



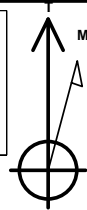
PROJECT DETAILS: Weld County, CO NAD 83

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

Plan: Plan 1 (Wetco 4-63-5-5649C/OH)

Created By: Seth Burstad

Project: Weld County, CO NAD 83  
Site: Wetco 4-63 4 SW Pad  
Well: Wetco 4-63-5-5649C  
Wellbore: OH  
Design: Plan 1



Azimuths to True North  
Magnetic North: 8.05°

Magnetic Field  
Strength: 52211.3snT  
Dip Angle: 66.88°  
Date: 8/7/2018  
Model: HDGM

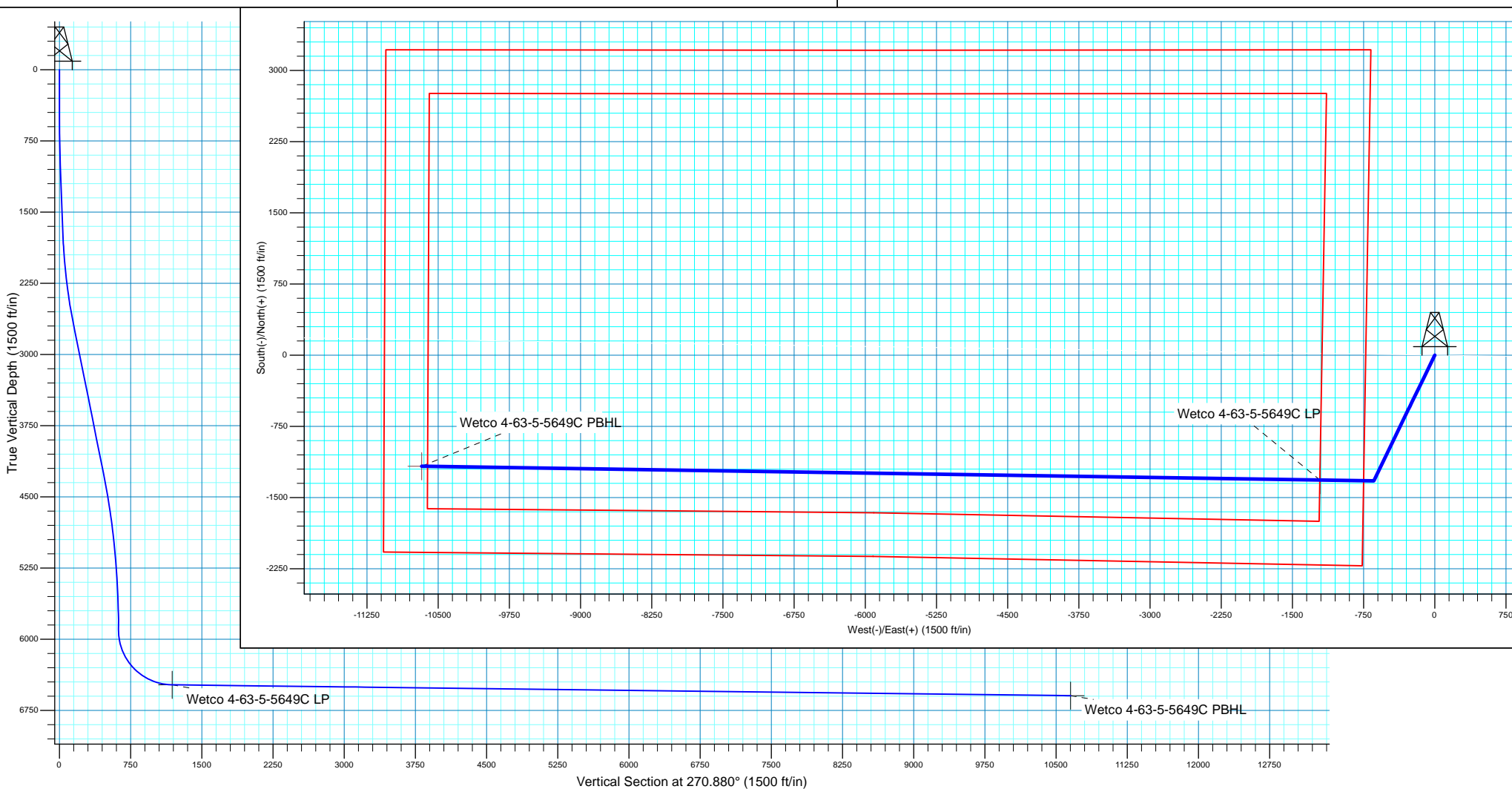


SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.000	500.00	0.00	0.00	0.00	0.00	0.00
1000.00	5.00	205.895	999.37	-19.61	-9.52	1.00	205.90	9.22
1703.31	5.00	205.895	1700.00	-74.76	-36.29	0.00	0.00	35.14
2726.49	25.46	205.896	2682.00	-315.30	-153.07	2.00	0.00	148.21
4471.80	25.46	205.896	4257.76	-990.32	-480.78	0.00	0.00	465.51
6169.37	0.00	0.000	5900.00	-1324.12	-642.83	1.50	180.00	622.42
6175.45	0.00	0.000	5906.08	-1324.12	-642.83	0.00	0.00	622.42
7068.49	89.30	270.880	6479.00	-1315.42	-1208.76	10.00	270.88	1188.41
16534.57	89.30	270.880	6594.00	-1169.97	-10673.03	0.00	0.00	10653.81

WELL DETAILS: Wetco 4-63-5-5649C

		GL 4629' & KB 20' @ 4649.00ft		4629.00	Longitude
+N/-S	+E/-W	Northing	Easting	Latitude	
0.00	0.00	1368386.88	3292729.13	40° 20' 23.514 N	104° 26' 59.474 W





# HighPoint Resources

Weld County, CO NAD 83

Wetco 4-63 4 SW Pad

Wetco 4-63-5-5649C

OH

Plan: Plan 1

## Standard Planning Report

07 August, 2018



<b>Database:</b>	Casper District	<b>Local Co-ordinate Reference:</b>	Well Wetco 4-63-5-5649C
<b>Company:</b>	HighPoint Resources	<b>TVD Reference:</b>	GL 4629' & KB 20' @ 4649.00ft
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	GL 4629' & KB 20' @ 4649.00ft
