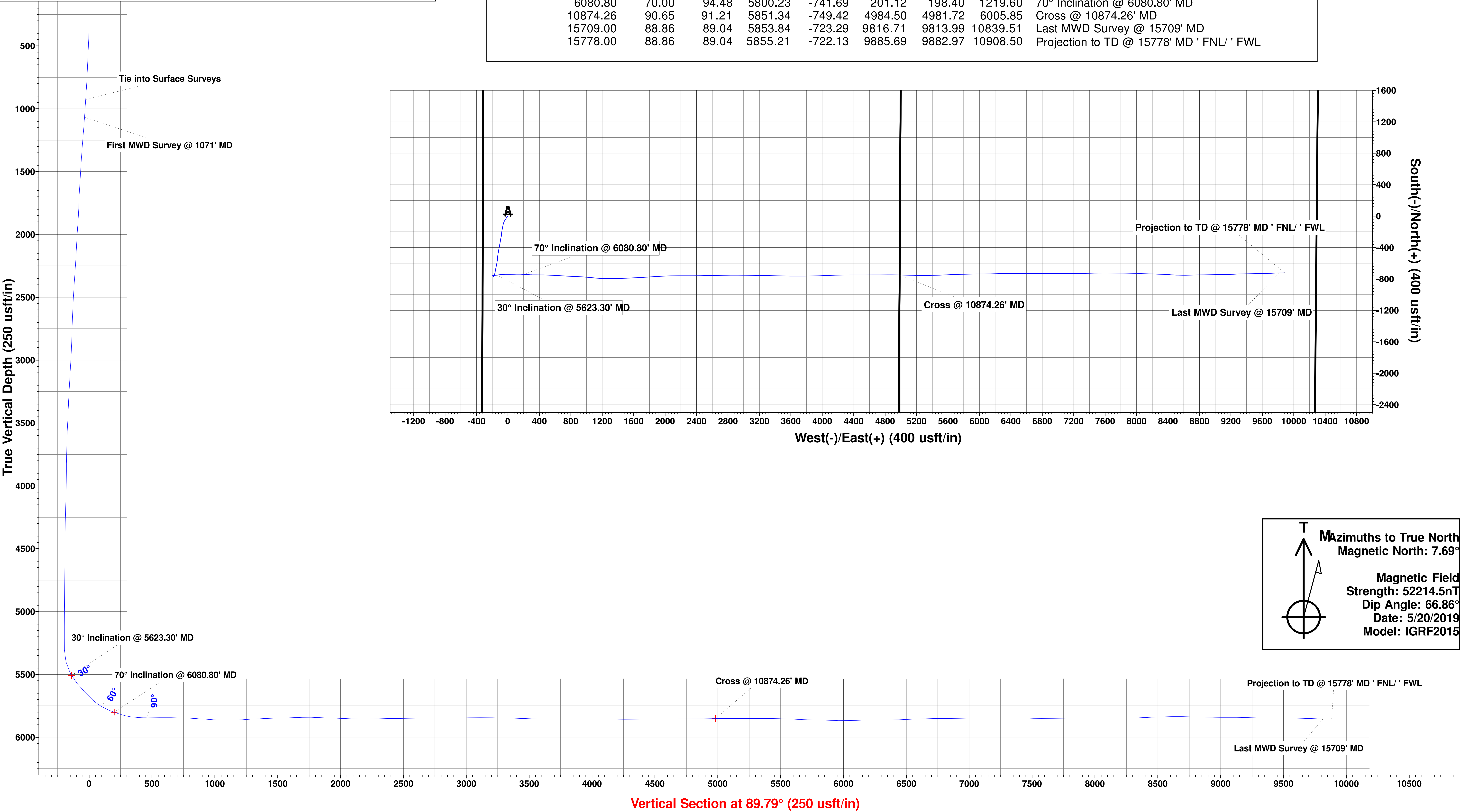
WELL DETAILS: Anschutz Coffelt 5-61-35-3225B

