



## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Davis 1C-9H
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KB=13' @ 4915.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	KB=13' @ 4915.0ft (Original Well Elev)
<b>Site:</b>	SWNW S9-T2N-R66W (Davis)	<b>North Reference:</b>	True
<b>Well:</b>	Davis 1C-9H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #1		

<b>Project</b>	DJ Wattenberg		
<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 Northern Zone		

Site						SWNW S9-T2N-R66W (Davis)											
Site Position:			Northing:			1,299,903.26 ft			Latitude:			40.154440					
From:			Lat/Long			Easting:			3,198,510.39 ft			Longitude:			-104.789830		
Position Uncertainty:			0.0 ft			Slot Radius:			13.200 in			Grid Convergence:			0.46 °		

Well	Davis 1C-9H					
Well Position	+N/-S	0.0 ft	Northing:	1,299,564.34 ft	Latitude:	40.153440
	+E/-W	0.0 ft	Easting:	3,201,655.05 ft	Longitude:	-104.778590
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,902.0 ft

<b>Wellbore</b>	Hz				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	3/1/2012	8.75	66.82	52,925

<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	353.06

<b>Plan Sections</b>										
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	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,885.3	11.56	249.98	2,882.7	-13.3	-36.4	3.00	3.00	0.00	249.98	
6,730.2	11.56	249.98	6,649.6	-277.1	-760.3	0.00	0.00	0.00	0.00	
7,588.6	90.50	0.00	7,196.0	247.0	-866.3	11.00	9.20	12.82	109.56	
14,463.6	90.50	0.00	7,136.0	7,121.7	-866.3	0.00	0.00	0.00	0.00	Davis 1C-9H PBHL

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<b>Site:</b>	SWNW S9-T2N-R66W (Davis)	<b>North Reference:</b>	True
<b>Well:</b>	Davis 1C-9H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<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	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	KOP @ 2500'
2,600.0	3.00	249.98	2,600.0	-0.9	-2.5	-0.6	3.00	3.00	
2,700.0	6.00	249.98	2,699.6	-3.6	-9.8	-2.4	3.00	3.00	
2,800.0	9.00	249.98	2,798.8	-8.1	-22.1	-5.3	3.00	3.00	
2,885.3	11.56	249.98	2,882.7	-13.3	-36.4	-8.8	3.00	3.00	EOB; Inc=11.56 deg
2,900.0	11.56	249.98	2,897.1	-14.3	-39.2	-9.4	0.00	0.00	
3,000.0	11.56	249.98	2,995.1	-21.1	-58.0	-14.0	0.00	0.00	
3,100.0	11.56	249.98	3,093.0	-28.0	-76.8	-18.5	0.00	0.00	
3,200.0	11.56	249.98	3,191.0	-34.9	-95.6	-23.1	0.00	0.00	
3,300.0	11.56	249.98	3,289.0	-41.7	-114.5	-27.6	0.00	0.00	
3,400.0	11.56	249.98	3,387.0	-48.6	-133.3	-32.1	0.00	0.00	
3,500.0	11.56	249.98	3,484.9	-55.4	-152.1	-36.7	0.00	0.00	
3,600.0	11.56	249.98	3,582.9	-62.3	-171.0	-41.2	0.00	0.00	
3,700.0	11.56	249.98	3,680.9	-69.2	-189.8	-45.7	0.00	0.00	
3,800.0	11.56	249.98	3,778.8	-76.0	-208.6	-50.3	0.00	0.00	
3,900.0	11.56	249.98	3,876.8	-82.9	-227.4	-54.8	0.00	0.00	
4,000.0	11.56	249.98	3,974.8	-89.8	-246.3	-59.4	0.00	0.00	
4,100.0	11.56	249.98	4,072.8	-96.6	-265.1	-63.9	0.00	0.00	
4,200.0	11.56	249.98	4,170.7	-103.5	-283.9	-68.4	0.00	0.00	
4,300.0	11.56	249.98	4,268.7	-110.3	-302.8	-73.0	0.00	0.00	
4,400.0	11.56	249.98	4,366.7	-117.2	-321.6	-77.5	0.00	0.00	
4,427.9	11.56	249.98	4,394.0	-119.1	-326.8	-78.8	0.00	0.00	Sussex
4,500.0	11.56	249.98	4,464.6	-124.1	-340.4	-82.1	0.00	0.00	
4,600.0	11.56	249.98	4,562.6	-130.9	-359.2	-86.6	0.00	0.00	
4,700.0	11.56	249.98	4,660.6	-137.8	-378.1	-91.1	0.00	0.00	
4,710.6	11.56	249.98	4,671.0	-138.5	-380.1	-91.6	0.00	0.00	Sussex Marker
4,800.0	11.56	249.98	4,758.6	-144.7	-396.9	-95.7	0.00	0.00	