<b>Site:</b>	Wetco 4-63 4 SW Pad	<b>North Reference:</b>	True
<b>Well:</b>	Wetco 4-63-5-5649C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1		

<b>Project</b>	Weld County, CO NAD 83		
<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		Wetco 4-63 4 SW Pad, Site Center : Wetco 4-63-5-4033CB			
Site Position:		Northing:	1,368,417.03 usft	Latitude:	40° 20' 23.806 N
From:	Lat/Long	Easting:	3,292,780.91 usft	Longitude:	104° 26' 58.801 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.68 °

Well	Wetco 4-63-5-5649C, 2215' FSL 727' FWL Sec 4 T4N R63W					
Well Position	+N/-S	-29.52 ft	Northing:	1,368,386.89 usft	Latitude:	40° 20' 23.514 N
	+E/-W	-52.13 ft	Easting:	3,292,729.13 usft	Longitude:	104° 26' 59.474 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	4,629.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM	8/7/2018	8.05	66.88	52,211

<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) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	270.880

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.000	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	5.00	205.895	999.37	-19.61	-9.52	1.00	1.00	0.00	205.90	
1,703.31	5.00	205.895	1,700.00	-74.76	-36.29	0.00	0.00	0.00	0.00	
2,726.49	25.46	205.896	2,682.00	-315.30	-153.07	2.00	2.00	0.00	0.00	
4,471.80	25.46	205.896	4,257.76	-990.32	-480.78	0.00	0.00	0.00	0.00	
6,169.37	0.00	0.000	5,900.00	-1,324.12	-642.83	1.50	-1.50	0.00	180.00	
6,175.45	0.00	0.000	5,906.08	-1,324.12	-642.83	0.00	0.00	0.00	0.00	
7,068.49	89.30	270.880	6,479.00	-1,315.42	-1,208.76	10.00	10.00	-9.98	270.88	
16,534.58	89.30	270.880	6,594.00	-1,169.97	-10,673.03	0.00	0.00	0.00	0.00	Wetco 4-63-5-5649C

