

Coleman Oil & Gas

La Plata County CO

SEC 34-7-34 #1

La Plata 34-7-34 #1

Lateral #1

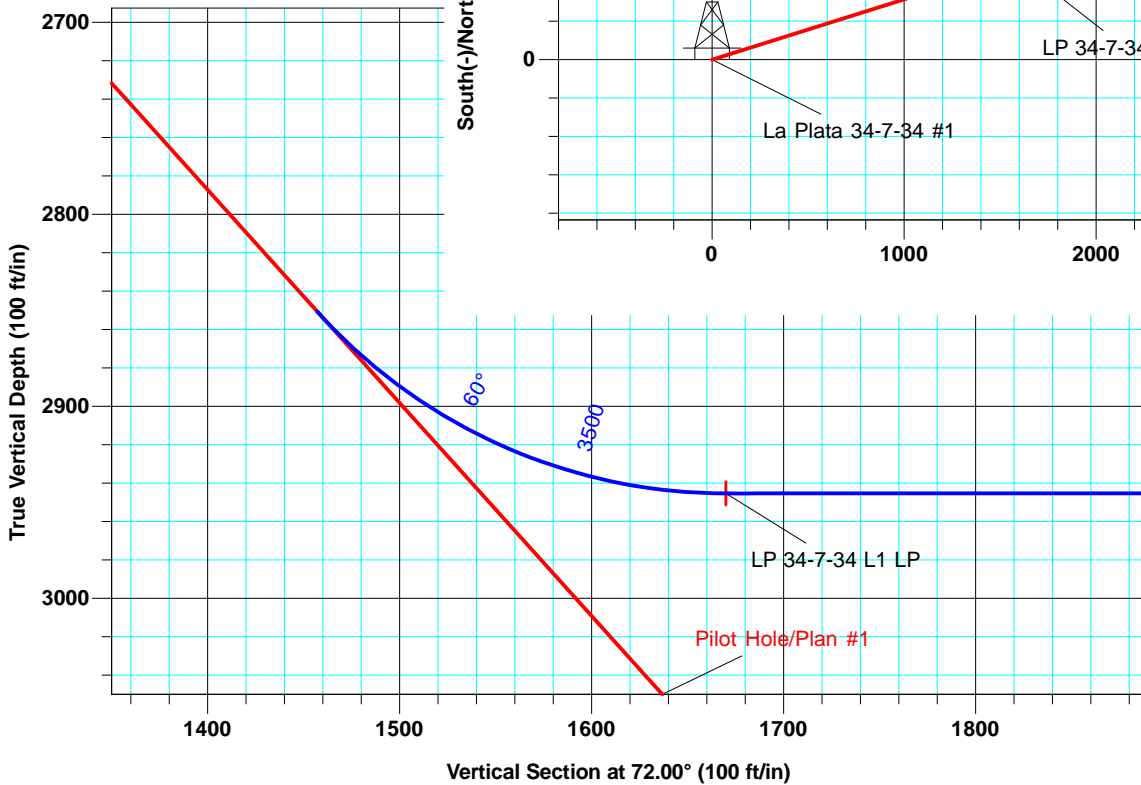
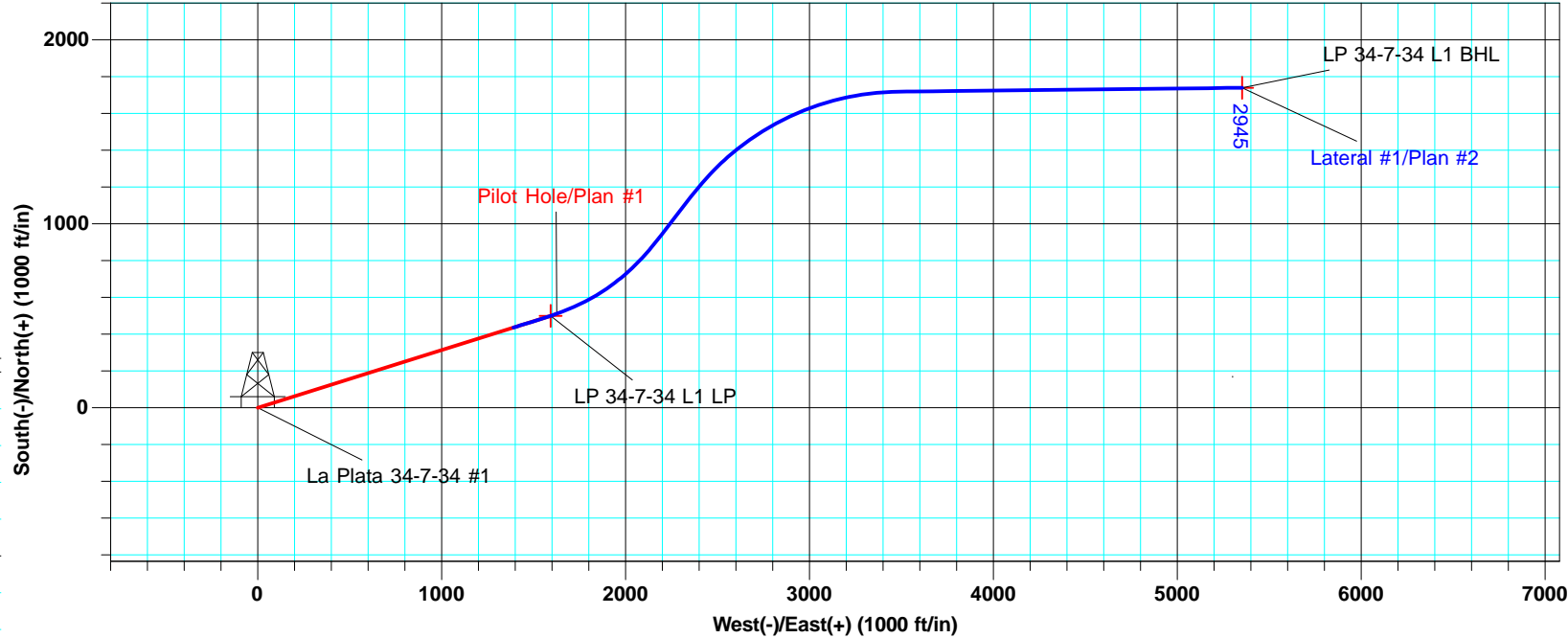
Plan: Plan #2

