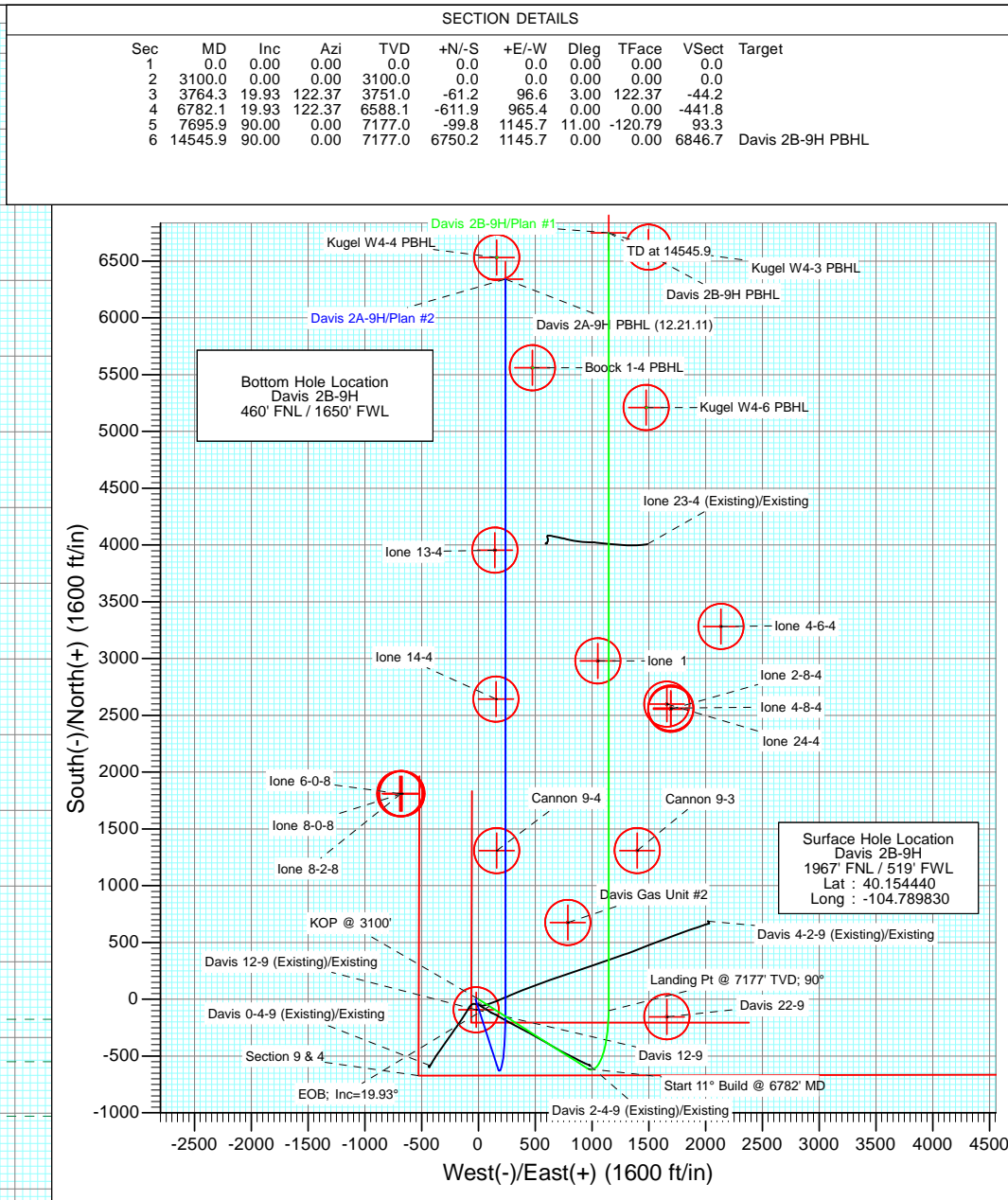
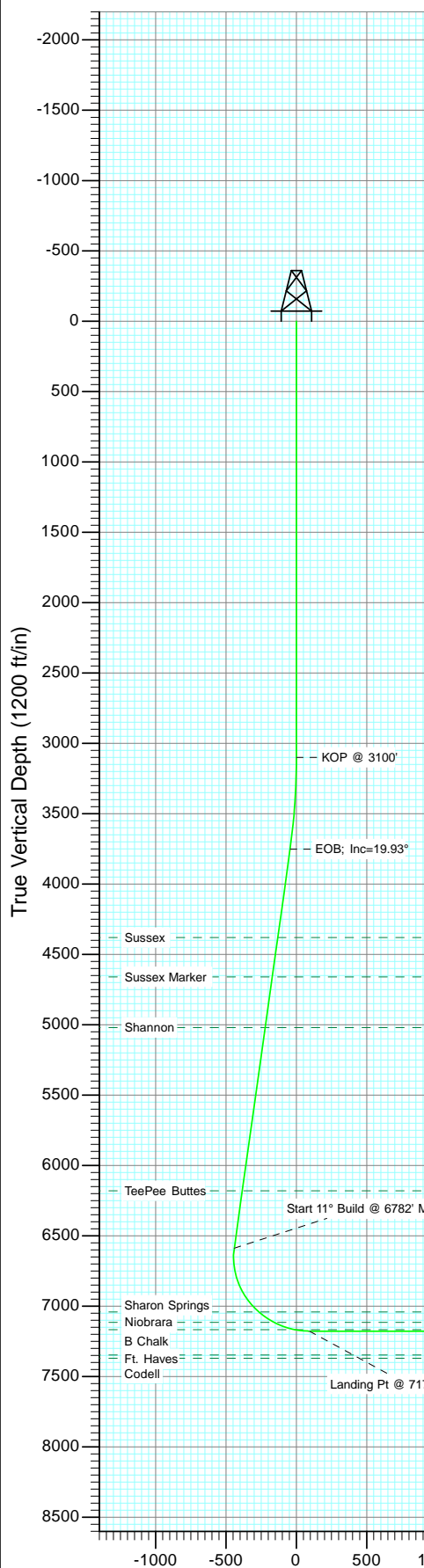




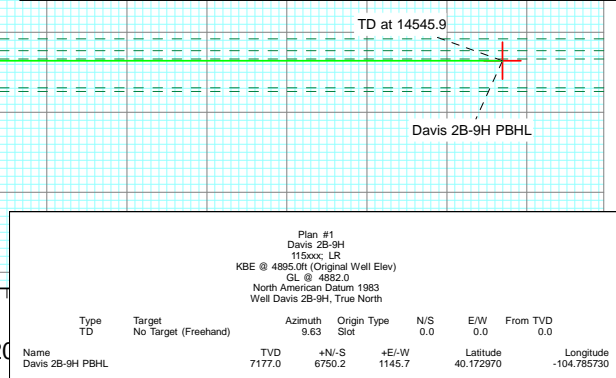
Project: DJ Wattenberg
Site: SWNW S9-T2N-R66W (Davis)
Well: Davis 2B-9H
Wellbore: HZ
Design: Plan #1



Magnetic North: 8.79°
Magnetic Field
Strength: 52944.5nT
Dip Angle: 66.83°
Date: 12/21/2011
Model: IGRF2010

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4380.0	4433.4	Sussex
4660.0	4731.2	Sussex Marker
5020.0	5114.1	Shannon
6180.0	6348.0	TeePee Buttes
7041.0	7301.6	Sharon Springs
7115.0	7433.2	Niobrara
7167.0	7591.3	B Chalk

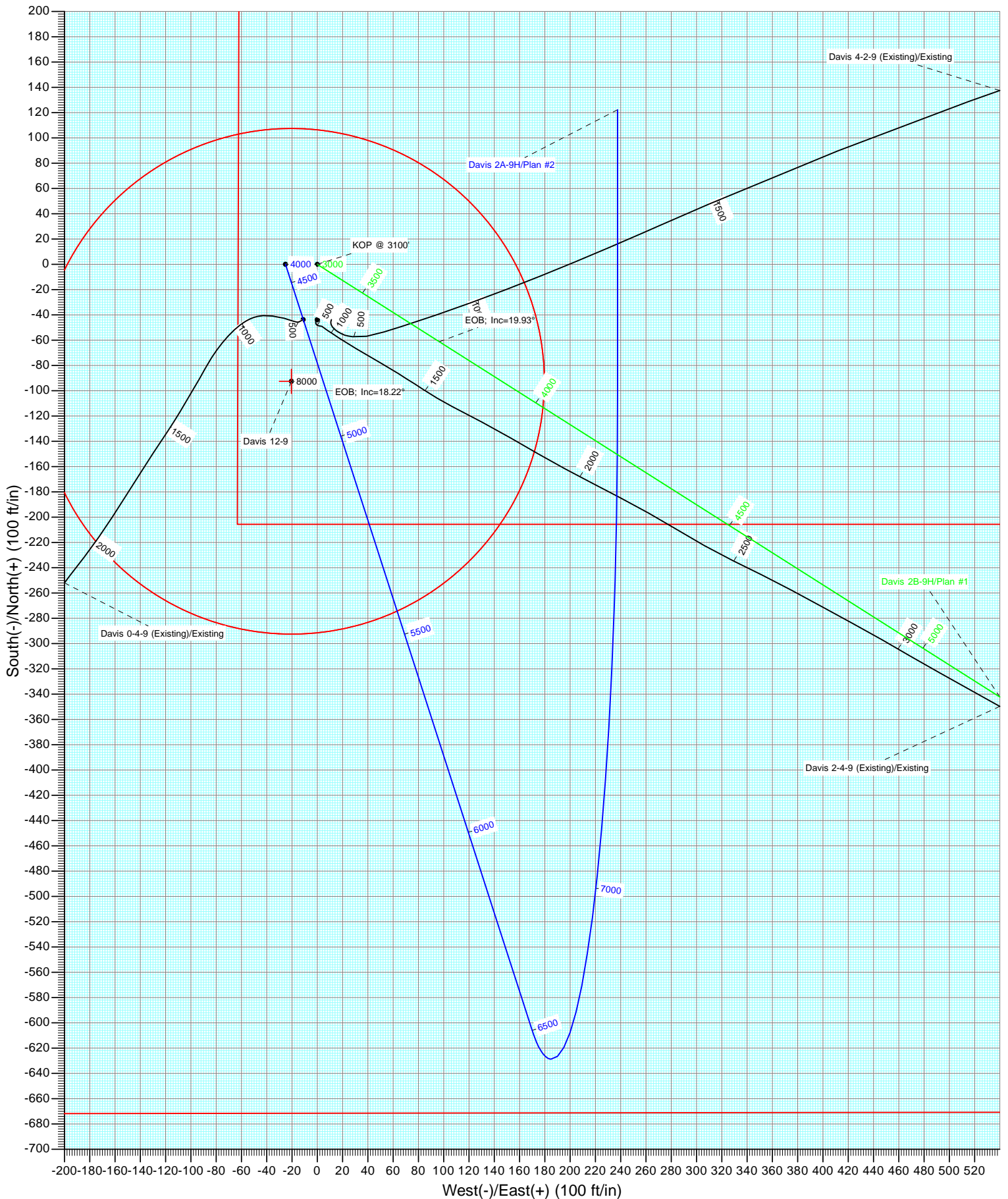


Vertical Section at 9.63° (1200 ft/in)

Type	Target	Azimuth	Origin Type	N/S	E/W	From TVD
TD	No Target (Freehand)	9.63	Slot	0.0	0.0	0.0
Name	Davis 2B-9H PBHL	TVD	+N/-S	+E/-W	Latitude	Longitude
		7177.0	6750.2	1145.7	40.172970	-104.785730



Project: DJ Wattenberg
Site: SWNW S9-T2N-R66W (Davis)
Well: Davis 2B-9H
Design: Plan #1



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Davis 2B-9H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site:	SWNW S9-T2N-R66W (Davis)	North Reference:	True
Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
Design:	Plan #1		

Project	DJ Wattenberg		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	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 2B-9H					
Well Position	+N/-S	0.0 ft	Northing:	1,299,903.24 ft	Latitude:	40.154440
	+E/-W	0.0 ft	Easting:	3,198,510.39 ft	Longitude:	-104.789830
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,882.0 ft

Wellbore	HZ				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/21/2011	8.79	66.83	52,945

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	9.63

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	
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,764.3	19.93	122.37	3,751.0	-61.2	96.6	3.00	3.00	0.00	122.37	
6,782.1	19.93	122.37	6,588.1	-611.9	965.4	0.00	0.00	0.00	0.00	
7,695.9	90.00	0.00	7,177.0	-99.8	1,145.7	11.00	7.67	-13.39	-120.79	
14,545.9	90.00	0.00	7,177.0	6,750.2	1,145.7	0.00	0.00	0.00	0.00	Davis 2B-9H PBHL

