



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4401.6	4407.1	Sussex
4688.8	4694.7	Sussex Marker
5024.9	5031.5	Shannon
6152.5	6161.0	Teepee Buttes
7040.4	7092.6	Sharon Springs
7110.6	7207.0	Niobrara
7157.8	7316.0	B Chalk

Plan #2
Davis 1B-9H
158755 125278 LR
KB-13 @ 4925.0ft (Esign 124)
CL @ 4915.0
North American Datum 1983
Well Davis 1B-9H, True North

Type	Target	From	Asimuth	Origin	N/S	E/W	From
User	No Target (Freehand)	MD	MD	Type	0.0	0.0	TVD
Name		TVD	7128.0	+N/-S	80.0	Latitude	Longitude
Davis 1B-9H PBHL NEW (4.11.12)		7141.0	7096.2	-251.5	40.173010	-104.778234	
Davis 1B-9H PBHL							

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Davis 1B-9H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Project:	DJ Wattenberg	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site:	SWNW S9-T2N-R66W (Davis)	North Reference:	True
Well:	Davis 1B-9H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

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 1B-9H					
Well Position	+N/-S	0.0 ft	Northing:	1,299,597.27 ft	Latitude:	40.153530
	+E/-W	0.0 ft	Easting:	3,201,674.35 ft	Longitude:	-104.778520
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,915.0 ft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/11/2012	8.74	66.82	52,913

Design	Plan #2			
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	358.00

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	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,312.7	3.38	182.86	1,312.6	-3.3	-0.2	3.00	3.00	0.00	182.86	
6,645.9	3.38	182.86	6,636.6	-317.4	-15.8	0.00	0.00	0.00	0.00	
7,499.4	90.50	0.75	7,188.1	207.1	-10.2	11.00	10.21	20.84	177.89	
14,389.4	90.50	0.75	7,128.0	7,096.2	80.0	0.00	0.00	0.00	0.00	Davis 1B-9H PBHL NI

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Davis 1B-9H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Project:	DJ Wattenberg	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site:	SWNW S9-T2N-R66W (Davis)	North Reference:	True
Well:	Davis 1B-9H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

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	KOP @ 1200'
1,300.0	3.00	182.86	1,300.0	-2.6	-0.1	-2.6	3.00	3.00	
1,312.7	3.38	182.86	1,312.6	-3.3	-0.2	-3.3	3.00	3.00	EOB; Inc=3.38°
1,400.0	3.38	182.86	1,399.8	-8.5	-0.4	-8.4	0.00	0.00	
1,500.0	3.38	182.86	1,499.6	-14.4	-0.7	-14.3	0.00	0.00	
1,600.0	3.38	182.86	1,599.4	-20.2	-1.0	-20.2	0.00	0.00	
1,700.0	3.38	182.86	1,699.3	-26.1	-1.3	-26.1	0.00	0.00	
1,800.0	3.38	182.86	1,799.1	-32.0	-1.6	-31.9	0.00	0.00	
1,900.0	3.38	182.86	1,898.9	-37.9	-1.9	-37.8	0.00	0.00	
2,000.0	3.38	182.86	1,998.7	-43.8	-2.2	-43.7	0.00	0.00	
2,100.0	3.38	182.86	2,098.6	-49.7	-2.5	-49.6	0.00	0.00	
2,200.0	3.38	182.86	2,198.4	-55.6	-2.8	-55.4	0.00	0.00	
2,300.0	3.38	182.86	2,298.2	-61.5	-3.1	-61.3	0.00	0.00	
2,400.0	3.38	182.86	2,398.0	-67.4	-3.4	-67.2	0.00	0.00	
2,500.0	3.38	182.86	2,497.9	-73.2	-3.7	-73.1	0.00	0.00	
2,600.0	3.38	182.86	2,597.7	-79.1	-3.9	-78.9	0.00	0.00	
2,700.0	3.38	182.86	2,697.5	-85.0	-4.2	-84.8	0.00	0.00	
2,800.0	3.38	182.86	2,797.3	-90.9	-4.5	-90.7	0.00	0.00	
2,900.0	3.38	182.86	2,897.2	-96.8	-4.8	-96.6	0.00	0.00	
3,000.0	3.38	182.86	2,997.0	-102.7	-5.1	-102.4	0.00	0.00	
3,100.0	3.38	182.86	3,096.8	-108.6	-5.4	-108.3	0.00	0.00	
3,200.0	3.38	182.86	3,196.7	-114.5	-5.7	-114.2	0.00	0.00	
3,300.0	3.38	182.86	3,296.5	-120.4	-6.0	-120.1	0.00	0.00	
3,400.0	3.38	182.86	3,396.3	-126.2	-6.3	-125.9	0.00	0.00	
3,500.0	3.38	182.86	3,496.1	-132.1	-6.6	-131.8	0.00	0.00	
3,600.0	3.38	182.86	3,596.0	-138.0	-6.9	-137.7	0.00	0.00	
3,700.0	3.38	182.86	3,695.8	-143.9	-7.2	-143.6	0.00	0.00	
3,800.0	3.38	182.86	3,795.6	-149.8	-7.5	-149.4	0.00	0.00	
3,900.0	3.38	182.86	3,895.4	-155.7	-7.8	-155.3	0.00	0.00	
4,000.0	3.38	182.86	3,995.3	-161.6	-8.1	-161.2	0.00	0.00	
4,100.0	3.38	182.86	4,095.1	-167.5	-8.4	-167.1	0.00	0.00	
4,200.0	3.38	182.86	4,194.9	-173.4	-8.7	-172.9	0.00	0.00	
4,300.0	3.38	182.86	4,294.7	-179.2	-8.9	-178.8	0.00	0.00	
4,400.0	3.38	182.86	4,394.6	-185.1	-9.2	-184.7	0.00	0.00	
4,407.1	3.38	182.86	4,401.6	-185.6	-9.3	-185.1	0.00	0.00	Sussex
4,500.0	3.38	182.86	4,494.4	-191.0	-9.5	-190.6	0.00	0.00	
4,600.0	3.38	182.86	4,594.2	-196.9	-9.8	-196.4	0.00	0.00	
4,694.7	3.38	182.86	4,688.8	-202.5	-10.1	-202.0	0.00	0.00	Sussex Marker
4,700.0	3.38	182.86	4,694.0	-202.8	-10.1	-202.3	0.00	0.00	
4,800.0	3.38	182.86	4,793.9	-208.7	-10.4	-208.2	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Davis 1B-9H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Project:	DJ Wattenberg	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site:	SWNW S9-T2N-R66W (Davis)	North Reference:	True
Well:	Davis 1B-9H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

