



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well 8516A-33 E34 496
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 8324.0ft (Original Well Elev)
Project:	Story Gulch	MD Reference:	WELL @ 8324.0ft (Original Well Elev)
Site:	S33-T4S-R96W (E34 496)	North Reference:	True
Well:	8516A-33 E34 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #1		

Project	Story Gulch		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site		S33-T4S-R96W (E34 496)			
Site Position:		Northing:	1,676,257.20 ft	Latitude:	39° 39' 36.020 N
From:	Lat/Long	Easting:	2,251,040.13 ft	Longitude:	108° 9' 38.140 W
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-1.68 °

Well	8516A-33 E34 496					
Well Position	+N/-S	0.0 ft	Northing:	1,676,146.37 ft	Latitude:	39° 39' 34.920 N
	+E/-W	0.0 ft	Easting:	2,251,022.02 ft	Longitude:	108° 9' 38.330 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	8,301.0 ft

Wellbore	DD				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/19/2012	10.32	65.82	52,197

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	230.81

Plan Sections										
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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,024.7	24.74	230.78	999.3	-110.8	-135.8	3.00	3.00	0.00	230.78	
7,184.5	24.74	230.78	6,593.7	-1,740.9	-2,133.0	0.00	0.00	0.00	0.00	
8,009.2	0.00	0.00	7,393.0	-1,851.7	-2,268.8	3.00	-3.00	0.00	180.00	E34 496 8516A-33 TC
8,053.8	0.22	236.44	7,437.7	-1,851.7	-2,268.9	0.50	0.50	-276.61	236.44	
12,651.2	0.22	236.44	12,035.0	-1,861.7	-2,283.8	0.00	0.00	0.00	0.00	E34 496 8516A-33 PE
12,801.2	0.22	236.44	12,185.0	-1,862.0	-2,284.3	0.00	0.00	0.00	0.00	