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Davis 2B-9H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site:	SWNW S9-T2N-R66W (Davis)	North Reference:	True
Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
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	
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	
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	KOP @ 3100'
3,200.0	3.00	122.37	3,200.0	-1.4	2.2	-1.0	3.00	3.00	
3,300.0	6.00	122.37	3,299.6	-5.6	8.8	-4.0	3.00	3.00	
3,400.0	9.00	122.37	3,398.8	-12.6	19.9	-9.1	3.00	3.00	
3,500.0	12.00	122.37	3,497.1	-22.3	35.2	-16.1	3.00	3.00	
3,600.0	15.00	122.37	3,594.3	-34.8	55.0	-25.2	3.00	3.00	
3,700.0	18.00	122.37	3,690.2	-50.0	79.0	-36.1	3.00	3.00	
3,764.3	19.93	122.37	3,751.0	-61.2	96.6	-44.2	3.00	3.00	EOB; Inc=19.93°
3,800.0	19.93	122.37	3,784.5	-67.7	106.9	-48.9	0.00	0.00	
3,900.0	19.93	122.37	3,878.6	-86.0	135.7	-62.1	0.00	0.00	
4,000.0	19.93	122.37	3,972.6	-104.2	164.5	-75.3	0.00	0.00	
4,100.0	19.93	122.37	4,066.6	-122.5	193.2	-88.4	0.00	0.00	
4,200.0	19.93	122.37	4,160.6	-140.7	222.0	-101.6	0.00	0.00	
4,300.0	19.93	122.37	4,254.6	-159.0	250.8	-114.8	0.00	0.00	
4,400.0	19.93	122.37	4,348.6	-177.2	279.6	-127.9	0.00	0.00	
4,433.4	19.93	122.37	4,380.0	-183.3	289.2	-132.3	0.00	0.00	Sussex
4,500.0	19.93	122.37	4,442.6	-195.5	308.4	-141.1	0.00	0.00	
4,600.0	19.93	122.37	4,536.6	-213.7	337.2	-154.3	0.00	0.00	
4,700.0	19.93	122.37	4,630.7	-232.0	366.0	-167.5	0.00	0.00	
4,731.2	19.93	122.37	4,660.0	-237.7	375.0	-171.6	0.00	0.00	Sussex Marker
4,800.0	19.93	122.37	4,724.7	-250.2	394.8	-180.6	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Davis 2B-9H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site:	SWNW S9-T2N-R66W (Davis)	North Reference:	True
Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
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
4,900.0	19.93	122.37	4,818.7	-268.5	423.5	-193.8	0.00	0.00	
5,000.0	19.93	122.37	4,912.7	-286.7	452.3	-207.0	0.00	0.00	
5,100.0	19.93	122.37	5,006.7	-305.0	481.1	-220.2	0.00	0.00	
5,114.1	19.93	122.37	5,020.0	-307.6	485.2	-222.0	0.00	0.00	Shannon
5,200.0	19.93	122.37	5,100.7	-323.2	509.9	-233.3	0.00	0.00	
5,300.0	19.93	122.37	5,194.7	-341.5	538.7	-246.5	0.00	0.00	
5,400.0	19.93	122.37	5,288.7	-359.7	567.5	-259.7	0.00	0.00	
5,500.0	19.93	122.37	5,382.7	-378.0	596.3	-272.9	0.00	0.00	
5,600.0	19.93	122.37	5,476.8	-396.2	625.1	-286.0	0.00	0.00	
5,700.0	19.93	122.37	5,570.8	-414.5	653.9	-299.2	0.00	0.00	
5,800.0	19.93	122.37	5,664.8	-432.7	682.6	-312.4	0.00	0.00	
5,900.0	19.93	122.37	5,758.8	-451.0	711.4	-325.6	0.00	0.00	
6,000.0	19.93	122.37	5,852.8	-469.2	740.2	-338.7	0.00	0.00	
6,100.0	19.93	122.37	5,946.8	-487.5	769.0	-351.9	0.00	0.00	
6,200.0	19.93	122.37	6,040.8	-505.7	797.8	-365.1	0.00	0.00	
6,300.0	19.93	122.37	6,134.8	-524.0	826.6	-378.3	0.00	0.00	
6,348.0	19.93	122.37	6,180.0	-532.7	840.4	-384.6	0.00	0.00	TeePee Buttes
6,400.0	19.93	122.37	6,228.9	-542.2	855.4	-391.4	0.00	0.00	
6,500.0	19.93	122.37	6,322.9	-560.5	884.2	-404.6	0.00	0.00	
6,600.0	19.93	122.37	6,416.9	-578.7	913.0	-417.8	0.00	0.00	
6,700.0	19.93	122.37	6,510.9	-597.0	941.7	-430.9	0.00	0.00	
6,782.1	19.93	122.37	6,588.1	-611.9	965.4	-441.8	0.00	0.00	Start 11° Build @ 6782' MD
6,800.0	18.99	117.17	6,605.0	-614.9	970.5	-443.8	11.00	-5.23	
6,900.0	17.20	81.67	6,700.3	-620.2	999.7	-444.2	11.00	-1.80	
7,000.0	21.58	50.75	6,794.8	-606.4	1,028.7	-425.7	11.00	4.38	
7,100.0	29.50	32.78	6,885.1	-574.0	1,056.3	-389.1	11.00	7.92	
7,200.0	38.84	22.35	6,967.9	-524.1	1,081.7	-335.7	11.00	9.35	
7,300.0	48.80	15.55	7,040.0	-458.7	1,103.8	-267.5	11.00	9.95	
7,301.6	48.96	15.46	7,041.0	-457.5	1,104.1	-266.3	11.00	10.14	Sharon Springs
7,400.0	59.04	10.58	7,098.8	-380.0	1,121.8	-186.9	11.00	10.25	
7,433.2	62.48	9.18	7,115.0	-351.5	1,126.7	-158.0	11.00	10.36	Niobrara
7,500.0	69.44	6.59	7,142.2	-291.1	1,135.1	-97.0	11.00	10.42	
7,591.3	79.01	3.41	7,167.0	-203.7	1,142.7	-9.6	11.00	10.48	B Chalk
7,600.0	79.92	3.12	7,168.6	-195.1	1,143.1	-1.1	11.00	10.50	
7,695.9	90.00	0.00	7,177.0	-99.8	1,145.7	93.3	11.00	10.51	Landing Pt @ 7177' TVD; 90°
7,700.0	90.00	0.00	7,177.0	-95.7	1,145.7	97.4	0.00	0.00	
7,800.0	90.00	0.00	7,177.0	4.3	1,145.7	196.0	0.00	0.00	
7,900.0	90.00	0.00	7,177.0	104.3	1,145.7	294.6	0.00	0.00	
8,000.0	90.00	0.00	7,177.0	204.3	1,145.7	393.2	0.00	0.00	
8,100.0	90.00	0.00	7,177.0	304.3	1,145.7	491.8	0.00	0.00	
8,200.0	90.00	0.00	7,177.0	404.3	1,145.7	590.3	0.00	0.00	
8,300.0	90.00	0.00	7,177.0	504.3	1,145.7	688.9	0.00	0.00	
8,400.0	90.00	0.00	7,177.0	604.3	1,145.7	787.5	0.00	0.00	
8,500.0	90.00	0.00	7,177.0	704.3	1,145.7	886.1	0.00	0.00	
8,600.0	90.00	0.00	7,177.0	804.3	1,145.7	984.7	0.00	0.00	
8,700.0	90.00	0.00	7,177.0	904.3	1,145.7	1,083.3	0.00	0.00	
8,800.0	90.00	0.00	7,177.0	1,004.3	1,145.7	1,181.9	0.00	0.00	
8,900.0	90.00	0.00	7,177.0	1,104.3	1,145.7	1,280.5	0.00	0.00	
9,000.0	90.00	0.00	7,177.0	1,204.3	1,145.7	1,379.1	0.00	0.00	
9,100.0	90.00	0.00	7,177.0	1,304.3	1,145.7	1,477.7	0.00	0.00	
9,200.0	90.00	0.00	7,177.0	1,404.3	1,145.7	1,576.2	0.00	0.00	
9,300.0	90.00	0.00	7,177.0	1,504.3	1,145.7	1,674.8	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Davis 2B-9H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site:	SWNW S9-T2N-R66W (Davis)	North Reference:	True
Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
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	90.00	0.00	7,177.0	1,604.3	1,145.7	1,773.4	0.00	0.00	
9,500.0	90.00	0.00	7,177.0	1,704.3	1,145.7	1,872.0	0.00	0.00	
9,600.0	90.00	0.00	7,177.0	1,804.3	1,145.7	1,970.6	0.00	0.00	
9,700.0	90.00	0.00	7,177.0	1,904.3	1,145.7	2,069.2	0.00	0.00	
9,800.0	90.00	0.00	7,177.0	2,004.3	1,145.7	2,167.8	0.00	0.00	
9,900.0	90.00	0.00	7,177.0	2,104.3	1,145.7	2,266.4	0.00	0.00	
10,000.0	90.00	0.00	7,177.0	2,204.3	1,145.7	2,365.0	0.00	0.00	
10,100.0	90.00	0.00	7,177.0	2,304.3	1,145.7	2,463.6	0.00	0.00	
10,200.0	90.00	0.00	7,177.0	2,404.3	1,145.7	2,562.1	0.00	0.00	
10,300.0	90.00	0.00	7,177.0	2,504.3	1,145.7	2,660.7	0.00	0.00	
10,400.0	90.00	0.00	7,177.0	2,604.3	1,145.7	2,759.3	0.00	0.00	
10,500.0	90.00	0.00	7,177.0	2,704.3	1,145.7	2,857.9	0.00	0.00	
10,600.0	90.00	0.00	7,177.0	2,804.3	1,145.7	2,956.5	0.00	0.00	
10,700.0	90.00	0.00	7,177.0	2,904.3	1,145.7	3,055.1	0.00	0.00	
10,800.0	90.00	0.00	7,177.0	3,004.3	1,145.7	3,153.7	0.00	0.00	
10,900.0	90.00	0.00	7,177.0	3,104.3	1,145.7	3,252.3	0.00	0.00	
11,000.0	90.00	0.00	7,177.0	3,204.3	1,145.7	3,350.9	0.00	0.00	
11,100.0	90.00	0.00	7,177.0	3,304.3	1,145.7	3,449.5	0.00	0.00	
11,200.0	90.00	0.00	7,177.0	3,404.3	1,145.7	3,548.0	0.00	0.00	
11,300.0	90.00	0.00	7,177.0	3,504.3	1,145.7	3,646.6	0.00	0.00	
11,400.0	90.00	0.00	7,177.0	3,604.3	1,145.7	3,745.2	0.00	0.00	
11,500.0	90.00	0.00	7,177.0	3,704.3	1,145.7	3,843.8	0.00	0.00	
11,600.0	90.00	0.00	7,177.0	3,804.3	1,145.7	3,942.4	0.00	0.00	
11,700.0	90.00	0.00	7,177.0	3,904.3	1,145.7	4,041.0	0.00	0.00	
11,800.0	90.00	0.00	7,177.0	4,004.3	1,145.7	4,139.6	0.00	0.00	
11,900.0	90.00	0.00	7,177.0	4,104.3	1,145.7	4,238.2	0.00	0.00	
12,000.0	90.00	0.00	7,177.0	4,204.3	1,145.7	4,336.8	0.00	0.00	
12,100.0	90.00	0.00	7,177.0	4,304.3	1,145.7	4,435.4	0.00	0.00	
12,200.0	90.00	0.00	7,177.0	4,404.3	1,145.7	4,533.9	0.00	0.00	
12,300.0	90.00	0.00	7,177.0	4,504.3	1,145.7	4,632.5	0.00	0.00	
12,400.0	90.00	0.00	7,177.0	4,604.3	1,145.7	4,731.1	0.00	0.00	
12,500.0	90.00	0.00	7,177.0	4,704.3	1,145.7	4,829.7	0.00	0.00	
12,600.0	90.00	0.00	7,177.0	4,804.3	1,145.7	4,928.3	0.00	0.00	
12,700.0	90.00	0.00	7,177.0	4,904.3	1,145.7	5,026.9	0.00	0.00	
12,800.0	90.00	0.00	7,177.0	5,004.3	1,145.7	5,125.5	0.00	0.00	
12,900.0	90.00	0.00	7,177.0	5,104.3	1,145.7	5,224.1	0.00	0.00	
13,000.0	90.00	0.00	7,177.0	5,204.3	1,145.7	5,322.7	0.00	0.00	
13,100.0	90.00	0.00	7,177.0	5,304.3	1,145.7	5,421.3	0.00	0.00	
13,200.0	90.00	0.00	7,177.0	5,404.3	1,145.7	5,519.8	0.00	0.00	
13,300.0	90.00	0.00	7,177.0	5,504.3	1,145.7	5,618.4	0.00	0.00	
13,400.0	90.00	0.00	7,177.0	5,604.3	1,145.7	5,717.0	0.00	0.00	
13,500.0	90.00	0.00	7,177.0	5,704.3	1,145.7	5,815.6	0.00	0.00	
13,600.0	90.00	0.00	7,177.0	5,804.3	1,145.7	5,914.2	0.00	0.00	
13,700.0	90.00	0.00	7,177.0	5,904.3	1,145.7	6,012.8	0.00	0.00	
13,800.0	90.00	0.00	7,177.0	6,004.3	1,145.7	6,111.4	0.00	0.00	
13,900.0	90.00	0.00	7,177.0	6,104.3	1,145.7	6,210.0	0.00	0.00	
14,000.0	90.00	0.00	7,177.0	6,204.3	1,145.7	6,308.6	0.00	0.00	
14,100.0	90.00	0.00	7,177.0	6,304.3	1,145.7	6,407.2	0.00	0.00	
14,200.0	90.00	0.00	7,177.0	6,404.3	1,145.7	6,505.7	0.00	0.00	
14,300.0	90.00	0.00	7,177.0	6,504.3	1,145.7	6,604.3	0.00	0.00	
14,400.0	90.00	0.00	7,177.0	6,604.3	1,145.7	6,702.9	0.00	0.00	
14,500.0	90.00	0.00	7,177.0	6,704.3	1,145.7	6,801.5	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Davis 2B-9H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site:	SWNW S9-T2N-R66W (Davis)	North Reference:	True
Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HZ		
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
14,545.9	90.00	0.00	7,177.0	6,750.2	1,145.7	6,846.7	0.00	0.00	TD at 14545.9 - Davis 2B-9H PBHL

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Davis 2B-9H PBHL - plan hits target center - Point	0.00	0.00	7,177.0	6,750.2	1,145.7	1,306,662.39	3,199,602.01	40.172970	-104.785730

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,433.4	4,380.0	Sussex			
4,731.2	4,660.0	Sussex Marker			
5,114.1	5,020.0	Shannon			
6,348.0	6,180.0	TeePee Buttes			
7,301.6	7,041.0	Sharon Springs			
7,433.2	7,115.0	Niobrara			
7,591.3	7,167.0	B Chalk			

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
3,100.0	3,100.0	0.0	0.0	KOP @ 3100'
3,764.3	3,751.0	-61.2	96.6	EOB; Inc=19.93°
6,782.1	6,588.1	-611.9	965.4	Start 11° Build @ 6782' MD
7,695.9	7,177.0	-99.8	1,145.7	Landing Pt @ 7177' TVD; 90°
14,545.9	7,177.0	6,750.2	1,145.7	TD at 14545.9

EnCana Oil & Gas (USA) Inc

DJ Wattenberg

SWNW S9-T2N-R66W (Davis)

Davis 2B-9H

HZ

Plan #1

Anticollision Report

21 December, 2011

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference	Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	Systematic Ellipse
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,000.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program		Date	12/21/2011		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	14,545.9	Plan #1 (HZ)	MWD	Geolink MWD	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SWNW S9-T2N-R66W (Davis)						
Boock 1-4 (Existing) - Existing - Existing	13,356.5	7,108.0	670.9	558.4	5.961	CC, ES
Boock 1-4 (Existing) - Existing - Existing	13,400.0	7,108.0	672.3	559.0	5.933	SF
Cannon 9-3 (Existing) - Existing - Existing	9,105.7	7,202.0	252.4	211.7	6.202	CC, ES, SF
Cannon 9-4 (Existing) - Existing - Existing	9,104.9	7,193.0	985.3	944.6	24.231	CC, ES
Cannon 9-4 (Existing) - Existing - Existing	9,200.0	7,193.0	989.9	947.7	23.493	SF
Davis 0-4-9 (Existing) - Existing - Existing	100.0	94.9	45.2	44.9	144.603	CC, ES
Davis 0-4-9 (Existing) - Existing - Existing	800.0	792.6	53.1	50.4	19.393	SF
Davis 12-9 (Existing) - Existing - Existing	3,451.7	3,484.8	89.1	77.0	7.353	CC, ES
Davis 12-9 (Existing) - Existing - Existing	3,500.0	3,532.1	89.6	77.3	7.282	SF
Davis 22-9 (Existing) - Existing - Existing	7,654.6	7,180.5	513.3	487.3	19.736	CC, ES, SF
Davis 2-4-9 (Existing) - Existing - Existing	6,789.8	6,735.4	33.7	-13.2	0.718	Level 1, CC, ES, SF
Davis 2A-9H - HZ - Plan #2	3,100.0	3,100.0	25.2	14.4	2.335	CC, ES, SF
Davis 4-2-9 (Existing) - Existing - Existing	0.0	0.0	45.4			
Davis 4-2-9 (Existing) - Existing - Existing	8,800.0	7,646.9	932.9	890.5	22.012	SF
Davis Gas Unit #2 (Existing) - Existing - Existing	8,472.2	7,187.0	359.2	327.5	11.335	CC, ES
Davis Gas Unit #2 (Existing) - Existing - Existing	8,500.0	7,187.0	360.2	328.2	11.248	SF
lone 1 (Existing) - Existing - Existing	10,775.9	7,210.0	94.6	26.4	1.387	Level 3, CC, ES, SF
lone 13-4 (Existing) - Existing - Existing						Out of range
lone 14-4 (Existing) - Existing - Existing	10,438.9	7,207.0	992.0	929.5	15.875	CC, ES
lone 14-4 (Existing) - Existing - Existing	10,500.0	7,207.0	993.9	930.4	15.647	SF
lone 23-4 (Existing) - Existing - Existing	11,800.0	7,318.5	58.9	-19.9	0.747	Level 1, ES, SF
lone 23-4 (Existing) - Existing - Existing	11,800.5	7,318.5	58.9	-19.9	0.747	Level 1, CC
lone 24-4 (Existing) - Existing - Existing	10,394.9	7,220.0	512.5	450.7	8.297	CC
lone 24-4 (Existing) - Existing - Existing	10,400.0	7,220.0	512.5	450.7	8.286	ES
lone 24-4 (Existing) - Existing - Existing	10,500.0	7,220.0	523.2	459.6	8.233	SF
lone 2-8-4 (Existing) - Existing - Existing	10,349.4	7,219.0	548.0	487.0	8.984	CC, ES
lone 2-8-4 (Existing) - Existing - Existing	10,400.0	7,219.0	550.3	488.5	8.898	SF
lone 4-6-4 (Existing) - Existing - Existing	11,078.7	7,260.0	989.2	915.8	13.467	CC
lone 4-6-4 (Existing) - Existing - Existing	11,100.0	7,260.0	989.5	915.7	13.404	ES
lone 4-6-4 (Existing) - Existing - Existing	11,200.0	7,260.0	996.7	921.1	13.195	SF
lone 4-8-4 (Existing) - Existing - Existing	10,360.3	7,220.0	548.0	486.8	8.957	CC, ES
lone 4-8-4 (Existing) - Existing - Existing	10,400.0	7,220.0	549.4	487.6	8.883	SF
lone 6-0-8 (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
Kugel W4-3 (Existing) - Existing - Existing	14,418.4	7,187.0	351.0	219.8	2.676	CC, ES, SF
Kugel W4-4 (Existing) - Existing - Existing	14,328.0	7,178.0	984.8	855.2	7.599	CC, ES
Kugel W4-4 (Existing) - Existing - Existing	14,500.0	7,178.0	999.7	867.1	7.540	SF
Kugel W4-6 (Existing) - Existing - Existing	13,006.8	7,215.0	330.4	223.7	3.097	CC, ES, SF