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	3.38	182.86	4,893.7	-214.6	-10.7	-214.1	0.00	0.00	
5,000.0	3.38	182.86	4,993.5	-220.5	-11.0	-219.9	0.00	0.00	
5,031.5	3.38	182.86	5,024.9	-222.3	-11.1	-221.8	0.00	0.00	Shannon
5,100.0	3.38	182.86	5,093.3	-226.4	-11.3	-225.8	0.00	0.00	
5,200.0	3.38	182.86	5,193.2	-232.2	-11.6	-231.7	0.00	0.00	
5,300.0	3.38	182.86	5,293.0	-238.1	-11.9	-237.6	0.00	0.00	
5,400.0	3.38	182.86	5,392.8	-244.0	-12.2	-243.4	0.00	0.00	
5,500.0	3.38	182.86	5,492.6	-249.9	-12.5	-249.3	0.00	0.00	
5,600.0	3.38	182.86	5,592.5	-255.8	-12.8	-255.2	0.00	0.00	
5,700.0	3.38	182.86	5,692.3	-261.7	-13.1	-261.1	0.00	0.00	
5,800.0	3.38	182.86	5,792.1	-267.6	-13.4	-267.0	0.00	0.00	
5,900.0	3.38	182.86	5,892.0	-273.5	-13.6	-272.8	0.00	0.00	
6,000.0	3.38	182.86	5,991.8	-279.4	-13.9	-278.7	0.00	0.00	
6,100.0	3.38	182.86	6,091.6	-285.3	-14.2	-284.6	0.00	0.00	
6,161.0	3.38	182.86	6,152.5	-288.8	-14.4	-288.2	0.00	0.00	Teepee Buttes
6,200.0	3.38	182.86	6,191.4	-291.1	-14.5	-290.5	0.00	0.00	
6,300.0	3.38	182.86	6,291.3	-297.0	-14.8	-296.3	0.00	0.00	
6,400.0	3.38	182.86	6,391.1	-302.9	-15.1	-302.2	0.00	0.00	
6,500.0	3.38	182.86	6,490.9	-308.8	-15.4	-308.1	0.00	0.00	
6,600.0	3.38	182.86	6,590.7	-314.7	-15.7	-314.0	0.00	0.00	
6,645.9	3.38	182.86	6,636.6	-317.4	-15.8	-316.7	0.00	0.00	Start 11° build @ 6645' MD
6,700.0	2.57	357.98	6,690.6	-317.8	-16.0	-317.0	11.00	-1.49	
6,800.0	13.57	0.23	6,789.5	-303.8	-16.0	-303.0	11.00	11.00	
6,900.0	24.57	0.48	6,883.9	-271.1	-15.8	-270.4	11.00	11.00	
7,000.0	35.57	0.57	6,970.3	-221.1	-15.3	-220.4	11.00	11.00	
7,092.6	45.75	0.63	7,040.4	-160.9	-14.7	-160.3	11.00	11.00	Sharon Springs
7,100.0	46.57	0.63	7,045.5	-155.5	-14.6	-154.9	11.00	11.00	
7,200.0	57.57	0.67	7,106.9	-76.8	-13.7	-76.2	11.00	11.00	
7,207.0	58.34	0.67	7,110.6	-70.9	-13.6	-70.3	11.00	11.00	Niobrara
7,300.0	68.57	0.70	7,152.1	12.2	-12.7	12.7	11.00	11.00	
7,316.0	70.33	0.70	7,157.8	27.2	-12.5	27.7	11.00	11.00	B Chalk
7,400.0	79.57	0.73	7,179.5	108.2	-11.5	108.6	11.00	11.00	
7,499.4	90.50	0.75	7,188.1	207.1	-10.2	207.3	11.00	11.00	Landing Pt @ 7499' MD; 90.5° - ICP
7,500.0	90.50	0.75	7,188.1	207.7	-10.2	207.9	0.00	0.00	
7,600.0	90.50	0.75	7,187.2	307.7	-8.9	307.8	0.00	0.00	
7,700.0	90.50	0.75	7,186.4	407.7	-7.6	407.7	0.00	0.00	
7,800.0	90.50	0.75	7,185.5	507.7	-6.2	507.6	0.00	0.00	
7,900.0	90.50	0.75	7,184.6	607.7	-4.9	607.5	0.00	0.00	
8,000.0	90.50	0.75	7,183.8	707.7	-3.6	707.4	0.00	0.00	
8,100.0	90.50	0.75	7,182.9	807.6	-2.3	807.2	0.00	0.00	
8,200.0	90.50	0.75	7,182.0	907.6	-1.0	907.1	0.00	0.00	
8,300.0	90.50	0.75	7,181.1	1,007.6	0.3	1,007.0	0.00	0.00	
8,400.0	90.50	0.75	7,180.3	1,107.6	1.6	1,106.9	0.00	0.00	
8,500.0	90.50	0.75	7,179.4	1,207.6	2.9	1,206.8	0.00	0.00	
8,600.0	90.50	0.75	7,178.5	1,307.6	4.2	1,306.6	0.00	0.00	
8,700.0	90.50	0.75	7,177.6	1,407.6	5.5	1,406.5	0.00	0.00	
8,800.0	90.50	0.75	7,176.8	1,507.6	6.8	1,506.4	0.00	0.00	
8,900.0	90.50	0.75	7,175.9	1,607.5	8.1	1,606.3	0.00	0.00	
9,000.0	90.50	0.75	7,175.0	1,707.5	9.5	1,706.2	0.00	0.00	
9,100.0	90.50	0.75	7,174.2	1,807.5	10.8	1,806.0	0.00	0.00	
9,200.0	90.50	0.75	7,173.3	1,907.5	12.1	1,905.9	0.00	0.00	
9,300.0	90.50	0.75	7,172.4	2,007.5	13.4	2,005.8	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Davis 1B-9H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Project:	DJ Wattenberg	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site:	SWNW S9-T2N-R66W (Davis)	North Reference:	True
Well:	Davis 1B-9H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
9,400.0	90.50	0.75	7,171.5	2,107.5	14.7	2,105.7	0.00	0.00	
9,500.0	90.50	0.75	7,170.7	2,207.5	16.0	2,205.6	0.00	0.00	
9,600.0	90.50	0.75	7,169.8	2,307.5	17.3	2,305.4	0.00	0.00	
9,700.0	90.50	0.75	7,168.9	2,407.4	18.6	2,405.3	0.00	0.00	
9,800.0	90.50	0.75	7,168.0	2,507.4	19.9	2,505.2	0.00	0.00	
9,900.0	90.50	0.75	7,167.2	2,607.4	21.2	2,605.1	0.00	0.00	
10,000.0	90.50	0.75	7,166.3	2,707.4	22.5	2,705.0	0.00	0.00	
10,100.0	90.50	0.75	7,165.4	2,807.4	23.9	2,804.9	0.00	0.00	
10,200.0	90.50	0.75	7,164.6	2,907.4	25.2	2,904.7	0.00	0.00	
10,300.0	90.50	0.75	7,163.7	3,007.4	26.5	3,004.6	0.00	0.00	
10,400.0	90.50	0.75	7,162.8	3,107.4	27.8	3,104.5	0.00	0.00	
10,500.0	90.50	0.75	7,161.9	3,207.3	29.1	3,204.4	0.00	0.00	
10,600.0	90.50	0.75	7,161.1	3,307.3	30.4	3,304.3	0.00	0.00	
10,700.0	90.50	0.75	7,160.2	3,407.3	31.7	3,404.1	0.00	0.00	
10,800.0	90.50	0.75	7,159.3	3,507.3	33.0	3,504.0	0.00	0.00	
10,900.0	90.50	0.75	7,158.5	3,607.3	34.3	3,603.9	0.00	0.00	
11,000.0	90.50	0.75	7,157.6	3,707.3	35.6	3,703.8	0.00	0.00	
11,100.0	90.50	0.75	7,156.7	3,807.3	36.9	3,803.7	0.00	0.00	
11,200.0	90.50	0.75	7,155.8	3,907.3	38.3	3,903.5	0.00	0.00	
11,300.0	90.50	0.75	7,155.0	4,007.2	39.6	4,003.4	0.00	0.00	
11,400.0	90.50	0.75	7,154.1	4,107.2	40.9	4,103.3	0.00	0.00	
11,500.0	90.50	0.75	7,153.2	4,207.2	42.2	4,203.2	0.00	0.00	
11,600.0	90.50	0.75	7,152.3	4,307.2	43.5	4,303.1	0.00	0.00	
11,700.0	90.50	0.75	7,151.5	4,407.2	44.8	4,403.0	0.00	0.00	
11,800.0	90.50	0.75	7,150.6	4,507.2	46.1	4,502.8	0.00	0.00	
11,900.0	90.50	0.75	7,149.7	4,607.2	47.4	4,602.7	0.00	0.00	
12,000.0	90.50	0.75	7,148.9	4,707.2	48.7	4,702.6	0.00	0.00	
12,100.0	90.50	0.75	7,148.0	4,807.1	50.0	4,802.5	0.00	0.00	
12,200.0	90.50	0.75	7,147.1	4,907.1	51.3	4,902.4	0.00	0.00	
12,300.0	90.50	0.75	7,146.2	5,007.1	52.7	5,002.2	0.00	0.00	
12,400.0	90.50	0.75	7,145.4	5,107.1	54.0	5,102.1	0.00	0.00	
12,500.0	90.50	0.75	7,144.5	5,207.1	55.3	5,202.0	0.00	0.00	
12,600.0	90.50	0.75	7,143.6	5,307.1	56.6	5,301.9	0.00	0.00	
12,700.0	90.50	0.75	7,142.7	5,407.1	57.9	5,401.8	0.00	0.00	
12,800.0	90.50	0.75	7,141.9	5,507.1	59.2	5,501.6	0.00	0.00	
12,900.0	90.50	0.75	7,141.0	5,607.0	60.5	5,601.5	0.00	0.00	
13,000.0	90.50	0.75	7,140.1	5,707.0	61.8	5,701.4	0.00	0.00	
13,100.0	90.50	0.75	7,139.3	5,807.0	63.1	5,801.3	0.00	0.00	
13,200.0	90.50	0.75	7,138.4	5,907.0	64.4	5,901.2	0.00	0.00	
13,300.0	90.50	0.75	7,137.5	6,007.0	65.7	6,001.0	0.00	0.00	
13,400.0	90.50	0.75	7,136.6	6,107.0	67.1	6,100.9	0.00	0.00	
13,500.0	90.50	0.75	7,135.8	6,207.0	68.4	6,200.8	0.00	0.00	
13,600.0	90.50	0.75	7,134.9	6,307.0	69.7	6,300.7	0.00	0.00	
13,700.0	90.50	0.75	7,134.0	6,406.9	71.0	6,400.6	0.00	0.00	
13,800.0	90.50	0.75	7,133.1	6,506.9	72.3	6,500.5	0.00	0.00	
13,900.0	90.50	0.75	7,132.3	6,606.9	73.6	6,600.3	0.00	0.00	
14,000.0	90.50	0.75	7,131.4	6,706.9	74.9	6,700.2	0.00	0.00	
14,100.0	90.50	0.75	7,130.5	6,806.9	76.2	6,800.1	0.00	0.00	
14,200.0	90.50	0.75	7,129.7	6,906.9	77.5	6,900.0	0.00	0.00	
14,300.0	90.50	0.75	7,128.8	7,006.9	78.8	6,999.9	0.00	0.00	
14,384.9	90.50	0.75	7,128.0	7,091.8	79.9	7,084.7	0.00	0.00	Davis 1B-9H PBHL
14,389.4	90.50	0.75	7,128.0	7,096.2	80.0	7,089.1	0.00	0.00	TD at 14389.4 - Davis 1B-9H PBHL NEW (4.11.