Ground Elevation:: 4491.60
RKB Elevation: KB @ 4508.10usft (Cade 23)
Rig Name: Cade 23



HighPoint Resources
Project: Weld County, CO (NAD83)
Site: Sec 35-T05N-R61W
Well: Anschutz Coffelt 5-61-35-3225B
Wellbore: Wellbore #1
Design: Wellbore #1 (Anschutz Coffelt 5-61-35-3225B/Wellbore #1)
Cade 23

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation	
928.50	6.59	213.63	926.59	-35.11	-27.13	-27.26	48.89	Tie into Surface Surveys	
1071.00	7.11	213.13	1068.07	-49.31	-36.48	-36.66	65.88	First MWD Survey @ 1071' MD	
5623.30	30.00	81.56	5506.48	-750.42	-137.69	-140.44	881.51	30° Inclination @ 5623.30' MD	
6080.80	70.00	94.48	5800.23	-741.69	201.12	198.40	1219.60	70° Inclination @ 6080.80' MD	
10874.26	90.65	91.21	5851.34	-749.42	4984.50	4981.72	6005.85	Cross @ 10874.26' MD	
15709.00	88.86	89.04	5853.84	-723.29	9816.71	9813.99	10839.51	Last MWD Survey @ 15709' MD	
15778.00	88.86	89.04	5855.21	-722.13	9885.69	9882.97	10908.50	Projection to TD @ 15778' MD ' FNL/ ' FWL	



Mazimuths to True North
Magnetic North: 7.69°

Magnetic Field
Strength: 52214.5nT
Dip Angle: 66.86°
Date: 5/20/2019
Model: IGRF2015

Survey Report

Company:	HighPoint Resources	Local Co-ordinate Reference:	Well Anschutz Coffelt 5-61-35-3225B
Project:	Weld County, CO (NAD83)	TVD Reference:	KB @ 4508.10usft (Cade 23)
Site:	Sec 35-T05N-R61W	MD Reference:	KB @ 4508.10usft (Cade 23)
Well:	Anschutz Coffelt 5-61-35-3225B	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

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 35-T05N-R61W			
Site Position:		Northing:	1,378,423.70 usft	Latitude:	40.364722
From:	Lat/Long	Easting:	3,366,282.02 usft	Longitude:	-104.185489
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.85 °

Well	Anschutz Coffelt 5-61-35-3225B					
Well Position	+N/-S	0.00 usft	Northing:	1,376,806.70 usft	Latitude:	40.360270
	+E/-W	0.00 usft	Easting:	3,366,620.93 usft	Longitude:	-104.184359
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	4,491.60 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/20/2019	7.69	66.86	52,214.45228063

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	89.79	

Survey Program	Date	6/15/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
112.50	928.50	Surface Surveys (Wellbore #1)	MWD	MWD - Standard	
1,071.00	15,778.00	Atlas MWD Surveys (Wellbore #1)	MWD	MWD - Standard	

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	
112.50	0.75	1.46	112.50	0.74	0.02	0.02	0.67	0.67	0.00	
208.50	0.66	358.74	208.49	1.92	0.02	0.03	0.10	-0.09	-2.83	
303.50	0.83	208.62	303.49	1.86	-0.32	-0.31	1.52	0.18	-158.02	
398.50	2.37	218.90	398.45	-0.27	-1.88	-1.88	1.64	1.62	10.82	
493.50	3.91	221.36	493.30	-4.23	-5.26	-5.27	1.63	1.62	2.59	
588.50	4.09	217.50	588.07	-9.35	-9.46	-9.49	0.34	0.19	-4.06	
683.50	4.40	213.10	682.81	-15.09	-13.51	-13.57	0.47	0.33	-4.63	
779.50	5.41	213.98	778.46	-21.93	-18.05	-18.13	1.05	1.05	0.92	
874.50	6.50	215.21	872.94	-30.04	-23.66	-23.77	1.16	1.15	1.29	