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Boock 1-4 (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 (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)	Total Uncertainty Axis	Separation Factor		
12,700.0	7,177.0	7,108.0	7,108.0	91.0	12.4	-90.00	5,560.8	474.8	938.6	837.5	101.16	9.279		
12,800.0	7,177.0	7,108.0	7,108.0	92.7	12.4	-90.00	5,560.8	474.8	871.6	768.8	102.90	8.471		
12,900.0	7,177.0	7,108.0	7,108.0	94.4	12.4	-90.00	5,560.8	474.8	811.5	706.8	104.63	7.756		
13,000.0	7,177.0	7,108.0	7,108.0	96.1	12.4	-90.00	5,560.8	474.8	759.7	653.4	106.37	7.143		
13,100.0	7,177.0	7,108.0	7,108.0	97.8	12.4	-90.00	5,560.8	474.8	718.3	610.2	108.10	6.644		
13,200.0	7,177.0	7,108.0	7,108.0	99.5	12.4	-90.00	5,560.8	474.8	688.9	579.1	109.84	6.272		
13,300.0	7,177.0	7,108.0	7,108.0	101.2	12.4	-90.00	5,560.8	474.8	673.3	561.7	111.58	6.034		
13,356.5	7,177.0	7,108.0	7,108.0	102.2	12.4	-90.00	5,560.8	474.8	670.9	558.4	112.56	5.961 CC, ES		
13,400.0	7,177.0	7,108.0	7,108.0	102.9	12.4	-90.00	5,560.8	474.8	672.3	559.0	113.31	5.933 SF		
13,500.0	7,177.0	7,108.0	7,108.0	104.6	12.4	-90.00	5,560.8	474.8	686.1	571.1	115.05	5.963		
13,600.0	7,177.0	7,108.0	7,108.0	106.3	12.4	-90.00	5,560.8	474.8	713.8	597.0	116.79	6.111		
13,700.0	7,177.0	7,108.0	7,108.0	108.0	12.4	-90.00	5,560.8	474.8	753.8	635.2	118.53	6.359		
13,800.0	7,177.0	7,108.0	7,108.0	109.7	12.4	-90.00	5,560.8	474.8	804.3	684.0	120.27	6.687		
13,900.0	7,177.0	7,108.0	7,108.0	111.4	12.4	-90.00	5,560.8	474.8	863.5	741.5	122.01	7.077		
14,000.0	7,177.0	7,108.0	7,108.0	113.1	12.4	-90.00	5,560.8	474.8	929.7	805.9	123.75	7.512		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
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)	Total Uncertainty Axis	Separation Factor	Warning
8,200.0	7,177.0	7,202.0	7,202.0	26.2	12.6	90.00	1,310.0	1,398.1	940.2	911.5	28.68	32.782	
8,300.0	7,177.0	7,202.0	7,202.0	26.8	12.6	90.00	1,310.0	1,398.1	844.3	814.6	29.70	28.428	
8,400.0	7,177.0	7,202.0	7,202.0	27.5	12.6	90.00	1,310.0	1,398.1	749.4	718.6	30.83	24.309	
8,500.0	7,177.0	7,202.0	7,202.0	28.3	12.6	90.00	1,310.0	1,398.1	656.2	624.1	32.05	20.471	
8,600.0	7,177.0	7,202.0	7,202.0	29.1	12.6	90.00	1,310.0	1,398.1	565.2	531.8	33.35	16.945	
8,700.0	7,177.0	7,202.0	7,202.0	30.1	12.6	90.00	1,310.0	1,398.1	477.8	443.1	34.71	13.763	
8,800.0	7,177.0	7,202.0	7,202.0	31.1	12.6	90.00	1,310.0	1,398.1	396.4	360.3	36.13	10.972	
8,900.0	7,177.0	7,202.0	7,202.0	32.2	12.6	90.00	1,310.0	1,398.1	325.6	288.0	37.59	8.662	
9,000.0	7,177.0	7,202.0	7,202.0	33.4	12.6	90.00	1,310.0	1,398.1	273.6	234.5	39.08	7.001	
9,100.0	7,177.0	7,202.0	7,202.0	34.6	12.6	90.00	1,310.0	1,398.1	252.4	211.8	40.60	6.217	
9,105.7	7,177.0	7,202.0	7,202.0	34.7	12.6	90.00	1,310.0	1,398.1	252.4	211.7	40.69	6.202 CC, ES, SF	
9,200.0	7,177.0	7,202.0	7,202.0	35.8	12.6	90.00	1,310.0	1,398.1	269.4	227.3	42.15	6.392	
9,300.0	7,177.0	7,202.0	7,202.0	37.1	12.6	90.00	1,310.0	1,398.1	318.5	274.8	43.72	7.285	
9,400.0	7,177.0	7,202.0	7,202.0	38.5	12.6	90.00	1,310.0	1,398.1	387.7	342.4	45.31	8.557	
9,500.0	7,177.0	7,202.0	7,202.0	39.8	12.6	90.00	1,310.0	1,398.1	468.2	421.2	46.92	9.979	
9,600.0	7,177.0	7,202.0	7,202.0	41.2	12.6	90.00	1,310.0	1,398.1	555.0	506.5	48.53	11.435	
9,700.0	7,177.0	7,202.0	7,202.0	42.7	12.6	90.00	1,310.0	1,398.1	645.7	595.5	50.17	12.871	
9,800.0	7,177.0	7,202.0	7,202.0	44.1	12.6	90.00	1,310.0	1,398.1	738.8	687.0	51.81	14.260	
9,900.0	7,177.0	7,202.0	7,202.0	45.6	12.6	90.00	1,310.0	1,398.1	833.4	780.0	53.46	15.591	
10,000.0	7,177.0	7,202.0	7,202.0	47.1	12.6	90.00	1,310.0	1,398.1	929.2	874.1	55.12	16.859	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													SWNW S9-T2N-R66W (Davis) - Cannon 9-4 (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						
Depth	Depth	Depth	Depth	Reference	Offset	Toolface	Centre	Centres	Ellipses	Axis	Factor						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S	(ft)	+E/-W	(ft)	(ft)						
9,000.0	7,177.0	7,193.0	7,193.0	33.4	12.5	-90.00	1,309.2	160.4	990.9	951.8	39.06	25.366					
9,100.0	7,177.0	7,193.0	7,193.0	34.6	12.5	-90.00	1,309.2	160.4	985.3	944.7	40.59	24.277					
9,104.9	7,177.0	7,193.0	7,193.0	34.6	12.5	-90.00	1,309.2	160.4	985.3	944.6	40.66	24.231	CC, ES				
9,200.0	7,177.0	7,193.0	7,193.0	35.8	12.5	-90.00	1,309.2	160.4	989.9	947.7	42.13	23.493	SF				