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Davis 1B-9H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Project:	DJ Wattenberg	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site:	SWNW S9-T2N-R66W (Davis)	North Reference:	True
Well:	Davis 1B-9H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Davis 1B-9H PBHL NEV	0.00	0.00	7,128.0	7,096.2	80.0	1,306,693.92	3,201,696.61	40.173010	-104.778234
- plan hits target center									
- Point									
Davis 1B-9H PBHL	0.00	0.00	7,141.0	7,096.2	-251.5	1,306,691.23	3,201,365.13	40.173010	-104.779420
- plan misses target center by 331.7ft at 14384.9ft MD (7128.0 TVD, 7091.8 N, 79.9 E)									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
7,499.4	7,188.1	ICP	0.000	0.000	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,407.1	4,400.0	Sussex		-0.50	358.00
4,694.7	4,687.0	Sussex Marker		-0.50	358.00
5,031.5	5,023.0	Shannon		-0.50	358.00
6,161.0	6,150.0	Teepee Buttes		-0.50	358.00
7,092.6	7,039.0	Sharon Springs		-0.50	358.00
7,207.0	7,110.0	Niobrara		-0.50	358.00
7,316.0	7,158.0	B Chalk		-0.50	358.00

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
1,200.0	1,200.0	0.0	0.0	KOP @ 1200'	
1,312.7	1,312.6	-3.3	-0.2	EOB; Inc=3.38°	
6,645.9	6,636.6	-317.4	-15.8	Start 11° build @ 6645' MD	
7,499.4	7,188.1	207.1	-10.2	Landing Pt @ 7499' MD; 90.5°	
14,389.4	7,128.0	7,096.2	80.0	TD at 14389.4	

EnCana Oil & Gas (USA) Inc

DJ Wattenberg

SWNW S9-T2N-R66W (Davis)

Davis 1B-9H

Hz

Plan #2

Anticollision Report

11 April, 2012

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 1B-9H
Project:	DJ Wattenberg	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 1B-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 #2	Offset TVD Reference:	Offset Datum

Reference	Plan #2		
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 500.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program		Date	4/11/2012		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	14,389.4	Plan #2 (Hz)	MWD	Geolink MWD	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 1B-9H
Project:	DJ Wattenberg	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 1B-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 #2	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						Out of range
Boock 1-4 (Existing) - Existing - Existing						Out of range
Cannon 9-3 (Existing) - Existing - Existing						Out of range
Cannon 9-4 (Existing) - Existing - Existing						Out of range
Davis 0-4-9 (Existing) - Existing - Existing						Out of range
Davis 12-9 (Existing) - Existing - Existing						Out of range
Davis 1A-9H - HZ - Plan #1	1,200.0	1,187.0	11.2	7.1	2.713	CC
Davis 1A-9H - HZ - Plan #1	1,211.2	1,198.2	11.2	7.0	2.688	ES
Davis 1A-9H - HZ - Plan #1	14,389.4	14,405.1	417.7	164.2	1.648	SF
Davis 1C-9H - HZ - Plan #4	1,246.1	1,246.1	11.2	6.9	2.594	CC
Davis 1C-9H - HZ - Plan #4	1,300.0	1,300.0	11.4	6.9	2.527	ES, SF
Davis 22-9 (Existing) - Existing - Existing						Out of range
Davis 2-4-9 (Existing) - Existing - Existing						Out of range
Davis 2A-9H - HZ - Plan #3						Out of range
Davis 2B-9H - HZ - Plan #2						Out of range
Davis 31-9 (Existing) - Existing - Existing						Out of range
Davis 31-9 (Existing) - Existing - Existing						Out of range
Davis 32-9 (Existing) - Existing - Existing						Out of range
Davis 41-9 (Existing) - Wellbore #1 - Wellbore #1						Out of range
Davis 42-9 (Existing) - Existing - Existing						Out of range
Davis 4-2-9 (Existing) - Existing - Existing						Out of range
Davis 6-4-9 (Existing) - Existing - Existing	6,965.6	7,065.0	301.8	274.5	11.076	CC, ES
Davis 6-4-9 (Existing) - Existing - Existing	7,000.0	7,091.4	302.5	275.0	10.999	SF
Davis 8-0-9 (Existing) - Existing - Existing						Out of range
Davis 8-2-9 (Existing) - Existing - Existing						Out of range
Davis Gas Unit #1 (Existing) - Wellbore #1 - Wellbore #1	8,083.9	7,180.8	290.3	263.9	11.033	CC, ES
Davis Gas Unit #1 (Existing) - Wellbore #1 - Wellbore #1	8,100.0	7,181.1	290.7	264.2	10.960	SF
Davis Gas Unit #2 (Existing) - Existing - Existing						Out of range
Hettinger C #1 - Existing - Existing						Out of range
lone 1 (Existing) - Existing - Existing						Out of range
lone 10 (Existing) - Existing - Existing	10,767.0	7,180.3	222.5	146.2	2.914	CC, ES, SF
lone 13-4 (Existing) - Existing - Existing						Out of range
lone 14-4 (Existing) - Existing - Existing						Out of range
lone 23-4 (Existing) - Existing - Existing						Out of range
lone 24-4 (Existing) - Existing - Existing						Out of range
lone 2-8-4 (Existing) - Existing - Existing						Out of range
lone 33-4 (Existing) - Existing - Existing						Out of range
lone 33-4 (Existing) - Existing - Existing						Out of range
lone 34-4 (Existing) - Existing - Existing	10,263.9	7,183.0	400.3	332.5	5.906	CC, ES
lone 34-4 (Existing) - Existing - Existing	10,300.0	7,182.7	401.9	333.5	5.877	SF
lone 43-4 (Existing) - Existing - Existing						Out of range
lone 44-4 (Existing) - Existing - Existing						Out of range
lone 4-6-4 (Existing) - Existing - Existing						Out of range
lone 4-8-4 (Existing) - Existing - Existing						Out of range
lone 6-0-8 (Existing) - Existing - Existing						Out of range
lone 6-4-4 (Existing) - Existing - Existing	12,122.3	7,427.8	210.0	100.5	1.918	CC, ES, SF
lone 6-8-4 (Existing) - Existing - Existing	9,719.7	7,531.1	262.0	187.9	3.538	CC, ES, SF
lone 8-0-8 (Existing) - Existing - Existing						Out of range
lone 8-2-8 (Existing) - Existing - Existing						Out of range
lone 8-6-4 (Existing) - Existing - Existing						Out of range
Kugel 1 (Existing) - Existing - Existing	13,875.4	7,143.5	100.4	-29.9	0.771	Level 1, CC, ES, SF
Kugel W4-1 (Existing) - Existing - Existing						Out of range
Kugel W4-3 (Existing) - Existing - Existing						Out of range

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 1B-9H
Project:	DJ Wattenberg	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 1B-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 #2	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)						
Kugel W4-4 (Existing) - Existing - Existing						Out of range
Kugel W4-6 (Existing) - Existing - Existing						Out of range
Kugel W4-7 (Existing) - Existing - Existing	12,704.9	7,157.7	319.6	216.0	3.084	CC, ES, SF
Kugel W4-8X (Existing) - Existing - Existing						Out of range