Survey Report

Company:	HighPoint Resources	Local Co-ordinate Reference:	Well Anschutz Coffelt 5-61-35-3225B
Project:	Weld County, CO (NAD83)	TVD Reference:	KB @ 4508.10usft (Cade 23)
Site:	Sec 35-T05N-R61W	MD Reference:	KB @ 4508.10usft (Cade 23)
Well:	Anschutz Coffelt 5-61-35-3225B	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

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)
928.50	6.59	213.63	926.59	-35.11	-27.13	-27.26	0.37	0.17	-2.93
Tie into Surface Surveys									
1,071.00	7.11	213.13	1,068.07	-49.31	-36.48	-36.66	0.37	0.36	-0.35
First MWD Survey @ 1071' MD									
1,163.00	8.88	210.18	1,159.18	-60.22	-43.16	-43.38	1.97	1.92	-3.21
1,255.00	11.00	204.32	1,249.79	-74.35	-50.35	-50.62	2.55	2.30	-6.37
1,347.00	13.61	197.14	1,339.68	-92.70	-57.16	-57.50	3.28	2.84	-7.80
1,439.00	15.73	192.24	1,428.67	-115.23	-62.99	-63.41	2.67	2.30	-5.33
1,531.00	17.15	190.39	1,516.91	-140.77	-68.08	-68.60	1.64	1.54	-2.01
1,623.00	19.35	191.41	1,604.28	-169.05	-73.54	-74.16	2.42	2.39	1.11
1,718.00	19.27	187.04	1,693.94	-200.04	-78.58	-79.31	1.52	-0.08	-4.60
1,812.00	18.25	183.56	1,782.95	-230.12	-81.39	-82.24	1.61	-1.09	-3.70
1,907.00	18.60	192.24	1,873.09	-259.78	-85.53	-86.48	2.91	0.37	9.14
2,001.00	18.43	191.58	1,962.23	-288.99	-91.69	-92.75	0.29	-0.18	-0.70
2,096.00	17.81	189.03	2,052.52	-318.05	-96.99	-98.15	1.06	-0.65	-2.68
2,191.00	17.37	188.45	2,143.08	-346.42	-101.35	-102.62	0.50	-0.46	-0.61
2,286.00	18.43	192.20	2,233.48	-375.13	-106.61	-107.98	1.65	1.12	3.95
2,381.00	18.87	191.14	2,323.49	-404.88	-112.75	-114.23	0.58	0.46	-1.12
2,475.00	18.56	189.95	2,412.52	-434.53	-118.27	-119.86	0.52	-0.33	-1.27
2,571.00	18.38	189.38	2,503.58	-464.51	-123.38	-125.08	0.27	-0.19	-0.59
2,665.00	17.90	187.79	2,592.91	-493.45	-127.75	-129.56	0.73	-0.51	-1.69
2,760.00	16.44	187.26	2,683.67	-521.25	-131.43	-133.34	1.55	-1.54	-0.56
2,855.00	15.07	185.06	2,775.10	-546.89	-134.22	-136.22	1.57	-1.44	-2.32
2,950.00	16.04	186.25	2,866.62	-572.24	-136.74	-138.83	1.07	1.02	1.25
3,045.00	15.91	190.83	2,957.95	-598.07	-140.61	-142.80	1.33	-0.14	4.82
3,141.00	15.11	192.42	3,050.46	-623.22	-145.77	-148.06	0.94	-0.83	1.66
3,235.00	15.91	191.50	3,141.03	-647.81	-150.98	-153.35	0.89	0.85	-0.98
3,329.00	15.38	191.36	3,231.55	-672.65	-156.00	-158.47	0.57	-0.56	-0.15
3,423.00	14.41	190.44	3,322.39	-696.38	-160.58	-163.13	1.06	-1.03	-0.98
3,517.00	11.93	189.56	3,413.91	-717.47	-164.31	-166.94	2.65	-2.64	-0.94
3,612.00	9.63	198.41	3,507.24	-734.69	-168.45	-171.14	2.98	-2.42	9.32
3,707.00	7.07	197.44	3,601.22	-747.81	-172.71	-175.45	2.70	-2.69	-1.02
3,801.00	4.51	189.51	3,694.73	-756.98	-175.06	-177.83	2.85	-2.72	-8.44
3,896.00	2.87	215.91	3,789.54	-762.59	-177.07	-179.87	2.44	-1.73	27.79
3,991.00	0.75	138.83	3,884.50	-764.98	-178.06	-180.86	2.95	-2.23	-81.14
4,086.00	1.59	241.25	3,979.48	-766.08	-178.80	-181.61	2.00	0.88	107.81
4,181.00	1.41	269.85	4,074.45	-766.72	-181.13	-183.94	0.80	-0.19	30.11
4,276.00	1.68	266.98	4,169.42	-766.80	-183.69	-186.50	0.30	0.28	-3.02
4,372.00	1.28	297.74	4,265.39	-766.37	-186.04	-188.85	0.91	-0.42	32.04
4,467.00	1.10	307.52	4,360.37	-765.32	-187.70	-190.51	0.29	-0.19	10.29
4,561.00	0.80	303.91	4,454.35	-764.41	-188.96	-191.76	0.33	-0.32	-3.84
4,655.00	0.66	324.45	4,548.34	-763.60	-189.82	-192.62	0.31	-0.15	21.85
4,750.00	0.66	303.91	4,643.34	-762.85	-190.60	-193.39	0.25	0.00	-21.62

