



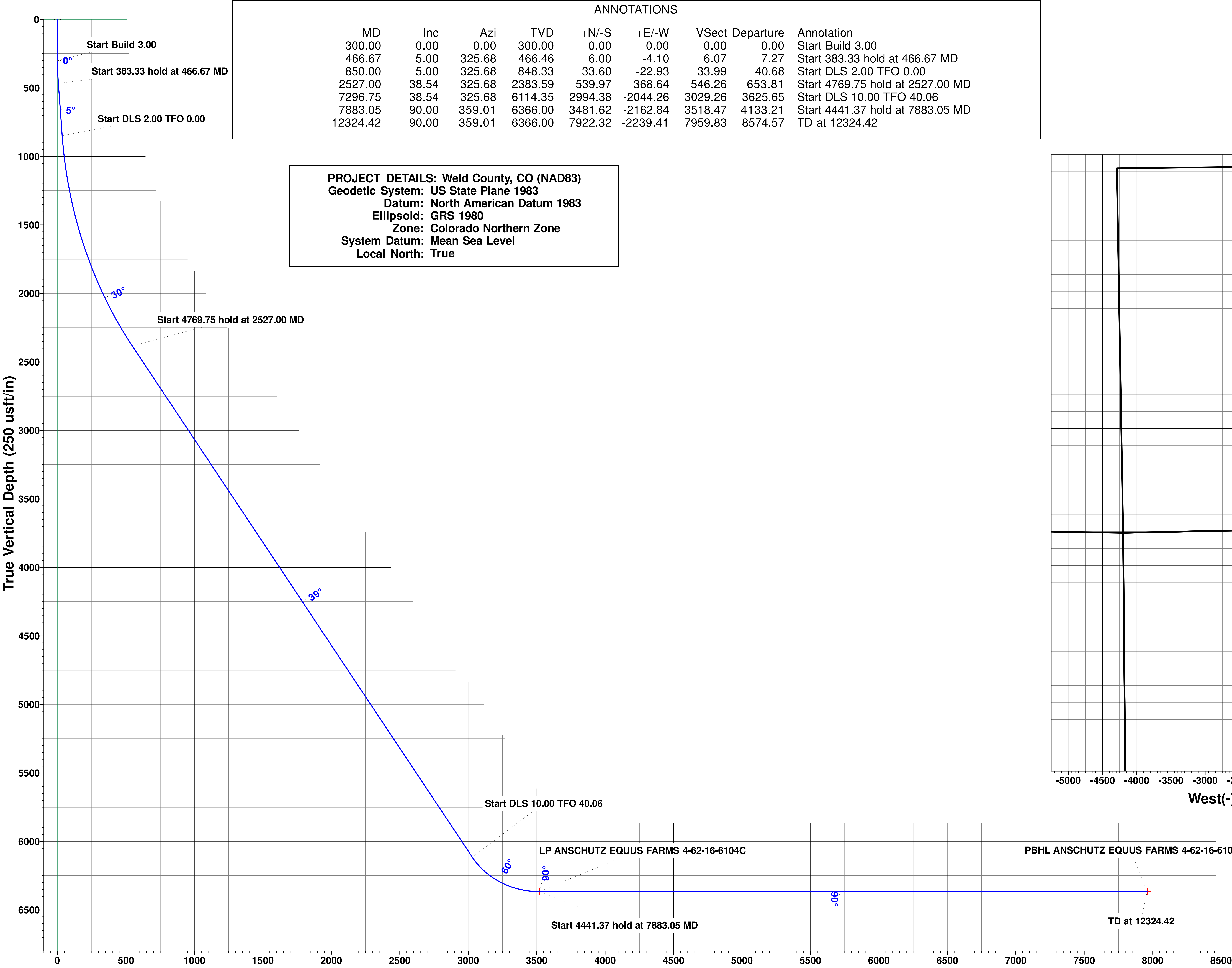
HighPoint Resources
 Project: Weld County, CO (NAD83)
 Site: Sec 21-T04N-R62W
 Well: ANSCHUTZ EQUUS FARMS 4-62-16-6104C
 Wellbore: Wellbore #1
 Plan: Plan #2 (ANSCHUTZ EQUUS FARMS 4-62-16-6104C/Wellbore #1)
 Cade 23