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 1B-9H
Project:	DJ Wattenberg	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 1B-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 #2	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Davis 1A-9H - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	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)						
0.0	0.0	0.0	0.0	0.0	0.0	89.98	0.0	11.2	17.1					
100.0	100.0	87.0	87.0	0.2	0.1	89.98	0.0	11.2	11.2	10.9	0.28	39.377		
200.0	200.0	187.0	187.0	0.3	0.3	89.98	0.0	11.2	11.2	10.6	0.63	17.746		
300.0	300.0	287.0	287.0	0.5	0.5	89.98	0.0	11.2	11.2	10.2	0.98	11.419		
400.0	400.0	387.0	387.0	0.7	0.7	89.98	0.0	11.2	11.2	9.9	1.33	8.418		
500.0	500.0	487.0	487.0	0.8	0.8	89.98	0.0	11.2	11.2	9.5	1.68	6.666		
600.0	600.0	587.0	587.0	1.0	1.0	89.98	0.0	11.2	11.2	9.2	2.03	5.518		
700.0	700.0	687.0	687.0	1.2	1.2	89.98	0.0	11.2	11.2	8.8	2.38	4.707		
800.0	800.0	787.0	787.0	1.4	1.4	89.98	0.0	11.2	11.2	8.5	2.72	4.104		
900.0	900.0	887.0	887.0	1.5	1.5	89.98	0.0	11.2	11.2	8.1	3.07	3.638		
1,000.0	1,000.0	987.0	987.0	1.7	1.7	89.98	0.0	11.2	11.2	7.8	3.42	3.267		
1,100.0	1,100.0	1,087.0	1,087.0	1.9	1.9	89.98	0.0	11.2	11.2	7.4	3.77	2.964		
1,200.0	1,200.0	1,187.0	1,187.0	2.1	2.0	89.98	0.0	11.2	11.2	7.1	4.12	2.713 CC		
1,211.2	1,211.2	1,198.2	1,198.2	2.1	2.1	-93.05	0.0	11.2	11.2	7.0	4.16	2.688 ES		
1,300.0	1,300.0	1,287.0	1,287.0	2.2	2.2	-105.87	0.0	11.2	11.6	7.1	4.47	2.597		
1,400.0	1,399.8	1,386.8	1,386.8	2.4	2.4	-128.92	0.0	11.2	14.4	9.5	4.82	2.979		
1,500.0	1,499.6	1,486.6	1,486.6	2.6	2.6	-143.16	0.0	11.2	18.6	13.5	5.17	3.606		
1,600.0	1,599.4	1,586.4	1,586.4	2.8	2.7	-151.76	0.0	11.2	23.6	18.1	5.52	4.282		
1,700.0	1,699.3	1,686.3	1,686.3	3.0	2.9	-157.29	0.0	11.2	29.0	23.1	5.87	4.937		
1,800.0	1,799.1	1,786.1	1,786.1	3.2	3.1	-161.07	0.0	11.2	34.5	28.3	6.21	5.547		
1,900.0	1,898.9	1,885.9	1,885.9	3.4	3.3	-163.80	0.0	11.2	40.1	33.5	6.56	6.110		
2,000.0	1,998.7	1,985.7	1,985.7	3.6	3.4	-165.86	0.0	11.2	45.8	38.9	6.91	6.626		
2,100.0	2,098.6	2,085.6	2,085.6	3.8	3.6	-167.46	0.0	11.2	51.5	44.3	7.26	7.098		
2,200.0	2,198.4	2,185.4	2,185.4	4.0	3.8	-168.74	0.0	11.2	57.3	49.7	7.61	7.532		
2,300.0	2,298.2	2,285.2	2,285.2	4.1	4.0	-169.79	0.0	11.2	63.1	55.1	7.96	7.930		
2,400.0	2,398.0	2,385.0	2,385.0	4.3	4.1	-170.66	0.0	11.2	68.9	60.6	8.31	8.297		
2,500.0	2,497.9	2,484.9	2,484.9	4.5	4.3	-171.39	0.0	11.2	74.7	66.1	8.65	8.636		
2,600.0	2,597.7	2,584.7	2,584.7	4.7	4.5	-172.02	0.0	11.2	80.6	71.6	9.00	8.950		
2,700.0	2,697.5	2,684.5	2,684.5	4.9	4.7	-172.56	0.0	11.2	86.4	77.1	9.35	9.241		
2,800.0	2,797.3	2,784.3	2,784.3	5.1	4.8	-173.04	0.0	11.2	92.3	82.6	9.70	9.512		
2,900.0	2,897.2	2,884.2	2,884.2	5.3	5.0	-173.45	0.0	11.2	98.1	88.1	10.05	9.765		
3,000.0	2,997.0	2,984.0	2,984.0	5.5	5.2	-173.82	0.0	11.2	104.0	93.6	10.40	10.001		
3,100.0	3,096.8	3,086.0	3,086.0	5.7	5.4	-173.25	-1.1	12.8	109.0	98.2	10.75	10.139		
3,200.0	3,196.7	3,188.3	3,188.0	5.9	5.5	-170.24	-5.4	18.7	111.9	100.7	11.11	10.064		
3,300.0	3,296.5	3,289.6	3,288.5	6.1	5.7	-164.86	-12.8	29.0	113.3	101.8	11.50	9.851		
3,400.0	3,396.3	3,388.9	3,386.7	6.3	5.9	-158.73	-21.2	40.8	115.2	103.3	11.90	9.677		
3,500.0	3,496.1	3,488.1	3,484.8	6.5	6.1	-152.87	-29.6	52.5	118.4	106.0	12.32	9.604		
3,600.0	3,596.0	3,587.3	3,583.0	6.7	6.4	-147.36	-38.1	64.3	122.7	110.0	12.76	9.618		
3,700.0	3,695.8	3,686.5	3,681.2	6.9	6.6	-142.27	-46.5	76.1	128.2	115.0	13.21	9.704		
3,800.0	3,795.6	3,785.7	3,779.3	7.1	6.8	-137.62	-54.9	87.8	134.5	120.9	13.66	9.850		
3,900.0	3,895.4	3,885.0	3,877.5	7.3	7.1	-133.41	-63.4	99.6	141.7	127.6	14.11	10.043		
4,000.0	3,995.3	3,984.2	3,975.6	7.5	7.3	-129.62	-71.8	111.4	149.6	135.0	14.56	10.272		
4,100.0	4,095.1	4,083.4	4,073.8	7.7	7.5	-126.22	-80.2	123.2	158.0	143.0	15.01	10.529		
4,200.0	4,194.9	4,182.6	4,172.0	7.9	7.8	-123.17	-88.7	134.9	167.0	151.5	15.45	10.806		
4,300.0	4,294.7	4,281.9	4,270.1	8.1	8.1	-120.44	-97.1	146.7	176.4	160.5	15.90	11.097		
4,400.0	4,394.6	4,381.1	4,368.3	8.3	8.3	-117.99	-105.5	158.5	186.1	169.8	16.33	11.397		
4,500.0	4,494.4	4,480.3	4,466.4	8.5	8.6	-115.78	-114.0	170.3	196.2	179.4	16.76	11.702		
4,600.0	4,594.2	4,579.5	4,564.6	8.7	8.8	-113.79	-122.4	182.0	206.5	189.3	17.19	12.009		
4,700.0	4,694.0	4,678.7	4,662.8	8.9	9.1	-111.99	-130.8	193.8	217.0	199.4	17.62	12.317		
4,800.0	4,793.9	4,778.0	4,760.9	9.1	9.4	-110.36	-139.3	205.6	227.8	209.7	18.04	12.622		
4,900.0	4,893.7	4,877.2	4,859.1	9.3	9.6	-108.88	-147.7	217.4	238.6	220.2	18.47	12.924		
5,000.0	4,993.5	4,976.4	4,957.2	9.5	9.9	-107.52	-156.1	229.1	249.7	230.8	18.88	13.222		