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<b>Site:</b>	SWNW S9-T2N-R66W (Davis)	<b>North Reference:</b>	True
<b>Well:</b>	Davis 1C-9H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<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
4,900.0	11.56	249.98	4,856.5	-151.5	-415.7	-100.2	0.00	0.00	
5,000.0	11.56	249.98	4,954.5	-158.4	-434.6	-104.7	0.00	0.00	
5,063.8	11.56	249.98	5,017.0	-162.8	-446.6	-107.6	0.00	0.00	Shannon
5,100.0	11.56	249.98	5,052.5	-165.2	-453.4	-109.3	0.00	0.00	
5,200.0	11.56	249.98	5,150.4	-172.1	-472.2	-113.8	0.00	0.00	
5,300.0	11.56	249.98	5,248.4	-179.0	-491.0	-118.4	0.00	0.00	
5,400.0	11.56	249.98	5,346.4	-185.8	-509.9	-122.9	0.00	0.00	
5,500.0	11.56	249.98	5,444.4	-192.7	-528.7	-127.4	0.00	0.00	
5,600.0	11.56	249.98	5,542.3	-199.5	-547.5	-132.0	0.00	0.00	
5,700.0	11.56	249.98	5,640.3	-206.4	-566.4	-136.5	0.00	0.00	
5,800.0	11.56	249.98	5,738.3	-213.3	-585.2	-141.1	0.00	0.00	
5,900.0	11.56	249.98	5,836.2	-220.1	-604.0	-145.6	0.00	0.00	
6,000.0	11.56	249.98	5,934.2	-227.0	-622.8	-150.1	0.00	0.00	
6,100.0	11.56	249.98	6,032.2	-233.9	-641.7	-154.7	0.00	0.00	
6,200.0	11.56	249.98	6,130.2	-240.7	-660.5	-159.2	0.00	0.00	
6,271.3	11.56	249.98	6,200.0	-245.6	-673.9	-162.4	0.00	0.00	Teepee Buttes
6,300.0	11.56	249.98	6,228.1	-247.6	-679.3	-163.7	0.00	0.00	
6,400.0	11.56	249.98	6,326.1	-254.4	-698.2	-168.3	0.00	0.00	
6,500.0	11.56	249.98	6,424.1	-261.3	-717.0	-172.8	0.00	0.00	
6,600.0	11.56	249.98	6,522.0	-268.2	-735.8	-177.4	0.00	0.00	
6,700.0	11.56	249.98	6,620.0	-275.0	-754.6	-181.9	0.00	0.00	
6,730.2	11.56	249.98	6,649.6	-277.1	-760.3	-183.3	0.00	0.00	Start 11 deg build @ 6730' MD
6,800.0	11.51	289.11	6,718.1	-277.2	-773.5	-181.8	11.00	-0.07	
6,900.0	18.27	324.28	6,814.9	-261.2	-792.1	-163.6	11.00	6.76	
7,000.0	27.82	338.53	6,906.8	-226.6	-809.9	-127.2	11.00	9.55	
7,100.0	38.12	345.72	6,990.7	-174.8	-826.1	-73.8	11.00	10.30	
7,183.3	46.92	349.54	7,052.0	-119.9	-838.0	-17.8	11.00	10.56	Sharon Springs
7,200.0	48.69	350.18	7,063.2	-107.7	-840.1	-5.5	11.00	10.64	
7,300.0	59.39	353.37	7,121.9	-27.7	-851.6	75.3	11.00	10.69	
7,306.2	60.05	353.54	7,125.0	-22.4	-852.2	80.7	11.00	10.73	Niobrara
7,400.0	70.14	355.92	7,164.4	62.2	-859.9	165.6	11.00	10.76	
7,410.8	71.30	356.17	7,168.0	72.4	-860.6	175.8	11.00	10.78	B Chalk
7,500.0	80.93	358.14	7,189.4	158.8	-864.9	262.0	11.00	10.79	
7,588.6	90.50	0.00	7,196.0	247.0	-866.3	349.8	11.00	10.80	Landing Pt @ 7588' MD; 90.5 deg
7,600.0	90.50	0.00	7,195.9	258.4	-866.3	361.1	0.00	0.00	
7,700.0	90.50	0.00	7,195.0	358.4	-866.3	460.4	0.00	0.00	
7,800.0	90.50	0.00	7,194.2	458.4	-866.3	559.6	0.00	0.00	
7,900.0	90.50	0.00	7,193.3	558.4	-866.3	658.9	0.00	0.00	
8,000.0	90.50	0.00	7,192.4	658.4	-866.3	758.2	0.00	0.00	
8,100.0	90.50	0.00	7,191.5	758.4	-866.3	857.4	0.00	0.00	
8,200.0	90.50	0.00	7,190.7	858.4	-866.3	956.7	0.00	0.00	
8,300.0	90.50	0.00	7,189.8	958.4	-866.3	1,056.0	0.00	0.00	
8,400.0	90.50	0.00	7,188.9	1,058.4	-866.3	1,155.2	0.00	0.00	
8,500.0	90.50	0.00	7,188.0	1,158.4	-866.3	1,254.5	0.00	0.00	
8,600.0	90.50	0.00	7,187.2	1,258.4	-866.3	1,353.8	0.00	0.00	
8,700.0	90.50	0.00	7,186.3	1,358.4	-866.3	1,453.0	0.00	0.00	
8,800.0	90.50	0.00	7,185.4	1,458.4	-866.3	1,552.3	0.00	0.00	
8,900.0	90.50	0.00	7,184.6	1,558.4	-866.3	1,651.6	0.00	0.00	
9,000.0	90.50	0.00	7,183.7	1,658.4	-866.3	1,750.8	0.00	0.00	
9,100.0	90.50	0.00	7,182.8	1,758.3	-866.3	1,850.1	0.00	0.00	
9,200.0	90.50	0.00	7,181.9	1,858.3	-866.3	1,949.3	0.00	0.00	
9,300.0	90.50	0.00	7,181.1	1,958.3	-866.3	2,048.6	0.00	0.00	