WELL DETAILS: ANSCHUTZ EQUUS FARMS 4-62-16-6104C

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

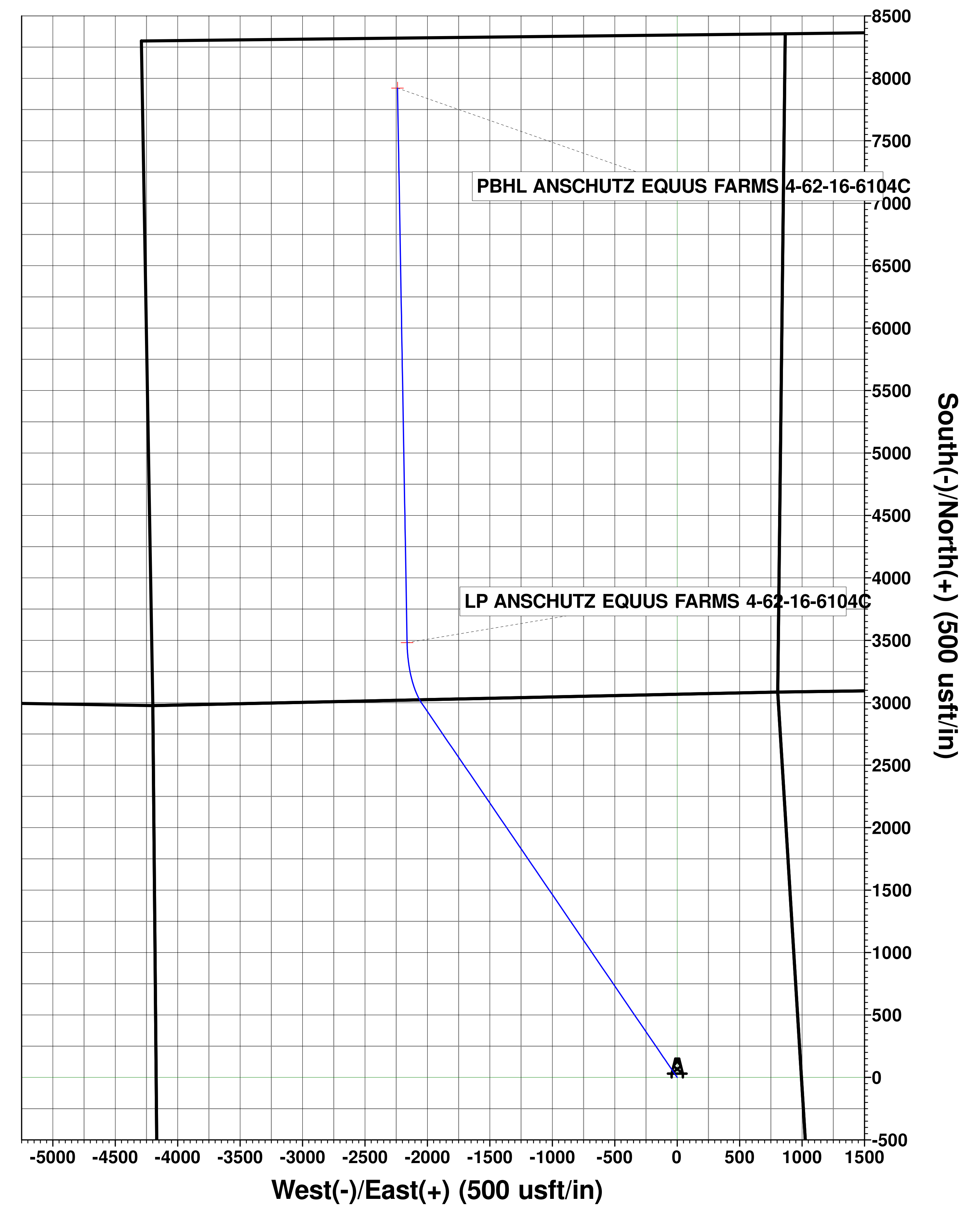


Northing	Easting	Latitude	Longitude
1353092.05	3328130.77	40.296663	-104.323595



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	325.68	466.46	6.00	-4.10	6.07	7.27	Start 383.33 hold at 466.67 MD	
850.00	5.00	325.68	848.33	33.60	-22.93	33.99	40.68	Start DLS 2.00 TFO 0.00	
2527.00	38.54	325.68	2383.59	539.97	-368.64	546.26	653.81	Start 4769.75 hold at 2527.00 MD	
7296.75	38.54	325.68	6114.35	2994.38	-2044.26	3029.26	3625.65	Start DLS 10.00 TFO 40.06	
7883.05	90.00	359.01	6366.00	3481.62	-2162.84	3518.47	4133.21	Start 4441.37 hold at 7883.05 MD	
12324.42	90.00	359.01	6366.00	7922.32	-2239.41	7959.83	8574.57	TD at 12324.42	