Survey Report

Company:	HighPoint Resources	Local Co-ordinate Reference:	Well Anschutz Coffelt 5-61-35-3225B
Project:	Weld County, CO (NAD83)	TVD Reference:	KB @ 4508.10usft (Cade 23)
Site:	Sec 35-T05N-R61W	MD Reference:	KB @ 4508.10usft (Cade 23)
Well:	Anschutz Coffelt 5-61-35-3225B	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

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)
4,845.00	1.06	341.81	4,738.33	-761.71	-191.32	-194.12	0.71	0.42	39.89
4,939.00	1.55	339.25	4,832.30	-759.70	-192.05	-194.83	0.52	0.52	-2.72
5,034.00	1.50	340.00	4,927.27	-757.33	-192.93	-195.70	0.06	-0.05	0.79
5,129.00	0.40	286.20	5,022.26	-756.06	-193.67	-196.44	1.37	-1.16	-56.63
5,223.00	0.04	286.20	5,116.26	-755.96	-194.02	-196.79	0.38	-0.38	0.00
5,317.00	0.18	322.68	5,210.26	-755.84	-194.14	-196.91	0.16	0.15	38.81
5,411.00	0.80	37.17	5,304.25	-755.20	-193.83	-196.60	0.82	0.66	79.24
5,506.00	14.36	91.77	5,398.23	-755.03	-181.60	-184.36	14.64	14.27	57.47
5,600.00	27.04	81.15	5,486.01	-752.09	-148.69	-151.44	14.02	13.49	-11.30
5,623.30	30.00	81.56	5,506.48	-750.42	-137.69	-140.44	12.73	12.70	1.77
30° Inclination @ 5623.30' MD									
5,695.00	39.11	82.47	5,565.47	-744.82	-97.45	-100.18	12.73	12.71	1.27
5,789.00	43.31	89.52	5,636.21	-740.66	-35.76	-38.48	6.66	4.47	7.50
5,883.00	46.93	90.10	5,702.52	-740.45	30.83	28.12	3.88	3.85	0.62
5,979.00	61.42	87.94	5,758.57	-738.98	108.44	105.73	15.20	15.09	-2.25
6,073.00	69.60	94.68	5,797.54	-741.10	193.82	191.10	10.87	8.70	7.17
6,080.80	70.00	94.48	5,800.23	-741.69	201.12	198.40	5.65	5.11	-2.55
70° Inclination @ 6080.80' MD									
6,167.00	74.42	92.34	5,826.57	-746.55	283.02	280.29	5.65	5.13	-2.48
6,221.00	83.03	90.18	5,837.11	-747.70	335.92	333.17	16.42	15.94	-4.00
6,352.00	90.23	91.29	5,844.81	-749.38	466.59	463.84	5.56	5.50	0.85
6,447.00	90.46	92.70	5,844.24	-752.68	561.53	558.77	1.50	0.24	1.48
