

# **Coleman Oil & Gas**

**La Plata County CO**

**SEC 34-7-34 #1**

**La Plata 34-7-34 #1**

**Pilot Hole**

**Plan: Plan #1**

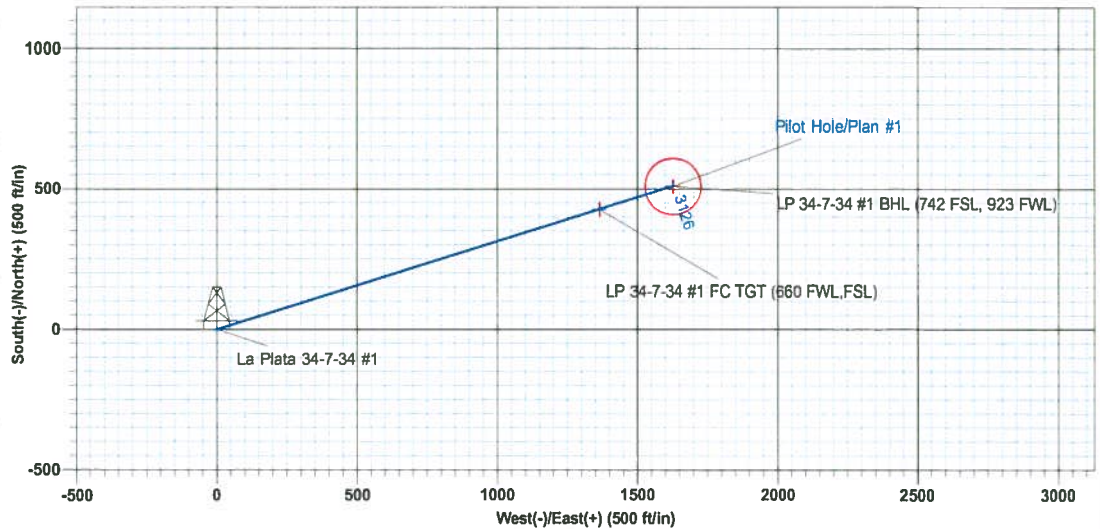
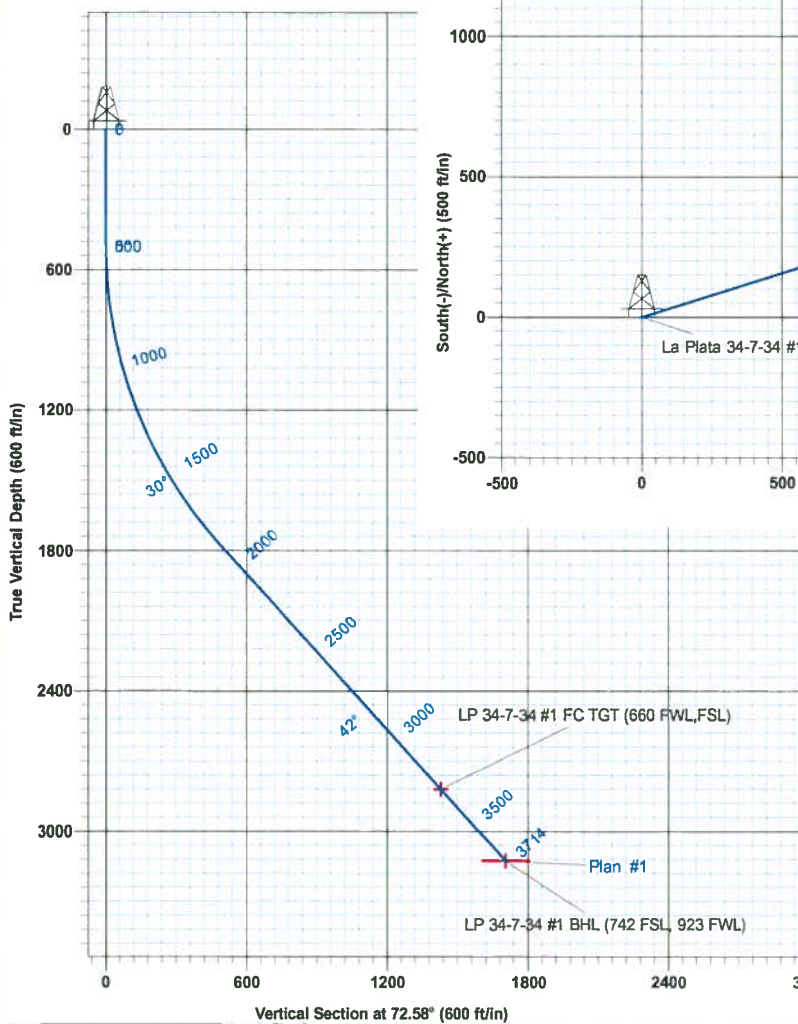
## **Standard Planning Report**