<b>Database:</b>	Casper District	<b>Local Co-ordinate Reference:</b>	Well Wetco 4-63-5-5649C
<b>Company:</b>	HighPoint Resources	<b>TVD Reference:</b>	GL 4629' & KB 20' @ 4649.00ft
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	GL 4629' & KB 20' @ 4649.00ft
<b>Site:</b>	Wetco 4-63 4 SW Pad	<b>North Reference:</b>	True
<b>Well:</b>	Wetco 4-63-5-5649C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.000	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.000	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.000	500.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 1.00									
600.00	1.00	205.895	599.99	-0.79	-0.38	0.37	1.00	1.00	0.00
700.00	2.00	205.895	699.96	-3.14	-1.52	1.48	1.00	1.00	0.00
800.00	3.00	205.895	799.86	-7.06	-3.43	3.32	1.00	1.00	0.00
900.00	4.00	205.895	899.68	-12.56	-6.10	5.90	1.00	1.00	0.00
1,000.00	5.00	205.895	999.37	-19.61	-9.52	9.22	1.00	1.00	0.00
Start 703.31 hold at 1000.00 MD									
1,100.00	5.00	205.895	1,098.99	-27.45	-13.33	12.90	0.00	0.00	0.00
1,200.00	5.00	205.895	1,198.60	-35.29	-17.13	16.59	0.00	0.00	0.00
1,300.00	5.00	205.895	1,298.22	-43.14	-20.94	20.28	0.00	0.00	0.00
1,400.00	5.00	205.895	1,397.84	-50.98	-24.75	23.96	0.00	0.00	0.00
1,500.00	5.00	205.895	1,497.46	-58.82	-28.55	27.65	0.00	0.00	0.00
1,600.00	5.00	205.895	1,597.08	-66.66	-32.36	31.33	0.00	0.00	0.00
1,700.00	5.00	205.895	1,696.70	-74.50	-36.17	35.02	0.00	0.00	0.00
1,703.31	5.00	205.895	1,700.00	-74.76	-36.29	35.14	0.00	0.00	0.00
Start DLS 2.00 TFO 0.00									
1,800.00	6.93	205.895	1,796.16	-83.80	-40.68	39.39	2.00	2.00	0.00
1,900.00	8.93	205.895	1,895.20	-96.21	-46.71	45.23	2.00	2.00	0.00
2,000.00	10.93	205.895	1,993.69	-111.73	-54.24	52.52	2.00	2.00	0.00
2,100.00	12.93	205.895	2,091.53	-130.33	-63.27	61.26	2.00	2.00	0.00
2,200.00	14.93	205.895	2,188.58	-151.99	-73.79	71.45	2.00	2.00	0.00
2,300.00	16.93	205.895	2,284.73	-176.69	-85.78	83.05	2.00	2.00	0.00
2,400.00	18.93	205.896	2,379.87	-204.39	-99.22	96.07	2.00	2.00	0.00
2,500.00	20.93	205.896	2,473.87	-235.06	-114.11	110.49	2.00	2.00	0.00
2,600.00	22.93	205.896	2,566.63	-268.66	-130.43	126.28	2.00	2.00	0.00
2,700.00	24.93	205.896	2,658.03	-305.15	-148.14	143.44	2.00	2.00	0.00
2,726.49	25.46	205.896	2,682.00	-315.30	-153.07	148.21	2.00	2.00	0.00
Start 1745.31 hold at 2726.49 MD									
2,800.00	25.46	205.896	2,748.37	-343.73	-166.87	161.57	0.00	0.00	0.00
2,900.00	25.46	205.896	2,838.65	-382.40	-185.65	179.75	0.00	0.00	0.00
3,000.00	25.46	205.896	2,928.94	-421.08	-204.42	197.93	0.00	0.00	0.00
3,100.00	25.46	205.896	3,019.22	-459.76	-223.20	216.11	0.00	0.00	0.00
3,200.00	25.46	205.896	3,109.51	-498.44	-241.98	234.29	0.00	0.00	0.00
3,300.00	25.46	205.896	3,199.80	-537.11	-260.75	252.47	0.00	0.00	0.00
3,400.00	25.46	205.896	3,290.08	-575.79	-279.53	270.66	0.00	0.00	0.00
3,500.00	25.46	205.896	3,380.37	-614.47	-298.31	288.84	0.00	0.00	0.00
3,600.00	25.46	205.896	3,470.65	-653.14	-317.09	307.02	0.00	0.00	0.00
3,700.00	25.46	205.896	3,560.94	-691.82	-335.86	325.20	0.00	0.00	0.00
3,800.00	25.46	205.896	3,651.23	-730.50	-354.64	343.38	0.00	0.00	0.00
3,900.00	25.46	205.896	3,741.51	-769.17	-373.42	361.56	0.00	0.00	0.00
4,000.00	25.46	205.896	3,831.80	-807.85	-392.19	379.74	0.00	0.00	0.00
4,100.00	25.46	205.896	3,922.08	-846.53	-410.97	397.92	0.00	0.00	0.00
4,200.00	25.46	205.896	4,012.37	-885.20	-429.75	416.10	0.00	0.00	0.00
4,300.00	25.46	205.896	4,102.65	-923.88	-448.52	434.28	0.00	0.00	0.00
4,400.00	25.46	205.896	4,192.94	-962.56	-467.30	452.46	0.00	0.00	0.00
4,471.80	25.46	205.896	4,257.76	-990.32	-480.78	465.51	0.00	0.00	0.00
Start Drop -1.50									
4,500.00	25.04	205.896	4,283.27	-1,001.15	-486.03	470.60	1.50	-1.50	0.00

