



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well 8509D-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:	8509D-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	8509D-33 E34 496					
Well Position	+N/-S	0.0 ft	Northing:	1,676,173.56 ft	Latitude:	39° 39' 35.190 N
	+E/-W	0.0 ft	Easting:	2,251,026.73 ft	Longitude:	108° 9' 38.280 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	239.18

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	
941.0	22.23	239.20	922.6	-72.7	-121.9	3.00	3.00	0.00	239.20	
7,183.9	22.23	239.20	6,701.4	-1,282.1	-2,150.8	0.00	0.00	0.00	0.00	
7,925.0	0.00	0.00	7,424.0	-1,354.8	-2,272.7	3.00	-3.00	0.00	180.00	E34 496 8509D-33 TC
7,969.7	0.22	236.14	7,468.7	-1,354.8	-2,272.8	0.50	0.50	-277.10	236.14	
12,569.0	0.22	236.14	12,068.0	-1,364.8	-2,287.7	0.00	0.00	0.00	0.00	E34 496 8509D-33 PE
12,719.0	0.22	236.14	12,218.0	-1,365.2	-2,288.2	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:	8509D-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	239.20	300.0	-1.3	-2.2	2.6	3.00	3.00	
400.0	6.00	239.20	399.6	-5.4	-9.0	10.5	3.00	3.00	
500.0	9.00	239.20	498.8	-12.0	-20.2	23.5	3.00	3.00	
600.0	12.00	239.20	597.1	-21.4	-35.8	41.7	3.00	3.00	
700.0	15.00	239.20	694.3	-33.3	-55.9	65.1	3.00	3.00	
800.0	18.00	239.20	790.2	-47.9	-80.3	93.5	3.00	3.00	
900.0	21.00	239.20	884.4	-65.0	-109.0	126.9	3.00	3.00	
941.0	22.23	239.20	922.6	-72.7	-121.9	142.0	3.00	3.00	EOB; Inc=22.23°
1,000.0	22.23	239.20	977.2	-84.1	-141.1	164.3	0.00	0.00	
1,100.0	22.23	239.20	1,069.7	-103.5	-173.6	202.1	0.00	0.00	
1,194.3	22.23	239.20	1,157.0	-121.8	-204.2	237.8	0.00	0.00	A_GROOVE_TVD
1,200.0	22.23	239.20	1,162.3	-122.9	-206.1	239.9	0.00	0.00	
1,300.0	22.23	239.20	1,254.9	-142.2	-238.6	277.8	0.00	0.00	
1,365.0	22.23	239.20	1,315.0	-154.8	-259.7	302.4	0.00	0.00	B_GROOVE_TVD
1,400.0	22.23	239.20	1,347.4	-161.6	-271.1	315.6	0.00	0.00	
1,406.0	22.23	239.20	1,353.0	-162.8	-273.1	317.9	0.00	0.00	B_GROOVE_BASE_TVD
1,500.0	22.23	239.20	1,440.0	-181.0	-303.6	353.4	0.00	0.00	
1,600.0	22.23	239.20	1,532.6	-200.4	-336.1	391.3	0.00	0.00	
1,700.0	22.23	239.20	1,625.1	-219.7	-368.6	429.1	0.00	0.00	
1,800.0	22.23	239.20	1,717.7	-239.1	-401.1	466.9	0.00	0.00	
1,900.0	22.23	239.20	1,810.3	-258.5	-433.6	504.8	0.00	0.00	
2,000.0	22.23	239.20	1,902.8	-277.8	-466.1	542.6	0.00	0.00	
2,100.0	22.23	239.20	1,995.4	-297.2	-498.6	580.5	0.00	0.00	