Standard Planning Report

14 November, 2014

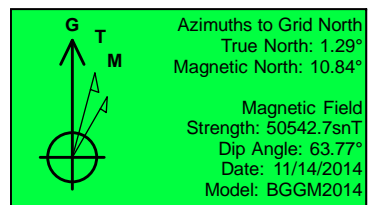


Project: La Plata County CO
 Site: SEC 34-7-34 #1
 Well: La Plata 34-7-34 #1
 Wellbore: Lateral #1
 Design: Plan #2

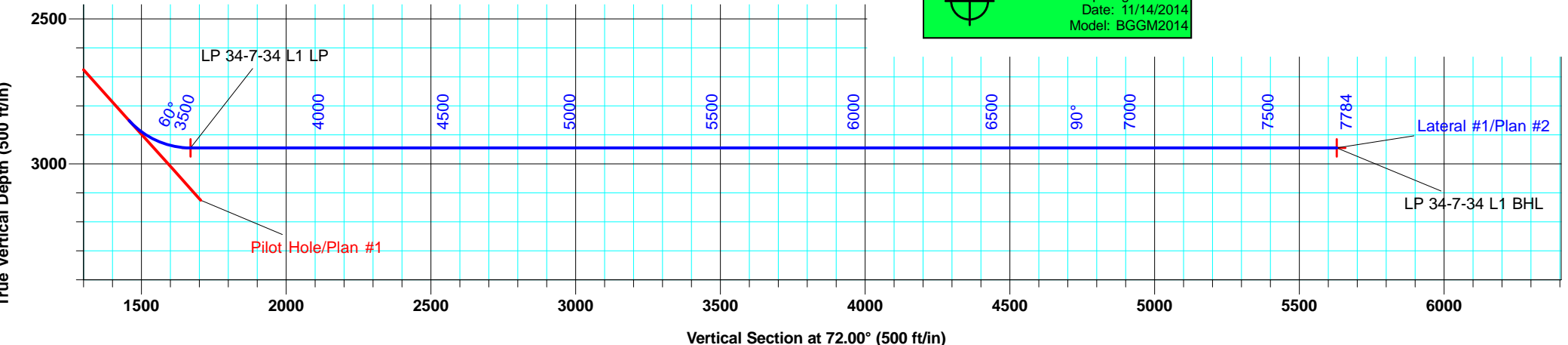


WELL DETAILS						La Plata 34-7-34 #1	
						Ground Level: 6726.0	
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude		
0.0	0.0	1179575.80	2385725.20	37° 8' 26.916 N	107° 36' 26.928 W		

SITE DETAILS: SEC 34-7-34 #1		PROJECT DETAILS: La Plata County CO	
Site Centre Northing: 1179575.80		Geodetic System: US State Plane 1983	
Easting: 2385725.20		Datum: North American Datum 1983	
Positional Uncertainty: 1.0		Ellipsoid: GRS 1980	
Convergence: -1.29		Zone: Colorado Southern Zone	
Local North: Grid		System Datum: Mean Sea Level	



ALL AZIMUTHS MUST BE CORRECTED TO GRID NORTH
 To convert a Magnetic Direction to a Grid Direction, Add 10.84°
 To convert a True Direction to a Grid Direction, Add 1.29°



Database:	EDM 5000.1 Old	Local Co-ordinate Reference:	Well La Plata 34-7-34 #1
Company:	Coleman Oil & Gas	TVD Reference:	DFE @ 6738.5ft (GL + 12.5')
Project:	La Plata County CO	MD Reference:	DFE @ 6738.5ft (GL + 12.5')
Site:	SEC 34-7-34 #1	North Reference:	Grid
Well:	La Plata 34-7-34 #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral #1		
Design:	Plan #2		

Project	La Plata County CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Southern Zone		Using geodetic scale factor

Site	SEC 34-7-34 #1		
Site Position:		Northing:	1,179,575.80 usft
From:	Lat/Long	Easting:	2,385,725.21 usft
Position Uncertainty:	1.0 ft	Slot Radius:	6-1/8 "
		Latitude:	37° 8' 26.916 N
		Longitude:	107° 36' 26.928 W
		Grid Convergence:	-1.29 °

Well	La Plata 34-7-34 #1, FC Horizontal		
Well Position	+N/-S	0.0 ft	Northing: 1,179,575.80 usft
	+E/-W	0.0 ft	Easting: 2,385,725.21 usft
Position Uncertainty	1.0 ft	Wellhead Elevation:	Latitude: 37° 8' 26.916 N
			Longitude: 107° 36' 26.928 W
			Ground Level: 6,726.0 ft

Wellbore	Lateral #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2014	11/14/14	9.55	63.77	50,543

Design	Plan #2				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	3,344.0	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	72.00	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
3,344.0	42.02	72.58	2,850.7	436.3	1,390.4	0.00	0.00	0.00	0.00	
3,583.9	90.00	72.58	2,945.4	500.0	1,593.4	20.00	20.00	0.00	0.00	LP 34-7-34 L1 LP
4,273.9	90.00	38.08	2,945.4	886.6	2,152.4	5.00	0.00	-5.00	-90.00	
4,633.9	90.00	38.08	2,945.4	1,170.0	2,374.4	0.00	0.00	0.00	0.00	
5,915.7	90.00	89.35	2,945.4	1,718.9	3,485.7	4.00	0.00	4.00	90.00	
7,783.9	90.00	89.35	2,945.4	1,740.0	5,353.7	0.00	0.00	0.00	0.00	LP 34-7-34 L1 BHL