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



Vertical Section at 359.01° (250 usft/in)

Mazimuths to True North
 Magnetic North: 7.71°
 Magnetic Field
 Strength: 52107.4nT
 Dip Angle: 66.78°
 Date: 11/26/2019
 Model: IGRF2015

HighPoint Resources

Weld County, CO (NAD83)

Sec 21-T04N-R62W

ANSCHUTZ EQUUS FARMS 4-62-16-6104C

Wellbore #1

Plan: Plan #2

Standard Planning Report

01 April, 2020

Planning Report

Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well ANSCHUTZ EQUUS FARMS 4-62-16-6104C
Company:	HighPoint Resources	TVD Reference:	kb @ 4595.80usft (Cade 23)
Project:	Weld County, CO (NAD83)	MD Reference:	kb @ 4595.80usft (Cade 23)
Site:	Sec 21-T04N-R62W	North Reference:	True
Well:	ANSCHUTZ EQUUS FARMS 4-62-16-6104C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
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 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 4-62-16-6104C					
Well Position	+N/-S	-2,976.63 usft	Northing:	1,353,092.05 usft	Latitude:	40.296663
	+E/-W	4,199.36 usft	Easting:	3,328,130.77 usft	Longitude:	-104.323595
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	4,579.30 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/26/2019	7.71	66.78	52,107.41714143

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	359.01

Plan Survey Tool Program	Date	4/1/2020		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	12,324.42 Plan #2 (Wellbore #1)	MWD+HRGM	
			OWSG MWD + HRGM	

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	325.68	466.46	6.00	-4.10	3.00	3.00	0.00	325.68	
850.00	5.00	325.68	848.33	33.60	-22.93	0.00	0.00	0.00	0.00	
2,527.00	38.54	325.68	2,383.59	539.97	-368.64	2.00	2.00	0.00	0.00	
7,296.75	38.54	325.68	6,114.35	2,994.38	-2,044.26	0.00	0.00	0.00	0.00	
7,883.05	90.00	359.01	6,366.00	3,481.62	-2,162.84	10.00	8.78	5.69	40.06	LP ANSCHUTZ EQUI
12,324.42	90.00	359.01	6,366.00	7,922.32	-2,239.41	0.00	0.00	0.00	0.00	PBHLANSCHUTZ EC