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<b>Well:</b>	Davis 1C-9H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<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	90.50	0.00	7,180.2	2,058.3	-866.3	2,147.9	0.00	0.00	
9,500.0	90.50	0.00	7,179.3	2,158.3	-866.3	2,247.1	0.00	0.00	
9,600.0	90.50	0.00	7,178.4	2,258.3	-866.3	2,346.4	0.00	0.00	
9,700.0	90.50	0.00	7,177.6	2,358.3	-866.3	2,445.7	0.00	0.00	
9,800.0	90.50	0.00	7,176.7	2,458.3	-866.3	2,544.9	0.00	0.00	
9,900.0	90.50	0.00	7,175.8	2,558.3	-866.3	2,644.2	0.00	0.00	
10,000.0	90.50	0.00	7,175.0	2,658.3	-866.3	2,743.5	0.00	0.00	
10,100.0	90.50	0.00	7,174.1	2,758.3	-866.3	2,842.7	0.00	0.00	
10,200.0	90.50	0.00	7,173.2	2,858.3	-866.3	2,942.0	0.00	0.00	
10,300.0	90.50	0.00	7,172.3	2,958.3	-866.3	3,041.3	0.00	0.00	
10,400.0	90.50	0.00	7,171.5	3,058.3	-866.3	3,140.5	0.00	0.00	
10,500.0	90.50	0.00	7,170.6	3,158.3	-866.3	3,239.8	0.00	0.00	
10,600.0	90.50	0.00	7,169.7	3,258.3	-866.3	3,339.1	0.00	0.00	
10,700.0	90.50	0.00	7,168.8	3,358.3	-866.3	3,438.3	0.00	0.00	
10,800.0	90.50	0.00	7,168.0	3,458.3	-866.3	3,537.6	0.00	0.00	
10,900.0	90.50	0.00	7,167.1	3,558.3	-866.3	3,636.8	0.00	0.00	
11,000.0	90.50	0.00	7,166.2	3,658.3	-866.3	3,736.1	0.00	0.00	
11,100.0	90.50	0.00	7,165.4	3,758.3	-866.3	3,835.4	0.00	0.00	
11,200.0	90.50	0.00	7,164.5	3,858.3	-866.3	3,934.6	0.00	0.00	
11,300.0	90.50	0.00	7,163.6	3,958.3	-866.3	4,033.9	0.00	0.00	
11,400.0	90.50	0.00	7,162.7	4,058.3	-866.3	4,133.2	0.00	0.00	
11,500.0	90.50	0.00	7,161.9	4,158.3	-866.3	4,232.4	0.00	0.00	
11,600.0	90.50	0.00	7,161.0	4,258.3	-866.3	4,331.7	0.00	0.00	
11,700.0	90.50	0.00	7,160.1	4,358.2	-866.3	4,431.0	0.00	0.00	
11,800.0	90.50	0.00	7,159.2	4,458.2	-866.3	4,530.2	0.00	0.00	
11,900.0	90.50	0.00	7,158.4	4,558.2	-866.3	4,629.5	0.00	0.00	
12,000.0	90.50	0.00	7,157.5	4,658.2	-866.3	4,728.8	0.00	0.00	
12,100.0	90.50	0.00	7,156.6	4,758.2	-866.3	4,828.0	0.00	0.00	
12,200.0	90.50	0.00	7,155.8	4,858.2	-866.3	4,927.3	0.00	0.00	
12,300.0	90.50	0.00	7,154.9	4,958.2	-866.3	5,026.5	0.00	0.00	
12,400.0	90.50	0.00	7,154.0	5,058.2	-866.3	5,125.8	0.00	0.00	
12,500.0	90.50	0.00	7,153.1	5,158.2	-866.3	5,225.1	0.00	0.00	
12,600.0	90.50	0.00	7,152.3	5,258.2	-866.3	5,324.3	0.00	0.00	
12,700.0	90.50	0.00	7,151.4	5,358.2	-866.3	5,423.6	0.00	0.00	
12,800.0	90.50	0.00	7,150.5	5,458.2	-866.3	5,522.9	0.00	0.00	
12,900.0	90.50	0.00	7,149.6	5,558.2	-866.3	5,622.1	0.00	0.00	
13,000.0	90.50	0.00	7,148.8	5,658.2	-866.3	5,721.4	0.00	0.00	
13,100.0	90.50	0.00	7,147.9	5,758.2	-866.3	5,820.7	0.00	0.00	
13,200.0	90.50	0.00	7,147.0	5,858.2	-866.3	5,919.9	0.00	0.00	
13,300.0	90.50	0.00	7,146.2	5,958.2	-866.3	6,019.2	0.00	0.00	
13,400.0	90.50	0.00	7,145.3	6,058.2	-866.3	6,118.5	0.00	0.00	
13,500.0	90.50	0.00	7,144.4	6,158.2	-866.3	6,217.7	0.00	0.00	
13,600.0	90.50	0.00	7,143.5	6,258.2	-866.3	6,317.0	0.00	0.00	
13,700.0	90.50	0.00	7,142.7	6,358.2	-866.3	6,416.3	0.00	0.00	
13,800.0	90.50	0.00	7,141.8	6,458.2	-866.3	6,515.5	0.00	0.00	
13,900.0	90.50	0.00	7,140.9	6,558.2	-866.3	6,614.8	0.00	0.00	
14,000.0	90.50	0.00	7,140.0	6,658.2	-866.3	6,714.0	0.00	0.00	
14,100.0	90.50	0.00	7,139.2	6,758.2	-866.3	6,813.3	0.00	0.00	
14,200.0	90.50	0.00	7,138.3	6,858.2	-866.3	6,912.6	0.00	0.00	
14,300.0	90.50	0.00	7,137.4	6,958.2	-866.3	7,011.8	0.00	0.00	
14,400.0	90.50	0.00	7,136.6	7,058.1	-866.3	7,111.1	0.00	0.00	
14,463.6	90.50	0.00	7,136.0	7,121.7	-866.3	7,174.2	0.00	0.00	TD at 14463.6 - Davis 1C-9H PBHL