6,541.00	89.53	93.80	5,844.25	-758.01	655.38	652.59	1.53	-0.99	1.17
6,636.00	87.98	92.87	5,846.31	-763.54	750.19	747.38	1.90	-1.63	-0.98
6,731.00	86.74	92.56	5,850.69	-768.03	844.98	842.16	1.35	-1.31	-0.33
6,826.00	85.77	93.31	5,856.89	-772.89	939.65	936.81	1.29	-1.02	0.79
6,920.00	87.14	95.52	5,862.70	-780.11	1,033.18	1,030.32	2.76	1.46	2.35
6,956.00	88.82	95.96	5,863.97	-783.71	1,068.98	1,066.10	4.82	4.67	1.22
7,015.00	91.07	95.12	5,864.03	-789.40	1,127.70	1,124.80	4.07	3.81	-1.42
7,051.00	91.87	92.50	5,863.11	-791.79	1,163.60	1,160.70	7.61	2.22	-7.28
7,111.00	93.50	91.02	5,860.30	-793.64	1,223.51	1,220.59	3.67	2.72	-2.47
7,205.00	93.42	89.39	5,854.62	-793.97	1,317.33	1,314.41	1.73	-0.09	-1.73
7,300.00	92.00	89.35	5,850.13	-792.93	1,412.22	1,409.30	1.50	-1.49	-0.04
7,396.00	91.43	87.19	5,847.26	-790.03	1,508.12	1,505.22	2.33	-0.59	-2.25
7,491.00	92.14	87.54	5,844.30	-785.67	1,602.98	1,600.09	0.83	0.75	0.37
7,586.00	91.30	86.31	5,841.45	-780.57	1,697.80	1,694.92	1.57	-0.88	-1.29
7,680.00	88.29	86.48	5,841.78	-774.66	1,791.60	1,788.75	3.21	-3.20	0.18
7,775.00	87.50	86.44	5,845.27	-768.80	1,886.35	1,883.52	0.83	-0.83	-0.04
7,870.00	87.76	87.10	5,849.20	-763.45	1,981.12	1,978.31	0.75	0.27	0.69
7,964.00	88.38	88.69	5,852.37	-760.00	2,075.00	2,072.20	1.81	0.66	1.69
8,059.00	89.22	90.40	5,854.36	-759.25	2,169.97	2,167.17	2.01	0.88	1.80
8,153.00	91.52	90.49	5,853.75	-759.98	2,263.96	2,261.16	2.45	2.45	0.10
8,248.00	91.16	89.52	5,851.53	-759.99	2,358.93	2,356.13	1.09	-0.38	-1.02
8,342.00	90.68	89.08	5,850.02	-758.84	2,452.91	2,450.11	0.69	-0.51	-0.47

Survey Report

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Project:	Weld County, CO (NAD83)	TVD Reference:	KB @ 4508.10usft (Cade 23)
Site:	Sec 35-T05N-R61W	MD Reference:	KB @ 4508.10usft (Cade 23)
Well:	Anschutz Coffelt 5-61-35-3225B	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