2,200.0	22.23	239.20	2,088.0	-316.6	-531.1	618.3	0.00	0.00	
2,300.0	22.23	239.20	2,180.5	-336.0	-563.6	656.1	0.00	0.00	
2,344.8	22.23	239.20	2,222.0	-344.6	-578.1	673.1	0.00	0.00	GARDEN_GULCH_TVD
2,400.0	22.23	239.20	2,273.1	-355.3	-596.1	694.0	0.00	0.00	
2,500.0	22.23	239.20	2,365.7	-374.7	-628.6	731.8	0.00	0.00	
2,600.0	22.23	239.20	2,458.2	-394.1	-661.1	769.6	0.00	0.00	
2,700.0	22.23	239.20	2,550.8	-413.5	-693.6	807.5	0.00	0.00	
2,800.0	22.23	239.20	2,643.4	-432.8	-726.1	845.3	0.00	0.00	
2,900.0	22.23	239.20	2,735.9	-452.2	-758.6	883.1	0.00	0.00	
3,000.0	22.23	239.20	2,828.5	-471.6	-791.1	921.0	0.00	0.00	
3,100.0	22.23	239.20	2,921.1	-490.9	-823.6	958.8	0.00	0.00	
3,200.0	22.23	239.20	3,013.6	-510.3	-856.1	996.6	0.00	0.00	
3,300.0	22.23	239.20	3,106.2	-529.7	-888.6	1,034.5	0.00	0.00	
3,400.0	22.23	239.20	3,198.8	-549.1	-921.1	1,072.3	0.00	0.00	
3,455.4	22.23	239.20	3,250.0	-559.8	-939.0	1,093.2	0.00	0.00	WASATCH_FM_TVD
3,500.0	22.23	239.20	3,291.3	-568.4	-953.6	1,110.1	0.00	0.00	
3,600.0	22.23	239.20	3,383.9	-587.8	-986.1	1,148.0	0.00	0.00	
3,700.0	22.23	239.20	3,476.5	-607.2	-1,018.6	1,185.8	0.00	0.00	
3,800.0	22.23	239.20	3,569.0	-626.6	-1,051.0	1,223.6	0.00	0.00	
3,900.0	22.23	239.20	3,661.6	-645.9	-1,083.5	1,261.5	0.00	0.00	
4,000.0	22.23	239.20	3,754.2	-665.3	-1,116.0	1,299.3	0.00	0.00	
4,100.0	22.23	239.20	3,846.7	-684.7	-1,148.5	1,337.1	0.00	0.00	
4,200.0	22.23	239.20	3,939.3	-704.0	-1,181.0	1,375.0	0.00	0.00	
4,300.0	22.23	239.20	4,031.9	-723.4	-1,213.5	1,412.8	0.00	0.00	
4,400.0	22.23	239.20	4,124.4	-742.8	-1,246.0	1,450.6	0.00	0.00	
4,500.0	22.23	239.20	4,217.0	-762.2	-1,278.5	1,488.5	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:	8509D-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	22.23	239.20	4,309.6	-781.5	-1,311.0	1,526.3	0.00	0.00	
4,700.0	22.23	239.20	4,402.1	-800.9	-1,343.5	1,564.1	0.00	0.00	
4,800.0	22.23	239.20	4,494.7	-820.3	-1,376.0	1,602.0	0.00	0.00	
4,900.0	22.23	239.20	4,587.3	-839.6	-1,408.5	1,639.8	0.00	0.00	
5,000.0	22.23	239.20	4,679.8	-859.0	-1,441.0	1,677.6	0.00	0.00	
5,100.0	22.23	239.20	4,772.4	-878.4	-1,473.5	1,715.5	0.00	0.00	
5,200.0	22.23	239.20	4,865.0	-897.8	-1,506.0	1,753.3	0.00	0.00	
5,300.0	22.23	239.20	4,957.5	-917.1	-1,538.5	1,791.1	0.00	0.00	
5,400.0	22.23	239.20	5,050.1	-936.5	-1,571.0	1,829.0	0.00	0.00	
5,500.0	22.23	239.20	5,142.7	-955.9	-1,603.5	1,866.8	0.00	0.00	