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Davis 1C-9H
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KB=13' @ 4915.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	KB=13' @ 4915.0ft (Original Well Elev)
<b>Site:</b>	SWNW S9-T2N-R66W (Davis)	<b>North Reference:</b>	True
<b>Well:</b>	Davis 1C-9H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<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

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Davis 1C-9H PBHL	0.00	0.00	7,136.0	7,121.7	-866.3	1,306,678.79	3,200,730.87	40.172990	-104.781690
- plan hits target center									
- Point									

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,427.9	4,394.0	Sussex				
4,710.6	4,671.0	Sussex Marker				
5,063.8	5,017.0	Shannon				
6,271.3	6,200.0	Teepee Buttes				
7,183.3	7,052.0	Sharon Springs				
7,306.2	7,125.0	Niobrara				
7,410.8	7,168.0	B Chalk				

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
2,500.0	2,500.0	0.0	0.0	KOP @ 2500'
2,885.3	2,882.7	-13.3	-36.4	EOB; Inc=11.56 deg
6,730.2	6,649.6	-277.1	-760.3	Start 11 deg build @ 6730' MD
7,588.6	7,196.0	247.0	-866.3	Landing Pt @ 7588' MD; 90.5 deg
14,463.6	7,136.0	7,121.7	-866.3	TD at 14463.6

# **EnCana Oil & Gas (USA) Inc**

**DJ Wattenberg**

**SWNW S9-T2N-R66W (Davis)**

**Davis 1C-9H**

**Hz**

**Plan #1**

## **Anticollision Report**

**09 March, 2012**

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Davis 1C-9H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB=13' @ 4915.0ft (Original Well Elev)
<b>Reference Site:</b>	SWNW S9-T2N-R66W (Davis)	<b>MD Reference:</b>	KB=13' @ 4915.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Davis 1C-9H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #1		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD Interval 100.0ft	<b>Error Model:</b>	Systematic Ellipse
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 300.0ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma		

<b>Survey Tool Program</b>		<b>Date</b>	3/5/2012		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
0.0	14,463.6	Plan #1 (Hz)	MWD	Geolink MWD	