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)	
8,438.00	90.77	88.91	5,848.80	-757.15	2,548.89	2,546.10	0.20	0.09	-0.18	
8,533.00	89.79	88.55	5,848.34	-755.05	2,643.86	2,641.08	1.10	-1.03	-0.38	
8,628.00	90.37	88.99	5,848.21	-753.01	2,738.84	2,736.06	0.77	0.61	0.46	
8,723.00	90.50	89.57	5,847.49	-751.82	2,833.83	2,831.06	0.63	0.14	0.61	
8,817.00	91.25	90.14	5,846.05	-751.58	2,927.82	2,925.04	1.00	0.80	0.61	
8,911.00	90.77	90.67	5,844.39	-752.24	3,021.80	3,019.02	0.76	-0.51	0.56	
9,006.00	89.88	90.89	5,843.85	-753.54	3,116.79	3,114.01	0.97	-0.94	0.23	
9,100.00	89.44	91.20	5,844.41	-755.25	3,210.77	3,207.98	0.57	-0.47	0.33	
9,195.00	88.11	91.29	5,846.44	-757.31	3,305.73	3,302.93	1.40	-1.40	0.09	
9,291.00	88.56	91.02	5,849.23	-759.25	3,401.67	3,398.86	0.55	0.47	-0.28	
9,386.00	88.07	91.42	5,852.03	-761.27	3,496.60	3,493.79	0.67	-0.52	0.42	
9,480.00	89.17	90.45	5,854.29	-762.80	3,590.56	3,587.74	1.56	1.17	-1.03	
9,575.00	89.44	89.88	5,855.44	-763.08	3,685.55	3,682.73	0.66	0.28	-0.60	
9,671.00	90.63	89.70	5,855.38	-762.72	3,781.55	3,778.73	1.25	1.24	-0.19	
9,766.00	89.66	89.04	5,855.14	-761.68	3,876.54	3,873.72	1.23	-1.02	-0.69	
9,862.00	90.63	88.47	5,854.90	-759.59	3,972.52	3,969.71	1.17	1.01	-0.59	
9,957.00	89.84	86.35	5,854.51	-755.30	4,067.41	4,064.62	2.38	-0.83	-2.23	
10,053.00	88.73	88.95	5,855.71	-751.37	4,163.32	4,160.53	2.94	-1.16	2.71	
10,148.00	89.79	89.48	5,856.94	-750.06	4,258.30	4,255.52	1.25	1.12	0.56	
10,244.00	90.63	90.10	5,856.58	-749.71	4,354.29	4,351.52	1.09	0.88	0.65	
10,339.00	89.79	89.83	5,856.24	-749.65	4,449.29	4,446.52	0.93	-0.88	-0.28	
10,435.00	91.16	90.01	5,855.44	-749.52	4,545.29	4,542.51	1.44	1.43	0.19	
10,530.00	90.50	89.52	5,854.06	-749.13	4,640.28	4,637.50	0.87	-0.69	-0.52	
10,625.00	90.06	89.79	5,853.60	-748.56	4,735.27	4,732.50	0.54	-0.46	0.28	
10,719.00	90.10	89.35	5,853.47	-747.85	4,829.27	4,826.50	0.47	0.04	-0.47	
10,813.00	91.25	91.07	5,852.36	-748.20	4,923.26	4,920.48	2.20	1.22	1.83	
10,874.26	90.65	91.21	5,851.34	-749.42	4,984.50	4,981.72	1.01	-0.98	0.23	
Cross @ 10874.26' MD										
10,908.00	90.32	91.29	5,851.06	-750.15	5,018.23	5,015.44	1.01	-0.98	0.23	
11,002.00	90.06	91.07	5,850.75	-752.09	5,112.21	5,109.42	0.36	-0.28	-0.23	
11,097.00	89.75	92.12	5,850.90	-754.73	5,207.17	5,204.37	1.15	-0.33	1.11	
11,192.00	90.37	88.99	5,850.81	-755.65	5,302.15	5,299.35	3.36	0.65	-3.29	
11,287.00	89.62	88.73	5,850.81	-753.76	5,397.13	5,394.33	0.84	-0.79	-0.27	
11,381.00	88.64	88.38	5,852.24	-751.39	5,491.09	5,488.30	1.11	-1.04	-0.37	
11,475.00	87.58	87.23	5,855.34	-747.80	5,584.97	5,582.19	1.66	-1.13	-1.22	
11,570.00	87.63	87.36	5,859.31	-743.32	5,679.78	5,677.02	0.15	0.05	0.14	
11,665.00	89.00	88.86	5,862.10	-740.18	5,774.68	5,771.93	2.14	1.44	1.58	
11,759.00	88.11	88.55	5,864.47	-738.06	5,868.63	5,865.88	1.00	-0.95	-0.33	
11,854.00	88.47	90.10	5,867.31	-736.94	5,963.57	5,960.83	1.67	0.38	1.63	
11,949.00	92.00	89.57	5,866.92	-736.67	6,058.56	6,055.82	3.76	3.72	-0.56	
12,043.00	91.65	88.55	5,863.93	-735.13	6,152.50	6,149.76	1.15	-0.37	-1.09	
12,139.00	90.06	88.29	5,862.49	-732.48	6,248.44	6,245.72	1.68	-1.66	-0.27	
12,234.00	89.79	89.39	5,862.62	-730.56	6,343.42	6,340.70	1.19	-0.28	1.16	