<b>Database:</b>	Casper District	<b>Local Co-ordinate Reference:</b>	Well Wetco 4-63-5-5649C
<b>Company:</b>	HighPoint Resources	<b>TVD Reference:</b>	GL 4629' & KB 20' @ 4649.00ft
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	GL 4629' & KB 20' @ 4649.00ft
<b>Site:</b>	Wetco 4-63 4 SW Pad	<b>North Reference:</b>	True
<b>Well:</b>	Wetco 4-63-5-5649C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,600.00	23.54	205.896	4,374.42	-1,038.15	-504.00	488.00	1.50	-1.50	0.00
4,700.00	22.04	205.896	4,466.61	-1,073.00	-520.92	504.38	1.50	-1.50	0.00
4,800.00	20.54	205.896	4,559.78	-1,105.66	-536.77	519.73	1.50	-1.50	0.00
4,900.00	19.04	205.896	4,653.87	-1,136.12	-551.56	534.05	1.50	-1.50	0.00
5,000.00	17.54	205.896	4,748.81	-1,164.35	-565.27	547.32	1.50	-1.50	0.00
5,100.00	16.04	205.896	4,844.55	-1,190.34	-577.88	559.53	1.50	-1.50	0.00
5,200.00	14.54	205.896	4,941.01	-1,214.06	-589.40	570.68	1.50	-1.50	0.00
5,300.00	13.04	205.896	5,038.12	-1,235.50	-599.81	580.76	1.50	-1.50	0.00
5,400.00	11.54	205.896	5,135.83	-1,254.65	-609.11	589.76	1.50	-1.50	0.00
5,500.00	10.04	205.896	5,234.05	-1,271.49	-617.28	597.68	1.50	-1.50	0.00
5,600.00	8.54	205.896	5,332.74	-1,286.02	-624.33	604.51	1.50	-1.50	0.00
5,700.00	7.04	205.896	5,431.81	-1,298.21	-630.25	610.24	1.50	-1.50	0.00
5,800.00	5.54	205.896	5,531.21	-1,308.07	-635.04	614.87	1.50	-1.50	0.00
5,900.00	4.04	205.896	5,630.86	-1,315.58	-638.68	618.40	1.50	-1.50	0.00
6,000.00	2.54	205.896	5,730.69	-1,320.74	-641.19	620.83	1.50	-1.50	0.00
6,100.00	1.04	205.896	5,830.64	-1,323.55	-642.55	622.15	1.50	-1.50	0.00
6,169.37	0.00	0.000	5,900.00	-1,324.12	-642.83	622.42	1.50	-1.50	0.00
Start 6.08 hold at 6169.37 MD									
6,175.45	0.00	0.000	5,906.08	-1,324.12	-642.83	622.42	0.00	0.00	0.00
Start DLS 10.00 TFO 270.88									
6,200.00	2.46	270.880	5,930.63	-1,324.11	-643.36	622.94	10.00	10.00	0.00
6,300.00	12.46	270.880	6,029.65	-1,323.91	-656.31	635.90	10.00	10.00	0.00
6,400.00	22.46	270.880	6,124.93	-1,323.45	-686.27	665.86	10.00	10.00	0.00
6,500.00	32.46	270.880	6,213.55	-1,322.74	-732.31	711.91	10.00	10.00	0.00
6,600.00	42.46	270.880	6,292.84	-1,321.81	-793.04	772.65	10.00	10.00	0.00