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Project:	Story Gulch	MD Reference:	WELL @ 8324.0ft (Original Well Elev)
Site:	S33-T4S-R96W (E34 496)	North Reference:	True
Well:	8516A-33 E34 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	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)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	KOP @ 200'
300.0	3.00	230.78	300.0	-1.7	-2.0	2.6	3.00	3.00	
400.0	6.00	230.78	399.6	-6.6	-8.1	10.5	3.00	3.00	
500.0	9.00	230.78	498.8	-14.9	-18.2	23.5	3.00	3.00	
600.0	12.00	230.78	597.1	-26.4	-32.3	41.7	3.00	3.00	
700.0	15.00	230.78	694.3	-41.1	-50.4	65.1	3.00	3.00	
800.0	18.00	230.78	790.2	-59.1	-72.4	93.5	3.00	3.00	
900.0	21.00	230.78	884.4	-80.2	-98.3	126.9	3.00	3.00	
1,000.0	24.00	230.78	976.8	-104.4	-127.9	165.1	3.00	3.00	
1,024.7	24.74	230.78	999.3	-110.8	-135.8	175.3	3.00	3.00	EOB; Inc=24.74°
1,100.0	24.74	230.78	1,067.7	-130.8	-160.2	206.8	0.00	0.00	
1,193.9	24.74	230.78	1,153.0	-155.6	-190.7	246.1	0.00	0.00	A_GROOVE_TVD
1,200.0	24.74	230.78	1,158.5	-157.2	-192.7	248.7	0.00	0.00	
1,300.0	24.74	230.78	1,249.3	-183.7	-225.1	290.5	0.00	0.00	
1,367.9	24.74	230.78	1,311.0	-201.7	-247.1	318.9	0.00	0.00	B_GROOVE_TVD
1,400.0	24.74	230.78	1,340.2	-210.2	-257.5	332.4	0.00	0.00	
1,402.0	24.74	230.78	1,342.0	-210.7	-258.2	333.2	0.00	0.00	B_GROOVE_BASE_TVD
1,500.0	24.74	230.78	1,431.0	-236.6	-289.9	374.2	0.00	0.00	
1,600.0	24.74	230.78	1,521.8	-263.1	-322.3	416.1	0.00	0.00	
1,700.0	24.74	230.78	1,612.6	-289.5	-354.8	457.9	0.00	0.00	
1,800.0	24.74	230.78	1,703.4	-316.0	-387.2	499.8	0.00	0.00	
1,900.0	24.74	230.78	1,794.3	-342.5	-419.6	541.6	0.00	0.00	
2,000.0	24.74	230.78	1,885.1	-368.9	-452.0	583.5	0.00	0.00	
2,100.0	24.74	230.78	1,975.9	-395.4	-484.5	625.3	0.00	0.00	
2,200.0	24.74	230.78	2,066.7	-421.9	-516.9	667.2	0.00	0.00	
2,300.0	24.74	230.78	2,157.6	-448.3	-549.3	709.0	0.00	0.00	
2,354.4	24.74	230.78	2,207.0	-462.7	-567.0	731.8	0.00	0.00	GARDEN_GULCH_TVD
2,400.0	24.74	230.78	2,248.4	-474.8	-581.7	750.9	0.00	0.00	
2,500.0	24.74	230.78	2,339.2	-501.2	-614.1	792.7	0.00	0.00	
2,600.0	24.74	230.78	2,430.0	-527.7	-646.6	834.6	0.00	0.00	
2,700.0	24.74	230.78	2,520.8	-554.2	-679.0	876.4	0.00	0.00	
2,800.0	24.74	230.78	2,611.7	-580.6	-711.4	918.3	0.00	0.00	
2,900.0	24.74	230.78	2,702.5	-607.1	-743.8	960.1	0.00	0.00	
3,000.0	24.74	230.78	2,793.3	-633.6	-776.3	1,002.0	0.00	0.00	
3,100.0	24.74	230.78	2,884.1	-660.0	-808.7	1,043.8	0.00	0.00	
3,200.0	24.74	230.78	2,974.9	-686.5	-841.1	1,085.7	0.00	0.00	
3,300.0	24.74	230.78	3,065.8	-712.9	-873.5	1,127.5	0.00	0.00	
3,400.0	24.74	230.78	3,156.6	-739.4	-906.0	1,169.4	0.00	0.00	
3,490.7	24.74	230.78	3,239.0	-763.4	-935.4	1,207.4	0.00	0.00	WASATCH_FM_TVD
3,500.0	24.74	230.78	3,247.4	-765.9	-938.4	1,211.2	0.00	0.00	
3,600.0	24.74	230.78	3,338.2	-792.3	-970.8	1,253.1	0.00	0.00	
3,700.0	24.74	230.78	3,429.1	-818.8	-1,003.2	1,294.9	0.00	0.00	
3,800.0	24.74	230.78	3,519.9	-845.3	-1,035.6	1,336.8	0.00	0.00	
3,900.0	24.74	230.78	3,610.7	-871.7	-1,068.1	1,378.6	0.00	0.00	
4,000.0	24.74	230.78	3,701.5	-898.2	-1,100.5	1,420.5	0.00	0.00	
4,100.0	24.74	230.78	3,792.3	-924.6	-1,132.9	1,462.3	0.00	0.00	
4,200.0	24.74	230.78	3,883.2	-951.1	-1,165.3	1,504.2	0.00	0.00	
4,300.0	24.74	230.78	3,974.0	-977.6	-1,197.8	1,546.0	0.00	0.00	
4,400.0	24.74	230.78	4,064.8	-1,004.0	-1,230.2	1,587.9	0.00	0.00	
4,500.0	24.74	230.78	4,155.6	-1,030.5	-1,262.6	1,629.7	0.00	0.00	

