



## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well 8511E-34 E34 496
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 8324.0ft (Original Well Elev)
<b>Project:</b>	Story Gulch	<b>MD Reference:</b>	WELL @ 8324.0ft (Original Well Elev)
<b>Site:</b>	S33-T4S-R96W (E34 496)	<b>North Reference:</b>	True
<b>Well:</b>	8511E-34 E34 496	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	Plan #1		

<b>Project</b>	Story Gulch		
<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 Central Zone		

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

<b>Well</b>	8511E-34 E34 496					
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	1,676,172.32 ft	<b>Latitude:</b>	39° 39' 35.180 N
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	2,251,034.52 ft	<b>Longitude:</b>	108° 9' 38.180 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	8,301.0 ft

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

<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)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	168.02

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	
898.5	13.97	167.44	891.6	-82.7	18.4	2.00	2.00	0.00	167.44	
7,054.4	13.97	167.44	6,865.4	-1,533.3	341.5	0.00	0.00	0.00	0.00	
7,752.9	0.00	0.00	7,557.0	-1,616.0	359.9	2.00	-2.00	0.00	180.00	E34 496 8511E-34 TC
7,797.5	0.22	236.29	7,601.6	-1,616.0	359.8	0.50	0.50	-277.20	236.29	
12,400.9	0.22	236.29	12,205.0	-1,626.0	344.9	0.00	0.00	0.00	0.00	E34 496 8511E-34 PE
12,550.9	0.22	236.29	12,355.0	-1,626.3	344.4	0.00	0.00	0.00	0.00	