**06 August, 2014**





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



DESIGN TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
LP 34-7-34 #1 FC TGT (660 FWL,FSL)	2820.0	428.0	1384.0	37° 8' 31.450 N	107° 36' 10.208 W
LP 34-7-34 #1 BHL (742 FSL, 923 FWL)	3125.5	510.4	1626.7	37° 8' 32.324 N	107° 36' 6.985 W

WELL DETAILS La Plata 34-7-34 #1					
DFE @ 6738 5ft (GL + 12.5')					
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		
Site Centre Northing:	1179575.80	
Easting:	2385725.20	
Positional Uncertainty:	1.0	
Convergence:	-1.29	
Local North:	Grid	

PROJECT DETAILS: La Plata County CO		
Geodetic System:	US State Plane 1983	
Datum:	North American Datum 1983	
Ellipsoid:	GRS 1980	
Zone:	Colorado Southern Zone	
System Datum:	Mean Sea Level	

ALL AZIMUTHS MUST BE CORRECTED TO GRID NORTH  
 To convert a Magnetic Direction to a Grid Direction, Add 10.87°  
 To convert a True Direction to a Grid Direction, Add 1.29°

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

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

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

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

<b>Wellbore</b>	Pilot Hole				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	BGGM2014	08/05/14	9.58	63.78	50,579

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	72.58

<b>Plan Sections</b>										
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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,900.8	42.02	72.58	1,778.5	147.0	468.5	3.00	3.00	0.00	72.58	
3,302.7	42.02	72.58	2,820.0	428.0	1,364.0	0.00	0.00	0.00	0.00	LP 34-7-34 #1 FC T
3,714.0	42.02	72.58	3,125.5	510.4	1,626.7	0.00	0.00	0.00	0.00	LP 34-7-34 #1 BHL

<b>Database:</b>	EDM 5000.1 Old	<b>Local Co-ordinate Reference:</b>	Well La Plata 34-7-34 #1
<b>Company:</b>	Coleman Oil & Gas	<b>TVD Reference:</b>	DFE @ 6738.5ft (GL + 12.5')
<b>Project:</b>	La Plata County CO	<b>MD Reference:</b>	DFE @ 6738.5ft (GL + 12.5')
<b>Site:</b>	SEC 34-7-34 #1	<b>North Reference:</b>	Grid
<b>Well:</b>	La Plata 34-7-34 #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Pilot Hole		
<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 (°/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	126.9	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	364.8	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	491.1	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	691.4	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	825.3	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	959.2	0.00	0.00	0.00
2,700.0	42.02	72.58	2,372.3	307.2	979.0	1,026.1	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	1,160.0	0.00	0.00	0.00
3,000.0	42.02	72.58	2,595.1	367.3	1,170.7	1,226.9	0.00	0.00	0.00
3,100.0	42.02	72.58	2,669.4	387.4	1,234.5	1,293.9	0.00	0.00	0.00
3,200.0	42.02	72.58	2,743.7	407.4	1,298.4	1,360.8	0.00	0.00	0.00
3,302.7	42.02	72.58	2,820.0	428.0	1,364.0	1,429.6	0.00	0.00	0.00
LP 34-7-34 #1 FC TGT (660 FWL,FSL)									
3,400.0	42.02	72.58	2,892.3	447.5	1,426.1	1,494.7	0.00	0.00	0.00
3,500.0	42.02	72.58	2,966.6	467.5	1,490.0	1,561.6	0.00	0.00	0.00
3,600.0	42.02	72.58	3,040.8	487.6	1,553.9	1,628.6	0.00	0.00	0.00
3,700.0	42.02	72.58	3,115.1	507.6	1,617.8	1,695.5	0.00	0.00	0.00
3,714.0	42.02	72.58	3,125.5	510.4	1,626.7	1,704.9	0.00	0.00	0.00
LP 34-7-34 #1 BHL (742 FSL, 923 FWL)									



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<b>Project:</b>	La Plata County CO	<b>MD Reference:</b>	DFE @ 6738.5ft (GL + 12.5')
<b>Site:</b>	SEC 34-7-34 #1	<b>North Reference:</b>	Grid
<b>Well:</b>	La Plata 34-7-34 #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Pilot Hole		
<b>Design:</b>	Plan #1		

#### 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 #1 FC TG	0.00	0.00	2,820.0	428.0	1,364.0	1,180,003.81	2,387,089.23	37° 8' 31.450 N	107° 36' 10.206 W
- plan hits target center									
- Point									
LP 34-7-34 #1 BHL (7	0.00	360.00	3,125.5	510.4	1,626.7	1,180,086.23	2,387,351.90	37° 8' 32.324 N	107° 36' 6.985 W
- plan hits target center									
- Circle (radius 100.0)									