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Project:	Story Gulch	MD Reference:	WELL @ 8324.0ft (Original Well Elev)
Site:	S33-T4S-R96W (E34 496)	North Reference:	True
Well:	8516A-33 E34 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	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)	Comments / Formations
4,600.0	24.74	230.78	4,246.4	-1,056.9	-1,295.0	1,671.6	0.00	0.00	
4,700.0	24.74	230.78	4,337.3	-1,083.4	-1,327.5	1,713.4	0.00	0.00	
4,800.0	24.74	230.78	4,428.1	-1,109.9	-1,359.9	1,755.3	0.00	0.00	
4,900.0	24.74	230.78	4,518.9	-1,136.3	-1,392.3	1,797.1	0.00	0.00	
5,000.0	24.74	230.78	4,609.7	-1,162.8	-1,424.7	1,839.0	0.00	0.00	
5,100.0	24.74	230.78	4,700.6	-1,189.3	-1,457.1	1,880.9	0.00	0.00	
5,200.0	24.74	230.78	4,791.4	-1,215.7	-1,489.6	1,922.7	0.00	0.00	
5,300.0	24.74	230.78	4,882.2	-1,242.2	-1,522.0	1,964.6	0.00	0.00	
5,400.0	24.74	230.78	4,973.0	-1,268.6	-1,554.4	2,006.4	0.00	0.00	
5,500.0	24.74	230.78	5,063.8	-1,295.1	-1,586.8	2,048.3	0.00	0.00	
5,600.0	24.74	230.78	5,154.7	-1,321.6	-1,619.3	2,090.1	0.00	0.00	
5,700.0	24.74	230.78	5,245.5	-1,348.0	-1,651.7	2,132.0	0.00	0.00	
5,790.9	24.74	230.78	5,328.0	-1,372.1	-1,681.1	2,170.0	0.00	0.00	WASATCH_G_TVD
5,800.0	24.74	230.78	5,336.3	-1,374.5	-1,684.1	2,173.8	0.00	0.00	
5,900.0	24.74	230.78	5,427.1	-1,401.0	-1,716.5	2,215.7	0.00	0.00	
6,000.0	24.74	230.78	5,517.9	-1,427.4	-1,748.9	2,257.5	0.00	0.00	
6,100.0	24.74	230.78	5,608.8	-1,453.9	-1,781.4	2,299.4	0.00	0.00	
6,200.0	24.74	230.78	5,699.6	-1,480.3	-1,813.8	2,341.2	0.00	0.00	
6,300.0	24.74	230.78	5,790.4	-1,506.8	-1,846.2	2,383.1	0.00	0.00	
6,400.0	24.74	230.78	5,881.2	-1,533.3	-1,878.6	2,424.9	0.00	0.00	
6,500.0	24.74	230.78	5,972.0	-1,559.7	-1,911.1	2,466.8	0.00	0.00	
6,600.0	24.74	230.78	6,062.9	-1,586.2	-1,943.5	2,508.6	0.00	0.00	
6,700.0	24.74	230.78	6,153.7	-1,612.7	-1,975.9	2,550.5	0.00	0.00	
6,800.0	24.74	230.78	6,244.5	-1,639.1	-2,008.3	2,592.3	0.00	0.00	
6,900.0	24.74	230.78	6,335.3	-1,665.6	-2,040.8	2,634.2	0.00	0.00	
7,000.0	24.74	230.78	6,426.2	-1,692.0	-2,073.2	2,676.0	0.00	0.00	
7,100.0	24.74	230.78	6,517.0	-1,718.5	-2,105.6	2,717.9	0.00	0.00	
7,184.5	24.74	230.78	6,593.7	-1,740.9	-2,133.0	2,753.2	0.00	0.00	Start Drop -3.00
7,200.0	24.27	230.78	6,607.8	-1,744.9	-2,138.0	2,759.7	3.00	-3.00	
7,300.0	21.27	230.78	6,700.0	-1,769.4	-2,168.0	2,798.4	3.00	-3.00	
7,400.0	18.27	230.78	6,794.1	-1,790.8	-2,194.2	2,832.2	3.00	-3.00	
7,500.0	15.27	230.78	6,889.8	-1,809.0	-2,216.5	2,861.1	3.00	-3.00	
7,600.0	12.27	230.78	6,987.0	-1,824.1	-2,235.0	2,884.9	3.00	-3.00	
7,700.0	9.27	230.78	7,085.2	-1,835.9	-2,249.5	2,903.6	3.00	-3.00	
7,800.0	6.27	230.78	7,184.3	-1,844.5	-2,259.9	2,917.1	3.00	-3.00	
7,900.0	3.27	230.78	7,283.9	-1,849.7	-2,266.4	2,925.4	3.00	-3.00	
8,000.0	0.27	230.78	7,383.8	-1,851.7	-2,268.8	2,928.5	3.00	-3.00	
8,009.2	0.00	0.00	7,393.0	-1,851.7	-2,268.8	2,928.5	3.00	-3.00	EOD; Inc=0° - WILLIAMS_FORK_TVD - E34 496
8,053.8	0.22	236.44	7,437.7	-1,851.7	-2,268.9	2,928.6	0.50	0.50	
8,100.0	0.22	236.44	7,483.8	-1,851.8	-2,269.0	2,928.8	0.00	0.00	
8,200.0	0.22	236.44	7,583.8	-1,852.1	-2,269.3	2,929.2	0.00	0.00	
8,300.0	0.22	236.44	7,683.8	-1,852.3	-2,269.7	2,929.6	0.00	0.00	
8,400.0	0.22	236.44	7,783.8	-1,852.5	-2,270.0	2,930.0	0.00	0.00	
8,500.0	0.22	236.44	7,883.8	-1,852.7	-2,270.3	2,930.3	0.00	0.00	
8,600.0	0.22	236.44	7,983.8	-1,852.9	-2,270.6	2,930.7	0.00	0.00	
8,700.0	0.22	236.44	8,083.8	-1,853.1	-2,271.0	2,931.1	0.00	0.00	
8,800.0	0.22	236.44	8,183.8	-1,853.4	-2,271.3	2,931.5	0.00	0.00	
8,900.0	0.22	236.44	8,283.8	-1,853.6	-2,271.6	2,931.9	0.00	0.00	
9,000.0	0.22	236.44	8,383.8	-1,853.8	-2,271.9	2,932.3	0.00	0.00	
9,100.0	0.22	236.44	8,483.8	-1,854.0	-2,272.3	2,932.7	0.00	0.00	
9,200.0	0.22	236.44	8,583.8	-1,854.2	-2,272.6	2,933.1	0.00	0.00	
9,300.0	0.22	236.44	8,683.8	-1,854.4	-2,272.9	2,933.4	0.00	0.00	