6,700.00	52.46	270.880	6,360.37	-1,320.68	-866.61	846.23	10.00	10.00	0.00
6,800.00	62.46	270.880	6,414.09	-1,319.39	-950.79	930.42	10.00	10.00	0.00
6,900.00	72.46	270.880	6,452.39	-1,317.97	-1,043.02	1,022.66	10.00	10.00	0.00
7,000.00	82.46	270.880	6,474.08	-1,316.47	-1,140.50	1,120.15	10.00	10.00	0.00
7,068.49	89.30	270.880	6,479.00	-1,315.42	-1,208.76	1,188.41	10.00	10.00	0.00
Start 9466.09 hold at 7068.49 MD									
7,100.00	89.30	270.880	6,479.38	-1,314.94	-1,240.27	1,219.93	0.00	0.00	0.00
7,200.00	89.30	270.880	6,480.59	-1,313.40	-1,340.25	1,319.92	0.00	0.00	0.00
7,300.00	89.30	270.880	6,481.81	-1,311.87	-1,440.23	1,419.91	0.00	0.00	0.00
7,400.00	89.30	270.880	6,483.02	-1,310.33	-1,540.21	1,519.90	0.00	0.00	0.00
7,500.00	89.30	270.880	6,484.24	-1,308.79	-1,640.19	1,619.90	0.00	0.00	0.00
7,600.00	89.30	270.880	6,485.45	-1,307.26	-1,740.17	1,719.89	0.00	0.00	0.00
7,700.00	89.30	270.880	6,486.67	-1,305.72	-1,840.15	1,819.88	0.00	0.00	0.00
7,800.00	89.30	270.880	6,487.88	-1,304.18	-1,940.13	1,919.88	0.00	0.00	0.00
7,900.00	89.30	270.880	6,489.10	-1,302.65	-2,040.12	2,019.87	0.00	0.00	0.00
8,000.00	89.30	270.880	6,490.31	-1,301.11	-2,140.10	2,119.86	0.00	0.00	0.00
8,100.00	89.30	270.880	6,491.53	-1,299.57	-2,240.08	2,219.85	0.00	0.00	0.00
8,200.00	89.30	270.880	6,492.74	-1,298.04	-2,340.06	2,319.85	0.00	0.00	0.00
8,300.00	89.30	270.880	6,493.96	-1,296.50	-2,440.04	2,419.84	0.00	0.00	0.00
8,400.00	89.30	270.880	6,495.17	-1,294.96	-2,540.02	2,519.83	0.00	0.00	0.00
8,500.00	89.30	270.880	6,496.39	-1,293.43	-2,640.00	2,619.82	0.00	0.00	0.00
8,600.00	89.30	270.880	6,497.60	-1,291.89	-2,739.98	2,719.82	0.00	0.00	0.00
8,700.00	89.30	270.880	6,498.82	-1,290.35	-2,839.96	2,819.81	0.00	0.00	0.00
8,800.00	89.30	270.880	6,500.03	-1,288.82	-2,939.94	2,919.80	0.00	0.00	0.00
8,900.00	89.30	270.880	6,501.25	-1,287.28	-3,039.92	3,019.79	0.00	0.00	0.00
9,000.00	89.30	270.880	6,502.46	-1,285.74	-3,139.90	3,119.79	0.00	0.00	0.00
9,100.00	89.30	270.880	6,503.68	-1,284.21	-3,239.88	3,219.78	0.00	0.00	0.00
9,200.00	89.30	270.880	6,504.89	-1,282.67	-3,339.87	3,319.77	0.00	0.00	0.00