Planning Report

Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well ANSCHUTZ EQUUS FARMS 4-62-16-6104C
Company:	HighPoint Resources	TVD Reference:	kb @ 4595.80usft (Cade 23)
Project:	Weld County, CO (NAD83)	MD Reference:	kb @ 4595.80usft (Cade 23)
Site:	Sec 21-T04N-R62W	North Reference:	True
Well:	ANSCHUTZ EQUUS FARMS 4-62-16-6104C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
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	
Start Build 3.00										
400.00	3.00	325.68	399.95	2.16	-1.48	2.19	3.00	3.00	0.00	
466.67	5.00	325.68	466.46	6.00	-4.10	6.07	3.00	3.00	0.00	
Start 383.33 hold at 466.67 MD										
500.00	5.00	325.68	499.66	8.40	-5.74	8.50	0.00	0.00	0.00	
600.00	5.00	325.68	599.28	15.60	-10.65	15.78	0.00	0.00	0.00	
700.00	5.00	325.68	698.90	22.80	-15.56	23.06	0.00	0.00	0.00	
800.00	5.00	325.68	798.52	30.00	-20.48	30.35	0.00	0.00	0.00	
850.00	5.00	325.68	848.33	33.60	-22.93	33.99	0.00	0.00	0.00	
Start DLS 2.00 TFO 0.00										
900.00	6.00	325.68	898.10	37.55	-25.64	37.99	2.00	2.00	0.00	
1,000.00	8.00	325.68	997.35	47.62	-32.51	48.17	2.00	2.00	0.00	
1,100.00	10.00	325.68	1,096.11	60.54	-41.33	61.24	2.00	2.00	0.00	
1,200.00	12.00	325.68	1,194.27	76.30	-52.08	77.18	2.00	2.00	0.00	
1,300.00	14.00	325.68	1,291.70	94.87	-64.77	95.98	2.00	2.00	0.00	
1,400.00	16.00	325.68	1,388.29	116.25	-79.36	117.60	2.00	2.00	0.00	
1,500.00	18.00	325.68	1,483.92	140.39	-95.84	142.03	2.00	2.00	0.00	
1,600.00	20.00	325.68	1,578.46	167.28	-114.20	169.23	2.00	2.00	0.00	
1,700.00	22.00	325.68	1,671.82	196.88	-134.40	199.17	2.00	2.00	0.00	
1,800.00	24.00	325.68	1,763.86	229.14	-156.43	231.81	2.00	2.00	0.00	
1,900.00	26.00	325.68	1,854.49	264.05	-180.26	267.12	2.00	2.00	0.00	
2,000.00	28.00	325.68	1,943.58	301.54	-205.86	305.05	2.00	2.00	0.00	
2,100.00	30.00	325.68	2,031.04	341.58	-233.19	345.55	2.00	2.00	0.00	
2,200.00	32.00	325.68	2,116.75	384.11	-262.23	388.58	2.00	2.00	0.00	
2,300.00	34.00	325.68	2,200.62	429.09	-292.94	434.09	2.00	2.00	0.00	
2,400.00	36.00	325.68	2,282.53	476.46	-325.27	482.01	2.00	2.00	0.00	
2,500.00	38.00	325.68	2,362.39	526.16	-359.21	532.29	2.00	2.00	0.00	
2,527.00	38.54	325.68	2,383.59	539.97	-368.64	546.26	2.00	2.00	0.00	
Start 4769.75 hold at 2527.00 MD										
2,600.00	38.54	325.68	2,440.68	577.53	-394.28	584.26	0.00	0.00	0.00	
2,700.00	38.54	325.68	2,518.90	628.99	-429.41	636.32	0.00	0.00	0.00	
2,800.00	38.54	325.68	2,597.12	680.45	-464.54	688.37	0.00	0.00	0.00	
2,900.00	38.54	325.68	2,675.34	731.91	-499.67	740.43	0.00	0.00	0.00	
3,000.00	38.54	325.68	2,753.55	783.37	-534.80	792.49	0.00	0.00	0.00	
3,100.00	38.54	325.68	2,831.77	834.82	-569.93	844.55	0.00	0.00	0.00	