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 1B-9H
Project:	DJ Wattenberg	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 1B-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 #2	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Davis 1A-9H - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			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)				
5,100.0	5,093.3	5,075.6	5,055.4	9.7	10.2	-106.28	-164.6	240.9	260.9	241.5	19.30	13.514		
5,200.0	5,193.2	5,174.9	5,153.6	9.9	10.5	-105.14	-173.0	252.7	272.1	252.4	19.72	13.801		
5,300.0	5,293.0	5,274.1	5,251.7	10.1	10.8	-104.10	-181.5	264.5	283.5	263.4	20.13	14.082		
5,400.0	5,392.8	5,373.3	5,349.9	10.3	11.0	-103.13	-189.9	276.2	295.0	274.4	20.54	14.357		
5,500.0	5,492.6	5,472.5	5,448.0	10.5	11.3	-102.24	-198.3	288.0	306.5	285.5	20.96	14.626		
5,600.0	5,592.5	5,571.8	5,546.2	10.7	11.6	-101.41	-206.8	299.8	318.1	296.7	21.37	14.888		
5,700.0	5,692.3	5,671.0	5,644.4	10.9	11.9	-100.64	-215.2	311.5	329.8	308.0	21.78	15.143		
5,800.0	5,792.1	5,770.2	5,742.5	11.1	12.2	-99.92	-223.6	323.3	341.5	319.3	22.19	15.392		
5,900.0	5,892.0	5,869.4	5,840.7	11.4	12.5	-99.25	-232.1	335.1	353.3	330.7	22.59	15.635		
6,000.0	5,991.8	5,968.6	5,938.8	11.6	12.7	-98.62	-240.5	346.9	365.1	342.1	23.00	15.872		
6,100.0	6,091.6	6,067.9	6,037.0	11.8	13.0	-98.03	-248.9	358.6	376.9	353.5	23.41	16.102		
6,200.0	6,191.4	6,167.1	6,135.2	12.0	13.3	-97.48	-257.4	370.4	388.8	365.0	23.82	16.326		
6,300.0	6,291.3	6,266.3	6,233.3	12.2	13.6	-96.96	-265.8	382.2	400.8	376.5	24.22	16.545		
6,400.0	6,391.1	6,365.5	6,331.5	12.4	13.9	-96.47	-274.2	394.0	412.7	388.1	24.63	16.758		
6,500.0	6,490.9	6,464.8	6,429.6	12.6	14.2	-96.01	-282.7	405.7	424.7	399.7	25.03	16.965		
6,600.0	6,590.7	6,564.0	6,527.8	12.8	14.5	-95.58	-291.1	417.5	436.7	411.3	25.44	17.167		
6,700.0	6,690.6	6,663.0	6,625.8	12.9	14.8	-95.38	-299.5	429.3	448.6	422.8	25.83	17.370		
6,800.0	6,789.5	6,759.2	6,721.2	12.9	15.0	-95.60	-299.2	440.7	460.1	434.1	25.94	17.733		
6,900.0	6,883.9	6,858.0	6,817.3	12.9	15.1	-95.90	-280.6	452.3	471.2	445.4	25.82	18.249		
7,000.0	6,970.3	6,959.7	6,910.8	12.7	15.1	-96.40	-242.7	463.5	481.6	456.0	25.55	18.848		
7,100.0	7,045.5	7,064.6	6,997.8	12.6	15.1	-96.00	-185.2	474.0	490.8	465.5	25.28	19.417		
7,200.0	7,106.9	7,172.7	7,073.5	12.6	15.1	-96.65	-108.9	483.2	498.4	473.2	25.17	19.799		
8,100.0	7,182.9	8,116.3	7,183.9	20.2	22.0	91.62	807.8	497.4	499.9	459.4	40.53	12.334		
8,200.0	7,182.0	8,216.3	7,183.1	21.6	23.3	91.62	907.8	497.4	498.6	455.3	43.33	11.506		
8,300.0	7,181.1	8,316.3	7,182.2	23.1	24.6	91.63	1,007.7	497.4	497.3	451.1	46.23	10.757		
8,400.0	7,180.3	8,416.3	7,181.3	24.6	26.0	91.63	1,107.7	497.4	496.0	446.8	49.21	10.080		
8,500.0	7,179.4	8,516.3	7,180.5	26.1	27.5	91.64	1,207.7	497.4	494.7	442.5	52.25	9.468		
8,600.0	7,178.5	8,616.3	7,179.6	27.6	28.9	91.64	1,307.7	497.4	493.4	438.0	55.35	8.914		
8,700.0	7,177.6	8,716.2	7,178.7	29.2	30.4	91.64	1,407.7	497.4	492.1	433.6	58.49	8.413		
8,800.0	7,176.8	8,816.2	7,177.8	30.8	32.0	91.65	1,507.7	497.4	490.8	429.1	61.68	7.957		
8,900.0	7,175.9	8,916.2	7,177.0	32.4	33.5	91.65	1,607.7	497.4	489.5	424.6	64.89	7.543		
9,000.0	7,175.0	9,016.2	7,176.1	34.0	35.1	91.66	1,707.7	497.4	488.2	420.0	68.14	7.164		
9,100.0	7,174.2	9,116.2	7,175.2	35.7	36.7	91.66	1,807.6	497.4	486.9	415.4	71.41	6.818		
9,200.0	7,173.3	9,216.2	7,174.3	37.3	38.3	91.67	1,907.6	497.4	485.5	410.8	74.70	6.500		
9,300.0	7,172.4	9,316.2	7,173.5	39.0	39.9	91.67	2,007.6	497.4	484.2	406.2	78.01	6.208		
9,400.0	7,171.5	9,416.2	7,172.6	40.6	41.5	91.67	2,107.6	497.4	482.9	401.6	81.33	5.938		
9,500.0	7,170.7	9,516.2	7,171.7	42.3	43.2	91.68	2,207.6	497.4	481.6	396.9	84.67	5.688		
9,600.0	7,169.8	9,616.2	7,170.9	44.0	44.8	91.68	2,307.6	497.4	480.3	392.3	88.03	5.456		
9,700.0	7,168.9	9,716.2	7,170.0	45.7	46.5	91.69	2,407.6	497.4	479.0	387.6	91.39	5.241		
9,800.0	7,168.0	9,816.2	7,169.1	47.4	48.1	91.69	2,507.6	497.4	477.7	382.9	94.77	5.041		
9,900.0	7,167.2	9,916.1	7,168.2	49.1	49.8	91.70	2,607.5	497.4	476.4	378.2	98.15	4.854		
10,000.0	7,166.3	10,016.1	7,167.4	50.8	51.5	91.70	2,707.5	497.4	475.1	373.5	101.54	4.679		
10,100.0	7,165.4	10,116.1	7,166.5	52.5	53.1	91.71	2,807.5	497.4	473.8	368.8	104.94	4.514		
10,200.0	7,164.6	10,216.1	7,165.6	54.2	54.8	91.71	2,907.5	497.4	472.5	364.1	108.35	4.360		
10,300.0	7,163.7	10,316.1	7,164.7	55.9	56.5	91.72	3,007.5	497.4	471.2	359.4	111.76	4.216		
10,400.0	7,162.8	10,416.1	7,163.9	57.6	58.2	91.72	3,107.5	497.4	469.8	354.7	115.18	4.079		
10,500.0	7,161.9	10,516.1	7,163.0	59.3	59.9	91.73	3,207.5	497.4	468.5	349.9	118.61	3.950		
10,600.0	7,161.1	10,616.1	7,162.1	61.0	61.6	91.73	3,307.5	497.4	467.2	345.2	122.03	3.829		
10,700.0	7,160.2	10,716.1	7,161.3	62.7	63.3	91.74	3,407.4	497.4	465.9	340.5	125.47	3.713		
10,800.0	7,159.3	10,816.1	7,160.4	64.4	65.0	91.74	3,507.4	497.4	464.6	335.7	128.90	3.604		
10,900.0	7,158.5	10,916.1	7,159.5	66.2	66.7	91.75	3,607.4	497.4	463.3	331.0	132.34	3.501		
11,000.0	7,157.6	11,016.1	7,158.6	67.9	68.4	91.75	3,707.4	497.4	462.0	326.2	135.79	3.402		