5,600.0	22.23	239.20	5,235.2	-975.3	-1,636.0	1,904.6	0.00	0.00	
5,700.0	22.23	239.20	5,327.8	-994.6	-1,668.5	1,942.5	0.00	0.00	
5,709.9	22.23	239.20	5,337.0	-996.6	-1,671.7	1,946.2	0.00	0.00	WASATCH_G_TVD
5,800.0	22.23	239.20	5,420.4	-1,014.0	-1,701.0	1,980.3	0.00	0.00	
5,900.0	22.23	239.20	5,512.9	-1,033.4	-1,733.5	2,018.1	0.00	0.00	
6,000.0	22.23	239.20	5,605.5	-1,052.7	-1,766.0	2,056.0	0.00	0.00	
6,100.0	22.23	239.20	5,698.1	-1,072.1	-1,798.5	2,093.8	0.00	0.00	
6,200.0	22.23	239.20	5,790.6	-1,091.5	-1,831.0	2,131.6	0.00	0.00	
6,300.0	22.23	239.20	5,883.2	-1,110.9	-1,863.5	2,169.5	0.00	0.00	
6,400.0	22.23	239.20	5,975.8	-1,130.2	-1,896.0	2,207.3	0.00	0.00	
6,500.0	22.23	239.20	6,068.3	-1,149.6	-1,928.5	2,245.1	0.00	0.00	
6,600.0	22.23	239.20	6,160.9	-1,169.0	-1,961.0	2,283.0	0.00	0.00	
6,700.0	22.23	239.20	6,253.5	-1,188.4	-1,993.5	2,320.8	0.00	0.00	
6,800.0	22.23	239.20	6,346.0	-1,207.7	-2,026.0	2,358.6	0.00	0.00	
6,900.0	22.23	239.20	6,438.6	-1,227.1	-2,058.5	2,396.5	0.00	0.00	
7,000.0	22.23	239.20	6,531.2	-1,246.5	-2,091.0	2,434.3	0.00	0.00	
7,100.0	22.23	239.20	6,623.7	-1,265.8	-2,123.5	2,472.2	0.00	0.00	
7,183.9	22.23	239.20	6,701.4	-1,282.1	-2,150.8	2,503.9	0.00	0.00	Start Drop -3.00
7,200.0	21.75	239.20	6,716.3	-1,285.2	-2,155.9	2,509.9	3.00	-3.00	
7,300.0	18.75	239.20	6,810.1	-1,302.9	-2,185.6	2,544.5	3.00	-3.00	
7,400.0	15.75	239.20	6,905.6	-1,318.1	-2,211.1	2,574.2	3.00	-3.00	
7,500.0	12.75	239.20	7,002.5	-1,330.7	-2,232.3	2,598.8	3.00	-3.00	
7,600.0	9.75	239.20	7,100.6	-1,340.7	-2,249.0	2,618.3	3.00	-3.00	
7,700.0	6.75	239.20	7,199.6	-1,348.0	-2,261.3	2,632.6	3.00	-3.00	
7,800.0	3.75	239.20	7,299.1	-1,352.7	-2,269.2	2,641.8	3.00	-3.00	
7,900.0	0.75	239.20	7,399.0	-1,354.7	-2,272.6	2,645.7	3.00	-3.00	
7,925.0	0.00	0.00	7,424.0	-1,354.8	-2,272.7	2,645.9	3.00	-3.00	EOD; Inc=0° - WILLIAMS_FORK_TVD - E34 496
7,969.7	0.22	236.14	7,468.7	-1,354.8	-2,272.8	2,646.0	0.50	0.50	
8,000.0	0.22	236.14	7,499.0	-1,354.9	-2,272.9	2,646.1	0.00	0.00	
8,100.0	0.22	236.14	7,599.0	-1,355.1	-2,273.2	2,646.5	0.00	0.00	
8,200.0	0.22	236.14	7,699.0	-1,355.3	-2,273.5	2,646.9	0.00	0.00	
8,300.0	0.22	236.14	7,799.0	-1,355.6	-2,273.8	2,647.2	0.00	0.00	
8,400.0	0.22	236.14	7,899.0	-1,355.8	-2,274.2	2,647.6	0.00	0.00	
8,500.0	0.22	236.14	7,999.0	-1,356.0	-2,274.5	2,648.0	0.00	0.00	
8,600.0	0.22	236.14	8,099.0	-1,356.2	-2,274.8	2,648.4	0.00	0.00	