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Project:	Story Gulch	MD Reference:	WELL @ 8324.0ft (Original Well Elev)
Site:	S33-T4S-R96W (E34 496)	North Reference:	True
Well:	8516A-33 E34 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	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)	Comments / Formations
9,400.0	0.22	236.44	8,783.8	-1,854.6	-2,273.2	2,933.8	0.00	0.00	
9,500.0	0.22	236.44	8,883.8	-1,854.9	-2,273.6	2,934.2	0.00	0.00	
9,600.0	0.22	236.44	8,983.8	-1,855.1	-2,273.9	2,934.6	0.00	0.00	
9,700.0	0.22	236.44	9,083.8	-1,855.3	-2,274.2	2,935.0	0.00	0.00	
9,800.0	0.22	236.44	9,183.8	-1,855.5	-2,274.5	2,935.4	0.00	0.00	
9,900.0	0.22	236.44	9,283.8	-1,855.7	-2,274.9	2,935.8	0.00	0.00	
10,000.0	0.22	236.44	9,383.8	-1,855.9	-2,275.2	2,936.2	0.00	0.00	
10,100.0	0.22	236.44	9,483.8	-1,856.2	-2,275.5	2,936.5	0.00	0.00	
10,200.0	0.22	236.44	9,583.8	-1,856.4	-2,275.8	2,936.9	0.00	0.00	
10,300.0	0.22	236.44	9,683.8	-1,856.6	-2,276.2	2,937.3	0.00	0.00	
10,400.0	0.22	236.44	9,783.8	-1,856.8	-2,276.5	2,937.7	0.00	0.00	
10,500.0	0.22	236.44	9,883.8	-1,857.0	-2,276.8	2,938.1	0.00	0.00	
10,600.0	0.22	236.44	9,983.8	-1,857.2	-2,277.1	2,938.5	0.00	0.00	
10,700.0	0.22	236.44	10,083.8	-1,857.4	-2,277.5	2,938.9	0.00	0.00	
10,800.0	0.22	236.44	10,183.8	-1,857.7	-2,277.8	2,939.3	0.00	0.00	
10,900.0	0.22	236.44	10,283.8	-1,857.9	-2,278.1	2,939.6	0.00	0.00	
11,000.0	0.22	236.44	10,383.8	-1,858.1	-2,278.4	2,940.0	0.00	0.00	
11,100.0	0.22	236.44	10,483.8	-1,858.3	-2,278.8	2,940.4	0.00	0.00	
11,134.2	0.22	236.44	10,518.0	-1,858.4	-2,278.9	2,940.6	0.00	0.00	CAMEO_TVD
11,200.0	0.22	236.44	10,583.8	-1,858.5	-2,279.1	2,940.8	0.00	0.00	
11,300.0	0.22	236.44	10,683.8	-1,858.7	-2,279.4	2,941.2	0.00	0.00	
11,400.0	0.22	236.44	10,783.8	-1,859.0	-2,279.7	2,941.6	0.00	0.00	
11,500.0	0.22	236.44	10,883.8	-1,859.2	-2,280.1	2,942.0	0.00	0.00	
11,600.0	0.22	236.44	10,983.8	-1,859.4	-2,280.4	2,942.4	0.00	0.00	
11,610.2	0.22	236.44	10,994.0	-1,859.4	-2,280.4	2,942.4	0.00	0.00	ROLLINS_TVD
11,700.0	0.22	236.44	11,083.8	-1,859.6	-2,280.7	2,942.8	0.00	0.00	
11,800.0	0.22	236.44	11,183.8	-1,859.8	-2,281.0	2,943.1	0.00	0.00	
11,865.2	0.22	236.44	11,249.0	-1,860.0	-2,281.3	2,943.4	0.00	0.00	COZZETTE_TVD
11,900.0	0.22	236.44	11,283.8	-1,860.0	-2,281.4	2,943.5	0.00	0.00	
12,000.0	0.22	236.44	11,383.8	-1,860.3	-2,281.7	2,943.9	0.00	0.00	
12,050.2	0.22	236.44	11,434.0	-1,860.4	-2,281.9	2,944.1	0.00	0.00	CORCORAN_TVD
12,100.0	0.22	236.44	11,483.8	-1,860.5	-2,282.0	2,944.3	0.00	0.00	
12,200.0	0.22	236.44	11,583.8	-1,860.7	-2,282.3	2,944.7	0.00	0.00	
12,300.0	0.22	236.44	11,683.8	-1,860.9	-2,282.7	2,945.1	0.00	0.00	
12,351.2	0.22	236.44	11,735.0	-1,861.0	-2,282.8	2,945.3	0.00	0.00	UPPER_SEGO_TVD
12,400.0	0.22	236.44	11,783.8	-1,861.1	-2,283.0	2,945.5	0.00	0.00	
12,500.0	0.22	236.44	11,883.8	-1,861.3	-2,283.3	2,945.9	0.00	0.00	
12,501.2	0.22	236.44	11,885.0	-1,861.3	-2,283.3	2,945.9	0.00	0.00	SEGO_BASE_TARGET_TVD
12,600.0	0.22	236.44	11,983.8	-1,861.5	-2,283.6	2,946.2	0.00	0.00	
12,651.2	0.22	236.44	12,035.0	-1,861.7	-2,283.8	2,946.4	0.00	0.00	Drillers TD @ 12,651' MD - E34 496 8516A-33 I
12,700.0	0.22	236.44	12,083.8	-1,861.8	-2,284.0	2,946.6	0.00	0.00	
12,800.0	0.22	236.44	12,183.8	-1,862.0	-2,284.3	2,947.0	0.00	0.00	
12,801.2	0.22	236.44	12,185.0	-1,862.0	-2,284.3	2,947.0	0.00	0.00	Permit TD @ 12,801' MD