Database:	EDM 5000.1 Old	Local Co-ordinate Reference:	Well La Plata 34-7-34 #1
Company:	Coleman Oil & Gas	TVD Reference:	DFE @ 6738.5ft (GL + 12.5')
Project:	La Plata County CO	MD Reference:	DFE @ 6738.5ft (GL + 12.5')
Site:	SEC 34-7-34 #1	North Reference:	Grid
Well:	La Plata 34-7-34 #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral #1		
Design:	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	3.00	72.58	600.0	0.8	2.5	2.6	3.00	3.00	0.00
700.0	6.00	72.58	699.6	3.1	10.0	10.5	3.00	3.00	0.00
800.0	9.00	72.58	798.8	7.0	22.4	23.5	3.00	3.00	0.00
900.0	12.00	72.58	897.1	12.5	39.8	41.7	3.00	3.00	0.00
1,000.0	15.00	72.58	994.3	19.5	62.1	65.1	3.00	3.00	0.00
1,100.0	18.00	72.58	1,090.2	28.0	89.2	93.5	3.00	3.00	0.00
1,200.0	21.00	72.58	1,184.4	38.0	121.0	126.8	3.00	3.00	0.00
1,300.0	24.00	72.58	1,276.8	49.4	157.5	165.1	3.00	3.00	0.00
1,400.0	27.00	72.58	1,367.1	62.3	198.6	208.2	3.00	3.00	0.00
1,500.0	30.00	72.58	1,454.9	76.6	244.1	255.9	3.00	3.00	0.00
1,600.0	33.00	72.58	1,540.2	92.2	294.0	308.1	3.00	3.00	0.00
1,700.0	36.00	72.58	1,622.6	109.2	348.0	364.7	3.00	3.00	0.00
1,800.0	39.00	72.58	1,701.9	127.4	406.1	425.6	3.00	3.00	0.00
1,900.8	42.02	72.58	1,778.5	147.0	468.5	491.0	3.00	3.00	0.00
2,000.0	42.02	72.58	1,852.2	166.9	531.9	557.5	0.00	0.00	0.00
2,100.0	42.02	72.58	1,926.5	187.0	595.8	624.4	0.00	0.00	0.00
2,200.0	42.02	72.58	2,000.8	207.0	659.7	691.3	0.00	0.00	0.00
2,300.0	42.02	72.58	2,075.1	227.0	723.5	758.3	0.00	0.00	0.00
2,400.0	42.02	72.58	2,149.4	247.1	787.4	825.2	0.00	0.00	0.00
2,500.0	42.02	72.58	2,223.7	267.1	851.3	892.2	0.00	0.00	0.00
2,600.0	42.02	72.58	2,298.0	287.2	915.2	959.1	0.00	0.00	0.00
2,700.0	42.02	72.58	2,372.2	307.2	979.0	1,026.0	0.00	0.00	0.00
2,800.0	42.02	72.58	2,446.5	327.2	1,042.9	1,093.0	0.00	0.00	0.00
2,900.0	42.02	72.58	2,520.8	347.3	1,106.8	1,159.9	0.00	0.00	0.00
3,000.0	42.02	72.58	2,595.1	367.3	1,170.6	1,226.9	0.00	0.00	0.00
3,100.0	42.02	72.58	2,669.4	387.4	1,234.5	1,293.8	0.00	0.00	0.00
3,200.0	42.02	72.58	2,743.7	407.4	1,298.4	1,360.7	0.00	0.00	0.00
3,302.7	42.02	72.58	2,820.0	428.0	1,364.0	1,429.5	0.00	0.00	0.00
3,344.0	42.02	72.58	2,850.7	436.3	1,390.4	1,457.1	0.00	0.00	0.00
3,350.0	43.22	72.58	2,855.1	437.5	1,394.2	1,461.2	20.00	20.00	0.00
3,375.0	48.22	72.58	2,872.5	442.8	1,411.3	1,479.1	20.00	20.00	0.00
3,400.0	53.22	72.58	2,888.3	448.6	1,429.8	1,498.4	20.00	20.00	0.00
3,425.0	58.22	72.58	2,902.4	454.8	1,449.5	1,519.1	20.00	20.00	0.00
3,450.0	63.22	72.58	2,914.6	461.3	1,470.3	1,540.9	20.00	20.00	0.00
3,475.0	68.22	72.58	2,924.9	468.2	1,492.0	1,563.7	20.00	20.00	0.00
3,500.0	73.22	72.58	2,933.2	475.2	1,514.5	1,587.2	20.00	20.00	0.00
3,525.0	78.22	72.58	2,939.3	482.5	1,537.6	1,611.5	20.00	20.00	0.00
3,550.0	83.22	72.58	2,943.4	489.9	1,561.2	1,636.1	20.00	20.00	0.00
3,575.0	88.22	72.58	2,945.2	497.3	1,584.9	1,661.1	20.00	20.00	0.00
3,583.9	90.00	72.58	2,945.4	500.0	1,593.4	1,669.9	20.00	20.00	0.00
LP 34-7-34 L1 LP									
3,600.0	90.00	71.77	2,945.4	504.9	1,608.8	1,686.1	5.00	0.00	-5.00
3,700.0	90.00	66.77	2,945.4	540.3	1,702.3	1,785.9	5.00	0.00	-5.00
3,800.0	90.00	61.77	2,945.4	583.7	1,792.3	1,885.0	5.00	0.00	-5.00
3,900.0	90.00	56.77	2,945.4	634.8	1,878.3	1,982.5	5.00	0.00	-5.00
4,000.0	90.00	51.77	2,945.4	693.1	1,959.4	2,077.7	5.00	0.00	-5.00
4,100.0	90.00	46.77	2,945.4	758.4	2,035.2	2,169.9	5.00	0.00	-5.00
4,200.0	90.00	41.77	2,945.4	830.0	2,105.0	2,258.4	5.00	0.00	-5.00