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Davis 0-4-9 (Existing) - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program:		352-MWD											Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						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)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-165.65	-43.7	-11.2	45.4					
100.0	100.0	94.9	94.9	0.2	0.2	-165.48	-43.8	-11.3	45.2	44.9	0.31	144.603	CC, ES	
200.0	200.0	194.8	194.8	0.3	0.3	-164.94	-44.0	-11.9	45.6	45.0	0.66	69.455		
300.0	300.0	294.6	294.6	0.5	0.5	-164.05	-44.5	-12.7	46.3	45.3	1.00	46.238		
400.0	400.0	394.5	394.5	0.7	0.7	-162.90	-45.1	-13.9	47.2	45.9	1.35	35.051		
500.0	500.0	494.7	494.7	0.8	0.9	-161.67	-45.8	-15.2	48.3	46.6	1.70	28.446		
600.0	600.0	594.8	594.7	1.0	1.0	-158.04	-45.2	-18.2	48.7	46.7	2.05	23.821		
700.0	700.0	694.5	694.2	1.2	1.2	-150.61	-43.3	-24.4	49.7	47.3	2.39	20.758		
800.0	800.0	792.6	791.9	1.4	1.5	-140.76	-41.1	-33.5	53.1	50.4	2.74	19.393	SF	
900.0	900.0	889.8	888.2	1.5	1.7	-131.89	-40.9	-45.6	61.6	58.5	3.10	19.866		
1,000.0	1,000.0	986.0	983.5	1.7	2.0	-128.31	-45.8	-58.0	74.8	71.3	3.50	21.391		
1,100.0	1,100.0	1,082.0	1,078.0	1.9	2.2	-128.84	-56.7	-70.5	92.1	88.1	3.94	23.388		
1,200.0	1,200.0	1,180.0	1,174.3	2.1	2.6	-131.06	-71.5	-82.0	110.7	106.4	4.39	25.249		
1,300.0	1,300.0	1,278.0	1,270.4	2.2	2.9	-133.75	-87.8	-91.7	129.3	124.5	4.85	26.680		
1,400.0	1,400.0	1,374.4	1,364.8	2.4	3.2	-135.88	-104.9	-101.7	149.2	143.9	5.32	28.054		
1,500.0	1,500.0	1,471.7	1,460.0	2.6	3.6	-137.50	-122.2	-112.0	169.4	163.6	5.80	29.190		
1,600.0	1,600.0	1,568.5	1,554.5	2.8	3.9	-138.52	-139.6	-123.4	190.7	184.4	6.30	30.285		
1,700.0	1,700.0	1,666.6	1,650.4	2.9	4.3	-139.35	-156.9	-134.7	211.5	204.7	6.80	31.097		
1,800.0	1,800.0	1,764.6	1,746.1	3.1	4.7	-140.12	-174.8	-146.1	233.0	225.7	7.31	31.885		
1,900.0	1,900.0	1,864.1	1,843.5	3.3	5.1	-140.73	-192.0	-157.0	253.3	245.5	7.81	32.417		
2,000.0	2,000.0	1,961.2	1,938.5	3.5	5.5	-141.18	-208.8	-168.0	273.9	265.6	8.32	32.935		
2,100.0	2,100.0	2,060.1	2,035.3	3.6	5.8	-141.43	-225.4	-179.7	294.4	285.6	8.82	33.372		
2,200.0	2,200.0	2,157.2	2,130.4	3.8	6.2	-141.51	-241.1	-191.7	314.7	305.4	9.33	33.736		
2,300.0	2,300.0	2,257.6	2,228.6	4.0	6.6	-141.59	-257.4	-204.1	335.1	325.3	9.84	34.057		
2,400.0	2,400.0	2,353.5	2,322.6	4.2	7.0	-141.69	-272.7	-215.4	355.0	344.6	10.34	34.323		
2,500.0	2,500.0	2,451.1	2,418.1	4.3	7.4	-141.79	-288.8	-227.4	375.6	364.7	10.86	34.597		
2,600.0	2,600.0	2,550.5	2,515.4	4.5	7.8	-142.03	-305.7	-238.6	395.9	384.5	11.37	34.820		
2,700.0	2,700.0	2,649.8	2,612.7	4.7	8.1	-142.24	-322.3	-249.6	415.8	403.9	11.88	35.011		
2,800.0	2,800.0	2,747.3	2,708.3	4.9	8.5	-142.37	-338.1	-260.6	435.6	423.2	12.38	35.188		
2,900.0	2,900.0	2,841.8	2,800.9	5.0	8.9	-142.49	-353.8	-271.6	455.9	443.0	12.89	35.379		
3,000.0	3,000.0	2,931.6	2,888.5	5.2	9.3	-142.65	-369.9	-282.2	477.3	463.9	13.39	35.642		
3,100.0	3,100.0	3,029.6	2,984.0	5.4	9.7	-142.79	-388.1	-294.6	499.7	485.8	13.92	35.894		
3,200.0	3,200.0	3,131.7	3,083.6	5.6	10.1	94.42	-406.1	-307.7	521.7	510.7	10.99	47.454		
3,300.0	3,299.6	3,235.6	3,185.4	5.7	10.5	94.68	-423.0	-320.9	543.1	531.7	11.35	47.848		
3,400.0	3,398.8	3,330.6	3,278.3	5.9	10.9	95.27	-438.6	-332.4	564.7	553.0	11.70	48.270		
3,500.0	3,497.1	3,432.5	3,378.2	6.2	11.3	96.28	-455.5	-343.7	586.7	574.6	12.08	48.551		
3,600.0	3,594.3	3,522.2	3,466.1	6.4	11.6	97.39	-470.5	-353.6	609.8	597.4	12.49	48.838		
3,700.0	3,690.2	3,611.0	3,552.9	6.7	12.0	98.75	-485.8	-364.1	635.3	622.3	12.94	49.079		
3,800.0	3,784.5	3,705.3	3,645.1	7.1	12.4	100.69	-502.4	-375.0	662.7	649.2	13.48	49.159		
3,900.0	3,878.6	3,794.3	3,732.0	7.5	12.7	102.90	-518.5	-385.0	691.5	677.4	14.07	49.134		
4,000.0	3,972.6	3,900.5	3,835.9	7.9	13.1	105.35	-537.0	-396.5	720.6	705.9	14.76	48.835		
4,100.0	4,066.6	4,017.3	3,950.9	8.4	13.5	107.88	-554.8	-407.2	748.1	732.6	15.51	48.231		
4,200.0	4,160.6	4,126.4	4,058.8	8.9	13.9	110.13	-568.9	-415.4	773.9	757.7	16.27	47.564		
4,300.0	4,254.6	4,237.2	4,168.7	9.4	14.1	112.39	-580.4	-422.9	798.8	781.8	17.05	46.853		
4,400.0	4,348.6	4,374.2	4,305.3	9.9	14.4	115.14	-590.2	-429.0	821.1	803.1	17.91	45.844		
4,500.0	4,442.6	4,477.3	4,408.2	10.4	14.6	117.11	-595.6	-431.0	841.2	822.6	18.67	45.055		
4,600.0	4,536.6	4,596.3	4,527.1	11.0	14.7	119.42	-598.5	-431.9	860.0	840.6	19.45	44.217		
4,700.0	4,630.7	4,697.4	4,628.2	11.5	14.8	121.41	-598.5	-431.8	878.0	857.8	20.17	43.538		
4,800.0	4,724.7	4,787.4	4,718.2	12.1	14.9	123.11	-598.5	-431.6	896.8	876.0	20.84	43.033		
4,900.0	4,818.7	4,873.5	4,804.3	12.7	15.0	124.69	-598.6	-432.2	917.2	895.7	21.49	42.686		
5,000.0	4,912.7	4,963.3	4,894.1	13.2	15.1	126.27	-598.9	-433.4	939.2	917.1	22.13	42.448		
5,100.0	5,006.7	5,057.6	4,988.4	13.8	15.2	127.87	-599.2	-434.6	961.9	939.2	22.75	42.276		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												SWNW S9-T2N-R66W (Davis) - Davis 0-4-9 (Existing) - Existing - Existing		Offset Site Error:		0.0 ft	
Survey Program:		352-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 +N/-S	+E/-W	Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)							
5,200.0	5,100.7	5,154.3	5,085.1	14.4	15.3	129.44	-599.4	-436.0	985.5	962.1	23.36	42.184					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Davis 12-9 (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 (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)	Total Uncertainty Axis		Separation Factor	
0.0	0.0	35.0	35.0	0.0	0.1	-167.56	-92.5	-20.4	94.7					
100.0	100.0	135.0	135.0	0.2	0.2	-167.56	-92.5	-20.4	94.7	94.4	0.37	256.054		
200.0	200.0	235.0	235.0	0.3	0.4	-167.56	-92.5	-20.4	94.7	94.0	0.72	131.756		
300.0	300.0	335.0	335.0	0.5	0.6	-167.56	-92.5	-20.4	94.7	93.7	1.07	88.698		
400.0	400.0	435.0	435.0	0.7	0.7	-167.56	-92.5	-20.4	94.7	93.3	1.42	66.852		
500.0	500.0	535.0	535.0	0.8	0.9	-167.56	-92.5	-20.4	94.7	93.0	1.77	53.640		
600.0	600.0	635.0	635.0	1.0	1.1	-167.56	-92.5	-20.4	94.7	92.6	2.12	44.788		
700.0	700.0	735.0	735.0	1.2	1.3	-167.56	-92.5	-20.4	94.7	92.3	2.46	38.444		
800.0	800.0	835.0	835.0	1.4	1.4	-167.56	-92.5	-20.4	94.7	91.9	2.81	33.675		
900.0	900.0	935.0	935.0	1.5	1.6	-167.56	-92.5	-20.4	94.7	91.6	3.16	29.958		
1,000.0	1,000.0	1,035.0	1,035.0	1.7	1.8	-167.56	-92.5	-20.4	94.7	91.2	3.51	26.980		
1,100.0	1,100.0	1,135.0	1,135.0	1.9	2.0	-167.56	-92.5	-20.4	94.7	90.9	3.86	24.540		
1,200.0	1,200.0	1,235.0	1,235.0	2.1	2.1	-167.56	-92.5	-20.4	94.7	90.5	4.21	22.506		
1,300.0	1,300.0	1,335.0	1,335.0	2.2	2.3	-167.56	-92.5	-20.4	94.7	90.2	4.56	20.782		
1,400.0	1,400.0	1,435.0	1,435.0	2.4	2.5	-167.56	-92.5	-20.4	94.7	89.8	4.91	19.304		
1,500.0	1,500.0	1,535.0	1,535.0	2.6	2.7	-167.56	-92.5	-20.4	94.7	89.5	5.26	18.022		
1,600.0	1,600.0	1,635.0	1,635.0	2.8	2.8	-167.56	-92.5	-20.4	94.7	89.1	5.61	16.900		
1,700.0	1,700.0	1,735.0	1,735.0	2.9	3.0	-167.56	-92.5	-20.4	94.7	88.8	5.96	15.910		
1,800.0	1,800.0	1,835.0	1,835.0	3.1	3.2	-167.56	-92.5	-20.4	94.7	88.4	6.30	15.029		
1,900.0	1,900.0	1,935.0	1,935.0	3.3	3.4	-167.56	-92.5	-20.4	94.7	88.1	6.65	14.240		
2,000.0	2,000.0	2,035.0	2,035.0	3.5	3.5	-167.56	-92.5	-20.4	94.7	87.7	7.00	13.530		
2,100.0	2,100.0	2,135.0	2,135.0	3.6	3.7	-167.56	-92.5	-20.4	94.7	87.4	7.35	12.888		
2,200.0	2,200.0	2,235.0	2,235.0	3.8	3.9	-167.56	-92.5	-20.4	94.7	87.0	7.70	12.304		
2,300.0	2,300.0	2,335.0	2,335.0	4.0	4.1	-167.56	-92.5	-20.4	94.7	86.7	8.05	11.770		
2,400.0	2,400.0	2,435.0	2,435.0	4.2	4.2	-167.56	-92.5	-20.4	94.7	86.3	8.40	11.281		
2,500.0	2,500.0	2,535.0	2,535.0	4.3	4.4	-167.56	-92.5	-20.4	94.7	86.0	8.75	10.831		
2,600.0	2,600.0	2,635.0	2,635.0	4.5	4.6	-167.56	-92.5	-20.4	94.7	85.6	9.10	10.415		
2,700.0	2,700.0	2,735.0	2,735.0	4.7	4.8	-167.56	-92.5	-20.4	94.7	85.3	9.45	10.030		
2,800.0	2,800.0	2,835.0	2,835.0	4.9	4.9	-167.56	-92.5	-20.4	94.7	84.9	9.79	9.673		
2,900.0	2,900.0	2,935.0	2,935.0	5.0	5.1	-167.56	-92.5	-20.4	94.7	84.6	10.14	9.340		
3,000.0	3,000.0	3,035.0	3,035.0	5.2	5.3	-167.56	-92.5	-20.4	94.7	84.2	10.49	9.029		
3,100.0	3,100.0	3,135.0	3,135.0	5.4	5.5	-167.56	-92.5	-20.4	94.7	83.9	10.84	8.738		
3,200.0	3,200.0	3,235.0	3,235.0	5.6	5.6	71.59	-92.5	-20.4	93.9	82.7	11.19	8.389		
3,300.0	3,299.6	3,334.6	3,334.6	5.7	5.8	76.30	-92.5	-20.4	91.7	80.2	11.54	7.944		
3,400.0	3,398.8	3,433.8	3,433.8	5.9	6.0	84.44	-92.5	-20.4	89.5	77.6	11.91	7.514		
3,451.7	3,449.8	3,484.8	3,484.8	6.0	6.1	90.00	-92.5	-20.4	89.1	77.0	12.11	7.353 CC, ES		
3,500.0	3,497.1	3,532.1	3,532.1	6.2	6.1	95.92	-92.5	-20.4	89.6	77.3	12.30	7.282 SF		
3,600.0	3,594.3	3,629.3	3,629.3	6.4	6.3	109.57	-92.5	-20.4	94.9	82.2	12.68	7.484		
3,700.0	3,690.2	3,725.2	3,725.2	6.7	6.5	123.15	-92.5	-20.4	108.1	95.0	13.01	8.308		
3,800.0	3,784.5	3,819.5	3,819.5	7.1	6.6	134.85	-92.5	-20.4	129.7	116.4	13.27	9.773		
3,900.0	3,878.6	3,913.6	3,913.6	7.5	6.8	143.56	-92.5	-20.4	156.2	142.7	13.55	11.529		
4,000.0	3,972.6	4,007.6	4,007.6	7.9	7.0	149.74	-92.5	-20.4	185.2	171.4	13.84	13.383		
4,100.0	4,066.6	4,101.6	4,101.6	8.4	7.1	154.26	-92.5	-20.4	215.7	201.6	14.14	15.255		
4,200.0	4,160.6	4,195.6	4,195.6	8.9	7.3	157.66	-92.5	-20.4	247.2	232.7	14.45	17.104		
4,300.0	4,254.6	4,289.6	4,289.6	9.4	7.5	160.30	-92.5	-20.4	279.2	264.5	14.77	18.910		
4,400.0	4,348.6	4,383.6	4,383.6	9.9	7.6	162.40	-92.5	-20.4	311.7	296.7	15.09	20.664		
4,500.0	4,442.6	4,477.6	4,477.6	10.4	7.8	164.11	-92.5	-20.4	344.5	329.1	15.41	22.361		
4,600.0	4,536.6	4,571.6	4,571.6	11.0	8.0	165.52	-92.5	-20.4	377.6	361.8	15.73	24.000		
4,700.0	4,630.7	4,665.7	4,665.7	11.5	8.1	166.71	-92.5	-20.4	410.8	394.7	16.06	25.581		
4,800.0	4,724.7	4,759.7	4,759.7	12.1	8.3	167.72	-92.5	-20.4	444.1	427.7	16.39	27.104		
4,900.0	4,818.7	4,853.7	4,853.7	12.7	8.5	168.58	-92.5	-20.4	477.6	460.8	16.71	28.573		
5,000.0	4,912.7	4,947.7	4,947.7	13.2	8.6	169.34	-92.5	-20.4	511.1	494.0	17.04	29.989		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Davis 12-9 (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 (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)	Total Uncertainty Axis	Separation Factor		
5,100.0	5,006.7	5,041.7	5,041.7	13.8	8.8	170.00	-92.5	-20.4	544.7	527.3	17.37	31.354		
5,200.0	5,100.7	5,135.7	5,135.7	14.4	8.9	170.59	-92.5	-20.4	578.3	560.6	17.70	32.670		
5,300.0	5,194.7	5,229.7	5,229.7	15.0	9.1	171.11	-92.5	-20.4	612.0	594.0	18.03	33.940		
5,400.0	5,288.7	5,323.7	5,323.7	15.6	9.3	171.57	-92.5	-20.4	645.8	627.4	18.36	35.165		
5,500.0	5,382.7	5,417.7	5,417.7	16.2	9.4	171.99	-92.5	-20.4	679.5	660.9	18.70	36.349		
5,600.0	5,476.8	5,511.8	5,511.8	16.8	9.6	172.38	-92.5	-20.4	713.4	694.3	19.03	37.492		
5,700.0	5,570.8	5,605.8	5,605.8	17.4	9.8	172.72	-92.5	-20.4	747.2	727.8	19.36	38.597		
5,800.0	5,664.8	5,699.8	5,699.8	18.0	9.9	173.04	-92.5	-20.4	781.0	761.3	19.69	39.665		
5,900.0	5,758.8	5,793.8	5,793.8	18.6	10.1	173.33	-92.5	-20.4	814.9	794.9	20.02	40.698		
6,000.0	5,852.8	5,887.8	5,887.8	19.2	10.3	173.60	-92.5	-20.4	848.8	828.4	20.36	41.699		
6,100.0	5,946.8	5,981.8	5,981.8	19.9	10.4	173.84	-92.5	-20.4	882.7	862.0	20.69	42.667		
6,200.0	6,040.8	6,075.8	6,075.8	20.5	10.6	174.07	-92.5	-20.4	916.6	895.6	21.02	43.605		
6,300.0	6,134.8	6,169.8	6,169.8	21.1	10.8	174.28	-92.5	-20.4	950.5	929.2	21.35	44.515		
6,400.0	6,228.9	6,263.9	6,263.9	21.7	10.9	174.48	-92.5	-20.4	984.5	962.8	21.69	45.396		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Davis 22-9 (Existing) - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
5,900.0	5,758.8	5,763.8	5,763.8	18.6	10.0	-51.53	-153.7	1,658.4	992.5	966.7	25.79	38.484		
6,000.0	5,852.8	5,857.8	5,857.8	19.2	10.2	-53.05	-153.7	1,658.4	970.9	944.2	26.65	36.427		
6,100.0	5,946.8	5,951.8	5,951.8	19.9	10.4	-54.63	-153.7	1,658.4	950.0	922.4	27.54	34.496		
6,200.0	6,040.8	6,045.8	6,045.8	20.5	10.5	-56.27	-153.7	1,658.4	929.8	901.4	28.45	32.686		
6,300.0	6,134.8	6,139.8	6,139.8	21.1	10.7	-57.98	-153.7	1,658.4	910.5	881.1	29.38	30.994		
6,400.0	6,228.9	6,233.9	6,233.9	21.7	10.9	-59.75	-153.7	1,658.4	892.1	861.8	30.33	29.416		
6,500.0	6,322.9	6,327.9	6,327.9	22.3	11.0	-61.59	-153.7	1,658.4	874.6	843.3	31.29	27.948		
6,600.0	6,416.9	6,421.9	6,421.9	23.0	11.2	-63.50	-153.7	1,658.4	858.1	825.8	32.28	26.586		
6,700.0	6,510.9	6,515.9	6,515.9	23.6	11.4	-65.47	-153.7	1,658.4	842.7	809.4	33.27	25.328		
6,800.0	6,605.0	6,610.0	6,610.0	24.2	11.5	-62.35	-153.7	1,658.4	828.2	794.0	34.20	24.215		
6,900.0	6,700.3	6,705.3	6,705.3	24.7	11.7	-28.05	-153.7	1,658.4	807.2	772.9	34.20	23.599		
7,000.0	6,794.8	6,799.8	6,799.8	25.0	11.9	3.80	-153.7	1,658.4	775.6	742.3	33.24	23.332		
7,100.0	6,885.1	6,890.1	6,890.1	25.2	12.0	25.24	-153.7	1,658.4	734.2	702.8	31.45	23.344		
7,200.0	6,967.9	6,972.9	6,972.9	25.2	12.2	41.89	-153.7	1,658.4	685.4	656.2	29.26	23.424		
7,300.0	7,040.0	7,045.0	7,045.0	25.2	12.3	57.21	-153.7	1,658.4	633.0	605.6	27.37	23.123		
7,400.0	7,098.8	7,103.8	7,103.8	25.1	12.4	71.23	-153.7	1,658.4	582.4	556.1	26.34	22.111		
7,500.0	7,142.2	7,147.2	7,147.2	25.0	12.5	82.20	-153.7	1,658.4	541.1	515.1	26.00	20.810		
7,600.0	7,168.6	7,173.6	7,173.6	24.9	12.5	88.64	-153.7	1,658.4	516.9	491.0	25.94	19.928		
7,654.6	7,175.5	7,180.5	7,180.5	24.9	12.5	90.00	-153.7	1,658.4	513.3	487.3	26.01	19.736 CC, ES, SF		
7,700.0	7,177.0	7,182.0	7,182.0	24.9	12.5	90.00	-153.7	1,658.4	516.0	489.9	26.04	19.813		
7,800.0	7,177.0	7,182.0	7,182.0	24.9	12.5	90.00	-153.7	1,658.4	536.5	510.3	26.16	20.510		
7,900.0	7,177.0	7,182.0	7,182.0	25.0	12.5	90.00	-153.7	1,658.4	573.9	547.4	26.49	21.664		
8,000.0	7,177.0	7,182.0	7,182.0	25.3	12.5	90.00	-153.7	1,658.4	625.3	598.3	27.03	23.130		
8,100.0	7,177.0	7,182.0	7,182.0	25.7	12.5	90.00	-153.7	1,658.4	687.5	659.7	27.76	24.764		
8,200.0	7,177.0	7,182.0	7,182.0	26.2	12.5	90.00	-153.7	1,658.4	757.8	729.1	28.64	26.453		
8,300.0	7,177.0	7,182.0	7,182.0	26.8	12.5	90.00	-153.7	1,658.4	834.1	804.5	29.66	28.120		
8,400.0	7,177.0	7,182.0	7,182.0	27.5	12.5	90.00	-153.7	1,658.4	915.1	884.3	30.79	29.716		
8,500.0	7,177.0	7,182.0	7,182.0	28.3	12.5	90.00	-153.7	1,658.4	999.5	967.5	32.02	31.217		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Davis 2-4-9 (Existing) - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program: 123-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	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)				
0.0	0.0	0.0	0.0	0.0	0.0	180.00	-43.7	0.0	44.0					
100.0	100.0	95.0	95.0	0.2	0.2	-179.50	-43.7	-0.4	43.7	43.4	0.30	143.784		
200.0	200.0	194.6	194.6	0.3	0.3	-178.54	-44.1	-1.1	44.1	43.5	0.65	68.035		
300.0	300.0	294.3	294.3	0.5	0.5	-178.39	-45.3	-1.3	45.3	44.3	1.00	45.449		
400.0	400.0	394.2	394.2	0.7	0.7	-178.55	-46.9	-1.2	47.0	45.6	1.35	34.836		
500.0	500.0	494.6	494.6	0.8	0.9	-179.99	-48.3	0.0	48.3	46.6	1.70	28.392		
600.0	600.0	594.9	594.8	1.0	1.0	177.83	-48.8	1.9	48.9	46.8	2.05	23.840		
695.5	695.5	690.6	690.5	1.2	1.2	176.66	-48.8	2.8	48.9	46.5	2.38	20.496		
700.0	700.0	695.0	695.0	1.2	1.2	176.61	-48.8	2.9	48.9	46.5	2.40	20.362		
800.0	800.0	794.5	794.4	1.4	1.4	175.20	-49.4	4.1	49.6	46.8	2.75	18.032		
900.0	900.0	893.8	893.7	1.5	1.6	173.14	-50.9	6.1	51.3	48.1	3.10	16.513		
1,000.0	1,000.0	992.4	992.1	1.7	1.7	168.75	-54.0	10.7	55.1	51.7	3.47	15.897		
1,100.0	1,100.0	1,090.3	1,089.5	1.9	2.0	162.60	-59.0	18.5	62.0	58.2	3.85	16.096		
1,200.0	1,200.0	1,187.8	1,186.2	2.1	2.2	155.98	-65.8	29.3	72.6	68.3	4.27	17.014		
1,300.0	1,300.0	1,284.1	1,281.3	2.2	2.5	149.84	-73.8	42.9	86.5	81.7	4.71	18.339		
1,400.0	1,400.0	1,378.8	1,374.0	2.4	2.8	144.62	-83.4	59.2	104.5	99.3	5.20	20.095		
1,500.0	1,500.0	1,471.1	1,463.6	2.6	3.2	140.70	-95.1	77.8	126.8	121.1	5.72	22.173		
1,600.0	1,600.0	1,565.1	1,554.1	2.8	3.6	137.45	-108.6	99.7	153.0	146.7	6.28	24.343		
1,700.0	1,700.0	1,661.0	1,646.1	2.9	4.0	134.46	-121.3	123.7	180.0	173.2	6.87	26.216		
1,800.0	1,800.0	1,758.5	1,739.6	3.1	4.5	132.30	-134.3	147.6	207.1	199.6	7.45	27.797		
1,900.0	1,900.0	1,857.9	1,835.5	3.3	5.0	130.86	-147.5	170.6	233.3	225.2	8.03	29.038		
2,000.0	2,000.0	1,955.7	1,930.0	3.5	5.4	129.70	-159.8	192.5	258.5	249.9	8.61	30.032		
2,100.0	2,100.0	2,052.5	2,023.5	3.6	5.9	128.66	-171.5	214.3	283.7	274.5	9.18	30.887		
2,200.0	2,200.0	2,145.7	2,113.5	3.8	6.3	127.74	-182.7	236.0	309.3	299.6	9.76	31.712		
2,300.0	2,300.0	2,239.8	2,204.1	4.0	6.8	127.01	-194.8	258.4	336.1	325.8	10.34	32.505		
2,400.0	2,400.0	2,336.8	2,297.5	4.2	7.3	126.46	-207.9	281.3	363.1	352.2	10.93	33.221		
2,500.0	2,500.0	2,433.8	2,390.8	4.3	7.8	126.06	-221.1	303.7	389.9	378.4	11.53	33.820		
2,600.0	2,600.0	2,530.7	2,484.2	4.5	8.2	125.54	-233.4	326.7	416.5	404.4	12.13	34.347		
2,700.0	2,700.0	2,623.8	2,573.8	4.7	8.7	125.00	-244.6	349.5	443.5	430.8	12.72	34.869		
2,800.0	2,800.0	2,715.4	2,661.7	4.9	9.2	124.53	-256.3	372.4	471.3	458.0	13.31	35.410		
2,900.0	2,900.0	2,806.8	2,749.2	5.0	9.7	124.19	-268.8	395.6	500.0	486.1	13.91	35.941		