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Davis 1C-9H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB=13' @ 4915.0ft (Original Well Elev)
<b>Reference Site:</b>	SWNW S9-T2N-R66W (Davis)	<b>MD Reference:</b>	KB=13' @ 4915.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Davis 1C-9H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

## Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
<b>Offset Well - Wellbore - Design</b>						
SWNW S9-T2N-R66W (Davis)						
Boock 1-4 (Existing) - Existing - Existing						Out of range
Cannon 9-3 (Existing) - Existing - Existing						Out of range
Cannon 9-4 (Existing) - Existing - Existing						Out of range
Davis 0-4-9 (Existing) - Existing - Existing						Out of range
Davis 12-9 (Existing) - Existing - Existing						Out of range
Davis 1A-9H - Hz - Plan #1	2,500.0	2,500.0	57.7	49.1	6.651	CC, ES, SF
Davis 1B-9H - Hz - Plan #1	2,500.0	2,500.0	38.2	29.5	4.398	CC, ES, SF
Davis 22-9 (Existing) - Existing - Existing						Out of range
Davis 2-4-9 (Existing) - Existing - Existing						Out of range
Davis 2A-9H - HZ - Plan #2						Out of range
Davis 2B-9H - HZ - Plan #1						Out of range
Davis 31-9 (Existing) - Existing - Existing						Out of range
Davis 32-9 (Existing) - Existing - Existing						Out of range
Davis 41-9 (Existing) - Wellbore #1 - Wellbore #1						Out of range
Davis 42-9 (Existing) - Existing - Existing						Out of range
Davis 4-2-9 (Existing) - Existing - Existing	8,391.4	7,626.0	252.8	210.3	5.944	CC, ES
Davis 4-2-9 (Existing) - Existing - Existing	8,400.0	7,626.0	252.9	210.3	5.930	SF
Davis 6-4-9 (Existing) - Existing - Existing						Out of range
Davis 8-0-9 (Existing) - Existing - Existing						Out of range
Davis 8-2-9 (Existing) - Existing - Existing						Out of range
Davis Gas Unit #1 (Existing) - Wellbore #1 - Wellbore #1						Out of range
Davis Gas Unit #2 (Existing) - Existing - Existing						Out of range
lone 1 (Existing) - Existing - Existing						Out of range
lone 10 (Existing) - Existing - Existing						Out of range
lone 13-4 (Existing) - Existing - Existing						Out of range
lone 14-4 (Existing) - Existing - Existing						Out of range
lone 23-4 (Existing) - Existing - Existing						Out of range
lone 24-4 (Existing) - Existing - Existing						Out of range
lone 2-8-4 (Existing) - Existing - Existing						Out of range
lone 33-4 (Existing) - Existing - Existing						Out of range
lone 34-4 (Existing) - Existing - Existing						Out of range
lone 43-4 (Existing) - Existing - Existing						Out of range
lone 44-4 (Existing) - Existing - Existing						Out of range
lone 4-6-4 (Existing) - Existing - Existing	10,988.9	7,229.3	140.1	60.7	1.764	CC, ES, SF
lone 4-8-4 (Existing) - Existing - Existing						Out of range
lone 6-0-8 (Existing) - Existing - Existing						Out of range
lone 6-4-4 (Existing) - Existing - Existing						Out of range
lone 6-8-4 (Existing) - Existing - Existing						Out of range
lone 8-0-8 (Existing) - Existing - Existing						Out of range
lone 8-2-8 (Existing) - Existing - Existing						Out of range
lone 8-6-4 (Existing) - Existing - Existing						Out of range
Kugel 1 (Existing) - Existing - Existing						Out of range
Kugel W4-1 (Existing) - Existing - Existing						Out of range
Kugel W4-3 (Existing) - Existing - Existing						Out of range
Kugel W4-4 (Existing) - Existing - Existing						Out of range
Kugel W4-6 (Existing) - Existing - Existing						Out of range
Kugel W4-7 (Existing) - Existing - Existing						Out of range
Kugel W4-8X - Existing - Existing						Out of range