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<b>Project:</b>	Story Gulch	<b>MD Reference:</b>	WELL @ 8324.0ft (Original Well Elev)
<b>Site:</b>	S33-T4S-R96W (E34 496)	<b>North Reference:</b>	True
<b>Well:</b>	8511E-34 E34 496	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<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)	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	2.00	167.44	300.0	-1.7	0.4	1.7	2.00	2.00	
400.0	4.00	167.44	399.8	-6.8	1.5	7.0	2.00	2.00	
500.0	6.00	167.44	499.5	-15.3	3.4	15.7	2.00	2.00	
600.0	8.00	167.44	598.7	-27.2	6.1	27.9	2.00	2.00	
700.0	10.00	167.44	697.5	-42.5	9.5	43.5	2.00	2.00	
800.0	12.00	167.44	795.6	-61.1	13.6	62.6	2.00	2.00	
898.5	13.97	167.44	891.6	-82.7	18.4	84.7	2.00	2.00	EOB; Inc=13.97°
900.0	13.97	167.44	893.1	-83.1	18.5	85.1	0.00	0.00	
1,000.0	13.97	167.44	990.1	-106.6	23.7	109.2	0.00	0.00	
1,100.0	13.97	167.44	1,087.1	-130.2	29.0	133.4	0.00	0.00	
1,185.4	13.97	167.44	1,170.0	-150.3	33.5	154.0	0.00	0.00	A_GROOVE_TVD
1,200.0	13.97	167.44	1,184.2	-153.8	34.2	157.5	0.00	0.00	
1,300.0	13.97	167.44	1,281.2	-177.3	39.5	181.7	0.00	0.00	
1,345.1	13.97	167.44	1,325.0	-187.9	41.9	192.5	0.00	0.00	B_GROOVE_TVD
1,363.7	13.97	167.44	1,343.0	-192.3	42.8	197.0	0.00	0.00	B_GROOVE_BASE_TVD
1,400.0	13.97	167.44	1,378.3	-200.9	44.7	205.8	0.00	0.00	
1,500.0	13.97	167.44	1,475.3	-224.4	50.0	229.9	0.00	0.00	
1,600.0	13.97	167.44	1,572.4	-248.0	55.2	254.1	0.00	0.00	
1,700.0	13.97	167.44	1,669.4	-271.6	60.5	278.2	0.00	0.00	
1,800.0	13.97	167.44	1,766.4	-295.1	65.7	302.4	0.00	0.00	
1,900.0	13.97	167.44	1,863.5	-318.7	71.0	326.5	0.00	0.00	
2,000.0	13.97	167.44	1,960.5	-342.3	76.2	350.6	0.00	0.00	
2,100.0	13.97	167.44	2,057.6	-365.8	81.5	374.8	0.00	0.00	
2,200.0	13.97	167.44	2,154.6	-389.4	86.7	398.9	0.00	0.00	
2,300.0	13.97	167.44	2,251.6	-413.0	92.0	423.1	0.00	0.00	
2,301.4	13.97	167.44	2,253.0	-413.3	92.0	423.4	0.00	0.00	GARDEN_GULCH_TVD
2,400.0	13.97	167.44	2,348.7	-436.5	97.2	447.2	0.00	0.00	
2,500.0	13.97	167.44	2,445.7	-460.1	102.5	471.3	0.00	0.00	
2,600.0	13.97	167.44	2,542.8	-483.7	107.7	495.5	0.00	0.00	
2,700.0	13.97	167.44	2,639.8	-507.2	113.0	519.6	0.00	0.00	
2,800.0	13.97	167.44	2,736.9	-530.8	118.2	543.8	0.00	0.00	
2,900.0	13.97	167.44	2,833.9	-554.3	123.5	567.9	0.00	0.00	
3,000.0	13.97	167.44	2,930.9	-577.9	128.7	592.0	0.00	0.00	
3,100.0	13.97	167.44	3,028.0	-601.5	134.0	616.2	0.00	0.00	
3,200.0	13.97	167.44	3,125.0	-625.0	139.2	640.3	0.00	0.00	
3,300.0	13.97	167.44	3,222.1	-648.6	144.5	664.5	0.00	0.00	
3,367.9	13.97	167.44	3,288.0	-664.6	148.0	680.9	0.00	0.00	WASATCH_FM_TVD
3,400.0	13.97	167.44	3,319.1	-672.2	149.7	688.6	0.00	0.00	
3,500.0	13.97	167.44	3,416.2	-695.7	154.9	712.7	0.00	0.00	
3,600.0	13.97	167.44	3,513.2	-719.3	160.2	736.9	0.00	0.00	
3,700.0	13.97	167.44	3,610.2	-742.9	165.4	761.0	0.00	0.00	
3,800.0	13.97	167.44	3,707.3	-766.4	170.7	785.2	0.00	0.00	
3,900.0	13.97	167.44	3,804.3	-790.0	175.9	809.3	0.00	0.00	
4,000.0	13.97	167.44	3,901.4	-813.6	181.2	833.4	0.00	0.00	
4,100.0	13.97	167.44	3,998.4	-837.1	186.4	857.6	0.00	0.00	
4,200.0	13.97	167.44	4,095.4	-860.7	191.7	881.7	0.00	0.00	
4,300.0	13.97	167.44	4,192.5	-884.2	196.9	905.9	0.00	0.00	
4,400.0	13.97	167.44	4,289.5	-907.8	202.2	930.0	0.00	0.00	
4,500.0	13.97	167.44	4,386.6	-931.4	207.4	954.1	0.00	0.00	