3,000.0	3,000.0	2,906.8	2,844.9	5.2	10.2	123.88	-282.7	421.1	528.9	514.4	14.55	36.359		
3,100.0	3,100.0	3,005.7	2,939.8	5.4	10.7	123.62	-296.2	445.4	557.0	541.8	15.17	36.728		
3,200.0	3,200.0	3,103.5	3,033.7	5.6	11.3	1.07	-309.8	469.0	582.2	571.3	10.99	52.972		
3,300.0	3,299.6	3,199.0	3,125.5	5.7	11.7	0.90	-322.9	492.0	602.2	590.9	11.34	53.128		
3,400.0	3,398.8	3,294.0	3,216.7	5.9	12.3	0.73	-336.0	515.4	617.6	606.0	11.66	52.972		
3,500.0	3,497.1	3,402.4	3,320.7	6.2	12.8	0.56	-350.8	542.0	627.8	615.8	11.99	52.362		
3,600.0	3,594.3	3,507.7	3,422.2	6.4	13.4	0.40	-364.4	566.6	631.1	618.8	12.29	51.345		
3,700.0	3,690.2	3,600.8	3,511.8	6.7	13.8	0.30	-376.9	588.5	629.7	617.2	12.55	50.164		
3,800.0	3,784.5	3,697.5	3,604.6	7.1	14.3	0.16	-390.1	612.0	624.2	611.4	12.84	48.618		
3,900.0	3,878.6	3,797.8	3,701.0	7.5	14.9	0.07	-404.3	636.3	617.9	604.7	13.20	46.821		
4,000.0	3,972.6	3,895.9	3,795.1	7.9	15.4	-0.04	-417.9	660.1	611.3	597.8	13.55	45.121		
4,100.0	4,066.6	3,988.5	3,883.8	8.4	15.9	-0.15	-431.2	683.2	605.8	591.9	13.89	43.612		
4,200.0	4,160.6	4,084.6	3,975.5	8.9	16.4	-0.21	-446.0	707.7	601.2	587.0	14.24	42.220		
4,300.0	4,254.6	4,186.7	4,073.0	9.4	17.0	-0.35	-461.2	734.2	596.8	582.2	14.60	40.878		
4,400.0	4,348.6	4,293.5	4,175.1	9.9	17.6	-0.60	-475.5	761.8	591.5	576.6	14.97	39.521		
4,500.0	4,442.6	4,394.0	4,271.5	10.4	18.1	-0.93	-487.9	787.5	585.4	570.1	15.32	38.209		
4,600.0	4,536.6	4,491.0	4,364.4	11.0	18.7	-1.23	-500.3	812.5	579.6	564.0	15.67	36.994		
4,700.0	4,630.7	4,595.7	4,464.7	11.5	19.2	-1.52	-514.0	839.2	573.9	557.9	16.03	35.803		
4,800.0	4,724.7	4,703.9	4,568.7	12.1	19.7	-1.79	-527.7	865.5	566.9	550.5	16.40	34.568		
4,900.0	4,818.7	4,831.0	4,692.0	12.7	20.2	-2.09	-542.1	892.9	556.7	539.9	16.80	33.139		
5,000.0	4,912.7	4,957.8	4,816.4	13.2	20.6	-2.44	-553.1	914.9	541.5	524.3	17.20	31.482		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Davis 2-4-9 (Existing) - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program: 123-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
5,100.0	5,006.7	5,076.5	4,933.8	13.8	20.9	-2.80	-560.6	930.9	521.7	504.1	17.59	29.663		
5,200.0	5,100.7	5,187.8	5,044.3	14.4	21.2	-3.19	-565.7	942.8	498.8	480.8	17.96	27.767		
5,300.0	5,194.7	5,293.1	5,149.1	15.0	21.3	-3.59	-569.5	952.0	473.8	455.5	18.33	25.843		
5,400.0	5,288.7	5,397.3	5,253.1	15.6	21.5	-4.01	-572.6	959.5	447.2	428.4	18.70	23.906		
5,500.0	5,382.7	5,500.6	5,356.1	16.2	21.6	-4.46	-575.0	965.3	418.9	399.8	19.08	21.955		
5,600.0	5,476.8	5,601.6	5,457.0	16.8	21.8	-4.95	-576.6	969.4	389.0	369.6	19.45	19.998		
5,700.0	5,570.8	5,700.3	5,555.7	17.4	21.9	-5.50	-577.8	972.5	358.2	338.4	19.84	18.059		
5,800.0	5,664.8	5,798.6	5,653.9	18.0	22.0	-6.10	-578.9	974.5	326.5	306.2	20.23	16.140		
5,900.0	5,758.8	5,894.7	5,750.0	18.6	22.1	-6.74	-579.8	975.6	293.9	273.3	20.63	14.247		
6,000.0	5,852.8	5,989.4	5,844.7	19.2	22.1	-7.58	-580.5	976.6	261.2	240.2	21.06	12.405		
6,100.0	5,946.8	6,084.0	5,939.3	19.9	22.2	-8.71	-580.9	977.6	228.5	207.0	21.54	10.610		
6,200.0	6,040.8	6,178.5	6,033.8	20.5	22.3	-10.30	-581.1	978.6	195.9	173.8	22.12	8.857		
6,300.0	6,134.8	6,272.9	6,128.2	21.1	22.4	-12.59	-581.1	979.6	163.4	140.5	22.88	7.140		
6,400.0	6,228.9	6,367.1	6,222.4	21.7	22.5	-16.11	-580.8	980.7	131.2	107.1	24.05	5.454		
6,500.0	6,322.9	6,459.9	6,315.2	22.3	22.6	-21.78	-580.6	982.6	100.5	74.4	26.09	3.853		
6,600.0	6,416.9	6,556.3	6,411.5	23.0	22.7	-31.79	-581.3	984.1	71.2	41.0	30.19	2.358		
6,700.0	6,510.9	6,651.0	6,506.2	23.6	22.8	-53.61	-582.1	984.0	44.8	5.6	39.16	1.144 Level 2		
6,789.8	6,595.6	6,735.4	6,590.7	24.1	22.8	-90.58	-582.0	983.0	33.7	-13.2	46.90	0.718 Level 1, CC, ES, SF		
6,800.0	6,605.0	6,744.8	6,600.0	24.2	22.8	-96.28	-582.0	982.9	35.2	-11.4	46.55	0.755 Level 1		
6,900.0	6,700.3	6,839.6	6,694.8	24.7	22.9	-106.58	-581.7	981.1	42.8	9.0	33.81	1.266 Level 3		
7,000.0	6,794.8	6,933.8	6,789.0	25.0	23.0	-112.37	-581.7	979.3	55.2	30.9	24.36	2.268		
7,100.0	6,885.1	7,023.7	6,878.9	25.2	23.0	-124.46	-582.0	977.8	78.9	48.7	30.27	2.608		
7,200.0	6,967.9	7,106.9	6,962.1	25.2	23.1	-134.07	-582.2	976.9	119.8	85.3	34.53	3.469		
7,300.0	7,040.0	7,179.7	7,034.9	25.2	23.2	-138.34	-582.0	976.5	177.2	143.3	33.94	5.222		
7,400.0	7,098.8	7,239.3	7,094.4	25.1	23.2	-137.63	-581.7	976.2	248.7	217.4	31.31	7.942		
7,500.0	7,142.2	7,283.3	7,138.5	25.0	23.3	-131.16	-581.4	976.1	331.0	302.0	29.00	11.414		
7,600.0	7,168.6	7,310.3	7,165.5	24.9	23.3	-115.95	-581.3	976.1	420.7	392.0	28.73	14.643		
7,700.0	7,177.0	7,319.3	7,174.5	24.9	23.3	-90.84	-581.2	976.1	514.4	485.0	29.34	17.533		
7,800.0	7,177.0	7,319.8	7,175.0	24.9	23.3	-91.01	-581.2	976.1	609.6	580.2	29.46	20.696		
7,900.0	7,177.0	7,320.3	7,175.5	25.0	23.3	-91.18	-581.2	976.1	706.2	676.4	29.80	23.700		
8,000.0	7,177.0	7,320.8	7,176.0	25.3	23.3	-91.35	-581.2	976.1	803.7	773.3	30.35	26.483		
8,100.0	7,177.0	7,321.3	7,176.5	25.7	23.3	-91.52	-581.2	976.1	901.7	870.6	31.08	29.015		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Davis 2A-9H - HZ - Plan #2													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 (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)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-89.98	0.0	-25.2	25.2					
100.0	100.0	100.0	100.0	0.2	0.2	-89.98	0.0	-25.2	25.2	24.9	0.30	82.838		
200.0	200.0	200.0	200.0	0.3	0.3	-89.98	0.0	-25.2	25.2	24.5	0.65	38.539		
300.0	300.0	300.0	300.0	0.5	0.5	-89.98	0.0	-25.2	25.2	24.2	1.00	25.111		
400.0	400.0	400.0	400.0	0.7	0.7	-89.98	0.0	-25.2	25.2	23.8	1.35	18.622		
500.0	500.0	500.0	500.0	0.8	0.8	-89.98	0.0	-25.2	25.2	23.5	1.70	14.799		
600.0	600.0	600.0	600.0	1.0	1.0	-89.98	0.0	-25.2	25.2	23.1	2.05	12.277		
700.0	700.0	700.0	700.0	1.2	1.2	-89.98	0.0	-25.2	25.2	22.8	2.40	10.490		
800.0	800.0	800.0	800.0	1.4	1.4	-89.98	0.0	-25.2	25.2	22.4	2.75	9.157		
900.0	900.0	900.0	900.0	1.5	1.5	-89.98	0.0	-25.2	25.2	22.1	3.10	8.125		
1,000.0	1,000.0	1,000.0	1,000.0	1.7	1.7	-89.98	0.0	-25.2	25.2	21.7	3.45	7.302		
1,100.0	1,100.0	1,100.0	1,100.0	1.9	1.9	-89.98	0.0	-25.2	25.2	21.4	3.79	6.630		
1,200.0	1,200.0	1,200.0	1,200.0	2.1	2.1	-89.98	0.0	-25.2	25.2	21.0	4.14	6.072		
1,300.0	1,300.0	1,300.0	1,300.0	2.2	2.2	-89.98	0.0	-25.2	25.2	20.7	4.49	5.600		
1,400.0	1,400.0	1,400.0	1,400.0	2.4	2.4	-89.98	0.0	-25.2	25.2	20.3	4.84	5.196		
1,500.0	1,500.0	1,500.0	1,500.0	2.6	2.6	-89.98	0.0	-25.2	25.2	20.0	5.19	4.847		
1,600.0	1,600.0	1,600.0	1,600.0	2.8	2.8	-89.98	0.0	-25.2	25.2	19.6	5.54	4.541		
1,700.0	1,700.0	1,700.0	1,700.0	2.9	2.9	-89.98	0.0	-25.2	25.2	19.3	5.89	4.272		
1,800.0	1,800.0	1,800.0	1,800.0	3.1	3.1	-89.98	0.0	-25.2	25.2	18.9	6.24	4.033		
1,900.0	1,900.0	1,900.0	1,900.0	3.3	3.3	-89.98	0.0	-25.2	25.2	18.6	6.59	3.819		
2,000.0	2,000.0	2,000.0	2,000.0	3.5	3.5	-89.98	0.0	-25.2	25.2	18.2	6.94	3.627		
2,100.0	2,100.0	2,100.0	2,100.0	3.6	3.6	-89.98	0.0	-25.2	25.2	17.9	7.29	3.453		
2,200.0	2,200.0	2,200.0	2,200.0	3.8	3.8	-89.98	0.0	-25.2	25.2	17.5	7.63	3.295		
2,300.0	2,300.0	2,300.0	2,300.0	4.0	4.0	-89.98	0.0	-25.2	25.2	17.2	7.98	3.151		
2,400.0	2,400.0	2,400.0	2,400.0	4.2	4.2	-89.98	0.0	-25.2	25.2	16.8	8.33	3.019		
2,500.0	2,500.0	2,500.0	2,500.0	4.3	4.3	-89.98	0.0	-25.2	25.2	16.5	8.68	2.898		
2,600.0	2,600.0	2,600.0	2,600.0	4.5	4.5	-89.98	0.0	-25.2	25.2	16.1	9.03	2.786		
2,700.0	2,700.0	2,700.0	2,700.0	4.7	4.7	-89.98	0.0	-25.2	25.2	15.8	9.38	2.682		
2,800.0	2,800.0	2,800.0	2,800.0	4.9	4.9	-89.98	0.0	-25.2	25.2	15.4	9.73	2.586		
2,900.0	2,900.0	2,900.0	2,900.0	5.0	5.0	-89.98	0.0	-25.2	25.2	15.1	10.08	2.496		
3,000.0	3,000.0	3,000.0	3,000.0	5.2	5.2	-89.98	0.0	-25.2	25.2	14.7	10.43	2.413		
3,100.0	3,100.0	3,100.0	3,100.0	5.4	5.4	-89.98	0.0	-25.2	25.2	14.4	10.78	2.335 CC, ES, SF		
3,200.0	3,200.0	3,200.0	3,200.0	5.6	5.6	150.55	0.0	-25.2	27.4	16.3	11.12	2.465		
3,300.0	3,299.6	3,299.6	3,299.6	5.7	5.7	156.89	0.0	-25.2	34.5	23.0	11.44	3.012		
3,400.0	3,398.8	3,398.8	3,398.8	5.9	5.9	163.07	0.0	-25.2	46.7	35.0	11.74	3.983		
3,500.0	3,497.1	3,497.1	3,497.1	6.2	6.1	167.68	0.0	-25.2	64.4	52.4	12.01	5.364		
3,600.0	3,594.3	3,594.3	3,594.3	6.4	6.3	170.83	0.0	-25.2	87.4	75.1	12.25	7.130		
3,700.0	3,690.2	3,690.2	3,690.2	6.7	6.4	172.97	0.0	-25.2	115.5	103.0	12.48	9.259		
3,800.0	3,784.5	3,784.5	3,784.5	7.1	6.6	174.47	0.0	-25.2	148.4	135.7	12.72	11.664		
3,900.0	3,878.6	3,878.6	3,878.6	7.5	6.7	175.50	0.0	-25.2	182.4	169.3	13.06	13.964		
4,000.0	3,972.6	3,972.6	3,972.6	7.9	6.9	176.21	0.0	-25.2	216.4	203.0	13.40	16.151		
4,100.0	4,066.6	4,066.6	4,066.6	8.4	7.1	176.72	0.0	-25.2	250.4	236.7	13.74	18.231		
4,200.0	4,160.6	4,160.6	4,160.6	8.9	7.2	177.11	0.0	-25.2	284.4	270.4	14.07	20.213		
4,300.0	4,254.6	4,254.6	4,254.6	9.4	7.4	177.42	0.0	-25.2	318.5	304.1	14.41	22.103		
4,400.0	4,348.6	4,362.6	4,362.6	9.9	7.6	177.39	-2.6	-24.3	350.8	336.0	14.77	23.745		
4,500.0	4,442.6	4,474.2	4,473.8	10.4	7.8	176.69	-11.4	-21.5	379.0	363.9	15.15	25.019		
4,600.0	4,536.6	4,587.9	4,586.3	11.0	8.0	175.42	-26.7	-16.5	403.2	387.6	15.55	25.933		
4,700.0	4,630.7	4,703.0	4,699.1	11.5	8.3	173.63	-48.7	-9.5	423.4	407.4	15.98	26.494		
4,800.0	4,724.7	4,818.7	4,810.7	12.1	8.6	171.36	-77.2	-0.3	439.8	423.3	16.47	26.701		
4,900.0	4,818.7	4,923.8	4,910.7	12.7	8.9	168.96	-107.9	9.6	453.4	436.4	17.00	26.667		
5,000.0	4,912.7	5,021.2	5,003.3	13.2	9.2	166.81	-136.9	18.9	467.4	449.9	17.56	26.613		
5,100.0	5,006.7	5,118.7	5,095.9	13.8	9.5	164.79	-166.0	28.3	482.0	463.9	18.17	26.524		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													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 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)	Total Uncertainty Axis	Separation Factor			
5,200.0	5,100.7	5,216.2	5,188.5	14.4	9.9	162.89	-195.0	37.6	497.2	478.4	18.83	26.403			
5,300.0	5,194.7	5,313.7	5,281.1	15.0	10.2	161.10	-224.0	47.0	512.9	493.4	19.54	26.255			
5,400.0	5,288.7	5,411.2	5,373.7	15.6	10.6	159.41	-253.0	56.3	529.1	508.8	20.28	26.084			
5,500.0	5,382.7	5,508.7	5,466.3	16.2	11.0	157.82	-282.0	65.7	545.7	524.6	21.07	25.897			
5,600.0	5,476.8	5,606.2	5,558.9	16.8	11.4	156.33	-311.0	75.0	562.7	540.8	21.90	25.698			
5,700.0	5,570.8	5,703.7	5,651.5	17.4	11.9	154.92	-340.0	84.3	580.0	557.3	22.75	25.492			
5,800.0	5,664.8	5,801.2	5,744.1	18.0	12.3	153.59	-369.1	93.7	597.7	574.1	23.64	25.283			
5,900.0	5,758.8	5,898.6	5,836.8	18.6	12.8	152.34	-398.1	103.0	615.7	591.1	24.55	25.074			
6,000.0	5,852.8	5,996.1	5,929.4	19.2	13.2	151.16	-427.1	112.4	633.9	608.4	25.49	24.867			
6,100.0	5,946.8	6,093.6	6,022.0	19.9	13.7	150.05	-456.1	121.7	652.4	626.0	26.45	24.664			
6,200.0	6,040.8	6,191.1	6,114.6	20.5	14.2	148.99	-485.1	131.0	671.1	643.7	27.43	24.468			
6,300.0	6,134.8	6,288.6	6,207.2	21.1	14.6	147.99	-514.1	140.4	690.1	661.6	28.42	24.278			
6,400.0	6,228.9	6,386.1	6,299.8	21.7	15.1	147.05	-543.1	149.7	709.2	679.8	29.43	24.095			
6,500.0	6,322.9	6,483.6	6,392.4	22.3	15.6	146.15	-572.1	159.1	728.5	698.1	30.46	23.920			
6,600.0	6,416.9	6,581.1	6,485.0	23.0	16.1	145.30	-601.2	168.4	748.0	716.5	31.49	23.754			
6,700.0	6,510.9	6,683.7	6,584.3	23.6	16.5	145.03	-624.3	178.4	767.3	735.0	32.28	23.769			
6,800.0	6,605.0	6,784.8	6,684.7	24.2	16.6	151.49	-627.7	188.6	786.1	753.8	32.36	24.297			
6,900.0	6,700.3	6,881.2	6,779.2	24.7	16.6	-171.00	-612.7	198.1	805.6	774.1	31.44	25.619			
7,000.0	6,794.8	6,974.3	6,866.5	25.0	16.3	-138.24	-581.9	206.9	825.3	794.9	30.36	27.185			
7,100.0	6,885.1	7,064.8	6,944.8	25.2	16.0	-118.76	-537.4	214.8	844.4	815.1	29.30	28.823			
7,200.0	6,967.9	7,153.3	7,012.9	25.2	15.6	-107.26	-481.4	221.7	862.2	833.8	28.39	30.375			
7,300.0	7,040.0	7,240.3	7,069.7	25.2	15.1	-99.94	-415.8	227.4	877.9	850.2	27.67	31.724			
7,400.0	7,098.8	7,326.2	7,114.3	25.1	14.7	-95.09	-342.7	231.9	890.8	863.6	27.16	32.791			
7,500.0	7,142.2	7,411.3	7,146.2	25.0	14.4	-91.95	-264.0	235.1	900.4	873.5	26.85	33.533			
7,600.0	7,168.6	7,495.9	7,164.8	24.9	14.2	-90.16	-181.6	237.0	906.3	879.5	26.73	33.905			
7,700.0	7,177.0	7,582.0	7,170.0	24.9	14.1	-89.56	-95.7	237.5	908.2	881.4	26.80	33.888			
7,800.0	7,177.0	7,682.0	7,170.0	24.9	14.2	-89.56	4.3	237.5	908.2	881.2	27.04	33.586			
7,900.0	7,177.0	7,782.0	7,170.0	25.0	14.5	-89.56	104.3	237.5	908.2	880.5	27.71	32.772			
8,000.0	7,177.0	7,882.0	7,170.0	25.3	15.0	-89.56	204.3	237.5	908.2	879.4	28.80	31.537			
8,100.0	7,177.0	7,982.0	7,170.0	25.7	15.7	-89.56	304.3	237.5	908.2	878.0	30.25	30.019			
8,200.0	7,177.0	8,082.0	7,170.0	26.2	16.6	-89.56	404.3	237.5	908.2	876.2	32.03	28.356			
8,300.0	7,177.0	8,182.0	7,170.0	26.8	17.6	-89.56	504.3	237.5	908.2	874.1	34.07	26.654			
8,400.0	7,177.0	8,282.0	7,170.0	27.5	18.7	-89.56	604.3	237.5	908.2	871.9	36.34	24.990			
8,500.0	7,177.0	8,382.0	7,170.0	28.3	19.9	-89.56	704.3	237.5	908.2	869.4	38.80	23.409			
8,600.0	7,177.0	8,482.0	7,170.0	29.1	21.1	-89.56	804.3	237.5	908.2	866.8	41.40	21.935			
8,700.0	7,177.0	8,582.0	7,170.0	30.1	22.5	-89.56	904.3	237.5	908.2	864.1	44.14	20.578			
8,800.0	7,177.0	8,682.0	7,170.0	31.1	23.9	-89.56	1,004.3	237.5	908.2	861.2	46.97	19.336			
8,900.0	7,177.0	8,782.0	7,170.0	32.2	25.3	-89.56	1,104.3	237.5	908.2	858.3	49.89	18.204			
9,000.0	7,177.0	8,882.0	7,170.0	33.4	26.8	-89.56	1,204.3	237.5	908.2	855.3	52.88	17.174			
9,100.0	7,177.0	8,982.0	7,170.0	34.6	28.3	-89.56	1,304.3	237.5	908.2	852.3	55.94	16.237			
9,200.0	7,177.0	9,082.0	7,170.0	35.8	29.8	-89.56	1,404.3	237.5	908.2	849.2	59.04	15.384			
9,300.0	7,177.0	9,182.0	7,170.0	37.1	31.4	-89.56	1,504.3	237.5	908.2	846.0	62.18	14.605			
9,400.0	7,177.0	9,282.0	7,170.0	38.5	32.9	-89.56	1,604.3	237.5	908.2	842.9	65.37	13.894			
9,500.0	7,177.0	9,382.0	7,170.0	39.8	34.5	-89.56	1,704.3	237.5	908.2	839.6	68.58	13.243			
9,600.0	7,177.0	9,482.0	7,170.0	41.2	36.1	-89.56	1,804.3	237.5	908.2	836.4	71.82	12.645			
9,700.0	7,177.0	9,582.0	7,170.0	42.7	37.8	-89.56	1,904.3	237.5	908.2	833.1	75.09	12.095			
9,800.0	7,177.0	9,682.0	7,170.0	44.1	39.4	-89.56	2,004.3	237.5	908.2	829.8	78.38	11.588			
9,900.0	7,177.0	9,782.0	7,170.0	45.6	41.0	-89.56	2,104.3	237.5	908.2	826.5	81.68	11.119			
10,000.0	7,177.0	9,882.0	7,170.0	47.1	42.7	-89.56	2,204.3	237.5	908.2	823.2	85.00	10.685			
10,100.0	7,177.0	9,982.0	7,170.0	48.6	44.4	-89.56	2,304.3	237.5	908.2	819.9	88.34	10.281			
10,200.0	7,177.0	10,082.0	7,170.0	50.1	46.0	-89.56	2,404.3	237.5	908.2	816.5	91.69	9.906			
10,300.0	7,177.0	10,182.0	7,170.0	51.7	47.7	-89.56	2,504.3	237.5	908.2	813.2	95.05	9.555			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Davis 2A-9H - HZ - Plan #2												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	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)			
10,400.0	7,177.0	10,282.0	7,170.0	53.2	49.4	-89.56	2,604.3	237.5	908.2	809.8	98.42	9.228	
10,500.0	7,177.0	10,382.0	7,170.0	54.8	51.1	-89.56	2,704.3	237.5	908.2	806.4	101.80	8.922	
10,600.0	7,177.0	10,482.0	7,170.0	56.4	52.7	-89.56	2,804.3	237.5	908.2	803.0	105.19	8.634	
10,700.0	7,177.0	10,582.0	7,170.0	57.9	54.4	-89.56	2,904.3	237.5	908.2	799.6	108.58	8.364	
10,800.0	7,177.0	10,682.0	7,170.0	59.5	56.1	-89.56	3,004.3	237.5	908.2	796.2	111.99	8.110	
10,900.0	7,177.0	10,782.0	7,170.0	61.2	57.8	-89.56	3,104.3	237.5	908.2	792.8	115.39	7.871	
11,000.0	7,177.0	10,882.0	7,170.0	62.8	59.5	-89.56	3,204.3	237.5	908.2	789.4	118.81	7.644	
11,100.0	7,177.0	10,982.0	7,170.0	64.4	61.2	-89.56	3,304.3	237.5	908.2	786.0	122.23	7.430	
11,200.0	7,177.0	11,082.0	7,170.0	66.0	63.0	-89.56	3,404.3	237.5	908.2	782.6	125.65	7.228	
11,300.0	7,177.0	11,182.0	7,170.0	67.7	64.7	-89.56	3,504.3	237.5	908.2	779.1	129.08	7.036	
11,400.0	7,177.0	11,282.0	7,170.0	69.3	66.4	-89.56	3,604.3	237.5	908.2	775.7	132.52	6.854	
11,500.0	7,177.0	11,382.0	7,170.0	70.9	68.1	-89.56	3,704.3	237.5	908.2	772.3	135.95	6.680	
11,600.0	7,177.0	11,482.0	7,170.0	72.6	69.8	-89.56	3,804.3	237.5	908.2	768.8	139.40	6.515	
11,700.0	7,177.0	11,582.0	7,170.0	74.2	71.5	-89.56	3,904.3	237.5	908.2	765.4	142.84	6.358	
11,800.0	7,177.0	11,682.0	7,170.0	75.9	73.2	-89.56	4,004.3	237.5	908.2	761.9	146.29	6.208	
11,900.0	7,177.0	11,782.0	7,170.0	77.6	75.0	-89.56	4,104.3	237.5	908.2	758.5	149.74	6.065	
12,000.0	7,177.0	11,882.0	7,170.0	79.2	76.7	-89.56	4,204.3	237.5	908.2	755.0	153.19	5.929	
12,100.0	7,177.0	11,982.0	7,170.0	80.9	78.4	-89.56	4,304.3	237.5	908.2	751.6	156.64	5.798	
12,200.0	7,177.0	12,082.0	7,170.0	82.6	80.1	-89.56	4,404.3	237.5	908.2	748.1	160.10	5.673	
12,300.0	7,177.0	12,182.0	7,170.0	84.3	81.9	-89.56	4,504.3	237.5	908.2	744.7	163.56	5.553	
12,400.0	7,177.0	12,282.0	7,170.0	85.9	83.6	-89.56	4,604.3	237.5	908.2	741.2	167.02	5.438	
12,500.0	7,177.0	12,382.0	7,170.0	87.6	85.3	-89.56	4,704.3	237.5	908.2	737.7	170.49	5.327	
12,600.0	7,177.0	12,482.0	7,170.0	89.3	87.1	-89.56	4,804.3	237.5	908.2	734.3	173.95	5.221	
12,700.0	7,177.0	12,582.0	7,170.0	91.0	88.8	-89.56	4,904.3	237.5	908.2	730.8	177.42	5.119	