Survey Report

Company:	HighPoint Resources	Local Co-ordinate Reference:	Well Anschutz Coffelt 5-61-35-3225B
Project:	Weld County, CO (NAD83)	TVD Reference:	KB @ 4508.10usft (Cade 23)
Site:	Sec 35-T05N-R61W	MD Reference:	KB @ 4508.10usft (Cade 23)
Well:	Anschutz Coffelt 5-61-35-3225B	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

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)	
12,330.00	92.22	90.45	5,860.93	-730.42	6,439.40	6,436.68	2.76	2.53	1.10	
12,425.00	92.27	90.40	5,857.21	-731.13	6,534.32	6,531.60	0.07	0.05	-0.05	
12,520.00	92.49	90.71	5,853.27	-732.05	6,629.24	6,626.51	0.40	0.23	0.33	
12,615.00	90.23	89.96	5,851.01	-732.60	6,724.20	6,721.47	2.51	-2.38	-0.79	
12,710.00	90.59	89.35	5,850.33	-732.03	6,819.20	6,816.47	0.75	0.38	-0.64	
12,804.00	90.68	89.30	5,849.29	-730.92	6,913.19	6,910.46	0.11	0.10	-0.05	
12,899.00	90.68	89.79	5,848.16	-730.17	7,008.18	7,005.45	0.52	0.00	0.52	
12,994.00	90.68	90.01	5,847.04	-730.00	7,103.17	7,100.45	0.23	0.00	0.23	
13,089.00	90.59	91.07	5,845.98	-730.90	7,198.16	7,195.43	1.12	-0.09	1.12	
13,184.00	89.62	90.71	5,845.81	-732.37	7,293.14	7,290.41	1.09	-1.02	-0.38	
13,279.00	89.53	91.11	5,846.51	-733.88	7,388.13	7,385.39	0.43	-0.09	0.42	
13,374.00	87.94	91.37	5,848.61	-735.94	7,483.08	7,480.33	1.70	-1.67	0.27	
13,469.00	90.63	90.18	5,849.80	-737.22	7,578.06	7,575.30	3.10	2.83	-1.25	
13,564.00	89.75	89.35	5,849.48	-736.83	7,673.05	7,670.30	1.27	-0.93	-0.87	
13,659.00	91.34	89.48	5,848.58	-735.86	7,768.04	7,765.29	1.68	1.67	0.14	
13,754.00	90.63	89.35	5,846.95	-734.89	7,863.02	7,860.27	0.76	-0.75	-0.14	
13,848.00	89.35	89.04	5,846.96	-733.57	7,957.01	7,954.27	1.40	-1.36	-0.33	
13,944.00	89.35	90.45	5,848.05	-733.14	8,053.00	8,050.26	1.47	0.00	1.47	
14,038.00	91.21	91.99	5,847.59	-735.15	8,146.97	8,144.22	2.57	1.98	1.64	
14,134.00	89.66	91.20	5,846.86	-737.82	8,242.93	8,240.17	1.81	-1.61	-0.82	
14,229.00	92.27	92.34	5,845.26	-740.75	8,337.86	8,335.09	3.00	2.75	1.20	
14,325.00	92.00	94.46	5,841.69	-746.44	8,433.62	8,430.82	2.22	-0.28	2.21	
14,420.00	92.71	91.20	5,837.78	-751.13	8,528.41	8,525.60	3.51	0.75	-3.43	
14,516.00	90.37	89.96	5,835.20	-752.10	8,624.36	8,621.54	2.76	-2.44	-1.29	
14,611.00	88.56	87.98	5,836.09	-750.39	8,719.33	8,716.52	2.82	-1.91	-2.08	
14,706.00	88.95	89.35	5,838.15	-748.18	8,814.28	8,811.48	1.50	0.41	1.44	
14,802.00	88.56	89.08	5,840.24	-746.86	8,910.25	8,907.45	0.49	-0.41	-0.28	
14,896.00	90.01	89.30	5,841.41	-745.53	9,004.23	9,001.44	1.56	1.54	0.23	
14,991.00	90.06	89.26	5,841.35	-744.34	9,099.22	9,096.43	0.07	0.05	-0.04	
15,086.00	88.16	87.01	5,842.83	-741.25	9,194.15	9,191.37	3.10	-2.00	-2.37	
15,181.00	89.44	87.98	5,844.82	-737.10	9,289.03	9,286.27	1.69	1.35	1.02	
15,273.00	89.31	88.91	5,845.82	-734.60	9,380.99	9,378.24	1.02	-0.14	1.01	
15,365.00	89.44	89.70	5,846.83	-733.49	9,472.98	9,470.23	0.87	0.14	0.86	
15,457.00	89.40	88.91	5,847.76	-732.37	9,564.97	9,562.22	0.86	-0.04	-0.86	
15,549.00	88.69	88.07	5,849.29	-729.95	9,656.92	9,654.18	1.20	-0.77	-0.91	
15,642.00	87.98	86.75	5,851.99	-725.75	9,749.79	9,747.06	1.61	-0.76	-1.42	
15,709.00	88.86	89.04	5,853.84	-723.29	9,816.71	9,813.99	3.66	1.31	3.42	
Last MWD Survey @ 15709' MD										
15,778.00	88.86	89.04	5,855.21	-722.13	9,885.69	9,882.97	0.00	0.00	0.00	
Projection to TD @ 15778' MD ' FNL/ ' FWL										