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<b>Project:</b>	Story Gulch	<b>MD Reference:</b>	WELL @ 8324.0ft (Original Well Elev)
<b>Site:</b>	S33-T4S-R96W (E34 496)	<b>North Reference:</b>	True
<b>Well:</b>	8511E-34 E34 496	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<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)	Comments / Formations
4,600.0	13.97	167.44	4,483.6	-954.9	212.7	978.3	0.00	0.00	
4,700.0	13.97	167.44	4,580.7	-978.5	217.9	1,002.4	0.00	0.00	
4,800.0	13.97	167.44	4,677.7	-1,002.1	223.2	1,026.6	0.00	0.00	
4,900.0	13.97	167.44	4,774.7	-1,025.6	228.4	1,050.7	0.00	0.00	
5,000.0	13.97	167.44	4,871.8	-1,049.2	233.7	1,074.8	0.00	0.00	
5,100.0	13.97	167.44	4,968.8	-1,072.8	238.9	1,099.0	0.00	0.00	
5,200.0	13.97	167.44	5,065.9	-1,096.3	244.2	1,123.1	0.00	0.00	
5,300.0	13.97	167.44	5,162.9	-1,119.9	249.4	1,147.3	0.00	0.00	
5,400.0	13.97	167.44	5,260.0	-1,143.5	254.7	1,171.4	0.00	0.00	
5,500.0	13.97	167.44	5,357.0	-1,167.0	259.9	1,195.5	0.00	0.00	
5,579.4	13.97	167.44	5,434.0	-1,185.7	264.1	1,214.7	0.00	0.00	WASATCH_G_TVD
5,600.0	13.97	167.44	5,454.0	-1,190.6	265.2	1,219.7	0.00	0.00	
5,700.0	13.97	167.44	5,551.1	-1,214.1	270.4	1,243.8	0.00	0.00	
5,800.0	13.97	167.44	5,648.1	-1,237.7	275.7	1,268.0	0.00	0.00	
5,900.0	13.97	167.44	5,745.2	-1,261.3	280.9	1,292.1	0.00	0.00	
6,000.0	13.97	167.44	5,842.2	-1,284.8	286.1	1,316.2	0.00	0.00	
6,100.0	13.97	167.44	5,939.2	-1,308.4	291.4	1,340.4	0.00	0.00	
6,200.0	13.97	167.44	6,036.3	-1,332.0	296.6	1,364.5	0.00	0.00	
6,300.0	13.97	167.44	6,133.3	-1,355.5	301.9	1,388.7	0.00	0.00	
6,400.0	13.97	167.44	6,230.4	-1,379.1	307.1	1,412.8	0.00	0.00	
6,500.0	13.97	167.44	6,327.4	-1,402.7	312.4	1,436.9	0.00	0.00	
6,600.0	13.97	167.44	6,424.5	-1,426.2	317.6	1,461.1	0.00	0.00	
6,700.0	13.97	167.44	6,521.5	-1,449.8	322.9	1,485.2	0.00	0.00	
6,800.0	13.97	167.44	6,618.5	-1,473.3	328.1	1,509.4	0.00	0.00	
6,900.0	13.97	167.44	6,715.6	-1,496.9	333.4	1,533.5	0.00	0.00	
7,000.0	13.97	167.44	6,812.6	-1,520.5	338.6	1,557.7	0.00	0.00	
7,054.4	13.97	167.44	6,865.4	-1,533.3	341.5	1,570.8	0.00	0.00	Start Drop -2.00
7,100.0	13.06	167.44	6,909.8	-1,543.7	343.8	1,581.4	2.00	-2.00	
7,200.0	11.06	167.44	7,007.5	-1,564.1	348.3	1,602.3	2.00	-2.00	
7,300.0	9.06	167.44	7,106.0	-1,581.1	352.1	1,619.8	2.00	-2.00	
7,400.0	7.06	167.44	7,205.0	-1,594.8	355.2	1,633.8	2.00	-2.00	
7,500.0	5.06	167.44	7,304.4	-1,605.1	357.5	1,644.4	2.00	-2.00	
7,600.0	3.06	167.44	7,404.2	-1,612.0	359.0	1,651.4	2.00	-2.00	
7,700.0	1.06	167.44	7,504.1	-1,615.5	359.8	1,655.0	2.00	-2.00	
7,752.9	0.00	0.00	7,557.0	-1,616.0	359.9	1,655.5	2.00	-2.00	EOD; Inc=0° - WILLIAMS_FORK_TVD - E34 496
7,797.5	0.22	236.29	7,601.6	-1,616.0	359.8	1,655.5	0.50	0.50	
7,800.0	0.22	236.29	7,604.1	-1,616.1	359.8	1,655.5	0.00	0.00	
7,900.0	0.22	236.29	7,704.1	-1,616.3	359.5	1,655.7	0.00	0.00	
8,000.0	0.22	236.29	7,804.1	-1,616.5	359.2	1,655.8	0.00	0.00	
8,100.0	0.22	236.29	7,904.1	-1,616.7	358.8	1,656.0	0.00	0.00	
8,200.0	0.22	236.29	8,004.1	-1,616.9	358.5	1,656.1	0.00	0.00	
8,300.0	0.22	236.29	8,104.1	-1,617.1	358.2	1,656.3	0.00	0.00	
8,400.0	0.22	236.29	8,204.1	-1,617.4	357.9	1,656.4	0.00	0.00	
8,500.0	0.22	236.29	8,304.1	-1,617.6	357.6	1,656.6	0.00	0.00	
8,600.0	0.22	236.29	8,404.1	-1,617.8	357.2	1,656.7	0.00	0.00	
8,700.0	0.22	236.29	8,504.1	-1,618.0	356.9	1,656.8	0.00	0.00	
8,800.0	0.22	236.29	8,604.1	-1,618.2	356.6	1,657.0	0.00	0.00	
8,900.0	0.22	236.29	8,704.1	-1,618.4	356.3	1,657.1	0.00	0.00	
9,000.0	0.22	236.29	8,804.1	-1,618.6	355.9	1,657.3	0.00	0.00	
9,100.0	0.22	236.29	8,904.1	-1,618.9	355.6	1,657.4	0.00	0.00	
9,200.0	0.22	236.29	9,004.1	-1,619.1	355.3	1,657.6	0.00	0.00	
9,300.0	0.22	236.29	9,104.1	-1,619.3	355.0	1,657.7	0.00	0.00	