12,800.0	7,177.0	12,682.0	7,170.0	92.7	90.5	-89.56	5,004.3	237.5	908.2	727.3	180.89	5.021	
12,900.0	7,177.0	12,782.0	7,170.0	94.4	92.3	-89.56	5,104.3	237.5	908.2	723.9	184.36	4.926	
13,000.0	7,177.0	12,882.0	7,170.0	96.1	94.0	-89.56	5,204.3	237.5	908.2	720.4	187.83	4.835	
13,100.0	7,177.0	12,982.0	7,170.0	97.8	95.7	-89.56	5,304.3	237.5	908.2	716.9	191.30	4.748	
13,200.0	7,177.0	13,082.0	7,170.0	99.5	97.5	-89.56	5,404.3	237.5	908.2	713.4	194.77	4.663	
13,300.0	7,177.0	13,182.0	7,170.0	101.2	99.2	-89.56	5,504.3	237.5	908.2	710.0	198.25	4.581	
13,400.0	7,177.0	13,282.0	7,170.0	102.9	100.9	-89.56	5,604.3	237.5	908.2	706.5	201.73	4.502	
13,500.0	7,177.0	13,382.0	7,170.0	104.6	102.7	-89.56	5,704.3	237.5	908.2	703.0	205.20	4.426	
13,600.0	7,177.0	13,482.0	7,170.0	106.3	104.4	-89.56	5,804.3	237.5	908.2	699.5	208.68	4.352	
13,700.0	7,177.0	13,582.0	7,170.0	108.0	106.1	-89.56	5,904.3	237.5	908.2	696.1	212.16	4.281	
13,800.0	7,177.0	13,682.0	7,170.0	109.7	107.9	-89.56	6,004.3	237.5	908.2	692.6	215.64	4.212	
13,900.0	7,177.0	13,782.0	7,170.0	111.4	109.6	-89.56	6,104.3	237.5	908.2	689.1	219.12	4.145	
14,000.0	7,177.0	13,882.0	7,170.0	113.1	111.4	-89.56	6,204.3	237.5	908.2	685.6	222.60	4.080	
14,100.0	7,177.0	13,982.0	7,170.0	114.9	113.1	-89.56	6,304.3	237.5	908.2	682.1	226.09	4.017	
14,116.9	7,177.0	13,998.9	7,170.0	115.2	113.4	-89.56	6,321.2	237.5	908.2	681.5	226.68	4.007	
14,200.0	7,177.0	14,019.9	7,170.0	116.6	113.8	-89.56	6,342.2	237.5	910.3	681.9	228.49	3.984	
14,300.0	7,177.0	14,019.9	7,170.0	118.3	113.8	-89.56	6,342.2	237.5	922.6	692.3	230.23	4.007	
14,400.0	7,177.0	14,019.9	7,170.0	120.0	113.8	-89.56	6,342.2	237.5	945.3	713.3	231.97	4.075	
14,500.0	7,177.0	14,019.9	7,170.0	121.7	113.8	-89.56	6,342.2	237.5	977.8	744.0	233.72	4.184	
14,545.9	7,177.0	14,019.9	7,170.0	122.5	113.8	-89.56	6,342.2	237.5	995.7	761.1	234.52	4.246	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Davis 4-2-9 (Existing) - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program: 122-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	165.65	-43.7	11.2	45.4					
100.0	100.0	94.3	94.2	0.2	0.2	166.21	-44.6	10.9	45.9	45.6	0.30	151.018		
200.0	200.0	193.5	193.5	0.3	0.3	167.07	-47.1	10.8	48.3	47.7	0.65	74.032		
300.0	300.0	292.6	292.5	0.5	0.5	165.60	-50.6	13.0	52.3	51.3	1.02	51.421		
400.0	400.0	391.6	391.2	0.7	0.7	161.07	-54.7	18.8	58.0	56.6	1.40	41.279		
500.0	500.0	492.2	491.3	0.8	1.0	153.64	-57.3	28.4	64.1	62.3	1.81	35.392		
600.0	600.0	592.4	590.7	1.0	1.2	144.09	-56.5	40.9	69.9	67.6	2.24	31.212		
700.0	700.0	691.0	688.0	1.2	1.5	132.89	-52.3	56.3	77.1	74.4	2.72	28.391		
800.0	800.0	786.5	781.4	1.4	1.9	121.63	-46.3	75.2	89.4	86.1	3.26	27.451		
900.0	900.0	883.1	875.3	1.5	2.3	111.97	-39.1	96.9	106.4	102.6	3.83	27.780		
1,000.0	1,000.0	977.5	966.6	1.7	2.7	104.59	-31.1	119.6	126.8	122.4	4.43	28.612		
1,100.0	1,100.0	1,069.3	1,054.5	1.9	3.2	98.62	-21.9	144.3	151.5	146.4	5.07	29.897		
1,200.0	1,200.0	1,160.6	1,141.1	2.1	3.8	93.79	-11.3	171.2	179.8	174.1	5.73	31.379		
1,300.0	1,300.0	1,247.0	1,222.0	2.2	4.3	89.99	0.0	199.1	212.1	205.7	6.42	33.041		
1,400.0	1,400.0	1,329.5	1,298.0	2.4	5.0	86.89	12.5	228.8	248.8	241.7	7.14	34.829		
1,500.0	1,500.0	1,413.8	1,374.4	2.6	5.6	84.20	26.6	261.6	289.3	281.4	7.91	36.579		
1,600.0	1,600.0	1,495.7	1,447.7	2.8	6.3	82.03	41.3	295.0	332.3	323.6	8.69	38.253		
1,700.0	1,700.0	1,580.1	1,522.4	2.9	7.1	80.27	56.8	331.0	377.6	368.1	9.50	39.766		
1,800.0	1,800.0	1,667.8	1,599.9	3.1	7.9	78.88	72.5	368.8	423.5	413.2	10.33	40.995		
1,900.0	1,900.0	1,755.3	1,677.3	3.3	8.7	77.82	87.8	406.8	469.7	458.5	11.17	42.066		
2,000.0	2,000.0	1,842.8	1,754.6	3.5	9.4	77.00	102.7	445.1	516.2	504.2	12.00	43.004		
2,100.0	2,100.0	1,930.2	1,831.8	3.6	10.2	76.37	117.2	483.5	562.8	550.0	12.84	43.828		
2,200.0	2,200.0	2,018.2	1,909.4	3.8	11.0	75.88	131.4	522.4	609.7	596.0	13.69	44.543		
2,300.0	2,300.0	2,109.6	1,990.1	4.0	11.8	75.51	145.4	562.7	656.3	641.8	14.55	45.102		
2,400.0	2,400.0	2,202.7	2,072.7	4.2	12.6	75.20	159.4	603.5	702.5	687.1	15.39	45.638		
2,500.0	2,500.0	2,296.4	2,156.0	4.3	13.4	74.93	173.4	644.0	748.1	731.9	16.24	46.071		
2,600.0	2,600.0	2,390.8	2,240.3	4.5	14.2	74.69	187.3	684.2	793.1	776.0	17.09	46.415		
2,700.0	2,700.0	2,485.8	2,325.3	4.7	15.0	74.47	201.2	724.1	837.6	819.6	17.94	46.683		
2,800.0	2,800.0	2,581.7	2,411.5	4.9	15.8	74.27	215.1	763.9	881.4	862.6	18.80	46.882		
2,900.0	2,900.0	2,677.5	2,497.9	5.0	16.6	74.08	229.0	802.9	924.5	904.9	19.65	47.049		
3,000.0	3,000.0	2,759.0	2,571.3	5.2	17.3	73.94	240.8	836.3	967.9	947.5	20.41	47.424		
8,100.0	7,177.0	7,641.2	7,176.9	25.7	42.1	90.32	685.7	2,022.5	956.2	922.1	34.06	28.076		
8,200.0	7,177.0	7,642.0	7,177.7	26.2	42.1	90.37	685.7	2,022.5	920.9	885.9	34.94	26.356		
8,300.0	7,177.0	7,642.8	7,178.5	26.8	42.1	90.43	685.7	2,022.5	895.4	859.4	35.96	24.901		
8,400.0	7,177.0	7,643.7	7,179.3	27.5	42.1	90.48	685.7	2,022.5	880.6	843.5	37.09	23.743		
8,481.4	7,177.0	7,644.3	7,180.0	28.1	42.1	90.52	685.8	2,022.5	876.8	838.7	38.08	23.024		
8,500.0	7,177.0	7,644.5	7,180.1	28.3	42.1	90.53	685.8	2,022.5	877.0	838.7	38.31	22.893		
8,600.0	7,177.0	7,645.3	7,180.9	29.1	42.1	90.58	685.8	2,022.5	884.8	845.2	39.61	22.339		
8,700.0	7,177.0	7,646.1	7,181.8	30.1	42.1	90.64	685.8	2,022.5	903.6	862.7	40.97	22.057		
8,800.0	7,177.0	7,646.9	7,182.6	31.1	42.1	90.69	685.8	2,022.5	932.9	890.5	42.38	22.012 SF		
8,900.0	7,177.0	7,647.7	7,183.4	32.2	42.1	90.74	685.8	2,022.5	971.6	927.8	43.84	22.163		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Davis Gas Unit #2 (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				Total		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	Separation Factor		
4,000.0	3,972.6	3,982.6	3,982.6	7.9	6.9	-84.19	676.5	786.5	998.3	983.4	14.84	67.259		
4,100.0	4,066.6	4,076.6	4,076.6	8.4	7.1	-86.03	676.5	786.5	995.2	979.7	15.47	64.313		
4,200.0	4,160.6	4,170.6	4,170.6	8.9	7.3	-87.87	676.5	786.5	993.2	977.1	16.13	61.588		
4,300.0	4,254.6	4,264.6	4,264.6	9.4	7.4	-89.72	676.5	786.5	992.5	975.7	16.80	59.086		
4,315.2	4,268.9	4,278.9	4,278.9	9.5	7.5	-90.00	676.5	786.5	992.5	975.6	16.90	58.722		
4,400.0	4,348.6	4,358.6	4,358.6	9.9	7.6	-91.57	676.5	786.5	992.9	975.4	17.48	56.804		
4,500.0	4,442.6	4,452.6	4,452.6	10.4	7.8	-93.41	676.5	786.5	994.5	976.3	18.17	54.734		
4,600.0	4,536.6	4,546.6	4,546.6	11.0	7.9	-95.25	676.5	786.5	997.2	978.3	18.86	52.867		
7,600.0	7,168.6	7,178.6	7,178.6	24.9	12.5	-69.74	676.5	786.5	941.7	917.4	24.33	38.706		
7,700.0	7,177.0	7,187.0	7,187.0	24.9	12.5	-90.00	676.5	786.5	851.6	825.6	26.05	32.692		
7,800.0	7,177.0	7,187.0	7,187.0	24.9	12.5	-90.00	676.5	786.5	762.1	735.9	26.16	29.127		
7,900.0	7,177.0	7,187.0	7,187.0	25.0	12.5	-90.00	676.5	786.5	675.6	649.1	26.50	25.491		
8,000.0	7,177.0	7,187.0	7,187.0	25.3	12.5	-90.00	676.5	786.5	593.2	566.2	27.04	21.937		
8,100.0	7,177.0	7,187.0	7,187.0	25.7	12.5	-90.00	676.5	786.5	517.2	489.4	27.77	18.626		
8,200.0	7,177.0	7,187.0	7,187.0	26.2	12.5	-90.00	676.5	786.5	450.6	422.0	28.65	15.727		
8,300.0	7,177.0	7,187.0	7,187.0	26.8	12.5	-90.00	676.5	786.5	398.3	368.6	29.67	13.423		
8,400.0	7,177.0	7,187.0	7,187.0	27.5	12.5	-90.00	676.5	786.5	366.3	335.5	30.80	11.893		
8,472.2	7,177.0	7,187.0	7,187.0	28.0	12.5	-90.00	676.5	786.5	359.2	327.5	31.69	11.335 CC, ES		
8,500.0	7,177.0	7,187.0	7,187.0	28.3	12.5	-90.00	676.5	786.5	360.2	328.2	32.03	11.248 SF		
8,600.0	7,177.0	7,187.0	7,187.0	29.1	12.5	-90.00	676.5	786.5	381.2	347.9	33.33	11.440		
8,700.0	7,177.0	7,187.0	7,187.0	30.1	12.5	-90.00	676.5	786.5	425.3	390.7	34.69	12.262		
8,800.0	7,177.0	7,187.0	7,187.0	31.1	12.5	-90.00	676.5	786.5	486.3	450.2	36.10	13.470		
8,900.0	7,177.0	7,187.0	7,187.0	32.2	12.5	-90.00	676.5	786.5	558.6	521.1	37.56	14.873		
9,000.0	7,177.0	7,187.0	7,187.0	33.4	12.5	-90.00	676.5	786.5	638.4	599.4	39.05	16.349		
9,100.0	7,177.0	7,187.0	7,187.0	34.6	12.5	-90.00	676.5	786.5	723.3	682.7	40.58	17.826		
9,200.0	7,177.0	7,187.0	7,187.0	35.8	12.5	-90.00	676.5	786.5	811.6	769.5	42.12	19.268		
9,300.0	7,177.0	7,187.0	7,187.0	37.1	12.5	-90.00	676.5	786.5	902.4	858.7	43.69	20.652		
9,400.0	7,177.0	7,187.0	7,187.0	38.5	12.5	-90.00	676.5	786.5	994.9	949.6	45.28	21.971		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Ione 1 (Existing) - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
9,800.0	7,177.0	7,210.0	7,210.0	44.1	12.6	-90.00	2,980.2	1,051.1	980.5	928.6	51.82	18.920		
9,900.0	7,177.0	7,210.0	7,210.0	45.6	12.6	-90.00	2,980.2	1,051.1	881.0	827.5	53.47	16.475		
10,000.0	7,177.0	7,210.0	7,210.0	47.1	12.6	-90.00	2,980.2	1,051.1	781.6	726.5	55.13	14.178		
10,100.0	7,177.0	7,210.0	7,210.0	48.6	12.6	-90.00	2,980.2	1,051.1	682.5	625.7	56.80	12.016		
10,200.0	7,177.0	7,210.0	7,210.0	50.1	12.6	-90.00	2,980.2	1,051.1	583.6	525.1	58.47	9.981		
10,300.0	7,177.0	7,210.0	7,210.0	51.7	12.6	-90.00	2,980.2	1,051.1	485.2	425.0	60.15	8.066		
10,400.0	7,177.0	7,210.0	7,210.0	53.2	12.6	-90.00	2,980.2	1,051.1	387.6	325.8	61.83	6.268		
10,500.0	7,177.0	7,210.0	7,210.0	54.8	12.6	-90.00	2,980.2	1,051.1	291.6	228.1	63.52	4.591		
10,600.0	7,177.0	7,210.0	7,210.0	56.4	12.6	-90.00	2,980.2	1,051.1	199.7	134.5	65.22	3.062		
10,700.0	7,177.0	7,210.0	7,210.0	57.9	12.6	-90.00	2,980.2	1,051.1	121.3	54.3	66.91	1.812		
10,775.9	7,177.0	7,210.0	7,210.0	59.2	12.6	-90.00	2,980.2	1,051.1	94.6	26.4	68.20	1.387	Level 3, CC, ES, SF	
10,800.0	7,177.0	7,210.0	7,210.0	59.5	12.6	-90.00	2,980.2	1,051.1	97.6	29.0	68.61	1.422	Level 3	
10,900.0	7,177.0	7,210.0	7,210.0	61.2	12.6	-90.00	2,980.2	1,051.1	156.0	85.7	70.32	2.219		
11,000.0	7,177.0	7,210.0	7,210.0	62.8	12.6	-90.00	2,980.2	1,051.1	243.2	171.2	72.03	3.377		
11,100.0	7,177.0	7,210.0	7,210.0	64.4	12.6	-90.00	2,980.2	1,051.1	337.6	263.9	73.73	4.579		
11,200.0	7,177.0	7,210.0	7,210.0	66.0	12.6	-90.00	2,980.2	1,051.1	434.5	359.1	75.45	5.759		
11,300.0	7,177.0	7,210.0	7,210.0	67.7	12.6	-90.00	2,980.2	1,051.1	532.6	455.4	77.16	6.902		
11,400.0	7,177.0	7,210.0	7,210.0	69.3	12.6	-90.00	2,980.2	1,051.1	631.2	552.4	78.88	8.003		
11,500.0	7,177.0	7,210.0	7,210.0	70.9	12.6	-90.00	2,980.2	1,051.1	730.3	649.7	80.59	9.061		
11,600.0	7,177.0	7,210.0	7,210.0	72.6	12.6	-90.00	2,980.2	1,051.1	829.5	747.2	82.31	10.077		
11,700.0	7,177.0	7,210.0	7,210.0	74.2	12.6	-90.00	2,980.2	1,051.1	928.9	844.9	84.04	11.054		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													SWNW S9-T2N-R66W (Davis) - Ione 14-4 (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 (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)	Total Uncertainty Axis	Separation Factor					
10,400.0	7,177.0	7,207.0	7,207.0	53.2	12.6	-90.00	2,643.2	153.7	992.8	930.9	61.83	16.056					
10,438.9	7,177.0	7,207.0	7,207.0	53.8	12.6	-90.00	2,643.2	153.7	992.0	929.5	62.49	15.875 CC, ES					
10,500.0	7,177.0	7,207.0	7,207.0	54.8	12.6	-90.00	2,643.2	153.7	993.9	930.4	63.52	15.647 SF					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Ione 23-4 (Existing) - Existing - Existing												Offset Site Error: 0.0 ft	
Survey Program: 688-MWD												Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						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)	Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
10,900.0	7,177.0	7,352.3	7,229.0	61.2	17.2	94.22	4,003.4	1,213.4	901.7	831.4	70.31	12.824	
11,000.0	7,177.0	7,348.9	7,226.0	62.8	17.2	91.69	4,003.6	1,211.9	802.0	729.8	72.20	11.108	
11,100.0	7,177.0	7,345.8	7,223.1	64.4	17.2	89.23	4,003.7	1,210.6	702.4	628.4	73.97	9.495	
11,200.0	7,177.0	7,342.5	7,220.1	66.0	17.2	86.53	4,003.8	1,209.2	602.9	527.3	75.61	7.974	
11,300.0	7,177.0	7,339.0	7,217.0	67.7	17.1	83.57	4,004.0	1,207.7	503.5	426.5	77.06	6.534	
11,400.0	7,177.0	7,335.4	7,213.7	69.3	17.1	80.33	4,004.1	1,206.1	404.5	326.2	78.26	5.168	
11,500.0	7,177.0	7,331.5	7,210.2	70.9	17.1	76.80	4,004.3	1,204.4	306.0	226.8	79.13	3.867	
11,600.0	7,177.0	7,327.4	7,206.5	72.6	17.1	72.95	4,004.5	1,202.7	208.8	129.2	79.58	2.624	
11,700.0	7,177.0	7,323.1	7,202.6	74.2	17.0	68.79	4,004.7	1,200.8	116.4	36.9	79.50	1.465	Level 3
11,800.0	7,177.0	7,318.5	7,198.5	75.9	17.0	64.40	4,004.9	1,198.8	58.9	-19.9	78.83	0.747	Level 1, ES, SF
11,800.5	7,177.0	7,318.5	7,198.5	75.9	17.0	64.37	4,004.9	1,198.8	58.9	-19.9	78.83	0.747	Level 1, CC
11,900.0	7,177.0	7,313.9	7,194.3	77.6	17.0	59.88	4,005.1	1,196.8	115.5	37.9	77.58	1.489	Level 3
12,000.0	7,177.0	7,309.0	7,190.0	79.2	16.9	55.27	4,005.3	1,194.8	207.8	132.1	75.71	2.744	
12,100.0	7,177.0	7,304.1	7,185.5	80.9	16.9	50.63	4,005.6	1,192.6	304.9	231.6	73.26	4.162	
12,200.0	7,177.0	7,298.9	7,180.9	82.6	16.9	46.03	4,005.8	1,190.4	403.3	333.0	70.28	5.739	
12,300.0	7,177.0	7,293.6	7,176.1	84.3	16.8	41.51	4,006.1	1,188.1	502.3	435.5	66.88	7.511	
12,400.0	7,177.0	7,289.9	7,172.7	85.9	16.8	38.55	4,006.3	1,186.6	601.6	536.9	64.75	9.291	
12,500.0	7,177.0	7,284.0	7,167.4	87.6	16.8	34.14	4,006.6	1,184.1	701.1	640.4	60.66	11.558	
12,600.0	7,177.0	7,279.8	7,163.5	89.3	16.7	31.17	4,006.8	1,182.3	800.7	742.7	57.98	13.808	
12,700.0	7,177.0	7,275.6	7,159.8	91.0	16.7	28.49	4,007.0	1,180.6	900.3	844.8	55.47	16.231	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Ione 24-4 (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		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			
9,600.0	7,177.0	7,220.0	7,220.0	41.2	12.6	90.00	2,599.2	1,658.2	945.8	897.2	48.57	19.474		
9,700.0	7,177.0	7,220.0	7,220.0	42.7	12.6	90.00	2,599.2	1,658.2	863.4	813.2	50.20	17.201		
9,800.0	7,177.0	7,220.0	7,220.0	44.1	12.6	90.00	2,599.2	1,658.2	785.2	733.4	51.84	15.147		
9,900.0	7,177.0	7,220.0	7,220.0	45.6	12.6	90.00	2,599.2	1,658.2	712.4	658.9	53.49	13.319		
10,000.0	7,177.0	7,220.0	7,220.0	47.1	12.6	90.00	2,599.2	1,658.2	647.0	591.8	55.15	11.732		
10,100.0	7,177.0	7,220.0	7,220.0	48.6	12.6	90.00	2,599.2	1,658.2	591.3	534.5	56.82	10.407		
10,200.0	7,177.0	7,220.0	7,220.0	50.1	12.6	90.00	2,599.2	1,658.2	548.3	489.8	58.49	9.374		
10,300.0	7,177.0	7,220.0	7,220.0	51.7	12.6	90.00	2,599.2	1,658.2	521.2	461.0	60.17	8.663		
10,394.9	7,177.0	7,220.0	7,220.0	53.1	12.6	90.00	2,599.2	1,658.2	512.5	450.7	61.77	8.297 CC		
10,400.0	7,177.0	7,220.0	7,220.0	53.2	12.6	90.00	2,599.2	1,658.2	512.5	450.7	61.85	8.286 ES		
10,500.0	7,177.0	7,220.0	7,220.0	54.8	12.6	90.00	2,599.2	1,658.2	523.2	459.6	63.54	8.233 SF		
10,600.0	7,177.0	7,220.0	7,220.0	56.4	12.6	90.00	2,599.2	1,658.2	552.0	486.8	65.23	8.462		
10,700.0	7,177.0	7,220.0	7,220.0	57.9	12.6	90.00	2,599.2	1,658.2	596.4	529.5	66.93	8.911		
10,800.0	7,177.0	7,220.0	7,220.0	59.5	12.6	90.00	2,599.2	1,658.2	653.3	584.6	68.63	9.518		
10,900.0	7,177.0	7,220.0	7,220.0	61.2	12.6	90.00	2,599.2	1,658.2	719.6	649.2	70.34	10.231		
11,000.0	7,177.0	7,220.0	7,220.0	62.8	12.6	90.00	2,599.2	1,658.2	793.0	720.9	72.04	11.007		
11,100.0	7,177.0	7,220.0	7,220.0	64.4	12.6	90.00	2,599.2	1,658.2	871.7	797.9	73.75	11.819		
11,200.0	7,177.0	7,220.0	7,220.0	66.0	12.6	90.00	2,599.2	1,658.2	954.4	878.9	75.46	12.647		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													SWNW S9-T2N-R66W (Davis) - Ione 2-8-4 (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											
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning					
9,600.0	7,177.0	7,219.0	7,219.0	41.2	12.6	90.00	2,553.7	1,693.7	928.4	879.8	48.56	19.116						
9,700.0	7,177.0	7,219.0	7,219.0	42.7	12.6	90.00	2,553.7	1,693.7	849.7	799.5	50.20	16.928						
9,800.0	7,177.0	7,219.0	7,219.0	44.1	12.6	90.00	2,553.7	1,693.7	775.9	724.1	51.84	14.969						
9,900.0	7,177.0	7,219.0	7,219.0	45.6	12.6	90.00	2,553.7	1,693.7	708.7	655.2	53.49	13.249						
10,000.0	7,177.0	7,219.0	7,219.0	47.1	12.6	90.00	2,553.7	1,693.7	649.9	594.7	55.15	11.784						
10,100.0	7,177.0	7,219.0	7,219.0	48.6	12.6	90.00	2,553.7	1,693.7	602.1	545.2	56.81	10.597						
10,200.0	7,177.0	7,219.0	7,219.0	50.1	12.6	90.00	2,553.7	1,693.7	568.0	509.5	58.49	9.711						
10,300.0	7,177.0	7,219.0	7,219.0	51.7	12.6	90.00	2,553.7	1,693.7	550.2	490.0	60.17	9.145						
10,349.4	7,177.0	7,219.0	7,219.0	52.4	12.6	90.00	2,553.7	1,693.7	548.0	487.0	61.00	8.984	CC, ES					
10,400.0	7,177.0	7,219.0	7,219.0	53.2	12.6	90.00	2,553.7	1,693.7	550.3	488.5	61.85	8.898	SF					
10,500.0	7,177.0	7,219.0	7,219.0	54.8	12.6	90.00	2,553.7	1,693.7	568.3	504.8	63.54	8.944						
10,600.0	7,177.0	7,219.0	7,219.0	56.4	12.6	90.00	2,553.7	1,693.7	602.6	537.4	65.23	9.238						
10,700.0	7,177.0	7,219.0	7,219.0	57.9	12.6	90.00	2,553.7	1,693.7	650.6	583.6	66.93	9.720						
10,800.0	7,177.0	7,219.0	7,219.0	59.5	12.6	90.00	2,553.7	1,693.7	709.5	640.9	68.63	10.338						
10,900.0	7,177.0	7,219.0	7,219.0	61.2	12.6	90.00	2,553.7	1,693.7	776.9	706.5	70.33	11.045						
11,000.0	7,177.0	7,219.0	7,219.0	62.8	12.6	90.00	2,553.7	1,693.7	850.7	778.6	72.04	11.808						
11,100.0	7,177.0	7,219.0	7,219.0	64.4	12.6	90.00	2,553.7	1,693.7	929.4	855.6	73.75	12.602						