<b>Database:</b>	Casper District	<b>Local Co-ordinate Reference:</b>	Well Wetco 4-63-5-5649C
<b>Company:</b>	HighPoint Resources	<b>TVD Reference:</b>	GL 4629' & KB 20' @ 4649.00ft
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	GL 4629' & KB 20' @ 4649.00ft
<b>Site:</b>	Wetco 4-63 4 SW Pad	<b>North Reference:</b>	True
<b>Well:</b>	Wetco 4-63-5-5649C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,300.00	89.30	270.880	6,506.11	-1,281.13	-3,439.85	3,419.76	0.00	0.00	0.00
9,400.00	89.30	270.880	6,507.32	-1,279.60	-3,539.83	3,519.76	0.00	0.00	0.00
9,500.00	89.30	270.880	6,508.54	-1,278.06	-3,639.81	3,619.75	0.00	0.00	0.00
9,600.00	89.30	270.880	6,509.75	-1,276.53	-3,739.79	3,719.74	0.00	0.00	0.00
9,700.00	89.30	270.880	6,510.97	-1,274.99	-3,839.77	3,819.74	0.00	0.00	0.00
9,800.00	89.30	270.880	6,512.18	-1,273.45	-3,939.75	3,919.73	0.00	0.00	0.00
9,900.00	89.30	270.880	6,513.40	-1,271.92	-4,039.73	4,019.72	0.00	0.00	0.00
10,000.00	89.30	270.880	6,514.61	-1,270.38	-4,139.71	4,119.71	0.00	0.00	0.00
10,100.00	89.30	270.880	6,515.83	-1,268.84	-4,239.69	4,219.71	0.00	0.00	0.00
10,200.00	89.30	270.880	6,517.04	-1,267.31	-4,339.67	4,319.70	0.00	0.00	0.00
10,300.00	89.30	270.880	6,518.26	-1,265.77	-4,439.65	4,419.69	0.00	0.00	0.00
10,400.00	89.30	270.880	6,519.47	-1,264.23	-4,539.64	4,519.68	0.00	0.00	0.00
10,500.00	89.30	270.880	6,520.69	-1,262.70	-4,639.62	4,619.68	0.00	0.00	0.00
10,600.00	89.30	270.880	6,521.90	-1,261.16	-4,739.60	4,719.67	0.00	0.00	0.00
10,700.00	89.30	270.880	6,523.12	-1,259.62	-4,839.58	4,819.66	0.00	0.00	0.00
10,800.00	89.30	270.880	6,524.33	-1,258.09	-4,939.56	4,919.65	0.00	0.00	0.00
10,900.00	89.30	270.880	6,525.55	-1,256.55	-5,039.54	5,019.65	0.00	0.00	0.00
11,000.00	89.30	270.880	6,526.76	-1,255.01	-5,139.52	5,119.64	0.00	0.00	0.00
11,100.00	89.30	270.880	6,527.97	-1,253.48	-5,239.50	5,219.63	0.00	0.00	0.00
11,200.00	89.30	270.880	6,529.19	-1,251.94	-5,339.48	5,319.62	0.00	0.00	0.00
11,300.00	89.30	270.880	6,530.40	-1,250.40	-5,439.46	5,419.62	0.00	0.00	0.00
11,400.00	89.30	270.880	6,531.62	-1,248.87	-5,539.44	5,519.61	0.00	0.00	0.00
11,500.00	89.30	270.880	6,532.83	-1,247.33	-5,639.42	5,619.60	0.00	0.00	0.00
11,600.00	89.30	270.880	6,534.05	-1,245.79	-5,739.41	5,719.60	0.00	0.00	0.00