3,200.00	38.54	325.68	2,909.99	886.28	-605.06	896.60	0.00	0.00	0.00	
3,300.00	38.54	325.68	2,988.20	937.74	-640.19	948.66	0.00	0.00	0.00	
3,400.00	38.54	325.68	3,066.42	989.20	-675.32	1,000.72	0.00	0.00	0.00	
3,500.00	38.54	325.68	3,144.64	1,040.66	-710.45	1,052.78	0.00	0.00	0.00	
3,600.00	38.54	325.68	3,222.86	1,092.11	-745.58	1,104.83	0.00	0.00	0.00	
3,700.00	38.54	325.68	3,301.07	1,143.57	-780.71	1,156.89	0.00	0.00	0.00	
3,800.00	38.54	325.68	3,379.29	1,195.03	-815.84	1,208.95	0.00	0.00	0.00	
3,900.00	38.54	325.68	3,457.51	1,246.49	-850.97	1,261.00	0.00	0.00	0.00	
4,000.00	38.54	325.68	3,535.73	1,297.94	-886.10	1,313.06	0.00	0.00	0.00	
4,100.00	38.54	325.68	3,613.94	1,349.40	-921.23	1,365.12	0.00	0.00	0.00	
4,200.00	38.54	325.68	3,692.16	1,400.86	-956.37	1,417.18	0.00	0.00	0.00	
4,300.00	38.54	325.68	3,770.38	1,452.32	-991.50	1,469.23	0.00	0.00	0.00	
4,400.00	38.54	325.68	3,848.59	1,503.78	-1,026.63	1,521.29	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well ANSCHUTZ EQUUS FARMS 4-62-16-6104C
Company:	HighPoint Resources	TVD Reference:	kb @ 4595.80usft (Cade 23)
Project:	Weld County, CO (NAD83)	MD Reference:	kb @ 4595.80usft (Cade 23)
Site:	Sec 21-T04N-R62W	North Reference:	True
Well:	ANSCHUTZ EQUUS FARMS 4-62-16-6104C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
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	38.54	325.68	3,926.81	1,555.23	-1,061.76	1,573.35	0.00	0.00	0.00	
4,600.00	38.54	325.68	4,005.03	1,606.69	-1,096.89	1,625.40	0.00	0.00	0.00	
4,700.00	38.54	325.68	4,083.25	1,658.15	-1,132.02	1,677.46	0.00	0.00	0.00	
4,800.00	38.54	325.68	4,161.46	1,709.61	-1,167.15	1,729.52	0.00	0.00	0.00	
4,900.00	38.54	325.68	4,239.68	1,761.07	-1,202.28	1,781.58	0.00	0.00	0.00	
5,000.00	38.54	325.68	4,317.90	1,812.52	-1,237.41	1,833.63	0.00	0.00	0.00	
5,100.00	38.54	325.68	4,396.12	1,863.98	-1,272.54	1,885.69	0.00	0.00	0.00	
5,200.00	38.54	325.68	4,474.33	1,915.44	-1,307.67	1,937.75	0.00	0.00	0.00	
5,300.00	38.54	325.68	4,552.55	1,966.90	-1,342.80	1,989.81	0.00	0.00	0.00	
5,400.00	38.54	325.68	4,630.77	2,018.36	-1,377.93	2,041.86	0.00	0.00	0.00	
5,500.00	38.54	325.68	4,708.98	2,069.81	-1,413.06	2,093.92	0.00	0.00	0.00	
5,600.00	38.54	325.68	4,787.20	2,121.27	-1,448.19	2,145.98	0.00	0.00	0.00	
5,700.00	38.54	325.68	4,865.42	2,172.73	-1,483.32	2,198.03	0.00	0.00	0.00	
5,800.00	38.54	325.68	4,943.64	2,224.19	-1,518.45	2,250.09	0.00	0.00	0.00	
5,900.00	38.54	325.68	5,021.85	2,275.65	-1,553.58	2,302.15	0.00	0.00	0.00	
6,000.00	38.54	325.68	5,100.07	2,327.10	-1,588.71	2,354.21	0.00	0.00	0.00	
6,100.00	38.54	325.68	5,178.29	2,378.56	-1,623.84	2,406.26	0.00	0.00	0.00	