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Well:	La Plata 34-7-34 #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral #1		
Design:	Plan #2		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4,273.9	90.00	38.08	2,945.4	886.6	2,152.4	2,321.0	5.00	0.00	-5.00	
4,300.0	90.00	38.08	2,945.4	907.2	2,168.5	2,342.7	0.00	0.00	0.00	
4,400.0	90.00	38.08	2,945.4	985.9	2,230.1	2,425.7	0.00	0.00	0.00	
4,500.0	90.00	38.08	2,945.4	1,064.6	2,291.8	2,508.6	0.00	0.00	0.00	
4,600.0	90.00	38.08	2,945.4	1,143.3	2,353.5	2,591.6	0.00	0.00	0.00	
4,633.9	90.00	38.08	2,945.4	1,170.0	2,374.4	2,619.8	0.00	0.00	0.00	
4,700.0	90.00	40.72	2,945.4	1,221.1	2,416.4	2,675.5	4.00	0.00	4.00	
4,800.0	90.00	44.72	2,945.4	1,294.5	2,484.2	2,762.7	4.00	0.00	4.00	
4,900.0	90.00	48.72	2,945.4	1,363.1	2,557.0	2,853.1	4.00	0.00	4.00	
5,000.0	90.00	52.72	2,945.4	1,426.4	2,634.4	2,946.2	4.00	0.00	4.00	
5,100.0	90.00	56.72	2,945.4	1,484.1	2,716.0	3,041.7	4.00	0.00	4.00	
5,200.0	90.00	60.72	2,945.4	1,536.0	2,801.4	3,139.0	4.00	0.00	4.00	
5,300.0	90.00	64.72	2,945.4	1,581.8	2,890.3	3,237.7	4.00	0.00	4.00	
5,400.0	90.00	68.72	2,945.4	1,621.3	2,982.1	3,337.3	4.00	0.00	4.00	
5,500.0	90.00	72.72	2,945.4	1,654.3	3,076.5	3,437.2	4.00	0.00	4.00	
5,600.0	90.00	76.72	2,945.4	1,680.7	3,173.0	3,537.1	4.00	0.00	4.00	
5,700.0	90.00	80.72	2,945.4	1,700.2	3,271.0	3,636.4	4.00	0.00	4.00	
5,800.0	90.00	84.72	2,945.4	1,712.9	3,370.2	3,734.6	4.00	0.00	4.00	
5,900.0	90.00	88.72	2,945.4	1,718.6	3,470.0	3,831.3	4.00	0.00	4.00	
5,915.7	90.00	89.35	2,945.4	1,718.9	3,485.7	3,846.3	4.00	0.00	4.00	
6,000.0	90.00	89.35	2,945.4	1,719.8	3,570.0	3,926.8	0.00	0.00	0.00	
6,100.0	90.00	89.35	2,945.4	1,721.0	3,670.0	4,022.2	0.00	0.00	0.00	
6,200.0	90.00	89.35	2,945.4	1,722.1	3,770.0	4,117.7	0.00	0.00	0.00	
6,300.0	90.00	89.35	2,945.4	1,723.2	3,870.0	4,213.1	0.00	0.00	0.00	