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 1B-9H
Project:	DJ Wattenberg	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 1B-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 #2	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Davis 1A-9H - Hz - Plan #1												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		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
11,100.0	7,156.7	11,116.0	7,157.8	69.6	70.1	91.76	3,807.4	497.4	460.7	321.5	139.23	3.309	
11,200.0	7,155.8	11,216.0	7,156.9	71.3	71.8	91.76	3,907.4	497.4	459.4	316.7	142.68	3.220	
11,300.0	7,155.0	11,316.0	7,156.0	73.1	73.5	91.77	4,007.4	497.4	458.1	311.9	146.13	3.135	
11,400.0	7,154.1	11,416.0	7,155.1	74.8	75.3	91.77	4,107.4	497.4	456.8	307.2	149.59	3.053	
11,500.0	7,153.2	11,516.0	7,154.3	76.5	77.0	91.78	4,207.3	497.4	455.5	302.4	153.05	2.976	
11,600.0	7,152.3	11,616.0	7,153.4	78.2	78.7	91.78	4,307.3	497.4	454.1	297.6	156.50	2.902	
11,700.0	7,151.5	11,716.0	7,152.5	80.0	80.4	91.79	4,407.3	497.4	452.8	292.9	159.97	2.831	
11,800.0	7,150.6	11,816.0	7,151.7	81.7	82.1	91.79	4,507.3	497.4	451.5	288.1	163.43	2.763	
11,900.0	7,149.7	11,916.0	7,150.8	83.4	83.9	91.80	4,607.3	497.4	450.2	283.3	166.89	2.698	
12,000.0	7,148.9	12,016.0	7,149.9	85.2	85.6	91.80	4,707.3	497.4	448.9	278.6	170.36	2.635	
12,100.0	7,148.0	12,116.0	7,149.0	86.9	87.3	91.81	4,807.3	497.4	447.6	273.8	173.83	2.575	
12,200.0	7,147.1	12,215.9	7,148.2	88.7	89.0	91.81	4,907.3	497.4	446.3	269.0	177.30	2.517	
12,300.0	7,146.2	12,315.9	7,147.3	90.4	90.8	91.82	5,007.2	497.4	445.0	264.2	180.77	2.462	
12,400.0	7,145.4	12,415.9	7,146.4	92.1	92.5	91.82	5,107.2	497.4	443.7	259.4	184.24	2.408	
12,500.0	7,144.5	12,515.9	7,145.5	93.9	94.2	91.83	5,207.2	497.4	442.4	254.7	187.71	2.357	
12,600.0	7,143.6	12,615.9	7,144.7	95.6	96.0	91.83	5,307.2	497.4	441.1	249.9	191.19	2.307	
12,700.0	7,142.7	12,715.9	7,143.8	97.3	97.7	91.84	5,407.2	497.4	439.8	245.1	194.66	2.259	
12,800.0	7,141.9	12,815.9	7,142.9	99.1	99.4	91.84	5,507.2	497.4	438.4	240.3	198.14	2.213	
12,900.0	7,141.0	12,915.9	7,142.1	100.8	101.2	91.85	5,607.2	497.4	437.1	235.5	201.62	2.168	
13,000.0	7,140.1	13,015.9	7,141.2	102.6	102.9	91.86	5,707.2	497.4	435.8	230.7	205.09	2.125	
13,100.0	7,139.3	13,115.9	7,140.3	104.3	104.6	91.86	5,807.1	497.4	434.5	225.9	208.57	2.083	
13,200.0	7,138.4	13,215.9	7,139.4	106.0	106.4	91.87	5,907.1	497.4	433.2	221.2	212.05	2.043	
13,300.0	7,137.5	13,315.9	7,138.6	107.8	108.1	91.87	6,007.1	497.4	431.9	216.4	215.53	2.004	
13,400.0	7,136.6	13,415.8	7,137.7	109.5	109.8	91.88	6,107.1	497.4	430.6	211.6	219.02	1.966	
13,500.0	7,135.8	13,515.8	7,136.8	111.3	111.6	91.88	6,207.1	497.4	429.3	206.8	222.50	1.929	
13,600.0	7,134.9	13,615.8	7,136.0	113.0	113.3	91.89	6,307.1	497.4	428.0	202.0	225.98	1.894	
13,700.0	7,134.0	13,715.8	7,135.1	114.8	115.1	91.90	6,407.1	497.4	426.7	197.2	229.46	1.859	
13,800.0	7,133.1	13,815.8	7,134.2	116.5	116.8	91.90	6,507.1	497.4	425.4	192.4	232.95	1.826	
13,900.0	7,132.3	13,915.8	7,133.3	118.2	118.5	91.91	6,607.0	497.4	424.1	187.6	236.43	1.794	
14,000.0	7,131.4	14,015.8	7,132.5	120.0	120.3	91.91	6,707.0	497.4	422.7	182.8	239.92	1.762	
14,100.0	7,130.5	14,115.8	7,131.6	121.7	122.0	91.92	6,807.0	497.4	421.4	178.0	243.41	1.731	
14,200.0	7,129.7	14,215.8	7,130.7	123.5	123.7	91.92	6,907.0	497.4	420.1	173.2	246.89	1.702	
14,300.0	7,128.8	14,315.8	7,129.8	125.2	125.5	91.93	7,007.0	497.4	418.8	168.4	250.38	1.673	
14,389.4	7,128.0	14,405.1	7,129.1	126.8	127.0	91.94	7,096.4	497.4	417.7	164.2	253.50	1.648 SF	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 1B-9H
Project:	DJ Wattenberg	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 1B-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 #2	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Davis 1C-9H - Hz - Plan #4													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	-90.00	0.0	-11.2	11.2					
100.0	100.0	100.0	100.0	0.2	0.2	-90.00	0.0	-11.2	11.2	10.9	0.30	36.817		
200.0	200.0	200.0	200.0	0.3	0.3	-90.00	0.0	-11.2	11.2	10.5	0.65	17.129		
300.0	300.0	300.0	300.0	0.5	0.5	-90.00	0.0	-11.2	11.2	10.2	1.00	11.161		
400.0	400.0	400.0	400.0	0.7	0.7	-90.00	0.0	-11.2	11.2	9.8	1.35	8.277		
500.0	500.0	500.0	500.0	0.8	0.8	-90.00	0.0	-11.2	11.2	9.5	1.70	6.577		
600.0	600.0	600.0	600.0	1.0	1.0	-90.00	0.0	-11.2	11.2	9.1	2.05	5.457		
700.0	700.0	700.0	700.0	1.2	1.2	-90.00	0.0	-11.2	11.2	8.8	2.40	4.662		
800.0	800.0	800.0	800.0	1.4	1.4	-90.00	0.0	-11.2	11.2	8.4	2.75	4.070		
900.0	900.0	900.0	900.0	1.5	1.5	-90.00	0.0	-11.2	11.2	8.1	3.10	3.611		
1,000.0	1,000.0	1,000.0	1,000.0	1.7	1.7	-90.00	0.0	-11.2	11.2	7.7	3.45	3.245		
1,100.0	1,100.0	1,100.0	1,100.0	1.9	1.9	-90.00	0.0	-11.2	11.2	7.4	3.79	2.947		
1,200.0	1,200.0	1,200.0	1,200.0	2.1	2.1	-90.00	0.0	-11.2	11.2	7.0	4.14	2.698		
1,246.1	1,246.1	1,246.1	1,246.1	2.2	2.2	90.00	0.0	-11.2	11.2	6.9	4.31	2.594 CC		
1,300.0	1,300.0	1,300.0	1,300.0	2.2	2.2	100.44	0.0	-11.2	11.4	6.9	4.49	2.527 ES, SF		
1,400.0	1,399.8	1,399.8	1,399.8	2.4	2.4	125.28	0.0	-11.2	13.7	8.8	4.84	2.825		
1,500.0	1,499.6	1,499.6	1,499.6	2.6	2.6	140.99	0.0	-11.2	17.8	12.6	5.19	3.420		
1,600.0	1,599.4	1,599.4	1,599.4	2.8	2.8	150.42	0.0	-11.2	22.7	17.1	5.54	4.087		
1,700.0	1,699.3	1,699.3	1,699.3	3.0	2.9	156.40	0.0	-11.2	27.9	22.0	5.89	4.742		
1,800.0	1,799.1	1,799.1	1,799.1	3.2	3.1	160.45	0.0	-11.2	33.4	27.2	6.24	5.358		
1,900.0	1,898.9	1,898.9	1,898.9	3.4	3.3	163.35	0.0	-11.2	39.0	32.4	6.59	5.926		
2,000.0	1,998.7	1,998.7	1,998.7	3.6	3.5	165.51	0.0	-11.2	44.7	37.8	6.93	6.447		
2,100.0	2,098.6	2,098.6	2,098.6	3.8	3.6	167.19	0.0	-11.2	50.4	43.2	7.28	6.926		
2,200.0	2,198.4	2,198.4	2,198.4	4.0	3.8	168.52	0.0	-11.2	56.2	48.6	7.63	7.365		
2,300.0	2,298.2	2,298.2	2,298.2	4.1	4.0	169.61	0.0	-11.2	62.0	54.0	7.98	7.769		
2,400.0	2,398.0	2,398.0	2,398.0	4.3	4.2	170.50	0.0	-11.2	67.8	59.5	8.33	8.142		
2,500.0	2,497.9	2,497.9	2,497.9	4.5	4.3	171.26	0.0	-11.2	73.6	64.9	8.68	8.486		
2,600.0	2,597.7	2,598.8	2,598.7	4.7	4.5	170.13	-0.9	-13.6	78.8	69.8	9.03	8.724		
2,700.0	2,697.5	2,699.4	2,699.0	4.9	4.7	165.58	-3.8	-20.8	82.9	73.5	9.40	8.820		
2,800.0	2,797.3	2,799.2	2,798.0	5.1	4.9	158.09	-8.7	-32.9	87.0	77.2	9.79	8.888		
2,900.0	2,897.2	2,897.7	2,894.8	5.3	5.1	148.34	-15.3	-49.5	93.0	82.8	10.23	9.092		
3,000.0	2,997.0	2,995.9	2,990.9	5.5	5.4	138.70	-22.7	-68.2	102.1	91.4	10.69	9.544		
3,100.0	3,096.8	3,094.1	3,087.0	5.7	5.6	130.78	-30.1	-86.9	113.5	102.4	11.16	10.177		
3,200.0	3,196.7	3,192.3	3,183.2	5.9	5.9	124.38	-37.6	-105.6	126.8	115.2	11.61	10.920		
3,300.0	3,296.5	3,290.5	3,279.3	6.1	6.2	119.23	-45.0	-124.3	141.3	129.3	12.05	11.724		
3,400.0	3,396.3	3,388.7	3,375.4	6.3	6.5	115.05	-52.5	-143.0	156.8	144.3	12.49	12.554		
3,500.0	3,496.1	3,486.9	3,471.5	6.5	6.8	111.62	-59.9	-161.7	172.9	160.0	12.91	13.388		
3,600.0	3,596.0	3,585.1	3,567.7	6.7	7.1	108.79	-67.3	-180.4	189.5	176.2	13.33	14.214		
3,700.0	3,695.8	3,683.3	3,663.8	6.9	7.4	106.41	-74.8	-199.1	206.5	192.8	13.75	15.022		
3,800.0	3,795.6	3,781.5	3,759.9	7.1	7.8	104.40	-82.2	-217.8	223.8	209.7	14.16	15.807		
3,900.0	3,895.4	3,879.7	3,856.0	7.3	8.1	102.67	-89.7	-236.5	241.3	226.8	14.57	16.567		
4,000.0	3,995.3	3,978.0	3,952.2	7.5	8.4	101.18	-97.1	-255.2	259.1	244.1	14.97	17.300		
4,100.0	4,095.1	4,076.2	4,048.3	7.7	8.8	99.88	-104.5	-273.9	276.9	261.5	15.38	18.006		
4,200.0	4,194.9	4,174.4	4,144.4	7.9	9.1	98.74	-112.0	-292.7	294.9	279.1	15.78	18.684		
4,300.0	4,294.7	4,272.6	4,240.5	8.1	9.5	97.73	-119.4	-311.4	313.0	296.8	16.19	19.337		
4,400.0	4,394.6	4,370.8	4,336.6	8.3	9.9	96.83	-126.9	-330.1	331.2	314.6	16.59	19.963		
4,500.0	4,494.4	4,469.0	4,432.8	8.5	10.2	96.02	-134.3	-348.8	349.4	332.4	16.99	20.565		
4,600.0	4,594.2	4,567.2	4,528.9	8.7	10.6	95.29	-141.8	-367.5	367.7	350.3	17.39	21.143		
4,700.0	4,694.0	4,665.4	4,625.0	8.9	10.9	94.63	-149.2	-386.2	386.1	368.3	17.79	21.698		
4,800.0	4,793.9	4,763.6	4,721.1	9.1	11.3	94.04	-156.6	-404.9	404.5	386.3	18.19	22.232		
4,900.0	4,893.7	4,861.8	4,817.3	9.3	11.7	93.49	-164.1	-423.6	422.9	404.3	18.59	22.745		
5,000.0	4,993.5	4,960.0	4,913.4	9.5	12.1	92.99	-171.5	-442.3	441.4	422.4	18.99	23.239		

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 1B-9H
Project:	DJ Wattenberg	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 1B-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 #2	Offset TVD Reference:	Offset Datum

Offset Design													SWNW S9-T2N-R66W (Davis) - Davis 1C-9H - Hz - Plan #4		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	5,093.3	5,058.3	5,009.5	9.7	12.4	92.53	-179.0	-461.0	459.9	440.5	19.39	23.714						
5,200.0	5,193.2	5,156.5	5,105.6	9.9	12.8	92.10	-186.4	-479.7	478.4	458.6	19.79	24.171						
5,300.0	5,293.0	5,254.7	5,201.8	10.1	13.2	91.71	-193.8	-498.4	497.0	476.8	20.19	24.612						