6,200.00	38.54	325.68	5,256.51	2,430.02	-1,658.97	2,458.32	0.00	0.00	0.00	
6,300.00	38.54	325.68	5,334.72	2,481.48	-1,694.10	2,510.38	0.00	0.00	0.00	
6,400.00	38.54	325.68	5,412.94	2,532.94	-1,729.23	2,562.43	0.00	0.00	0.00	
6,500.00	38.54	325.68	5,491.16	2,584.39	-1,764.36	2,614.49	0.00	0.00	0.00	
6,600.00	38.54	325.68	5,569.37	2,635.85	-1,799.49	2,666.55	0.00	0.00	0.00	
6,700.00	38.54	325.68	5,647.59	2,687.31	-1,834.62	2,718.61	0.00	0.00	0.00	
6,800.00	38.54	325.68	5,725.81	2,738.77	-1,869.75	2,770.66	0.00	0.00	0.00	
6,900.00	38.54	325.68	5,804.03	2,790.22	-1,904.88	2,822.72	0.00	0.00	0.00	
7,000.00	38.54	325.68	5,882.24	2,841.68	-1,940.02	2,874.78	0.00	0.00	0.00	
7,100.00	38.54	325.68	5,960.46	2,893.14	-1,975.15	2,926.83	0.00	0.00	0.00	
7,200.00	38.54	325.68	6,038.68	2,944.60	-2,010.28	2,978.89	0.00	0.00	0.00	
7,296.75	38.54	325.68	6,114.35	2,994.38	-2,044.26	3,029.26	0.00	0.00	0.00	
Start DLS 10.00 TFO 40.06										
7,300.00	38.79	326.01	6,116.89	2,996.06	-2,045.40	3,030.96	10.00	7.67	10.27	
7,350.00	42.73	330.73	6,154.76	3,023.87	-2,062.46	3,059.05	10.00	7.88	9.43	
7,400.00	46.84	334.78	6,190.25	3,055.18	-2,078.54	3,090.64	10.00	8.22	8.10	
7,450.00	51.07	338.31	6,223.08	3,089.77	-2,093.51	3,125.48	10.00	8.47	7.06	
7,500.00	55.40	341.44	6,253.00	3,127.38	-2,107.26	3,163.32	10.00	8.65	6.26	
7,550.00	59.80	344.25	6,279.79	3,167.70	-2,119.68	3,203.86	10.00	8.80	5.63	
7,600.00	64.25	346.83	6,303.24	3,210.45	-2,130.68	3,246.79	10.00	8.91	5.15	
7,650.00	68.75	349.21	6,323.18	3,255.30	-2,140.18	3,291.79	10.00	8.99	4.77	
7,700.00	73.28	351.46	6,339.44	3,301.89	-2,148.11	3,338.51	10.00	9.06	4.49	
7,750.00	77.83	353.59	6,351.91	3,349.88	-2,154.40	3,386.61	10.00	9.10	4.28	
7,800.00	82.40	355.66	6,360.50	3,398.91	-2,159.00	3,435.71	10.00	9.13	4.13	
7,850.00	86.97	357.69	6,365.13	3,448.60	-2,161.88	3,485.43	10.00	9.15	4.05	
7,883.05	90.00	359.01	6,366.00	3,481.62	-2,162.84	3,518.47	10.00	9.16	4.01	
Start 4441.37 hold at 7883.05 MD										
7,900.00	90.00	359.01	6,366.00	3,498.56	-2,163.13	3,535.42	0.00	0.00	0.00	
8,000.00	90.00	359.01	6,366.00	3,598.55	-2,164.85	3,635.42	0.00	0.00	0.00	
8,100.00	90.00	359.01	6,366.00	3,698.53	-2,166.58	3,735.42	0.00	0.00	0.00	
8,200.00	90.00	359.01	6,366.00	3,798.52	-2,168.30	3,835.42	0.00	0.00	0.00	
8,300.00	90.00	359.01	6,366.00	3,898.50	-2,170.02	3,935.42	0.00	0.00	0.00	
8,400.00	90.00	359.01	6,366.00	3,998.49	-2,171.75	4,035.42	0.00	0.00	0.00	
8,500.00	90.00	359.01	6,366.00	4,098.47	-2,173.47	4,135.42	0.00	0.00	0.00	
8,600.00	90.00	359.01	6,366.00	4,198.46	-2,175.20	4,235.42	0.00	0.00	0.00	
8,700.00	90.00	359.01	6,366.00	4,298.44	-2,176.92	4,335.42	0.00	0.00	0.00	