11,700.00	89.30	270.880	6,535.26	-1,244.26	-5,839.39	5,819.59	0.00	0.00	0.00
11,800.00	89.30	270.880	6,536.48	-1,242.72	-5,939.37	5,919.58	0.00	0.00	0.00
11,900.00	89.30	270.880	6,537.69	-1,241.19	-6,039.35	6,019.57	0.00	0.00	0.00
12,000.00	89.30	270.880	6,538.91	-1,239.65	-6,139.33	6,119.57	0.00	0.00	0.00
12,100.00	89.30	270.880	6,540.12	-1,238.11	-6,239.31	6,219.56	0.00	0.00	0.00
12,200.00	89.30	270.880	6,541.34	-1,236.58	-6,339.29	6,319.55	0.00	0.00	0.00
12,300.00	89.30	270.880	6,542.55	-1,235.04	-6,439.27	6,419.54	0.00	0.00	0.00
12,400.00	89.30	270.880	6,543.77	-1,233.50	-6,539.25	6,519.54	0.00	0.00	0.00
12,500.00	89.30	270.880	6,544.98	-1,231.97	-6,639.23	6,619.53	0.00	0.00	0.00
12,600.00	89.30	270.880	6,546.20	-1,230.43	-6,739.21	6,719.52	0.00	0.00	0.00
12,700.00	89.30	270.880	6,547.41	-1,228.89	-6,839.19	6,819.51	0.00	0.00	0.00
12,800.00	89.30	270.880	6,548.63	-1,227.36	-6,939.18	6,919.51	0.00	0.00	0.00
12,900.00	89.30	270.880	6,549.84	-1,225.82	-7,039.16	7,019.50	0.00	0.00	0.00
13,000.00	89.30	270.880	6,551.06	-1,224.28	-7,139.14	7,119.49	0.00	0.00	0.00
13,100.00	89.30	270.880	6,552.27	-1,222.75	-7,239.12	7,219.48	0.00	0.00	0.00
13,200.00	89.30	270.880	6,553.49	-1,221.21	-7,339.10	7,319.48	0.00	0.00	0.00
13,300.00	89.30	270.880	6,554.70	-1,219.67	-7,439.08	7,419.47	0.00	0.00	0.00
13,400.00	89.30	270.880	6,555.92	-1,218.14	-7,539.06	7,519.46	0.00	0.00	0.00
13,500.00	89.30	270.880	6,557.13	-1,216.60	-7,639.04	7,619.45	0.00	0.00	0.00
13,600.00	89.30	270.880	6,558.35	-1,215.06	-7,739.02	7,719.45	0.00	0.00	0.00
13,700.00	89.30	270.880	6,559.56	-1,213.53	-7,839.00	7,819.44	0.00	0.00	0.00
13,800.00	89.30	270.880	6,560.78	-1,211.99	-7,938.98	7,919.43	0.00	0.00	0.00
13,900.00	89.30	270.880	6,561.99	-1,210.45	-8,038.96	8,019.43	0.00	0.00	0.00
14,000.00	89.30	270.880	6,563.21	-1,208.92	-8,138.94	8,119.42	0.00	0.00	0.00
14,100.00	89.30	270.880	6,564.42	-1,207.38	-8,238.93	8,219.41	0.00	0.00	0.00
14,200.00	89.30	270.880	6,565.64	-1,205.85	-8,338.91	8,319.40	0.00	0.00	0.00
14,300.00	89.30	270.880	6,566.85	-1,204.31	-8,438.89	8,419.40	0.00	0.00	0.00
14,400.00	89.30	270.880	6,568.07	-1,202.77	-8,538.87	8,519.39	0.00	0.00	0.00
14,500.00	89.30	270.880	6,569.28	-1,201.24	-8,638.85	8,619.38	0.00	0.00	0.00
14,600.00	89.30	270.880	6,570.50	-1,199.70	-8,738.83	8,719.37	0.00	0.00	0.00