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 1B-9H
Project:	DJ Wattenberg	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 1B-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 #2	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Davis 6-4-9 (Existing) - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program: 153-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)						
3,600.0	3,596.0	3,805.2	3,723.3	6.7	13.7	-92.37	-148.7	476.7	496.6	481.0	15.57	31.891		
3,700.0	3,695.8	3,897.7	3,812.7	6.9	14.1	-91.51	-160.8	456.2	474.7	458.6	16.15	29.393		
3,800.0	3,795.6	3,993.5	3,905.3	7.1	14.6	-90.40	-174.4	435.5	453.7	436.9	16.80	27.004		
3,900.0	3,895.4	4,095.0	4,003.2	7.3	15.1	-89.08	-189.0	413.2	432.4	414.9	17.50	24.703		
4,000.0	3,995.3	4,192.8	4,097.4	7.5	15.6	-87.58	-203.6	391.1	410.7	392.5	18.25	22.509		
4,100.0	4,095.1	4,269.0	4,170.9	7.7	16.0	-86.37	-214.6	374.3	390.3	371.4	18.87	20.680		
4,200.0	4,194.9	4,368.4	4,267.6	7.9	16.2	-85.02	-226.9	355.1	372.2	352.7	19.47	19.112		
4,300.0	4,294.7	4,454.5	4,352.3	8.1	16.4	-84.22	-235.1	342.0	357.9	337.9	19.97	17.926		
4,400.0	4,394.6	4,548.0	4,445.0	8.3	16.7	-83.81	-241.6	331.5	347.2	326.8	20.42	17.006		
4,500.0	4,494.4	4,637.1	4,533.6	8.5	16.8	-83.75	-246.0	323.9	338.8	318.0	20.78	16.308		
4,600.0	4,594.2	4,733.3	4,629.5	8.7	17.0	-83.90	-249.7	316.9	331.5	310.4	21.12	15.700		
4,700.0	4,694.0	4,827.9	4,723.9	8.9	17.2	-84.27	-252.3	311.3	325.6	304.1	21.41	15.207		
4,800.0	4,793.9	4,924.8	4,820.7	9.1	17.3	-84.87	-254.0	307.1	320.9	299.3	21.62	14.843		
4,900.0	4,893.7	5,021.9	4,917.7	9.3	17.4	-85.67	-254.8	303.7	317.1	295.3	21.80	14.548		
5,000.0	4,993.5	5,119.0	5,014.8	9.5	17.4	-86.67	-254.8	301.4	314.3	292.4	21.95	14.318		
5,100.0	5,093.3	5,216.0	5,111.8	9.7	17.5	-87.86	-253.8	300.0	312.5	290.4	22.08	14.153		
5,200.0	5,193.2	5,314.6	5,210.4	9.9	17.6	-89.19	-252.3	299.3	311.6	289.3	22.20	14.032		
5,300.0	5,293.0	5,413.8	5,309.5	10.1	17.7	-90.37	-251.7	298.7	310.9	288.5	22.36	13.902		
5,400.0	5,392.8	5,512.9	5,408.6	10.3	17.8	-91.54	-251.2	298.3	310.6	288.1	22.53	13.787		
5,429.3	5,422.1	5,541.9	5,437.7	10.4	17.8	-91.88	-251.1	298.3	310.6	288.0	22.58	13.756		
5,500.0	5,492.6	5,612.2	5,507.9	10.5	17.9	-92.71	-250.7	298.2	310.7	288.0	22.70	13.687		
5,600.0	5,592.5	5,712.2	5,608.0	10.7	18.0	-93.93	-250.0	298.1	310.9	288.0	22.86	13.596		
5,700.0	5,692.3	5,812.3	5,708.1	10.9	18.1	-95.19	-249.0	297.8	311.2	288.1	23.03	13.508		
5,800.0	5,792.1	5,912.7	5,808.5	11.1	18.2	-96.43	-248.2	297.4	311.4	288.2	23.22	13.414		
5,900.0	5,892.0	6,012.8	5,908.6	11.4	18.3	-97.63	-247.5	296.9	311.6	288.2	23.41	13.310		
6,000.0	5,991.8	6,112.4	6,008.2	11.6	18.4	-98.79	-247.1	296.4	312.0	288.4	23.62	13.206		
6,100.0	6,091.6	6,212.0	6,107.8	11.8	18.5	-99.90	-246.9	295.9	312.5	288.7	23.85	13.106		
6,200.0	6,191.4	6,312.1	6,207.9	12.0	18.6	-100.97	-246.9	295.6	313.2	289.1	24.08	13.007		
6,300.0	6,291.3	6,412.1	6,307.9	12.2	18.7	-102.05	-246.8	295.0	313.9	289.6	24.32	12.907		
6,400.0	6,391.1	6,512.4	6,408.2	12.4	18.8	-103.20	-246.4	294.4	314.6	290.1	24.55	12.813		
6,500.0	6,490.9	6,612.5	6,508.2	12.6	18.9	-104.37	-245.9	293.6	315.3	290.5	24.80	12.716		
6,600.0	6,590.7	6,712.4	6,608.1	12.8	19.0	-105.48	-245.6	292.7	316.1	291.0	25.05	12.618		
6,700.0	6,690.6	6,814.5	6,710.2	12.9	19.2	78.83	-245.4	291.6	316.0	290.7	25.30	12.488		
6,800.0	6,789.5	6,916.7	6,812.4	12.9	19.3	79.79	-245.5	289.7	311.1	285.3	25.80	12.058		
6,900.0	6,883.9	7,009.0	6,904.7	12.9	19.5	86.16	-248.6	287.3	304.0	277.3	26.64	11.410		
6,965.6	6,941.6	7,065.0	6,960.6	12.8	19.5	91.43	-249.5	286.1	301.8	274.5	27.24	11.076 CC, ES		
7,000.0	6,970.3	7,091.4	6,987.0	12.7	19.6	94.11	-249.5	285.8	302.5	275.0	27.50	10.999 SF		
7,100.0	7,045.5	7,168.7	7,064.3	12.6	19.6	102.13	-248.9	285.4	314.3	286.3	27.97	11.236		
7,200.0	7,106.9	7,232.3	7,127.9	12.6	19.7	107.57	-248.2	284.7	344.2	316.3	27.82	12.372		
7,300.0	7,152.1	7,279.2	7,174.8	12.7	19.8	108.56	-247.4	284.1	394.4	366.9	27.52	14.334		
7,400.0	7,179.5	7,311.2	7,206.8	13.1	19.8	104.17	-246.8	283.7	461.9	434.2	27.68	16.685		

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 1B-9H
Project:	DJ Wattenberg	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 1B-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 #2	Offset TVD Reference:	Offset Datum

Offset Design													SWNW S9-T2N-R66W (Davis) - Davis Gas Unit #1 (Existing) - Wellbore #1 - Wellbore #1		Offset Site Error:		0.0 ft
Survey Program:													100-Gyro		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				
7,700.0	7,186.4	7,174.4	7,173.7	15.4	6.3	88.76	787.6	287.7	481.3	459.6	21.66	22.218					
7,800.0	7,185.5	7,176.1	7,175.4	16.5	6.3	89.08	787.7	287.7	406.0	383.3	22.73	17.861					
7,900.0	7,184.6	7,177.7	7,177.0	17.6	6.3	89.41	787.7	287.7	343.6	319.7	23.91	14.370					
8,000.0	7,183.8	7,179.4	7,178.7	18.9	6.3	89.74	787.7	287.7	302.1	277.0	25.18	11.998					
8,083.9	7,183.0	7,180.8	7,180.1	20.0	6.3	90.02	787.8	287.7	290.3	263.9	26.31	11.033	CC, ES				
8,100.0	7,182.9	7,181.1	7,180.4	20.2	6.3	90.07	787.8	287.7	290.7	264.2	26.52	10.960	SF				
8,200.0	7,182.0	7,182.8	7,182.1	21.6	6.3	90.41	787.8	287.7	312.6	284.7	27.93	11.194					
8,300.0	7,181.1	7,184.5	7,183.8	23.1	6.3	90.75	787.9	287.7	361.8	332.5	29.38	12.318					
8,400.0	7,180.3	7,186.2	7,185.5	24.6	6.3	91.09	787.9	287.7	429.1	398.2	30.86	13.903					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 1B-9H
Project:	DJ Wattenberg	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 1B-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 #2	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Ione 10 (Existing) - Existing - Existing												Offset Site Error:	0.0 ft
Survey Program: 100-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
10,400.0	7,162.8	7,184.0	7,183.8	57.6	12.5	90.55	3,471.4	255.1	429.2	359.1	70.09	6.123	
10,500.0	7,161.9	7,183.0	7,182.7	59.3	12.5	90.29	3,471.4	255.1	347.6	275.8	71.81	4.840	
10,600.0	7,161.1	7,182.0	7,181.7	61.0	12.5	90.03	3,471.4	255.1	278.2	204.7	73.52	3.784	
10,700.0	7,160.2	7,180.9	7,180.7	62.7	12.5	89.77	3,471.4	255.1	232.4	157.2	75.24	3.089	
10,767.0	7,159.6	7,180.3	7,180.0	63.9	12.5	89.59	3,471.4	255.1	222.5	146.2	76.38	2.914	CC, ES, SF
10,800.0	7,159.3	7,179.9	7,179.7	64.4	12.5	89.51	3,471.4	255.1	225.0	148.0	76.95	2.924	
10,900.0	7,158.5	7,179.0	7,178.7	66.2	12.5	89.26	3,471.4	255.1	259.3	180.6	78.67	3.296	
11,000.0	7,157.6	7,178.0	7,177.7	67.9	12.5	89.00	3,471.4	255.1	322.2	241.8	80.38	4.009	
11,100.0	7,156.7	7,177.0	7,176.8	69.6	12.5	88.75	3,471.4	255.1	400.5	318.4	82.10	4.879	
11,200.0	7,155.8	7,176.1	7,175.8	71.3	12.5	88.51	3,471.4	255.1	486.8	403.0	83.81	5.809	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 1B-9H
Project:	DJ Wattenberg	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 1B-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 #2	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Ione 34-4 (Existing) - Existing - Existing												Offset Site Error:	0.0 ft
Survey Program: 8021-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
10,000.0	7,166.3	7,185.3	7,185.3	50.8	12.5	-90.33	2,976.6	-374.2	479.5	416.2	63.28	7.577	
10,100.0	7,165.4	7,184.4	7,184.4	52.5	12.5	-90.20	2,976.6	-374.2	432.5	367.6	64.98	6.657	
10,200.0	7,164.6	7,183.6	7,183.6	54.2	12.5	-90.08	2,976.6	-374.2	405.3	338.7	66.68	6.079	
10,263.9	7,164.0	7,183.0	7,183.0	55.2	12.5	-90.00	2,976.6	-374.2	400.3	332.5	67.77	5.906 CC, ES	
10,300.0	7,163.7	7,182.7	7,182.7	55.9	12.5	-89.95	2,976.6	-374.2	401.9	333.5	68.38	5.877 SF	
10,400.0	7,162.8	7,181.8	7,181.8	57.6	12.5	-89.83	2,976.6	-374.2	422.8	352.7	70.09	6.031	
10,500.0	7,161.9	7,180.9	7,180.9	59.3	12.5	-89.71	2,976.6	-374.2	464.7	392.9	71.80	6.472	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 1B-9H
Project:	DJ Wattenberg	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 1B-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 #2	Offset TVD Reference:	Offset Datum