6,400.0	90.00	89.35	2,945.4	1,724.4	3,970.0	4,308.5	0.00	0.00	0.00	
6,500.0	90.00	89.35	2,945.4	1,725.5	4,070.0	4,404.0	0.00	0.00	0.00	
6,600.0	90.00	89.35	2,945.4	1,726.6	4,170.0	4,499.4	0.00	0.00	0.00	
6,700.0	90.00	89.35	2,945.4	1,727.7	4,269.9	4,594.9	0.00	0.00	0.00	
6,800.0	90.00	89.35	2,945.4	1,728.9	4,369.9	4,690.3	0.00	0.00	0.00	
6,900.0	90.00	89.35	2,945.4	1,730.0	4,469.9	4,785.8	0.00	0.00	0.00	
7,000.0	90.00	89.35	2,945.4	1,731.1	4,569.9	4,881.2	0.00	0.00	0.00	
7,100.0	90.00	89.35	2,945.4	1,732.3	4,669.9	4,976.7	0.00	0.00	0.00	
7,200.0	90.00	89.35	2,945.4	1,733.4	4,769.9	5,072.1	0.00	0.00	0.00	
7,300.0	90.00	89.35	2,945.4	1,734.5	4,869.9	5,167.6	0.00	0.00	0.00	
7,400.0	90.00	89.35	2,945.4	1,735.7	4,969.9	5,263.0	0.00	0.00	0.00	
7,500.0	90.00	89.35	2,945.4	1,736.8	5,069.9	5,358.5	0.00	0.00	0.00	
7,600.0	90.00	89.35	2,945.4	1,737.9	5,169.9	5,453.9	0.00	0.00	0.00	
7,700.0	90.00	89.35	2,945.4	1,739.1	5,269.9	5,549.4	0.00	0.00	0.00	
7,783.9	90.00	89.35	2,945.4	1,740.0	5,353.7	5,629.4	0.00	0.00	0.00	
LP 34-7-34 L1 BHL										

Database:	EDM 5000.1 Old	Local Co-ordinate Reference:	Well La Plata 34-7-34 #1
Company:	Coleman Oil & Gas	TVD Reference:	DFE @ 6738.5ft (GL + 12.5')
Project:	La Plata County CO	MD Reference:	DFE @ 6738.5ft (GL + 12.5')
Site:	SEC 34-7-34 #1	North Reference:	Grid
Well:	La Plata 34-7-34 #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral #1		
Design:	Plan #2		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
LP 34-7-34 L1 LP	0.00	360.00	2,945.4	500.0	1,593.4	1,180,075.80	2,387,318.66	37° 8' 32.213 N	107° 36' 7.393 W
- plan hits target center									
- Point									
LP 34-7-34 L1 BHL	0.00	360.00	2,945.4	1,740.0	5,353.7	1,181,315.83	2,391,079.04	37° 8' 45.304 N	107° 35' 21.305 W
- plan hits target center									
- Point									