<b>Database:</b>	Casper District	<b>Local Co-ordinate Reference:</b>	Well Wetco 4-63-5-5649C
<b>Company:</b>	HighPoint Resources	<b>TVD Reference:</b>	GL 4629' & KB 20' @ 4649.00ft
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	GL 4629' & KB 20' @ 4649.00ft
<b>Site:</b>	Wetco 4-63 4 SW Pad	<b>North Reference:</b>	True
<b>Well:</b>	Wetco 4-63-5-5649C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
14,700.00	89.30	270.880	6,571.71	-1,198.16	-8,838.81	8,819.37	0.00	0.00	0.00	
14,800.00	89.30	270.880	6,572.93	-1,196.63	-8,938.79	8,919.36	0.00	0.00	0.00	
14,900.00	89.30	270.880	6,574.14	-1,195.09	-9,038.77	9,019.35	0.00	0.00	0.00	
15,000.00	89.30	270.880	6,575.36	-1,193.55	-9,138.75	9,119.34	0.00	0.00	0.00	
15,100.00	89.30	270.880	6,576.57	-1,192.02	-9,238.73	9,219.34	0.00	0.00	0.00	
15,200.00	89.30	270.880	6,577.79	-1,190.48	-9,338.71	9,319.33	0.00	0.00	0.00	
15,300.00	89.30	270.880	6,579.00	-1,188.94	-9,438.70	9,419.32	0.00	0.00	0.00	
15,400.00	89.30	270.880	6,580.22	-1,187.41	-9,538.68	9,519.31	0.00	0.00	0.00	
15,500.00	89.30	270.880	6,581.43	-1,185.87	-9,638.66	9,619.31	0.00	0.00	0.00	
15,600.00	89.30	270.880	6,582.65	-1,184.33	-9,738.64	9,719.30	0.00	0.00	0.00	
15,700.00	89.30	270.880	6,583.86	-1,182.80	-9,838.62	9,819.29	0.00	0.00	0.00	
15,800.00	89.30	270.880	6,585.08	-1,181.26	-9,938.60	9,919.29	0.00	0.00	0.00	
15,900.00	89.30	270.880	6,586.29	-1,179.72	-10,038.58	10,019.28	0.00	0.00	0.00	
16,000.00	89.30	270.880	6,587.51	-1,178.19	-10,138.56	10,119.27	0.00	0.00	0.00	
16,100.00	89.30	270.880	6,588.72	-1,176.65	-10,238.54	10,219.26	0.00	0.00	0.00	
16,200.00	89.30	270.880	6,589.94	-1,175.11	-10,338.52	10,319.26	0.00	0.00	0.00	
16,300.00	89.30	270.880	6,591.15	-1,173.58	-10,438.50	10,419.25	0.00	0.00	0.00	
16,400.00	89.30	270.880	6,592.37	-1,172.04	-10,538.48	10,519.24	0.00	0.00	0.00	
16,500.00	89.30	270.880	6,593.58	-1,170.51	-10,638.47	10,619.23	0.00	0.00	0.00	
16,534.57	89.30	270.880	6,594.00	-1,169.97	-10,673.03	10,653.81	0.00	0.00	0.00	
TD at 16534.57										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
Wetco 4-63-5-5649C LP	0.00	0.000	6,479.00	-1,315.42	-1,208.76	1,367,057.25	3,291,536.04	40° 20' 10.514 N	104° 27' 15.084 W	
- hit/miss target										
- Shape										
- plan misses target center by 0.01ft at 7068.48ft MD (6479.00 TVD, -1315.42 N, -1208.76 E)										
- Point										
Wetco 4-63-5-5649C PB	0.00	0.000	6,594.00	-1,169.97	-10,673.03	1,367,090.61	3,282,070.73	40° 20' 11.929 N	104° 29' 17.304 W	
- plan hits target center										
- Point										

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
500.00	500.00	0.00	0.00	Start Build 1.00	
1,000.00	999.37	-19.61	-9.52	Start 703.31 hold at 1000.00 MD	
1,703.31	1,700.00	-74.76	-36.29	Start DLS 2.00 TFO 0.00	
2,726.49	2,682.00	-315.30	-153.07	Start 1745.31 hold at 2726.49 MD	
4,471.80	4,257.76	-990.32	-480.78	Start Drop -1.50	
6,169.37	5,900.00	-1,324.12	-642.83	Start 6.08 hold at 6169.37 MD	
6,175.45	5,906.08	-1,324.12	-642.83	Start DLS 10.00 TFO 270.88	
7,068.49	6,479.00	-1,315.42	-1,208.76	Start 9466.09 hold at 7068.49 MD	
16,534.57	6,594.00	-1,169.97	-10,673.03	TD at 16534.57	