Survey Report

Company:	HighPoint Resources	Local Co-ordinate Reference:	Well Anschutz Coffelt 5-61-35-3225B
Project:	Weld County, CO (NAD83)	TVD Reference:	KB @ 4508.10usft (Cade 23)
Site:	Sec 35-T05N-R61W	MD Reference:	KB @ 4508.10usft (Cade 23)
Well:	Anschutz Coffelt 5-61-35-3225B	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

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
30° Inclination @ 5623.3 - actual wellpath misses target center by 0.01usft at 5623.30usft MD (5506.47 TVD, -750.42 N, -137.69 E) - Point	0.00	0.00	5,506.47	-750.41	-137.69	1,376,054.33	3,366,494.38	40.358210	-104.184853
70° Inclination @ 6080.8 - actual wellpath hits target center - Point	0.00	0.00	5,800.23	-741.69	201.12	1,376,068.08	3,366,833.03	40.358234	-104.183638
Cross @ 10874.26' MD - actual wellpath hits target center - Point	0.00	0.00	5,851.34	-749.42	4,984.50	1,376,131.32	3,371,616.00	40.358212	-104.166473

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
928.50	926.59	-35.11	-27.13	Tie into Surface Surveys
1,071.00	1,068.07	-49.31	-36.48	First MWD Survey @ 1071' MD
5,623.30	5,506.48	-750.42	-137.69	30° Inclination @ 5623.30' MD
6,080.80	5,800.23	-741.69	201.12	70° Inclination @ 6080.80' MD
10,874.26	5,851.34	-749.42	4,984.50	Cross @ 10874.26' MD
15,709.00	5,853.84	-723.29	9,816.71	Last MWD Survey @ 15709' MD
15,778.00	5,855.21	-722.13	9,885.69	Projection to TD @ 15778' MD ' FNL/ ' FWL

Checked By: _____ Approved By: _____ Date: _____