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Davis 1C-9H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB=13' @ 4915.0ft (Original Well Elev)
<b>Reference Site:</b>	SWNW S9-T2N-R66W (Davis)	<b>MD Reference:</b>	KB=13' @ 4915.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Davis 1C-9H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Davis 1A-9H - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	55.39	32.8	47.5	57.7					
100.0	100.0	100.0	100.0	0.2	0.2	55.39	32.8	47.5	57.7	57.4	0.30	190.117		
200.0	200.0	200.0	200.0	0.3	0.3	55.39	32.8	47.5	57.7	57.1	0.65	88.450		
300.0	300.0	300.0	300.0	0.5	0.5	55.39	32.8	47.5	57.7	56.7	1.00	57.631		
400.0	400.0	400.0	400.0	0.7	0.7	55.39	32.8	47.5	57.7	56.4	1.35	42.740		
500.0	500.0	500.0	500.0	0.8	0.8	55.39	32.8	47.5	57.7	56.0	1.70	33.964		
600.0	600.0	600.0	600.0	1.0	1.0	55.39	32.8	47.5	57.7	55.7	2.05	28.178		
700.0	700.0	700.0	700.0	1.2	1.2	55.39	32.8	47.5	57.7	55.3	2.40	24.076		
800.0	800.0	800.0	800.0	1.4	1.4	55.39	32.8	47.5	57.7	55.0	2.75	21.017		
900.0	900.0	900.0	900.0	1.5	1.5	55.39	32.8	47.5	57.7	54.6	3.10	18.647		
1,000.0	1,000.0	1,000.0	1,000.0	1.7	1.7	55.39	32.8	47.5	57.7	54.3	3.45	16.758		
1,100.0	1,100.0	1,100.0	1,100.0	1.9	1.9	55.39	32.8	47.5	57.7	53.9	3.79	15.216		
1,200.0	1,200.0	1,200.0	1,200.0	2.1	2.1	55.39	32.8	47.5	57.7	53.6	4.14	13.934		
1,300.0	1,300.0	1,300.0	1,300.0	2.2	2.2	55.39	32.8	47.5	57.7	53.2	4.49	12.852		
1,400.0	1,400.0	1,400.0	1,400.0	2.4	2.4	55.39	32.8	47.5	57.7	52.9	4.84	11.925		
1,500.0	1,500.0	1,500.0	1,500.0	2.6	2.6	55.39	32.8	47.5	57.7	52.5	5.19	11.123		
1,600.0	1,600.0	1,600.0	1,600.0	2.8	2.8	55.39	32.8	47.5	57.7	52.2	5.54	10.422		
1,700.0	1,700.0	1,700.0	1,700.0	2.9	2.9	55.39	32.8	47.5	57.7	51.8	5.89	9.805		
1,800.0	1,800.0	1,800.0	1,800.0	3.1	3.1	55.39	32.8	47.5	57.7	51.5	6.24	9.256		
1,900.0	1,900.0	1,900.0	1,900.0	3.3	3.3	55.39	32.8	47.5	57.7	51.1	6.59	8.765		
2,000.0	2,000.0	2,000.0	2,000.0	3.5	3.5	55.39	32.8	47.5	57.7	50.8	6.94	8.324		
2,100.0	2,100.0	2,100.0	2,100.0	3.6	3.6	55.39	32.8	47.5	57.7	50.5	7.29	7.925		
2,200.0	2,200.0	2,200.0	2,200.0	3.8	3.8	55.39	32.8	47.5	57.7	50.1	7.63	7.563		
2,300.0	2,300.0	2,300.0	2,300.0	4.0	4.0	55.39	32.8	47.5	57.7	49.8	7.98	7.232		
2,400.0	2,400.0	2,400.0	2,400.0	4.2	4.2	55.39	32.8	47.5	57.7	49.4	8.33	6.929		
2,500.0	2,500.0	2,500.0	2,500.0	4.3	4.3	55.39	32.8	47.5	57.7	49.1	8.68	6.651	CC, ES, SF	
2,600.0	2,600.0	2,600.0	2,600.0	4.5	4.5	166.02	32.8	47.5	60.3	51.3	9.02	6.680		
2,700.0	2,699.6	2,699.6	2,699.6	4.7	4.7	167.57	32.8	47.5	67.9	58.6	9.35	7.266		
2,800.0	2,798.8	2,798.8	2,798.8	4.9	4.9	169.50	32.8	47.5	80.7	71.1	9.65	8.361		
2,900.0	2,897.1	2,897.1	2,897.1	5.1	5.0	171.35	32.8	47.5	98.6	88.7	9.95	9.914		
3,000.0	2,995.1	2,995.1	2,995.1	5.4	5.2	172.81	32.8	47.5	118.5	108.2	10.29	11.510		
3,100.0	3,093.0	3,090.0	3,089.9	5.6	5.4	174.61	31.5	49.2	139.4	128.8	10.63	13.112		
3,200.0	3,191.0	3,183.3	3,183.0	5.9	5.5	177.38	27.6	54.6	162.9	151.9	10.97	14.845		
3,300.0	3,289.0	3,274.7	3,273.8	6.2	5.7	-179.39	21.0	63.4	189.2	177.9	11.31	16.726		
3,400.0	3,387.0	3,370.1	3,368.2	6.5	5.9	-176.34	12.9	74.3	217.3	205.7	11.67	18.627		
3,500.0	3,484.9	3,465.5	3,462.6	6.8	6.1	-173.99	4.8	85.2	245.9	233.9	12.03	20.442		
3,600.0	3,582.9	3,560.9	3,557.1	7.1	6.3	-172.13	-3.3	96.1	274.8	262.4	12.40	22.166		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Davis 1C-9H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB=13' @ 4915.0ft (Original Well Elev)