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well 8516A-33 E34 496
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 8324.0ft (Original Well Elev)
Project:	Story Gulch	MD Reference:	WELL @ 8324.0ft (Original Well Elev)
Site:	S33-T4S-R96W (E34 496)	North Reference:	True
Well:	8516A-33 E34 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #1		

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
E34 496 8516A-33 TGT	0.00	0.00	7,393.0	-1,851.7	-2,268.8	1,674,361.90	2,248,699.97	39° 39' 16.618 N	108° 10' 7.338 W
- plan hits target center									
- Point									
E34 496 8516A-33 PBH	0.00	0.00	12,035.0	-1,861.7	-2,283.8	1,674,352.39	2,248,684.68	39° 39' 16.520 N	108° 10' 7.530 W
- plan hits target center									
- Rectangle (sides W30.0 H50.0 D0.0)									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
1,193.9	1,153.0	A_GROOVE_TVD				
1,367.9	1,311.0	B_GROOVE_TVD				
1,402.0	1,342.0	B_GROOVE_BASE_TVD				
2,354.4	2,207.0	GARDEN_GULCH_TVD				
3,490.7	3,239.0	WASATCH_FM_TVD				
5,790.9	5,328.0	WASATCH_G_TVD				
8,009.2	7,393.0	WILLIAMS_FORK_TVD				
11,134.2	10,518.0	CAMEO_TVD				
11,610.2	10,994.0	ROLLINS_TVD				
11,865.2	11,249.0	COZZETTE_TVD				
12,050.2	11,434.0	CORCORAN_TVD				
12,351.2	11,735.0	UPPER_SEGO_TVD				
12,501.2	11,885.0	SEGO_BASE_TARGET_TVD				

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
200.0	200.0	0.0	0.0	KOP @ 200'
1,024.7	999.3	-110.8	-135.8	EOB; Inc=24.74°
7,184.5	6,593.7	-1,740.9	-2,133.0	Start Drop -3.00
8,009.2	7,393.0	-1,851.7	-2,268.8	EOD; Inc=0°
12,651.2	12,035.0	-1,851.7	-2,268.9	Drillers TD @ 12,651' MD
12,801.2	12,185.0	-1,861.7	-2,283.8	Permit TD @ 12,801' MD