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<b>Project:</b>	Story Gulch	<b>MD Reference:</b>	WELL @ 8324.0ft (Original Well Elev)
<b>Site:</b>	S33-T4S-R96W (E34 496)	<b>North Reference:</b>	True
<b>Well:</b>	8511E-34 E34 496	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<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)	Comments / Formations
9,400.0	0.22	236.29	9,204.1	-1,619.5	354.6	1,657.8	0.00	0.00	
9,500.0	0.22	236.29	9,304.1	-1,619.7	354.3	1,658.0	0.00	0.00	
9,600.0	0.22	236.29	9,404.1	-1,619.9	354.0	1,658.1	0.00	0.00	
9,700.0	0.22	236.29	9,504.1	-1,620.2	353.7	1,658.3	0.00	0.00	
9,800.0	0.22	236.29	9,604.1	-1,620.4	353.3	1,658.4	0.00	0.00	
9,900.0	0.22	236.29	9,704.1	-1,620.6	353.0	1,658.6	0.00	0.00	
10,000.0	0.22	236.29	9,804.1	-1,620.8	352.7	1,658.7	0.00	0.00	
10,100.0	0.22	236.29	9,904.1	-1,621.0	352.4	1,658.9	0.00	0.00	
10,200.0	0.22	236.29	10,004.1	-1,621.2	352.0	1,659.0	0.00	0.00	
10,300.0	0.22	236.29	10,104.1	-1,621.5	351.7	1,659.1	0.00	0.00	
10,400.0	0.22	236.29	10,204.1	-1,621.7	351.4	1,659.3	0.00	0.00	
10,500.0	0.22	236.29	10,304.1	-1,621.9	351.1	1,659.4	0.00	0.00	
10,600.0	0.22	236.29	10,404.1	-1,622.1	350.7	1,659.6	0.00	0.00	
10,700.0	0.22	236.29	10,504.1	-1,622.3	350.4	1,659.7	0.00	0.00	
10,800.0	0.22	236.29	10,604.1	-1,622.5	350.1	1,659.9	0.00	0.00	
10,844.9	0.22	236.29	10,649.0	-1,622.6	350.0	1,659.9	0.00	0.00	CAMEO_TVD
10,900.0	0.22	236.29	10,704.1	-1,622.8	349.8	1,660.0	0.00	0.00	
11,000.0	0.22	236.29	10,804.1	-1,623.0	349.5	1,660.2	0.00	0.00	
11,100.0	0.22	236.29	10,904.1	-1,623.2	349.1	1,660.3	0.00	0.00	
11,200.0	0.22	236.29	11,004.1	-1,623.4	348.8	1,660.4	0.00	0.00	
11,300.0	0.22	236.29	11,104.1	-1,623.6	348.5	1,660.6	0.00	0.00	
11,383.9	0.22	236.29	11,188.0	-1,623.8	348.2	1,660.7	0.00	0.00	ROLLINS_TVD
11,400.0	0.22	236.29	11,204.1	-1,623.8	348.2	1,660.7	0.00	0.00	
11,500.0	0.22	236.29	11,304.1	-1,624.0	347.8	1,660.9	0.00	0.00	
11,600.0	0.22	236.29	11,404.1	-1,624.3	347.5	1,661.0	0.00	0.00	
11,616.9	0.22	236.29	11,421.0	-1,624.3	347.5	1,661.0	0.00	0.00	COZZETTE_TVD
11,700.0	0.22	236.29	11,504.1	-1,624.5	347.2	1,661.2	0.00	0.00	
11,799.9	0.22	236.29	11,604.0	-1,624.7	346.9	1,661.3	0.00	0.00	CORCORAN_TVD
11,800.0	0.22	236.29	11,604.1	-1,624.7	346.9	1,661.3	0.00	0.00	
11,900.0	0.22	236.29	11,704.1	-1,624.9	346.5	1,661.5	0.00	0.00	
12,000.0	0.22	236.29	11,804.1	-1,625.1	346.2	1,661.6	0.00	0.00	
12,100.0	0.22	236.29	11,904.1	-1,625.3	345.9	1,661.7	0.00	0.00	
12,100.9	0.22	236.29	11,905.0	-1,625.3	345.9	1,661.7	0.00	0.00	UPPER_SEGO_TVD
12,200.0	0.22	236.29	12,004.1	-1,625.6	345.6	1,661.9	0.00	0.00	
12,250.9	0.22	236.29	12,055.0	-1,625.7	345.4	1,662.0	0.00	0.00	SEGO_BASE_TARGET_TVD
12,300.0	0.22	236.29	12,104.1	-1,625.8	345.2	1,662.0	0.00	0.00	
12,400.0	0.22	236.29	12,204.1	-1,626.0	344.9	1,662.2	0.00	0.00	
12,400.9	0.22	236.29	12,205.0	-1,626.0	344.9	1,662.2	0.00	0.00	Drillers TD @ 12,400' - E34 496 8511E-34 PBH
12,500.0	0.22	236.29	12,304.1	-1,626.2	344.6	1,662.3	0.00	0.00	
12,550.9	0.22	236.29	12,355.0	-1,626.3	344.4	1,662.4	0.00	0.00	Permit TD @ 12,550'