Planning Report

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Company:	HighPoint Resources	TVD Reference:	kb @ 4595.80usft (Cade 23)
Project:	Weld County, CO (NAD83)	MD Reference:	kb @ 4595.80usft (Cade 23)
Site:	Sec 21-T04N-R62W	North Reference:	True
Well:	ANSCHUTZ EQUUS FARMS 4-62-16-6104C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
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)
8,800.00	90.00	359.01	6,366.00	4,398.43	-2,178.64	4,435.42	0.00	0.00	0.00
8,900.00	90.00	359.01	6,366.00	4,498.41	-2,180.37	4,535.42	0.00	0.00	0.00
9,000.00	90.00	359.01	6,366.00	4,598.40	-2,182.09	4,635.42	0.00	0.00	0.00
9,100.00	90.00	359.01	6,366.00	4,698.38	-2,183.82	4,735.42	0.00	0.00	0.00
9,200.00	90.00	359.01	6,366.00	4,798.37	-2,185.54	4,835.42	0.00	0.00	0.00
9,300.00	90.00	359.01	6,366.00	4,898.35	-2,187.26	4,935.42	0.00	0.00	0.00
9,400.00	90.00	359.01	6,366.00	4,998.34	-2,188.99	5,035.42	0.00	0.00	0.00
9,500.00	90.00	359.01	6,366.00	5,098.33	-2,190.71	5,135.42	0.00	0.00	0.00
9,600.00	90.00	359.01	6,366.00	5,198.31	-2,192.44	5,235.42	0.00	0.00	0.00
9,700.00	90.00	359.01	6,366.00	5,298.30	-2,194.16	5,335.42	0.00	0.00	0.00
9,800.00	90.00	359.01	6,366.00	5,398.28	-2,195.89	5,435.42	0.00	0.00	0.00
9,900.00	90.00	359.01	6,366.00	5,498.27	-2,197.61	5,535.42	0.00	0.00	0.00
10,000.00	90.00	359.01	6,366.00	5,598.25	-2,199.33	5,635.42	0.00	0.00	0.00
10,100.00	90.00	359.01	6,366.00	5,698.24	-2,201.06	5,735.42	0.00	0.00	0.00
10,200.00	90.00	359.01	6,366.00	5,798.22	-2,202.78	5,835.42	0.00	0.00	0.00
10,300.00	90.00	359.01	6,366.00	5,898.21	-2,204.51	5,935.42	0.00	0.00	0.00
10,400.00	90.00	359.01	6,366.00	5,998.19	-2,206.23	6,035.42	0.00	0.00	0.00
10,500.00	90.00	359.01	6,366.00	6,098.18	-2,207.95	6,135.42	0.00	0.00	0.00
10,600.00	90.00	359.01	6,366.00	6,198.16	-2,209.68	6,235.42	0.00	0.00	0.00
10,700.00	90.00	359.01	6,366.00	6,298.15	-2,211.40	6,335.42	0.00	0.00	0.00
10,800.00	90.00	359.01	6,366.00	6,398.13	-2,213.13	6,435.42	0.00	0.00	0.00
10,900.00	90.00	359.01	6,366.00	6,498.12	-2,214.85	6,535.42	0.00	0.00	0.00
11,000.00	90.00	359.01	6,366.00	6,598.10	-2,216.57	6,635.42	0.00	0.00	0.00
11,100.00	90.00	359.01	6,366.00	6,698.09	-2,218.30	6,735.42	0.00	0.00	0.00
11,200.00	90.00	359.01	6,366.00	6,798.07	-2,220.02	6,835.42	0.00	0.00	0.00
11,300.00	90.00	359.01	6,366.00	6,898.06	-2,221.75	6,935.42	0.00	0.00	0.00
11,400.00	90.00	359.01	6,366.00	6,998.04	-2,223.47	7,035.42	0.00	0.00	0.00
11,500.00	90.00	359.01	6,366.00	7,098.03	-2,225.19	7,135.42	0.00	0.00	0.00
11,600.00	90.00	359.01	6,366.00	7,198.01	-2,226.92	7,235.42	0.00	0.00	0.00
11,700.00	90.00	359.01	6,366.00	7,298.00	-2,228.64	7,335.42	0.00	0.00	0.00
11,800.00	90.00	359.01	6,366.00	7,397.98	-2,230.37	7,435.42	0.00	0.00	0.00
11,900.00	90.00	359.01	6,366.00	7,497.97	-2,232.09	7,535.42	0.00	0.00	0.00
12,000.00	90.00	359.01	6,366.00	7,597.95	-2,233.82	7,635.42	0.00	0.00	0.00
12,100.00	90.00	359.01	6,366.00	7,697.94	-2,235.54	7,735.42	0.00	0.00	0.00
12,200.00	90.00	359.01	6,366.00	7,797.92	-2,237.26	7,835.42	0.00	0.00	0.00
12,300.00	90.00	359.01	6,366.00	7,897.91	-2,238.99	7,935.42	0.00	0.00	0.00
12,324.42	90.00	359.01	6,366.00	7,922.32	-2,239.41	7,959.83	0.00	0.00	0.00
TD at 12324.42									

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	3,481.62	-2,162.84	1,356,544.67	3,325,921.94	40.306220	-104.331350
PBHL ANSCHUTZ EQU - plan hits target center - Point	0.00	0.00	6,366.00	7,922.32	-2,239.41	1,360,983.97	3,325,786.46	40.318410	-104.331626

Planning Report

Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well ANSCHUTZ EQUUS FARMS 4-62-16-6104C
Company:	HighPoint Resources	TVD Reference:	kb @ 4595.80usft (Cade 23)
Project:	Weld County, CO (NAD83)	MD Reference:	kb @ 4595.80usft (Cade 23)
Site:	Sec 21-T04N-R62W	North Reference:	True
Well:	ANSCHUTZ EQUUS FARMS 4-62-16-6104C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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	6.00	-4.10	Start 383.33 hold at 466.67 MD
850.00	848.33	33.60	-22.93	Start DLS 2.00 TFO 0.00
2,527.00	2,383.59	539.97	-368.64	Start 4769.75 hold at 2527.00 MD
7,296.75	6,114.35	2,994.38	-2,044.26	Start DLS 10.00 TFO 40.06
7,883.05	6,366.00	3,481.62	-2,162.84	Start 4441.37 hold at 7883.05 MD
12,324.42	6,366.00	7,922.32	-2,239.41	TD at 12324.42