<b>Reference Site:</b>	SWNW S9-T2N-R66W (Davis)	<b>MD Reference:</b>	KB=13' @ 4915.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Davis 1C-9H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Davis 1B-9H - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	30.83	32.8	19.6	38.2					
100.0	100.0	100.0	100.0	0.2	0.2	30.83	32.8	19.6	38.2	37.9	0.30	125.722		
200.0	200.0	200.0	200.0	0.3	0.3	30.83	32.8	19.6	38.2	37.5	0.65	58.491		
300.0	300.0	300.0	300.0	0.5	0.5	30.83	32.8	19.6	38.2	37.2	1.00	38.111		
400.0	400.0	400.0	400.0	0.7	0.7	30.83	32.8	19.6	38.2	36.8	1.35	28.263		
500.0	500.0	500.0	500.0	0.8	0.8	30.83	32.8	19.6	38.2	36.5	1.70	22.460		
600.0	600.0	600.0	600.0	1.0	1.0	30.83	32.8	19.6	38.2	36.1	2.05	18.633		
700.0	700.0	700.0	700.0	1.2	1.2	30.83	32.8	19.6	38.2	35.8	2.40	15.921		
800.0	800.0	800.0	800.0	1.4	1.4	30.83	32.8	19.6	38.2	35.4	2.75	13.898		
900.0	900.0	900.0	900.0	1.5	1.5	30.83	32.8	19.6	38.2	35.1	3.10	12.331		
1,000.0	1,000.0	1,000.0	1,000.0	1.7	1.7	30.83	32.8	19.6	38.2	34.7	3.45	11.082		
1,100.0	1,100.0	1,100.0	1,100.0	1.9	1.9	30.83	32.8	19.6	38.2	34.4	3.79	10.062		
1,200.0	1,200.0	1,200.0	1,200.0	2.1	2.1	30.83	32.8	19.6	38.2	34.0	4.14	9.215		
1,300.0	1,300.0	1,300.0	1,300.0	2.2	2.2	30.83	32.8	19.6	38.2	33.7	4.49	8.499		
1,400.0	1,400.0	1,400.0	1,400.0	2.4	2.4	30.83	32.8	19.6	38.2	33.3	4.84	7.886		
1,500.0	1,500.0	1,500.0	1,500.0	2.6	2.6	30.83	32.8	19.6	38.2	33.0	5.19	7.356		
1,600.0	1,600.0	1,600.0	1,600.0	2.8	2.8	30.83	32.8	19.6	38.2	32.6	5.54	6.892		
1,700.0	1,700.0	1,700.0	1,700.0	2.9	2.9	30.83	32.8	19.6	38.2	32.3	5.89	6.484		
1,800.0	1,800.0	1,800.0	1,800.0	3.1	3.1	30.83	32.8	19.6	38.2	31.9	6.24	6.121		
1,900.0	1,900.0	1,900.0	1,900.0	3.3	3.3	30.83	32.8	19.6	38.2	31.6	6.59	5.796		
2,000.0	2,000.0	2,000.0	2,000.0	3.5	3.5	30.83	32.8	19.6	38.2	31.2	6.94	5.505		
2,100.0	2,100.0	2,100.0	2,100.0	3.6	3.6	30.83	32.8	19.6	38.2	30.9	7.29	5.241		
2,200.0	2,200.0	2,200.0	2,200.0	3.8	3.8	30.83	32.8	19.6	38.2	30.5	7.63	5.001		
2,300.0	2,300.0	2,300.0	2,300.0	4.0	4.0	30.83	32.8	19.6	38.2	30.2	7.98	4.783		
2,400.0	2,400.0	2,400.0	2,400.0	4.2	4.2	30.83	32.8	19.6	38.2	29.8	8.33	4.582		
2,500.0	2,500.0	2,500.0	2,500.0	4.3	4.3	30.83	32.8	19.6	38.2	29.5	8.68	4.398 CC, ES, SF		
2,600.0	2,600.0	2,600.0	2,600.0	4.5	4.5	143.17	32.8	19.6	40.2	31.2	9.03	4.459		
2,700.0	2,699.6	2,699.6	2,699.6	4.7	4.7	148.83	32.8	19.6	46.8	37.4	9.36	4.998		
2,800.0	2,798.8	2,798.8	2,798.8	4.9	4.9	155.33	32.8	19.6	58.3	48.7	9.67	6.034		
2,900.0	2,897.1	2,897.1	2,897.1	5.1	5.0	160.96	32.8	19.6	75.3	65.3	9.97	7.551		
3,000.0	2,995.1	2,995.1	2,995.1	5.4	5.2	164.92	32.8	19.6	94.5	84.1	10.31	9.163		
3,100.0	3,093.0	3,093.0	3,093.0	5.6	5.4	167.54	32.8	19.6	113.9	103.3	10.65	10.697		
3,200.0	3,191.0	3,191.0	3,191.0	5.9	5.5	169.40	32.8	19.6	133.6	122.6	11.00	12.149		
3,300.0	3,289.0	3,289.0	3,289.0	6.2	5.7	170.77	32.8	19.6	153.4	142.0	11.34	13.522		
3,400.0	3,387.0	3,387.0	3,387.0	6.5	5.9	171.84	32.8	19.6	173.2	161.5	11.69	14.820		
3,500.0	3,484.9	3,484.9	3,484.9	6.8	6.1	172.68	32.8	19.6	193.0	181.0	12.03	16.046		
3,600.0	3,582.9	3,582.9	3,582.9	7.1	6.2	173.37	32.8	19.6	212.9	200.6	12.37	17.207		
3,700.0	3,680.9	3,680.9	3,680.9	7.4	6.4	173.94	32.8	19.6	232.9	220.1	12.72	18.308		
3,800.0	3,778.8	3,778.8	3,778.8	7.8	6.6	174.42	32.8	19.6	252.8	239.7	13.06	19.351		
3,900.0	3,876.8	3,876.8	3,876.8	8.1	6.7	174.83	32.8	19.6	272.8	259.3	13.41	20.342		
4,000.0	3,974.8	3,974.8	3,974.8	8.5	6.9	175.18	32.8	19.6	292.7	279.0	13.75	21.284		