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well 8511E-34 E34 496
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 8324.0ft (Original Well Elev)
<b>Project:</b>	Story Gulch	<b>MD Reference:</b>	WELL @ 8324.0ft (Original Well Elev)
<b>Site:</b>	S33-T4S-R96W (E34 496)	<b>North Reference:</b>	True
<b>Well:</b>	8511E-34 E34 496	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	DD		
<b>Design:</b>	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 8511E-34 TGT - plan hits target center - Point	0.00	0.00	7,557.0	-1,616.0	359.9	1,674,546.48	2,251,346.94	39° 39' 19.209 N	108° 9' 33.578 W
E34 496 8511E-34 PBHI - plan hits target center - Rectangle (sides W30.0 H50.0 D0.0)	0.00	0.00	12,205.0	-1,626.0	344.9	1,674,536.92	2,251,331.67	39° 39' 19.110 N	108° 9' 33.770 W

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
1,185.4	1,170.0	A_GROOVE_TVD				
1,345.1	1,325.0	B_GROOVE_TVD				
1,363.7	1,343.0	B_GROOVE_BASE_TVD				
2,301.4	2,253.0	GARDEN_GULCH_TVD				
3,367.9	3,288.0	WASATCH_FM_TVD				
5,579.4	5,434.0	WASATCH_G_TVD				
7,752.9	7,557.0	WILLIAMS_FORK_TVD				
10,844.9	10,649.0	CAMEO_TVD				
11,383.9	11,188.0	ROLLINS_TVD				
11,616.9	11,421.0	COZZETTE_TVD				
11,799.9	11,604.0	CORCORAN_TVD				
12,100.9	11,905.0	UPPER_SEGO_TVD				
12,250.9	12,055.0	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'	
898.5	891.6	-82.7	18.4	EOB; Inc=13.97°	
7,054.4	6,865.4	-1,533.3	341.5	Start Drop -2.00	
7,752.9	7,557.0	-1,616.0	359.9	EOD; Inc=0°	
12,400.9	12,205.0	-1,616.0	359.8	Drillers TD @ 12,400'	
12,550.9	12,355.0	-1,626.0	344.9	Permit TD @ 12,550'	