8,700.0	0.22	236.14	8,199.0	-1,356.4	-2,275.1	2,648.8	0.00	0.00	
8,800.0	0.22	236.14	8,299.0	-1,356.7	-2,275.5	2,649.2	0.00	0.00	
8,900.0	0.22	236.14	8,399.0	-1,356.9	-2,275.8	2,649.6	0.00	0.00	
9,000.0	0.22	236.14	8,499.0	-1,357.1	-2,276.1	2,650.0	0.00	0.00	
9,100.0	0.22	236.14	8,599.0	-1,357.3	-2,276.4	2,650.4	0.00	0.00	
9,200.0	0.22	236.14	8,699.0	-1,357.5	-2,276.8	2,650.8	0.00	0.00	
9,300.0	0.22	236.14	8,799.0	-1,357.7	-2,277.1	2,651.1	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:	8509D-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	236.14	8,899.0	-1,358.0	-2,277.4	2,651.5	0.00	0.00	
9,500.0	0.22	236.14	8,999.0	-1,358.2	-2,277.7	2,651.9	0.00	0.00	
9,600.0	0.22	236.14	9,099.0	-1,358.4	-2,278.1	2,652.3	0.00	0.00	
9,700.0	0.22	236.14	9,199.0	-1,358.6	-2,278.4	2,652.7	0.00	0.00	
9,800.0	0.22	236.14	9,299.0	-1,358.8	-2,278.7	2,653.1	0.00	0.00	
9,900.0	0.22	236.14	9,399.0	-1,359.0	-2,279.0	2,653.5	0.00	0.00	
10,000.0	0.22	236.14	9,499.0	-1,359.3	-2,279.3	2,653.9	0.00	0.00	
10,100.0	0.22	236.14	9,599.0	-1,359.5	-2,279.7	2,654.3	0.00	0.00	
10,200.0	0.22	236.14	9,699.0	-1,359.7	-2,280.0	2,654.6	0.00	0.00	
10,300.0	0.22	236.14	9,799.0	-1,359.9	-2,280.3	2,655.0	0.00	0.00	
10,400.0	0.22	236.14	9,899.0	-1,360.1	-2,280.6	2,655.4	0.00	0.00	
10,500.0	0.22	236.14	9,999.0	-1,360.3	-2,281.0	2,655.8	0.00	0.00	
10,600.0	0.22	236.14	10,099.0	-1,360.6	-2,281.3	2,656.2	0.00	0.00	
10,700.0	0.22	236.14	10,199.0	-1,360.8	-2,281.6	2,656.6	0.00	0.00	
10,800.0	0.22	236.14	10,299.0	-1,361.0	-2,281.9	2,657.0	0.00	0.00	
10,900.0	0.22	236.14	10,399.0	-1,361.2	-2,282.3	2,657.4	0.00	0.00	
11,000.0	0.22	236.14	10,499.0	-1,361.4	-2,282.6	2,657.8	0.00	0.00	
11,054.0	0.22	236.14	10,553.0	-1,361.6	-2,282.8	2,658.0	0.00	0.00	CAMEO_TVD
11,100.0	0.22	236.14	10,599.0	-1,361.7	-2,282.9	2,658.2	0.00	0.00	
11,200.0	0.22	236.14	10,699.0	-1,361.9	-2,283.2	2,658.5	0.00	0.00	
11,300.0	0.22	236.14	10,799.0	-1,362.1	-2,283.6	2,658.9	0.00	0.00	
11,400.0	0.22	236.14	10,899.0	-1,362.3	-2,283.9	2,659.3	0.00	0.00	
11,500.0	0.22	236.14	10,999.0	-1,362.5	-2,284.2	2,659.7	0.00	0.00	
11,518.0	0.22	236.14	11,017.0	-1,362.6	-2,284.3	2,659.8	0.00	0.00	ROLLINS_TVD
11,600.0	0.22	236.14	11,099.0	-1,362.7	-2,284.5	2,660.1	0.00	0.00	
11,700.0	0.22	236.14	11,199.0	-1,363.0	-2,284.9	2,660.5	0.00	0.00	
11,777.0	0.22	236.14	11,276.0	-1,363.1	-2,285.1	2,660.8	0.00	0.00	COZZETTE_TVD