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Davis 1C-9H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB=13' @ 4915.0ft (Original Well Elev)
<b>Reference Site:</b>	SWNW S9-T2N-R66W (Davis)	<b>MD Reference:</b>	KB=13' @ 4915.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Davis 1C-9H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SWNW S9-T2N-R66W (Davis) - Davis 4-2-9 (Existing) - Existing - Existing												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 122-MWD												<b>Offset Well Error:</b>	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)			
8,300.0	7,189.8	7,626.1	7,161.7	27.1	42.0	-89.49	1,049.8	-1,119.0	268.8	227.6	41.19	6.527	
8,391.4	7,189.0	7,626.0	7,161.7	28.3	42.0	-89.48	1,049.8	-1,119.0	252.8	210.3	42.53	5.944	CC, ES
8,400.0	7,188.9	7,626.0	7,161.7	28.4	42.0	-89.48	1,049.8	-1,119.0	252.9	210.3	42.65	5.930	SF
8,500.0	7,188.0	7,626.0	7,161.6	29.6	42.0	-89.47	1,049.8	-1,119.0	275.1	230.9	44.16	6.230	

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Davis 1C-9H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB=13' @ 4915.0ft (Original Well Elev)
<b>Reference Site:</b>	SWNW S9-T2N-R66W (Davis)	<b>MD Reference:</b>	KB=13' @ 4915.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Davis 1C-9H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												SWNW S9-T2N-R66W (Davis) - Ione 4-6-4 (Existing) - Existing - Existing		Offset Site Error:		0.0 ft	
Survey Program:												0-MWD		Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Total Uncertainty	Separation						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis	Factor					
10,800.0	7,168.0	7,231.0	7,231.0	65.4	12.6	-90.67	3,647.2	-1,006.4	235.2	159.0	76.19	3.088					
10,900.0	7,167.1	7,230.1	7,230.1	67.1	12.6	-90.32	3,647.2	-1,006.4	166.0	88.1	77.91	2.130					
10,988.9	7,166.3	7,229.3	7,229.3	68.6	12.6	-90.00	3,647.2	-1,006.4	140.1	60.7	79.44	1.764	CC, ES, SF				
11,000.0	7,166.2	7,229.2	7,229.2	68.7	12.6	-89.96	3,647.2	-1,006.4	140.6	60.9	79.63	1.765					
11,100.0	7,165.4	7,228.4	7,228.4	70.4	12.6	-89.60	3,647.2	-1,006.4	178.8	97.5	81.36	2.198					
11,200.0	7,164.5	7,227.5	7,227.5	72.1	12.6	-89.25	3,647.2	-1,006.4	253.3	170.3	83.08	3.050					

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Davis 1C-9H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB=13' @ 4915.0ft (Original Well Elev)
<b>Reference Site:</b>	SWNW S9-T2N-R66W (Davis)	<b>MD Reference:</b>	KB=13' @ 4915.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Davis 1C-9H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to KB=13' @ 4915.0ft (Original Well Elev)  
Offset Depths are relative to Offset Datum  
Central Meridian is -105.500000 °

Coordinates are relative to: Davis 1C-9H  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: 0.47°