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	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											
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	Warning					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)								
11,000.0	7,177.0	7,260.0	7,260.0	62.8	12.7	90.00	3,283.0	2,135.0	992.4	920.3	72.11	13.761						
11,078.7	7,177.0	7,260.0	7,260.0	64.0	12.7	90.00	3,283.0	2,135.0	989.2	915.8	73.46	13.467	CC					
11,100.0	7,177.0	7,260.0	7,260.0	64.4	12.7	90.00	3,283.0	2,135.0	989.5	915.7	73.82	13.404	ES					
11,200.0	7,177.0	7,260.0	7,260.0	66.0	12.7	90.00	3,283.0	2,135.0	996.7	921.1	75.53	13.195	SF					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Ione 4-8-4 (Existing) - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		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)				
9,600.0	7,177.0	7,220.0	7,220.0	41.2	12.6	90.00	2,564.6	1,693.7	937.2	888.6	48.57	19.297		
9,700.0	7,177.0	7,220.0	7,220.0	42.7	12.6	90.00	2,564.6	1,693.7	858.1	807.9	50.20	17.094		
9,800.0	7,177.0	7,220.0	7,220.0	44.1	12.6	90.00	2,564.6	1,693.7	783.7	731.9	51.84	15.118		
9,900.0	7,177.0	7,220.0	7,220.0	45.6	12.6	90.00	2,564.6	1,693.7	715.7	662.2	53.49	13.379		
10,000.0	7,177.0	7,220.0	7,220.0	47.1	12.6	90.00	2,564.6	1,693.7	655.8	600.7	55.15	11.892		
10,100.0	7,177.0	7,220.0	7,220.0	48.6	12.6	90.00	2,564.6	1,693.7	606.7	549.9	56.82	10.678		
10,200.0	7,177.0	7,220.0	7,220.0	50.1	12.6	90.00	2,564.6	1,693.7	571.0	512.5	58.49	9.762		
10,300.0	7,177.0	7,220.0	7,220.0	51.7	12.6	90.00	2,564.6	1,693.7	551.3	491.1	60.17	9.163		
10,360.3	7,177.0	7,220.0	7,220.0	52.6	12.6	90.00	2,564.6	1,693.7	548.0	486.8	61.18	8.957 CC, ES		
10,400.0	7,177.0	7,220.0	7,220.0	53.2	12.6	90.00	2,564.6	1,693.7	549.4	487.6	61.85	8.883 SF		
10,500.0	7,177.0	7,220.0	7,220.0	54.8	12.6	90.00	2,564.6	1,693.7	565.5	502.0	63.54	8.900		
10,600.0	7,177.0	7,220.0	7,220.0	56.4	12.6	90.00	2,564.6	1,693.7	598.1	532.9	65.23	9.169		
10,700.0	7,177.0	7,220.0	7,220.0	57.9	12.6	90.00	2,564.6	1,693.7	644.8	577.8	66.93	9.633		
10,800.0	7,177.0	7,220.0	7,220.0	59.5	12.6	90.00	2,564.6	1,693.7	702.6	634.0	68.63	10.237		
10,900.0	7,177.0	7,220.0	7,220.0	61.2	12.6	90.00	2,564.6	1,693.7	769.2	698.8	70.34	10.935		
11,000.0	7,177.0	7,220.0	7,220.0	62.8	12.6	90.00	2,564.6	1,693.7	842.3	770.3	72.04	11.692		
11,100.0	7,177.0	7,220.0	7,220.0	64.4	12.6	90.00	2,564.6	1,693.7	920.6	846.8	73.75	12.482		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													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			
13,500.0	7,177.0	7,187.0	7,187.0	104.6	12.5	90.00	6,622.7	1,496.7	983.2	868.0	115.19	8.535		
13,600.0	7,177.0	7,187.0	7,187.0	106.3	12.5	90.00	6,622.7	1,496.7	890.5	773.5	116.93	7.615		
13,700.0	7,177.0	7,187.0	7,187.0	108.0	12.5	90.00	6,622.7	1,496.7	799.5	680.9	118.67	6.738		
13,800.0	7,177.0	7,187.0	7,187.0	109.7	12.5	90.00	6,622.7	1,496.7	711.0	590.6	120.41	5.905		
13,900.0	7,177.0	7,187.0	7,187.0	111.4	12.5	90.00	6,622.7	1,496.7	626.0	503.9	122.15	5.125		
14,000.0	7,177.0	7,187.0	7,187.0	113.1	12.5	90.00	6,622.7	1,496.7	546.1	422.2	123.89	4.408		
14,100.0	7,177.0	7,187.0	7,187.0	114.9	12.5	90.00	6,622.7	1,496.7	473.9	348.2	125.63	3.772		
14,200.0	7,177.0	7,187.0	7,187.0	116.6	12.5	90.00	6,622.7	1,496.7	413.4	286.0	127.37	3.245		
14,300.0	7,177.0	7,187.0	7,187.0	118.3	12.5	90.00	6,622.7	1,496.7	370.4	241.3	129.11	2.869		
14,400.0	7,177.0	7,187.0	7,187.0	120.0	12.5	90.00	6,622.7	1,496.7	351.5	220.6	130.86	2.686		
14,418.4	7,177.0	7,187.0	7,187.0	120.3	12.5	90.00	6,622.7	1,496.7	351.0	219.8	131.18	2.676 CC, ES, SF		
14,500.0	7,177.0	7,187.0	7,187.0	121.7	12.5	90.00	6,622.7	1,496.7	360.4	227.8	132.60	2.718		
14,545.9	7,177.0	7,187.0	7,187.0	122.5	12.5	90.00	6,622.7	1,496.7	373.4	240.0	133.40	2.799		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Kugel W4-4 (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						
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)	Total Uncertainty Axis	Separation Factor	Warning
14,200.0	7,177.0	7,178.0	7,178.0	116.6	12.5	-90.00	6,532.3	161.0	993.0	865.7	127.36	7.797	
14,300.0	7,177.0	7,178.0	7,178.0	118.3	12.5	-90.00	6,532.3	161.0	985.2	856.1	129.10	7.631	
14,328.0	7,177.0	7,178.0	7,178.0	118.8	12.5	-90.00	6,532.3	161.0	984.8	855.2	129.59	7.599 CC, ES	
14,400.0	7,177.0	7,178.0	7,178.0	120.0	12.5	-90.00	6,532.3	161.0	987.4	856.5	130.84	7.546	
14,500.0	7,177.0	7,178.0	7,178.0	121.7	12.5	-90.00	6,532.3	161.0	999.7	867.1	132.58	7.540 SF	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 2B-9H
Project:	DJ Wattenberg	TVD Reference:	KBE @ 4895.0ft (Original Well Elev)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KBE @ 4895.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 2B-9H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	HZ	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Kugel W4-6 (Existing) - Existing - Existing													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)				
12,100.0	7,177.0	7,215.0	7,215.0	80.9	12.6	90.00	5,211.1	1,476.1	965.1	874.1	90.96	10.610		
12,200.0	7,177.0	7,215.0	7,215.0	82.6	12.6	90.00	5,211.1	1,476.1	871.8	779.1	92.69	9.406		
12,300.0	7,177.0	7,215.0	7,215.0	84.3	12.6	90.00	5,211.1	1,476.1	780.2	685.8	94.42	8.263		
12,400.0	7,177.0	7,215.0	7,215.0	85.9	12.6	90.00	5,211.1	1,476.1	690.9	594.7	96.15	7.186		
12,500.0	7,177.0	7,215.0	7,215.0	87.6	12.6	90.00	5,211.1	1,476.1	605.0	507.1	97.88	6.181		
12,600.0	7,177.0	7,215.0	7,215.0	89.3	12.6	90.00	5,211.1	1,476.1	524.1	424.4	99.61	5.261		
12,700.0	7,177.0	7,215.0	7,215.0	91.0	12.6	90.00	5,211.1	1,476.1	450.9	349.5	101.35	4.449		
12,800.0	7,177.0	7,215.0	7,215.0	92.7	12.6	90.00	5,211.1	1,476.1	389.8	286.7	103.08	3.781		
12,900.0	7,177.0	7,215.0	7,215.0	94.4	12.6	90.00	5,211.1	1,476.1	347.2	242.4	104.82	3.313		
13,000.0	7,177.0	7,215.0	7,215.0	96.1	12.6	90.00	5,211.1	1,476.1	330.5	223.9	106.55	3.101		
13,006.8	7,177.0	7,215.0	7,215.0	96.2	12.6	90.00	5,211.1	1,476.1	330.4	223.7	106.67	3.097 CC, ES, SF		
13,100.0	7,177.0	7,215.0	7,215.0	97.8	12.6	90.00	5,211.1	1,476.1	343.3	235.0	108.29	3.170		
13,200.0	7,177.0	7,215.0	7,215.0	99.5	12.6	90.00	5,211.1	1,476.1	382.7	272.7	110.02	3.479		
13,300.0	7,177.0	7,215.0	7,215.0	101.2	12.6	90.00	5,211.1	1,476.1	441.7	330.0	111.76	3.953		
13,400.0	7,177.0	7,215.0	7,215.0	102.9	12.6	90.00	5,211.1	1,476.1	513.6	400.1	113.50	4.525		
13,500.0	7,177.0	7,215.0	7,215.0	104.6	12.6	90.00	5,211.1	1,476.1	593.7	478.4	115.24	5.152		
13,600.0	7,177.0	7,215.0	7,215.0	106.3	12.6	90.00	5,211.1	1,476.1	679.0	562.0	116.98	5.805		
13,700.0	7,177.0	7,215.0	7,215.0	108.0	12.6	90.00	5,211.1	1,476.1	767.9	649.2	118.72	6.469		
13,800.0	7,177.0	7,215.0	7,215.0	109.7	12.6	90.00	5,211.1	1,476.1	859.3	738.8	120.46	7.133		
13,900.0	7,177.0	7,215.0	7,215.0	111.4	12.6	90.00	5,211.1	1,476.1	952.4	830.2	122.20	7.794		