11,800.0	0.22	236.14	11,299.0	-1,363.2	-2,285.2	2,660.9	0.00	0.00	
11,900.0	0.22	236.14	11,399.0	-1,363.4	-2,285.5	2,661.3	0.00	0.00	
11,964.0	0.22	236.14	11,463.0	-1,363.5	-2,285.7	2,661.5	0.00	0.00	CORCORAN_TVD
12,000.0	0.22	236.14	11,499.0	-1,363.6	-2,285.8	2,661.7	0.00	0.00	
12,100.0	0.22	236.14	11,599.0	-1,363.8	-2,286.2	2,662.0	0.00	0.00	
12,200.0	0.22	236.14	11,699.0	-1,364.0	-2,286.5	2,662.4	0.00	0.00	
12,269.0	0.22	236.14	11,768.0	-1,364.2	-2,286.7	2,662.7	0.00	0.00	UPPER_SEGO_TVD
12,300.0	0.22	236.14	11,799.0	-1,364.3	-2,286.8	2,662.8	0.00	0.00	
12,400.0	0.22	236.14	11,899.0	-1,364.5	-2,287.1	2,663.2	0.00	0.00	
12,419.0	0.22	236.14	11,918.0	-1,364.5	-2,287.2	2,663.3	0.00	0.00	SEGO_BASE_TARGET_TVD
12,500.0	0.22	236.14	11,999.0	-1,364.7	-2,287.4	2,663.6	0.00	0.00	
12,569.0	0.22	236.14	12,068.0	-1,364.8	-2,287.7	2,663.9	0.00	0.00	Drillers TD @ 12,569' MD - E34 496 8509D-33
12,600.0	0.22	236.14	12,099.0	-1,364.9	-2,287.8	2,664.0	0.00	0.00	
12,700.0	0.22	236.14	12,199.0	-1,365.1	-2,288.1	2,664.4	0.00	0.00	
12,719.0	0.22	236.14	12,218.0	-1,365.2	-2,288.2	2,664.5	0.00	0.00	Permit TD @ 12,719' MD

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well 8509D-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:	8509D-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 8509D-33 TGT	0.00	0.00	7,424.0	-1,354.8	-2,272.7	1,674,885.90	2,248,715.33	39° 39' 21.799 N	108° 10' 7.339 W
- plan hits target center									
- Point									
E34 496 8509D-33 PBH	0.00	0.00	12,068.0	-1,364.8	-2,287.7	1,674,876.29	2,248,700.07	39° 39' 21.700 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)			(°)	(°)	
1,194.3	1,157.0	A_GROOVE_TVD				
1,365.0	1,315.0	B_GROOVE_TVD				
1,406.0	1,353.0	B_GROOVE_BASE_TVD				
2,344.8	2,222.0	GARDEN_GULCH_TVD				
3,455.4	3,250.0	WASATCH_FM_TVD				
5,709.9	5,337.0	WASATCH_G_TVD				
7,925.0	7,424.0	WILLIAMS_FORK_TVD				
11,054.0	10,553.0	CAMEO_TVD				
11,518.0	11,017.0	ROLLINS_TVD				
11,777.0	11,276.0	COZZETTE_TVD				
11,964.0	11,463.0	CORCORAN_TVD				
12,269.0	11,768.0	UPPER_SEGO_TVD				
12,419.0	11,918.0	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'
941.0	922.6	-72.7	-121.9	EOB; Inc=22.23°
7,183.9	6,701.4	-1,282.1	-2,150.8	Start Drop -3.00
7,925.0	7,424.0	-1,354.8	-2,272.7	EOD; Inc=0°
12,569.0	12,068.0	-1,354.8	-2,272.8	Drillers TD @ 12,569' MD
12,719.0	12,218.0	-1,364.8	-2,287.7	Permit TD @ 12,719' MD