Offset Design													SWNW S9-T2N-R66W (Davis) - Ione 6-4-4 (Existing) - Existing - Existing		Offset Site Error:		0.0 ft
Survey Program:													47-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					
11,700.0	7,151.5	7,442.0	7,192.6	80.0	29.0	94.58	4,826.4	260.1	471.4	369.5	101.92	4.625					
11,800.0	7,150.6	7,438.7	7,189.2	81.7	29.0	93.66	4,826.5	260.1	384.5	280.8	103.75	3.707					
11,900.0	7,149.7	7,435.3	7,185.8	83.4	29.0	92.74	4,826.6	260.2	305.7	200.2	105.55	2.897					
12,000.0	7,148.9	7,431.9	7,182.5	85.2	29.0	91.82	4,826.6	260.2	243.0	135.7	107.33	2.264					
12,100.0	7,148.0	7,428.5	7,179.1	86.9	29.0	90.90	4,826.7	260.3	211.2	102.1	109.09	1.936					
12,122.3	7,147.8	7,427.8	7,178.3	87.3	29.0	90.70	4,826.7	260.3	210.0	100.5	109.48	1.918	CC, ES, SF				
12,200.0	7,147.1	7,425.2	7,175.7	88.7	29.0	89.98	4,826.8	260.3	223.9	113.1	110.82	2.020					
12,300.0	7,146.2	7,421.8	7,172.4	90.4	29.0	89.07	4,826.9	260.4	275.0	162.5	112.53	2.444					
12,400.0	7,145.4	7,418.5	7,169.0	92.1	29.0	88.15	4,827.0	260.4	348.0	233.8	114.21	3.047					
12,500.0	7,144.5	7,415.1	7,165.7	93.9	29.0	87.24	4,827.1	260.4	431.9	316.1	115.86	3.728					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 1B-9H
Project:	DJ Wattenberg	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 1B-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 #2	Offset TVD Reference:	Offset Datum

Offset Design													SWNW S9-T2N-R66W (Davis) - Ione 6-8-4 (Existing) - Existing - Existing		Offset Site Error:		0.0 ft
Survey Program: 9-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					
9,300.0	7,172.4	7,541.6	7,207.9	39.0	33.0	92.44	2,423.5	280.8	494.6	427.6	66.99	7.383					
9,400.0	7,171.5	7,539.1	7,205.4	40.6	33.0	91.89	2,423.5	280.8	413.2	344.6	68.67	6.018					
9,500.0	7,170.7	7,536.6	7,202.9	42.3	33.0	91.35	2,423.6	280.8	341.8	271.5	70.35	4.859					
9,600.0	7,169.8	7,534.1	7,200.4	44.0	33.0	90.79	2,423.6	280.8	288.0	216.0	72.03	3.998					
9,700.0	7,168.9	7,531.6	7,197.9	45.7	33.0	90.24	2,423.7	280.8	262.7	189.0	73.71	3.564					
9,719.7	7,168.8	7,531.1	7,197.4	46.0	33.0	90.13	2,423.7	280.8	262.0	187.9	74.04	3.538	CC, ES, SF				
9,800.0	7,168.0	7,529.0	7,195.3	47.4	33.0	89.69	2,423.7	280.8	274.0	198.6	75.39	3.635					
9,900.0	7,167.2	7,526.5	7,192.8	49.1	33.0	89.14	2,423.7	280.9	318.0	241.0	77.07	4.126					
10,000.0	7,166.3	7,524.0	7,190.3	50.8	33.0	88.58	2,423.8	280.9	383.6	304.9	78.75	4.872					
10,100.0	7,165.4	7,521.4	7,187.7	52.5	33.0	88.03	2,423.8	280.9	461.7	381.3	80.42	5.741					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 1B-9H
Project:	DJ Wattenberg	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 1B-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 #2	Offset TVD Reference:	Offset Datum

Offset Design SWNW S9-T2N-R66W (Davis) - Kugel 1 (Existing) - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program: 7978-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		
13,400.0	7,136.6	7,147.6	7,147.6	109.5	12.5	-92.37	6,583.7	-27.1	485.9	364.0	121.89	3.986		
13,500.0	7,135.8	7,146.8	7,146.8	111.3	12.5	-91.87	6,583.7	-27.1	388.6	264.9	123.67	3.142		
13,600.0	7,134.9	7,145.9	7,145.9	113.0	12.5	-91.37	6,583.7	-27.1	293.1	167.7	125.44	2.337		
13,700.0	7,134.0	7,145.0	7,145.0	114.8	12.5	-90.87	6,583.7	-27.1	202.1	74.9	127.20	1.589		
13,800.0	7,133.1	7,144.1	7,144.1	116.5	12.5	-90.38	6,583.7	-27.1	125.6	-3.4	128.95	0.974 Level 1		
13,875.4	7,132.5	7,143.5	7,143.5	117.8	12.5	-90.00	6,583.7	-27.1	100.4	-29.9	130.27	0.771 Level 1, CC, ES, SF		
13,900.0	7,132.3	7,143.3	7,143.3	118.2	12.5	-89.88	6,583.7	-27.1	103.4	-27.3	130.70	0.791 Level 1		
14,000.0	7,131.4	7,142.4	7,142.4	120.0	12.5	-89.38	6,583.7	-27.1	160.0	27.6	132.43	1.208 Level 2		
14,100.0	7,130.5	7,141.5	7,141.5	121.7	12.4	-88.88	6,583.7	-27.1	246.0	111.8	134.16	1.834		
14,200.0	7,129.7	7,140.7	7,140.7	123.5	12.4	-88.38	6,583.7	-27.1	339.7	203.9	135.88	2.500		
14,300.0	7,128.8	7,139.8	7,139.8	125.2	12.4	-87.89	6,583.7	-27.1	436.3	298.7	137.58	3.171		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 1B-9H
Project:	DJ Wattenberg	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 1B-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 #2	Offset TVD Reference:	Offset Datum

Offset Design													SWNW S9-T2N-R66W (Davis) - Kugel W4-7 (Existing) - Existing - Existing		Offset Site Error:		0.0 ft
Survey Program: 100-Gyro															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					
12,400.0	7,145.4	7,158.6	7,157.3	92.1	6.3	-88.14	5,416.1	-261.5	441.7	343.4	98.34	4.492					
12,500.0	7,144.5	7,158.3	7,157.1	93.9	6.3	-88.09	5,416.1	-261.5	379.7	279.6	100.07	3.794					
12,600.0	7,143.6	7,158.0	7,156.8	95.6	6.3	-88.04	5,416.1	-261.4	336.4	234.6	101.81	3.304					
12,700.0	7,142.7	7,157.7	7,156.5	97.3	6.3	-87.99	5,416.1	-261.4	319.6	216.1	103.54	3.087					
12,704.9	7,142.7	7,157.7	7,156.5	97.4	6.3	-87.99	5,416.1	-261.4	319.6	216.0	103.63	3.084	CC, ES, SF				
12,800.0	7,141.9	7,157.5	7,156.2	99.1	6.3	-87.94	5,416.1	-261.4	333.5	228.2	105.28	3.167					
12,900.0	7,141.0	7,157.2	7,155.9	100.8	6.3	-87.89	5,416.1	-261.4	374.4	267.4	107.01	3.499					
13,000.0	7,140.1	7,156.9	7,155.6	102.6	6.3	-87.83	5,416.1	-261.4	435.0	326.3	108.75	4.000					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Davis 1B-9H
Project:	DJ Wattenberg	TVD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Reference Site:	SWNW S9-T2N-R66W (Davis)	MD Reference:	KB=13' @ 4928.0ft (Ensign 124)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Davis 1B-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 #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=13' @ 4928.0ft (Ensign 124)

Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: Davis 1B-9H

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.47°