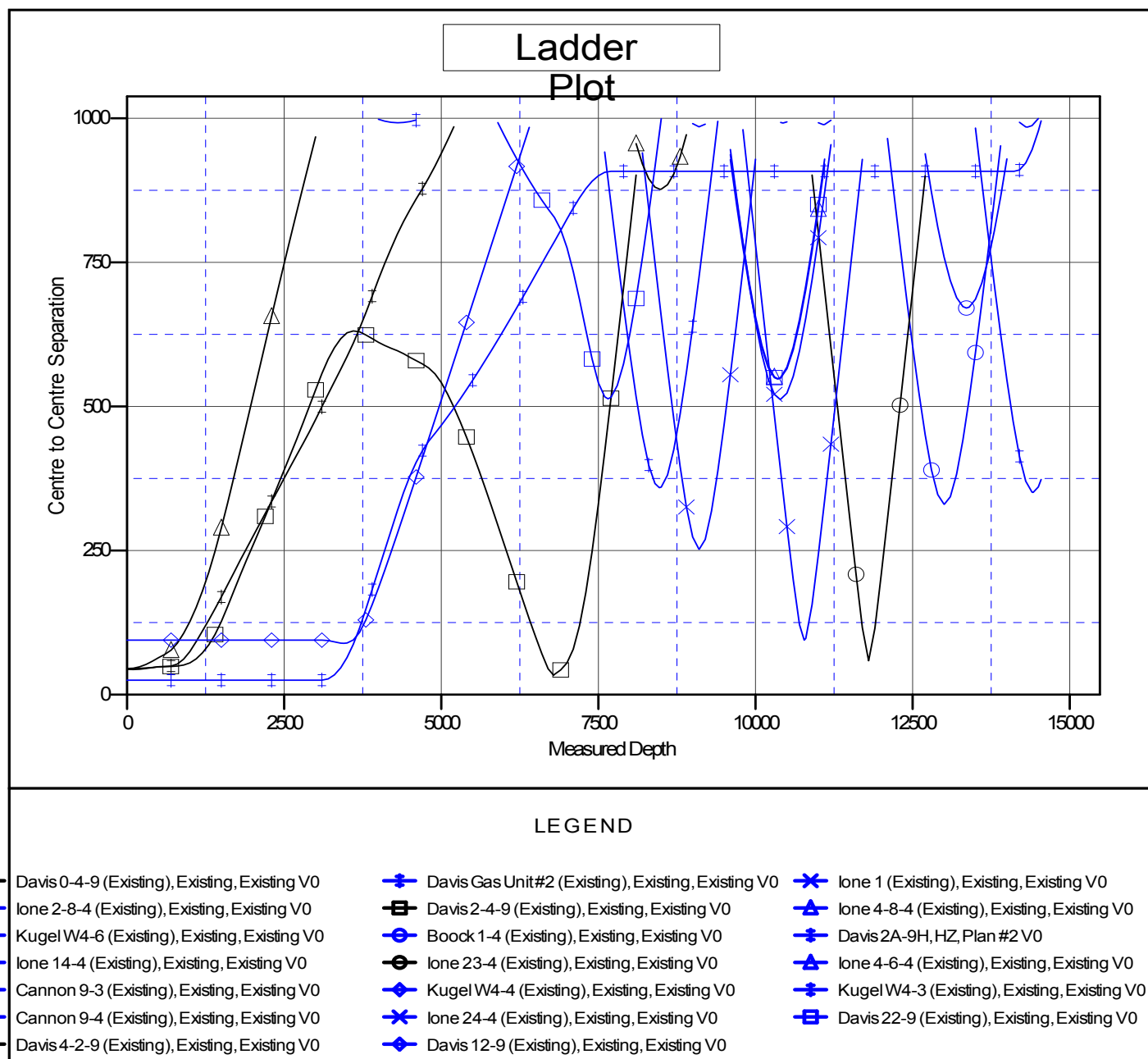
Anticollision Report

Company: EnCana Oil & Gas (USA) Inc
Project: DJ Wattenberg
Reference Site: SWNW S9-T2N-R66W (Davis)
Site Error: 0.0ft
Reference Well: Davis 2B-9H
Well Error: 0.0ft
Reference Wellbore: HZ
Reference Design: Plan #1

Local Co-ordinate Reference: Well Davis 2B-9H
TVD Reference: KBE @ 4895.0ft (Original Well Elev)
MD Reference: KBE @ 4895.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: USA EDM 5000 Multi Users DB
Offset TVD Reference: Offset Datum

Reference Depths are relative to KBE @ 4895.0ft (Original Well Elev)
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000 °

Coordinates are relative to: Davis 2B-9H
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.46°



CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation