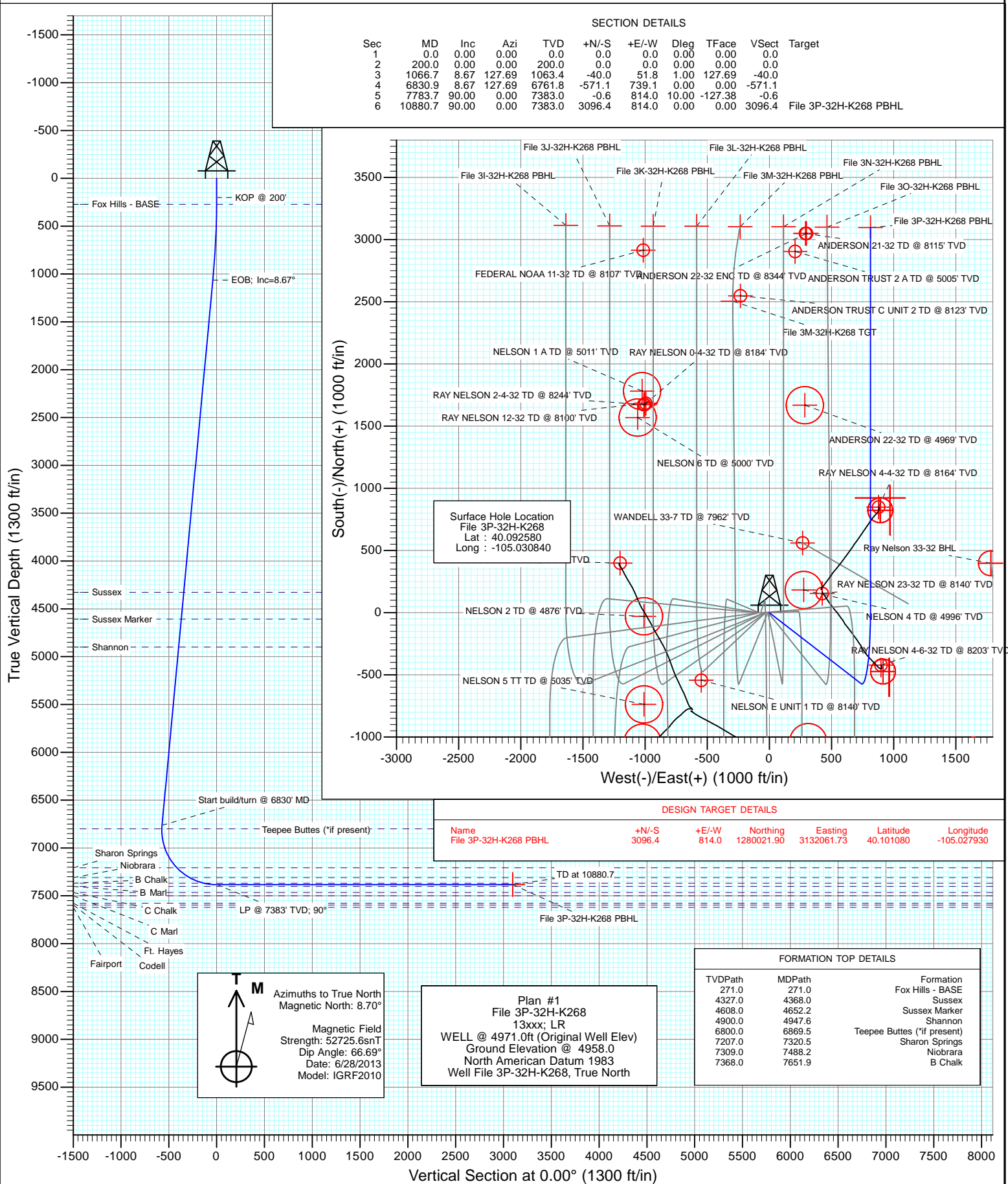




Project: DJ Wattenberg
Site: S32-T2N-R68W (File)
Well: File 3P-32H-K268
Wellbore: Hz
Design: Plan #1



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well File 3P-32H-K268
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site:	S32-T2N-R68W (File)	North Reference:	True
Well:	File 3P-32H-K268	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		S32-T2N-R68W (File)			
Site Position:		Northing:	1,275,973.93 ft	Latitude:	40.089950
From:	Lat/Long	Easting:	3,133,277.97 ft	Longitude:	-105.023660
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.31 °

Well	File 3P-32H-K268					
Well Position	+N/-S	0.0 ft	Northing:	1,276,921.25 ft	Latitude:	40.092580
	+E/-W	0.0 ft	Easting:	3,131,264.08 ft	Longitude:	-105.030840
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,958.0 ft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/28/2013	8.71	66.69	52,726

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	0.00

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	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,066.7	8.67	127.69	1,063.4	-40.0	51.8	1.00	1.00	0.00	127.69	
6,830.9	8.67	127.69	6,761.8	-571.1	739.1	0.00	0.00	0.00	0.00	
7,783.7	90.00	0.00	7,383.0	-0.6	814.0	10.00	8.54	-13.40	-127.38	
10,880.7	90.00	0.00	7,383.0	3,096.4	814.0	0.00	0.00	0.00	0.00	File 3P-32H-K268 PB

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well File 3P-32H-K268
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site:	S32-T2N-R68W (File)	North Reference:	True
Well:	File 3P-32H-K268	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	KOP @ 200'
271.0	0.71	127.69	271.0	-0.3	0.3	-0.3	1.00	1.00	Fox Hills - BASE
300.0	1.00	127.69	300.0	-0.5	0.7	-0.5	1.00	1.00	
400.0	2.00	127.69	400.0	-2.1	2.8	-2.1	1.00	1.00	
500.0	3.00	127.69	499.9	-4.8	6.2	-4.8	1.00	1.00	
600.0	4.00	127.69	599.7	-8.5	11.0	-8.5	1.00	1.00	
700.0	5.00	127.69	699.4	-13.3	17.3	-13.3	1.00	1.00	
800.0	6.00	127.69	798.9	-19.2	24.8	-19.2	1.00	1.00	
900.0	7.00	127.69	898.3	-26.1	33.8	-26.1	1.00	1.00	
1,000.0	8.00	127.69	997.4	-34.1	44.1	-34.1	1.00	1.00	
1,066.7	8.67	127.69	1,063.4	-40.0	51.8	-40.0	1.00	1.00	EOB; Inc=8.67°
1,100.0	8.67	127.69	1,096.3	-43.1	55.7	-43.1	0.00	0.00	
1,200.0	8.67	127.69	1,195.2	-52.3	67.7	-52.3	0.00	0.00	
1,300.0	8.67	127.69	1,294.0	-61.5	79.6	-61.5	0.00	0.00	
1,400.0	8.67	127.69	1,392.9	-70.7	91.5	-70.7	0.00	0.00	
1,500.0	8.67	127.69	1,491.8	-79.9	103.4	-79.9	0.00	0.00	
1,600.0	8.67	127.69	1,590.6	-89.1	115.4	-89.1	0.00	0.00	
1,700.0	8.67	127.69	1,689.5	-98.4	127.3	-98.4	0.00	0.00	
1,800.0	8.67	127.69	1,788.3	-107.6	139.2	-107.6	0.00	0.00	
1,900.0	8.67	127.69	1,887.2	-116.8	151.1	-116.8	0.00	0.00	
2,000.0	8.67	127.69	1,986.0	-126.0	163.1	-126.0	0.00	0.00	
2,100.0	8.67	127.69	2,084.9	-135.2	175.0	-135.2	0.00	0.00	
2,200.0	8.67	127.69	2,183.8	-144.4	186.9	-144.4	0.00	0.00	
2,300.0	8.67	127.69	2,282.6	-153.6	198.8	-153.6	0.00	0.00	
2,400.0	8.67	127.69	2,381.5	-162.9	210.8	-162.9	0.00	0.00	
2,500.0	8.67	127.69	2,480.3	-172.1	222.7	-172.1	0.00	0.00	
2,600.0	8.67	127.69	2,579.2	-181.3	234.6	-181.3	0.00	0.00	
2,700.0	8.67	127.69	2,678.0	-190.5	246.5	-190.5	0.00	0.00	
2,800.0	8.67	127.69	2,776.9	-199.7	258.5	-199.7	0.00	0.00	
2,900.0	8.67	127.69	2,875.8	-208.9	270.4	-208.9	0.00	0.00	
3,000.0	8.67	127.69	2,974.6	-218.1	282.3	-218.1	0.00	0.00	
3,100.0	8.67	127.69	3,073.5	-227.4	294.2	-227.4	0.00	0.00	
3,200.0	8.67	127.69	3,172.3	-236.6	306.2	-236.6	0.00	0.00	
3,300.0	8.67	127.69	3,271.2	-245.8	318.1	-245.8	0.00	0.00	
3,400.0	8.67	127.69	3,370.1	-255.0	330.0	-255.0	0.00	0.00	
3,500.0	8.67	127.69	3,468.9	-264.2	341.9	-264.2	0.00	0.00	
3,600.0	8.67	127.69	3,567.8	-273.4	353.8	-273.4	0.00	0.00	
3,700.0	8.67	127.69	3,666.6	-282.6	365.8	-282.6	0.00	0.00	
3,800.0	8.67	127.69	3,765.5	-291.9	377.7	-291.9	0.00	0.00	
3,900.0	8.67	127.69	3,864.3	-301.1	389.6	-301.1	0.00	0.00	
4,000.0	8.67	127.69	3,963.2	-310.3	401.5	-310.3	0.00	0.00	
4,100.0	8.67	127.69	4,062.1	-319.5	413.5	-319.5	0.00	0.00	
4,200.0	8.67	127.69	4,160.9	-328.7	425.4	-328.7	0.00	0.00	
4,300.0	8.67	127.69	4,259.8	-337.9	437.3	-337.9	0.00	0.00	
4,368.0	8.67	127.69	4,327.0	-344.2	445.4	-344.2	0.00	0.00	Sussex
4,400.0	8.67	127.69	4,358.6	-347.1	449.2	-347.1	0.00	0.00	
4,500.0	8.67	127.69	4,457.5	-356.4	461.2	-356.4	0.00	0.00	
4,600.0	8.67	127.69	4,556.3	-365.6	473.1	-365.6	0.00	0.00	
4,652.2	8.67	127.69	4,608.0	-370.4	479.3	-370.4	0.00	0.00	Sussex Marker
4,700.0	8.67	127.69	4,655.2	-374.8	485.0	-374.8	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well File 3P-32H-K268
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site:	S32-T2N-R68W (File)	North Reference:	True
Well:	File 3P-32H-K268	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
4,800.0	8.67	127.69	4,754.1	-384.0	496.9	-384.0	0.00	0.00	
4,900.0	8.67	127.69	4,852.9	-393.2	508.9	-393.2	0.00	0.00	
4,947.6	8.67	127.69	4,900.0	-397.6	514.5	-397.6	0.00	0.00	Shannon
5,000.0	8.67	127.69	4,951.8	-402.4	520.8	-402.4	0.00	0.00	
5,100.0	8.67	127.69	5,050.6	-411.6	532.7	-411.6	0.00	0.00	
5,200.0	8.67	127.69	5,149.5	-420.9	544.6	-420.9	0.00	0.00	
5,300.0	8.67	127.69	5,248.4	-430.1	556.6	-430.1	0.00	0.00	
5,400.0	8.67	127.69	5,347.2	-439.3	568.5	-439.3	0.00	0.00	
5,500.0	8.67	127.69	5,446.1	-448.5	580.4	-448.5	0.00	0.00	
5,600.0	8.67	127.69	5,544.9	-457.7	592.3	-457.7	0.00	0.00	
5,700.0	8.67	127.69	5,643.8	-466.9	604.3	-466.9	0.00	0.00	
5,800.0	8.67	127.69	5,742.6	-476.1	616.2	-476.1	0.00	0.00	
5,900.0	8.67	127.69	5,841.5	-485.4	628.1	-485.4	0.00	0.00	
6,000.0	8.67	127.69	5,940.4	-494.6	640.0	-494.6	0.00	0.00	
6,100.0	8.67	127.69	6,039.2	-503.8	652.0	-503.8	0.00	0.00	
6,200.0	8.67	127.69	6,138.1	-513.0	663.9	-513.0	0.00	0.00	
6,300.0	8.67	127.69	6,236.9	-522.2	675.8	-522.2	0.00	0.00	
6,400.0	8.67	127.69	6,335.8	-531.4	687.7	-531.4	0.00	0.00	
6,500.0	8.67	127.69	6,434.7	-540.6	699.7	-540.6	0.00	0.00	
6,600.0	8.67	127.69	6,533.5	-549.9	711.6	-549.9	0.00	0.00	
6,700.0	8.67	127.69	6,632.4	-559.1	723.5	-559.1	0.00	0.00	
6,800.0	8.67	127.69	6,731.2	-568.3	735.4	-568.3	0.00	0.00	
6,830.9	8.67	127.69	6,761.8	-571.1	739.1	-571.1	0.00	0.00	Start build/turn @ 6830' MD
6,869.5	7.02	101.75	6,800.0	-573.4	743.7	-573.4	10.00	-4.26	Teepee Buttes (*if present)
6,900.0	7.07	76.67	6,830.3	-573.3	747.4	-573.3	10.00	0.14	
7,000.0	13.48	30.20	6,928.8	-561.8	759.3	-561.8	10.00	6.42	
7,100.0	22.64	16.81	7,023.8	-533.2	770.7	-533.2	10.00	9.16	
7,200.0	32.29	11.00	7,112.4	-488.5	781.4	-488.5	10.00	9.65	
7,300.0	42.09	7.67	7,192.0	-428.9	791.0	-428.9	10.00	9.80	
7,320.5	44.11	7.15	7,207.0	-415.0	792.8	-415.0	10.00	9.85	Sharon Springs
7,400.0	51.95	5.42	7,260.1	-356.3	799.2	-356.3	10.00	9.87	
7,488.2	60.68	3.88	7,309.0	-283.2	805.1	-283.2	10.00	9.90	Niobrara
7,500.0	61.85	3.70	7,314.7	-272.9	805.8	-272.9	10.00	9.91	
7,600.0	71.76	2.28	7,354.0	-181.2	810.5	-181.2	10.00	9.91	
7,651.9	76.91	1.61	7,368.0	-131.3	812.2	-131.3	10.00	9.92	B Chalk
7,700.0	81.69	1.01	7,376.9	-84.1	813.3	-84.1	10.00	9.93	
7,783.7	90.00	0.00	7,383.0	-0.6	814.0	-0.6	10.00	9.93	LP @ 7383' TVD; 90°
7,800.0	90.00	0.00	7,383.0	15.6	814.0	15.6	0.00	0.00	
7,900.0	90.00	0.00	7,383.0	115.6	814.0	115.6	0.00	0.00	
8,000.0	90.00	0.00	7,383.0	215.6	814.0	215.6	0.00	0.00	
8,100.0	90.00	0.00	7,383.0	315.6	814.0	315.6	0.00	0.00	
8,200.0	90.00	0.00	7,383.0	415.6	814.0	415.6	0.00	0.00	
8,300.0	90.00	0.00	7,383.0	515.6	814.0	515.6	0.00	0.00	
8,400.0	90.00	0.00	7,383.0	615.6	814.0	615.6	0.00	0.00	
8,500.0	90.00	0.00	7,383.0	715.6	814.0	715.6	0.00	0.00	
8,600.0	90.00	0.00	7,383.0	815.6	814.0	815.6	0.00	0.00	
8,700.0	90.00	0.00	7,383.0	915.6	814.0	915.6	0.00	0.00	
8,800.0	90.00	0.00	7,383.0	1,015.6	814.0	1,015.6	0.00	0.00	
8,900.0	90.00	0.00	7,383.0	1,115.6	814.0	1,115.6	0.00	0.00	
9,000.0	90.00	0.00	7,383.0	1,215.6	814.0	1,215.6	0.00	0.00	
9,100.0	90.00	0.00	7,383.0	1,315.6	814.0	1,315.6	0.00	0.00	
9,200.0	90.00	0.00	7,383.0	1,415.6	814.0	1,415.6	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well File 3P-32H-K268
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site:	S32-T2N-R68W (File)	North Reference:	True
Well:	File 3P-32H-K268	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
9,300.0	90.00	0.00	7,383.0	1,515.6	814.0	1,515.6	0.00	0.00	
9,400.0	90.00	0.00	7,383.0	1,615.6	814.0	1,615.6	0.00	0.00	
9,500.0	90.00	0.00	7,383.0	1,715.6	814.0	1,715.6	0.00	0.00	
9,600.0	90.00	0.00	7,383.0	1,815.6	814.0	1,815.6	0.00	0.00	
9,700.0	90.00	0.00	7,383.0	1,915.6	814.0	1,915.6	0.00	0.00	
9,800.0	90.00	0.00	7,383.0	2,015.6	814.0	2,015.6	0.00	0.00	
9,900.0	90.00	0.00	7,383.0	2,115.6	814.0	2,115.6	0.00	0.00	
10,000.0	90.00	0.00	7,383.0	2,215.6	814.0	2,215.6	0.00	0.00	
10,100.0	90.00	0.00	7,383.0	2,315.6	814.0	2,315.6	0.00	0.00	
10,200.0	90.00	0.00	7,383.0	2,415.6	814.0	2,415.6	0.00	0.00	
10,300.0	90.00	0.00	7,383.0	2,515.6	814.0	2,515.6	0.00	0.00	
10,400.0	90.00	0.00	7,383.0	2,615.6	814.0	2,615.6	0.00	0.00	
10,500.0	90.00	0.00	7,383.0	2,715.6	814.0	2,715.6	0.00	0.00	
10,600.0	90.00	0.00	7,383.0	2,815.6	814.0	2,815.6	0.00	0.00	
10,700.0	90.00	0.00	7,383.0	2,915.6	814.0	2,915.6	0.00	0.00	
10,800.0	90.00	0.00	7,383.0	3,015.6	814.0	3,015.6	0.00	0.00	
10,880.7	90.00	0.00	7,383.0	3,096.4	814.0	3,096.4	0.00	0.00	TD at 10880.7

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									
File 3P-32H-K268 PBHL	0.00	0.00	7,383.0	3,096.4	814.0	1,280,021.90	3,132,061.73	40.101080	-105.027930
- plan hits target center									
- Point									

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
271.0	271.0	Fox Hills - BASE			
4,368.0	4,327.0	Sussex			
4,652.2	4,608.0	Sussex Marker			
4,947.6	4,900.0	Shannon			
6,869.5	6,800.0	Teepee Buttes (*if present)			
7,320.5	7,207.0	Sharon Springs			
7,488.2	7,309.0	Niobrara			
7,651.9	7,368.0	B Chalk			

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well File 3P-32H-K268
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site:	S32-T2N-R68W (File)	North Reference:	True
Well:	File 3P-32H-K268	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #1		

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
200.0	200.0	0.0	0.0	KOP @ 200'
1,066.7	1,063.4	-40.0	51.8	EOB; Inc=8.67°
6,830.9	6,761.8	-571.1	739.1	Start build/turn @ 6830' MD
7,783.7	7,383.0	-0.6	814.0	LP @ 7383' TVD; 90°
10,880.7	7,383.0	3,096.4	814.0	TD at 10880.7

EnCana Oil & Gas (USA) Inc

DJ Wattenberg

S32-T2N-R68W (File)

File 3P-32H-K268

Hz

Plan #1

Anticollision Report

28 June, 2013

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 500.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program		Date	6/28/2013		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	10,880.7	Plan #1 (Hz)	Geolink MWD	Geolink MWD	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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						
S32-T2N-R68W (File)						
ANDERSON 21-32 (EXISTING) - ENCANA WELL - NO S						Out of range
ANDERSON 22-32 (EXISTING) - KPK WELL - NO SURV						Out of range
ANDERSON 22-32 ENC (EXISTING) - ENCANA WELL -						Out of range
ANDERSON TRUST 2 A (EXISTING) - ENCANA WELL -						Out of range
ANDERSON TRUST C UNIT 2 (EXISTING) - ENCANA W						Out of range
BROWN 22-5 (EXISTING) - ENCANA WELL - NO SURV						Out of range
BROWN 31-5 (EXISTING) - ENCANA WELL - SURVEYS						Out of range
BROWN 41-5 (EXISTING) - ENCANA WELL - Plan #2						Out of range
BROWN 5-3 (EXISTING) - ENCANA WELL - NO SURVE						Out of range
BROWN 5-5 (EXISTING) - ENCANA WELL - NO SURVE						Out of range
BROWN C UNIT 2 (EXISTING) - ENCANA WELL - NO S						Out of range
FEDERAL NOAA 11-32 (EXISTING) - ENCANA WELL - N						Out of range
File 3A-32H-K268 - Hz - Plan #1	200.0	199.0	106.4	105.7	163.403	CC, ES
File 3A-32H-K268 - Hz - Plan #1	900.0	877.9	181.9	178.8	58.237	SF
File 3B-32H-K268 - Hz - Plan #1	200.0	199.0	100.7	100.1	154.712	CC, ES
File 3B-32H-K268 - Hz - Plan #1	800.0	786.0	148.1	145.4	53.815	SF
File 3C-32H-K268 - Hz - Plan #1	200.0	199.0	95.2	94.5	146.224	CC, ES
File 3C-32H-K268 - Hz - Plan #1	900.0	886.0	150.3	147.2	47.974	SF
File 3D-32H-K268 - Hz - Plan #1	200.0	199.0	89.5	88.9	137.522	CC, ES
File 3D-32H-K268 - Hz - Plan #1	800.0	791.7	123.5	120.8	44.758	SF
File 3E-32H-K268 - Hz - Plan #1	200.0	200.0	75.6	75.0	115.859	CC, ES
File 3E-32H-K268 - Hz - Plan #1	800.0	795.5	104.9	102.1	37.886	SF
File 3F-32H-K268 - Hz - Plan #1	200.0	200.0	69.9	69.3	107.151	CC, ES
File 3F-32H-K268 - Hz - Plan #1	900.0	898.3	107.0	103.8	34.260	SF
File 3G-32H-K268 - Hz - Plan #1	200.0	200.0	64.5	63.8	98.738	CC, ES
File 3G-32H-K268 - Hz - Plan #1	1,000.0	1,002.1	96.2	92.7	27.661	SF
File 3H-32H-K268 - Hz - Plan #1	200.0	200.0	58.8	58.1	90.007	CC, ES
File 3H-32H-K268 - Hz - Plan #1	7,709.5	7,462.1	151.4	124.7	5.687	SF
File 3I-32H-K268 - Hz - Plan #1	200.0	200.0	44.9	44.3	68.804	CC, ES
File 3I-32H-K268 - Hz - Plan #1	600.0	595.6	68.6	66.6	33.295	SF
File 3J-32H-K268 - Hz - Plan #1	200.0	200.0	39.2	38.5	60.005	CC, ES
File 3J-32H-K268 - Hz - Plan #1	600.0	596.8	59.8	57.7	28.986	SF
File 3K-32H-K268 - Hz - Plan #1	200.0	200.0	33.8	33.1	51.735	CC, ES
File 3K-32H-K268 - Hz - Plan #1	600.0	598.1	49.1	47.0	23.804	SF
File 3L-32H-K268 - Hz - Plan #1	200.0	200.0	30.8	30.1	47.147	CC, ES
File 3L-32H-K268 - Hz - Plan #1	600.0	599.0	43.8	41.8	21.314	SF
File 3M-32H-K268 - Hz - Plan #1	200.0	200.0	14.5	13.8	22.145	CC, ES
File 3M-32H-K268 - Hz - Plan #1	400.0	399.6	18.7	17.3	13.748	SF
File 3N-32H-K268 - Hz - Plan #1	200.0	200.0	11.2	10.5	17.144	CC, ES
File 3N-32H-K268 - Hz - Plan #1	500.0	500.1	16.8	15.1	9.813	SF
File 3O-32H-K268 - Hz - Plan #1	200.0	200.0	6.7	6.0	10.229	CC
File 3O-32H-K268 - Hz - Plan #1	300.0	300.0	7.0	6.0	6.951	ES
File 3O-32H-K268 - Hz - Plan #1	10,880.7	11,073.0	414.7	315.7	4.187	SF
GENE 11-5 (EXISTING) - KERR-MCGEE WELL - NO SU						Out of range
HIGHLAND 21-5 (EXISTING) - KPK WELL - NO SURVE						Out of range
HOPE 31-5 (EXISTING) - KPK WELL - NO SURVEYS						Out of range
LAURIE 32-5 (EXISTING) - KPK WELL - NO SURVEYS						Out of range
NATALIE 33-5 (EXISTING) - KPK WELL - NO SURVEYS						Out of range
NELSON 1 A (EXISTING) - TEXAS TEA WELL - NO SUR						Out of range
NELSON 2 (EXISTING) - TEXAS TEA WELL - NO SURV						Out of range
NELSON 3 (EXISTING) - TEXAS TEA WELL - NO SURV						Out of range
NELSON 4 (EXISTING) - TEXAS TEA WELL - NO SURV	1,347.8	1,340.3	313.5	308.1	57.873	CC
NELSON 4 (EXISTING) - TEXAS TEA WELL - NO SURV	1,400.0	1,391.9	313.6	307.9	55.350	ES

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 File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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						
S32-T2N-R68W (File)						
NELSON 4 (EXISTING) - TEXAS TEA WELL - NO SURV	3,500.0	3,467.9	451.1	436.9	31.871	SF
NELSON 5 (EXISTING) - VESSELS WELL - NO SURVE						Out of range
NELSON 5 TT (EXISTING) - TEXAS TEA WELL - NO SU						Out of range
NELSON 6 (EXISTING) - VESSELS WELL - NO SURVE						Out of range
NELSON E UNIT 1 (EXISTING) - ENCANA WELL - NO S						Out of range
PAQUETTE 13-5 (EXISTING) - KERR-MCGEE WELL - N						Out of range
PAQUETTE 14-5 (EXISTING) - KERR-MCGEE WELL - N						Out of range
RAY NELSON 0-4-32 (EXISTING) - ENCANA WELL - NO						Out of range
RAY NELSON 12-32 (EXISTING) - ENCANA WELL - NO						Out of range
RAY NELSON 13-32 (EXISTING) - ENCANA WELL - SU						Out of range
RAY NELSON 14-32 (EXISTING) - ENCANA WELL - SU						Out of range
RAY NELSON 23-32 (EXISTING) - ENCANA WELL - NO	2,241.8	2,128.1	382.1	372.5	39.899	CC
RAY NELSON 23-32 (EXISTING) - ENCANA WELL - NO	7,938.4	7,286.0	388.5	361.6	14.448	ES
RAY NELSON 23-32 (EXISTING) - ENCANA WELL - NO	8,000.0	7,286.0	393.4	366.1	14.440	SF
RAY NELSON 24-32 (EXISTING) - ENCANA WELL - SU						Out of range
RAY NELSON 2-4-32 (EXISTING) - ENCANA WELL - NO						Out of range
Ray Nelson 33-32 - DD - Plan #1						Out of range
Ray Nelson 34-32 - DD - Plan #2						Out of range
Ray Nelson 44-32 - DD - Plan #2						Out of range
RAY NELSON 4-4-32 (EXISTING) - ENCANA WELL - SU	8,622.0	7,436.1	68.4	30.0	1.779	CC, ES, SF
RAY NELSON 4-6-32 (EXISTING) - ENCANA WELL - SU	7,200.0	7,166.1	129.0	95.6	3.861	SF
RAY NELSON 4-6-32 (EXISTING) - ENCANA WELL - SU	7,296.2	7,242.9	114.2	84.7	3.867	CC, ES
Ray Nelson 7-8-32 - DD - Plan #1						Out of range
Ray Nelson 8-8-32 - DD - Plan #2						Out of range
SCHRINER 11-5 (EXISTING) - KERR-MCGEE WELL - N						Out of range
SCHRINER 12-5 (EXISTING) - KERR-MCGEE WELL - N						Out of range
WANDELL 33-7 (EXISTING) - ENCANA WELL - Plan #1	8,287.2	7,348.1	467.4	436.3	15.031	CC
WANDELL 33-7 (EXISTING) - ENCANA WELL - Plan #1	8,300.0	7,350.9	467.6	436.3	14.951	ES
WANDELL 33-7 (EXISTING) - ENCANA WELL - Plan #1	8,400.0	7,371.9	480.3	447.6	14.676	SF
WANDELL 41-7 (EXISTING) - ENCANA WELL - Plan #1						Out of range
WANDELL 42-7 (EXISTING) - ENCANA WELL - Plan #1						Out of range
WANDELL 43-7 (EXISTING) - ENCANA WELL - Plan #1						Out of range

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - File 3A-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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	-91.96	-3.6	-106.3	106.4					
100.0	100.0	99.0	99.0	0.2	0.2	-91.96	-3.6	-106.3	106.4	106.1	0.30	352.043		
200.0	200.0	199.0	199.0	0.3	0.3	-91.96	-3.6	-106.3	106.4	105.7	0.65	163.403	CC, ES	
300.0	300.0	297.2	297.2	0.5	0.5	140.58	-3.7	-107.1	107.9	106.9	1.00	108.186		
400.0	400.0	395.2	395.2	0.7	0.7	141.26	-4.1	-109.6	112.5	111.1	1.34	83.631		
500.0	499.9	492.9	492.8	0.9	0.9	142.27	-4.6	-113.7	120.1	118.4	1.69	70.892		
600.0	599.7	590.2	589.9	1.1	1.0	143.48	-5.3	-119.5	130.9	128.8	2.05	63.947		
700.0	699.4	686.9	686.3	1.3	1.3	144.75	-6.3	-126.8	144.7	142.3	2.40	60.266		
800.0	798.9	782.8	781.8	1.5	1.5	146.01	-7.4	-135.7	161.8	159.0	2.76	58.595		
900.0	898.3	877.9	876.3	1.8	1.7	147.17	-8.8	-146.0	181.9	178.8	3.12	58.237	SF	
1,000.0	997.4	972.0	969.7	2.0	2.0	148.22	-10.3	-157.8	205.1	201.6	3.49	58.770		
1,100.0	1,096.3	1,065.0	1,061.7	2.3	2.2	149.17	-12.0	-170.9	231.3	227.4	3.86	59.905		
1,200.0	1,195.2	1,157.1	1,152.7	2.6	2.5	149.94	-13.9	-185.4	259.3	255.1	4.24	61.223		
1,300.0	1,294.0	1,248.4	1,242.6	2.9	2.8	150.49	-15.9	-201.2	288.9	284.3	4.61	62.625		
1,400.0	1,392.9	1,338.9	1,331.4	3.2	3.2	150.85	-18.1	-218.2	319.9	314.9	4.99	64.081		
1,500.0	1,491.8	1,428.4	1,419.0	3.5	3.5	151.08	-20.5	-236.4	352.4	347.0	5.37	65.573		
1,600.0	1,590.6	1,517.0	1,505.5	3.9	3.9	151.20	-23.0	-255.8	386.3	380.5	5.76	67.089		
1,700.0	1,689.5	1,604.7	1,590.7	4.2	4.3	151.25	-25.7	-276.2	421.5	415.4	6.14	68.622		
1,800.0	1,788.3	1,694.2	1,677.3	4.5	4.7	151.24	-28.5	-298.3	458.0	451.5	6.53	70.098		
1,900.0	1,887.2	1,787.2	1,767.4	4.8	5.1	151.22	-31.5	-321.5	494.7	487.8	6.93	71.353		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - File 3B-32H-K268 - Hz - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink 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 Axis	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-90.00	0.0	-100.7	100.7					
100.0	100.0	99.0	99.0	0.2	0.2	-90.00	0.0	-100.7	100.7	100.4	0.30	333.318		
200.0	200.0	199.0	199.0	0.3	0.3	-90.00	0.0	-100.7	100.7	100.1	0.65	154.712	CC, ES	
300.0	300.0	299.0	299.0	0.5	0.5	142.60	0.0	-100.7	101.4	100.4	1.00	101.375		
400.0	400.0	397.2	397.2	0.7	0.7	143.48	0.1	-101.5	104.3	103.0	1.35	77.409		
500.0	499.9	495.1	495.1	0.9	0.8	144.86	0.3	-104.0	110.4	108.7	1.70	65.066		
600.0	599.7	592.7	592.6	1.1	1.0	146.56	0.7	-108.2	119.7	117.7	2.05	58.459		
700.0	699.4	689.7	689.4	1.3	1.2	148.37	1.2	-113.9	132.3	129.9	2.40	55.118		
800.0	798.9	786.0	785.4	1.5	1.4	150.14	1.9	-121.2	148.1	145.4	2.75	53.815	SF	
900.0	898.3	881.4	880.4	1.8	1.6	151.78	2.7	-130.1	167.2	164.1	3.10	53.863		
1,000.0	997.4	975.8	974.2	2.0	1.9	153.24	3.7	-140.4	189.6	186.2	3.46	54.844		
1,100.0	1,096.3	1,069.1	1,066.8	2.3	2.1	154.53	4.8	-152.0	215.1	211.3	3.81	56.462		
1,200.0	1,195.2	1,161.5	1,158.2	2.6	2.4	155.58	6.0	-165.1	242.6	238.4	4.16	58.262		
1,300.0	1,294.0	1,253.0	1,248.7	2.9	2.7	156.38	7.3	-179.5	271.7	267.2	4.52	60.135		
1,400.0	1,392.9	1,343.7	1,338.0	3.2	3.0	156.96	8.8	-195.1	302.3	297.4	4.87	62.053		
1,500.0	1,491.8	1,435.0	1,427.6	3.5	3.3	157.40	10.4	-212.2	334.3	329.1	5.23	63.957		
1,600.0	1,590.6	1,529.6	1,520.4	3.9	3.6	157.77	12.1	-230.3	366.8	361.2	5.59	65.610		
1,700.0	1,689.5	1,624.1	1,613.2	4.2	4.0	158.08	13.8	-248.4	399.2	393.3	5.95	67.053		
1,800.0	1,788.3	1,718.7	1,706.0	4.5	4.3	158.34	15.5	-266.5	431.7	425.3	6.32	68.324		
1,900.0	1,887.2	1,813.3	1,798.9	4.8	4.7	158.57	17.2	-284.6	464.1	457.4	6.68	69.451		
2,000.0	1,986.0	1,907.9	1,891.7	5.1	5.0	158.76	18.8	-302.6	496.6	489.5	7.05	70.456		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - File 3C-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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 Axis	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-92.20	-3.6	-95.1	95.2					
100.0	100.0	99.0	99.0	0.2	0.2	-92.20	-3.6	-95.1	95.2	94.9	0.30	315.032		
200.0	200.0	199.0	199.0	0.3	0.3	-92.20	-3.6	-95.1	95.2	94.5	0.65	146.224	CC, ES	
300.0	300.0	299.0	299.0	0.5	0.5	140.44	-3.6	-95.1	95.9	94.9	1.00	95.827		
400.0	400.0	399.0	399.0	0.7	0.7	141.40	-3.6	-95.1	97.9	96.5	1.35	72.451		
500.0	499.9	497.2	497.2	0.9	0.8	142.77	-3.9	-95.9	102.2	100.5	1.70	60.036		
600.0	599.7	595.1	595.1	1.1	1.0	144.28	-4.5	-98.3	109.5	107.5	2.05	53.305		
700.0	699.4	692.7	692.6	1.3	1.2	145.80	-5.5	-102.4	120.0	117.6	2.41	49.783		
800.0	798.9	789.7	789.4	1.5	1.4	147.20	-7.0	-107.9	133.6	130.8	2.77	48.236		
900.0	898.3	886.0	885.4	1.8	1.6	148.44	-8.9	-115.1	150.3	147.2	3.13	47.974	SF	
1,000.0	997.4	981.5	980.5	2.0	1.8	149.48	-11.1	-123.6	170.1	166.6	3.50	48.578		
1,100.0	1,096.3	1,076.0	1,074.5	2.3	2.0	150.37	-13.7	-133.7	192.8	188.9	3.87	49.759		
1,200.0	1,195.2	1,169.9	1,167.6	2.6	2.3	151.00	-16.7	-145.1	217.3	213.1	4.25	51.091		
1,300.0	1,294.0	1,263.0	1,259.8	2.9	2.5	151.36	-20.1	-157.9	243.4	238.7	4.64	52.470		
1,400.0	1,392.9	1,355.4	1,351.0	3.2	2.8	151.51	-23.7	-172.0	270.8	265.8	5.03	53.873		
1,500.0	1,491.8	1,448.4	1,442.6	3.5	3.1	151.51	-27.8	-187.6	299.6	294.1	5.42	55.260		
1,600.0	1,590.6	1,544.1	1,536.7	3.9	3.4	151.49	-32.1	-203.9	328.6	322.8	5.82	56.436		
1,700.0	1,689.5	1,639.7	1,630.9	4.2	3.7	151.47	-36.4	-220.3	357.7	351.5	6.23	57.443		
1,800.0	1,788.3	1,735.4	1,725.1	4.5	4.1	151.45	-40.6	-236.7	386.8	380.2	6.63	58.313		
1,900.0	1,887.2	1,831.1	1,819.2	4.8	4.4	151.44	-44.9	-253.0	415.9	408.9	7.04	59.072		
2,000.0	1,986.0	1,926.8	1,913.4	5.1	4.7	151.43	-49.2	-269.4	445.0	437.6	7.45	59.739		
2,100.0	2,084.9	2,022.4	2,007.6	5.4	5.0	151.41	-53.5	-285.7	474.1	466.2	7.86	60.330		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - File 3D-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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	-90.00	0.0	-89.5	89.5					
100.0	100.0	99.0	99.0	0.2	0.2	-90.00	0.0	-89.5	89.5	89.2	0.30	296.283		
200.0	200.0	199.0	199.0	0.3	0.3	-90.00	0.0	-89.5	89.5	88.9	0.65	137.522 CC, ES		
300.0	300.0	299.0	299.0	0.5	0.5	142.64	0.0	-89.5	90.2	89.2	1.00	90.188		
400.0	400.0	399.0	399.0	0.7	0.7	143.61	0.0	-89.5	92.3	91.0	1.35	68.332		
500.0	499.9	498.9	498.9	0.9	0.8	145.14	0.0	-89.5	95.9	94.2	1.70	56.270		
600.0	599.7	597.0	597.0	1.1	1.0	147.09	0.1	-90.3	101.8	99.7	2.06	49.513		
700.0	699.4	694.6	694.6	1.3	1.2	149.30	0.5	-92.8	111.0	108.6	2.41	46.087		
800.0	798.9	791.7	791.6	1.5	1.4	151.54	1.2	-96.9	123.5	120.8	2.76	44.758 SF		
900.0	898.3	888.1	887.8	1.8	1.6	153.63	2.1	-102.5	139.5	136.4	3.11	44.831		
1,000.0	997.4	983.6	983.1	2.0	1.7	155.48	3.3	-109.7	158.8	155.4	3.46	45.882		
1,100.0	1,096.3	1,078.1	1,077.1	2.3	2.0	157.09	4.7	-118.3	181.4	177.6	3.81	47.606		
1,200.0	1,195.2	1,173.1	1,171.6	2.6	2.2	158.39	6.4	-128.4	205.9	201.7	4.16	49.474		
1,300.0	1,294.0	1,269.9	1,267.8	2.9	2.4	159.43	8.1	-138.9	230.7	226.2	4.52	51.102		
1,400.0	1,392.9	1,366.7	1,364.0	3.2	2.6	160.26	9.9	-149.5	255.7	250.8	4.87	52.505		
1,500.0	1,491.8	1,463.5	1,460.2	3.5	2.9	160.95	11.6	-160.1	280.6	275.4	5.22	53.725		
1,600.0	1,590.6	1,560.3	1,556.4	3.9	3.1	161.52	13.3	-170.6	305.6	300.0	5.58	54.794		
1,700.0	1,689.5	1,657.0	1,652.5	4.2	3.3	162.01	15.1	-181.2	330.6	324.7	5.93	55.738		
1,800.0	1,788.3	1,753.8	1,748.7	4.5	3.6	162.43	16.8	-191.8	355.7	349.4	6.29	56.577		
1,900.0	1,887.2	1,850.6	1,844.9	4.8	3.8	162.79	18.5	-202.3	380.7	374.1	6.64	57.327		
2,000.0	1,986.0	1,947.4	1,941.1	5.1	4.1	163.11	20.3	-212.9	405.8	398.8	7.00	58.002		
2,100.0	2,084.9	2,044.2	2,037.3	5.4	4.3	163.39	22.0	-223.4	430.8	423.5	7.35	58.612		
2,200.0	2,183.8	2,141.0	2,133.5	5.7	4.6	163.64	23.7	-234.0	455.9	448.2	7.71	59.166		
2,300.0	2,282.6	2,237.8	2,229.7	6.0	4.8	163.87	25.5	-244.6	481.0	473.0	8.06	59.671		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - File 3E-32H-K268 - Hz - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink 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	-92.77	-3.7	-75.5	75.6					
100.0	100.0	100.0	100.0	0.2	0.2	-92.77	-3.7	-75.5	75.6	75.3	0.30	249.029		
200.0	200.0	200.0	200.0	0.3	0.3	-92.77	-3.7	-75.5	75.6	75.0	0.65	115.859	CC, ES	
300.0	300.0	300.0	300.0	0.5	0.5	139.96	-3.7	-75.5	76.3	75.3	1.00	76.130		
400.0	400.0	400.0	400.0	0.7	0.7	141.18	-3.7	-75.5	78.3	77.0	1.35	57.884		
500.0	499.9	499.9	499.9	0.9	0.8	143.07	-3.7	-75.5	81.8	80.1	1.71	47.924		
600.0	599.7	599.7	599.7	1.1	1.0	145.47	-3.7	-75.5	86.7	84.7	2.06	42.071		
700.0	699.4	697.8	697.8	1.3	1.2	148.27	-3.3	-76.3	94.1	91.7	2.42	38.965		
800.0	798.9	795.5	795.4	1.5	1.4	151.33	-2.3	-78.6	104.9	102.1	2.77	37.886	SF	
900.0	898.3	892.8	892.7	1.8	1.5	154.31	-0.7	-82.4	119.1	115.9	3.12	38.175		
1,000.0	997.4	991.3	991.0	2.0	1.7	157.01	1.1	-86.7	135.6	132.2	3.47	39.094		
1,100.0	1,096.3	1,089.4	1,089.0	2.3	1.9	159.34	2.9	-91.0	153.9	150.1	3.82	40.325		
1,200.0	1,195.2	1,187.4	1,187.0	2.6	2.1	161.26	4.7	-95.3	172.8	168.7	4.17	41.482		
1,300.0	1,294.0	1,285.5	1,284.9	2.9	2.3	162.80	6.5	-99.6	191.9	187.4	4.51	42.506		
1,400.0	1,392.9	1,383.5	1,382.9	3.2	2.5	164.05	8.4	-103.9	211.0	206.2	4.86	43.413		
1,500.0	1,491.8	1,481.6	1,480.8	3.5	2.6	165.10	10.2	-108.2	230.3	225.0	5.21	44.221		
1,600.0	1,590.6	1,579.6	1,578.7	3.9	2.8	165.99	12.0	-112.5	249.5	244.0	5.55	44.943		
1,700.0	1,689.5	1,677.7	1,676.7	4.2	3.0	166.75	13.8	-116.7	268.9	263.0	5.90	45.590		
1,800.0	1,788.3	1,775.8	1,774.6	4.5	3.2	167.41	15.6	-121.0	288.3	282.0	6.24	46.174		
1,900.0	1,887.2	1,873.8	1,872.6	4.8	3.4	167.99	17.5	-125.3	307.7	301.1	6.59	46.702		
2,000.0	1,986.0	1,971.9	1,970.5	5.1	3.6	168.50	19.3	-129.6	327.1	320.2	6.93	47.182		
2,100.0	2,084.9	2,069.9	2,068.5	5.4	3.8	168.95	21.1	-133.9	346.6	339.3	7.28	47.620		
2,200.0	2,183.8	2,168.0	2,166.4	5.7	4.0	169.35	22.9	-138.2	366.1	358.5	7.62	48.021		
2,300.0	2,282.6	2,266.0	2,264.3	6.0	4.1	169.71	24.7	-142.5	385.6	377.6	7.97	48.389		
2,400.0	2,381.5	2,364.1	2,362.3	6.4	4.3	170.04	26.6	-146.8	405.1	396.8	8.31	48.729		
2,500.0	2,480.3	2,462.1	2,460.2	6.7	4.5	170.33	28.4	-151.1	424.6	415.9	8.66	49.042		
2,600.0	2,579.2	2,560.2	2,558.2	7.0	4.7	170.61	30.2	-155.4	444.1	435.1	9.00	49.333		
2,700.0	2,678.0	2,658.2	2,656.1	7.3	4.9	170.85	32.0	-159.7	463.7	454.3	9.35	49.603		
2,800.0	2,776.9	2,756.3	2,754.1	7.6	5.1	171.08	33.8	-164.0	483.2	473.5	9.69	49.855		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - File 3F-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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	-90.01	0.0	-69.9	69.9					
100.0	100.0	100.0	100.0	0.2	0.2	-90.01	0.0	-69.9	69.9	69.6	0.30	230.314		
200.0	200.0	200.0	200.0	0.3	0.3	-90.01	0.0	-69.9	69.9	69.3	0.65	107.151 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	142.73	0.0	-69.9	70.6	69.6	1.00	70.488		
400.0	400.0	400.0	400.0	0.7	0.7	143.96	0.0	-69.9	72.7	71.4	1.35	53.773		
500.0	499.9	499.9	499.9	0.9	0.8	145.87	0.0	-69.9	76.3	74.6	1.71	44.753		
600.0	599.7	599.7	599.7	1.1	1.0	148.25	0.0	-69.9	81.4	79.4	2.06	39.547		
700.0	699.4	699.4	699.4	1.3	1.2	150.90	0.0	-69.9	88.2	85.8	2.41	36.537		
800.0	798.9	798.9	798.9	1.5	1.4	153.62	0.0	-69.9	96.7	93.9	2.77	34.923		
900.0	898.3	898.3	898.3	1.8	1.5	156.27	0.0	-69.9	107.0	103.8	3.12	34.260 SF		
1,000.0	997.4	997.4	997.4	2.0	1.7	158.75	0.0	-69.9	119.0	115.6	3.47	34.274		
1,100.0	1,096.3	1,096.3	1,096.3	2.3	1.9	161.02	0.0	-69.9	132.9	129.0	3.82	34.755		
1,200.0	1,195.2	1,195.2	1,195.2	2.6	2.1	162.92	0.0	-69.9	147.2	143.0	4.17	35.282		
1,300.0	1,294.0	1,294.0	1,294.0	2.9	2.2	164.49	0.0	-69.9	161.7	157.2	4.52	35.768		
1,400.0	1,392.9	1,392.9	1,392.9	3.2	2.4	165.80	0.0	-69.9	176.3	171.4	4.87	36.212		
1,500.0	1,491.8	1,491.8	1,491.8	3.5	2.6	166.91	0.0	-69.9	190.9	185.7	5.21	36.616		
1,600.0	1,590.6	1,590.6	1,590.6	3.9	2.8	167.86	0.0	-69.9	205.6	200.1	5.56	36.984		
1,700.0	1,689.5	1,689.5	1,689.5	4.2	2.9	168.68	0.0	-69.9	220.4	214.5	5.91	37.319		
1,800.0	1,788.3	1,788.3	1,788.3	4.5	3.1	169.40	0.0	-69.9	235.2	228.9	6.25	37.625		
1,900.0	1,887.2	1,887.2	1,887.2	4.8	3.3	170.04	0.0	-69.9	250.0	243.4	6.60	37.904		
2,000.0	1,986.0	1,986.0	1,986.0	5.1	3.4	170.60	0.0	-69.9	264.9	257.9	6.94	38.159		
2,100.0	2,084.9	2,084.9	2,084.9	5.4	3.6	171.11	0.0	-69.9	279.8	272.5	7.29	38.394		
2,200.0	2,183.8	2,183.8	2,183.8	5.7	3.8	171.56	0.0	-69.9	294.7	287.0	7.63	38.611		
2,300.0	2,282.6	2,282.6	2,282.6	6.0	4.0	171.97	0.0	-69.9	309.6	301.6	7.98	38.810		
2,400.0	2,381.5	2,381.5	2,381.5	6.4	4.1	172.34	0.0	-69.9	324.5	316.2	8.32	38.995		
2,500.0	2,480.3	2,480.3	2,480.3	6.7	4.3	172.68	0.0	-69.9	339.5	330.8	8.67	39.166		
2,600.0	2,579.2	2,579.2	2,579.2	7.0	4.5	172.99	0.0	-69.9	354.4	345.4	9.01	39.325		
2,700.0	2,678.0	2,678.0	2,678.0	7.3	4.7	173.27	0.0	-69.9	369.4	360.0	9.36	39.474		
2,800.0	2,776.9	2,776.9	2,776.9	7.6	4.8	173.54	0.0	-69.9	384.4	374.7	9.70	39.612		
2,900.0	2,875.8	2,875.8	2,875.8	7.9	5.0	173.78	0.0	-69.9	399.3	389.3	10.05	39.742		
3,000.0	2,974.6	2,974.6	2,974.6	8.3	5.2	174.01	0.0	-69.9	414.3	403.9	10.39	39.864		
3,100.0	3,073.5	3,073.5	3,073.5	8.6	5.3	174.22	0.0	-69.9	429.3	418.6	10.74	39.978		
3,200.0	3,172.3	3,172.3	3,172.3	8.9	5.5	174.41	0.0	-69.9	444.3	433.2	11.08	40.085		
3,300.0	3,271.2	3,271.2	3,271.2	9.2	5.7	174.60	0.0	-69.9	459.3	447.9	11.43	40.186		
3,400.0	3,370.1	3,370.1	3,370.1	9.5	5.9	174.77	0.0	-69.9	474.3	462.5	11.77	40.282		
3,500.0	3,468.9	3,468.9	3,468.9	9.8	6.0	174.93	0.0	-69.9	489.3	477.2	12.12	40.372		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - File 3G-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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	-93.24	-3.6	-64.3	64.5					
100.0	100.0	100.0	100.0	0.2	0.2	-93.24	-3.6	-64.3	64.5	64.1	0.30	212.229		
200.0	200.0	200.0	200.0	0.3	0.3	-93.24	-3.6	-64.3	64.5	63.8	0.65	98.738 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	139.56	-3.6	-64.3	65.1	64.1	1.00	64.973		
400.0	400.0	400.0	400.0	0.7	0.7	141.00	-3.6	-64.3	67.1	65.8	1.35	49.613		
500.0	499.9	499.9	499.9	0.9	0.8	143.21	-3.6	-64.3	70.6	68.9	1.71	41.366		
600.0	599.7	601.0	601.0	1.1	1.0	146.07	-3.6	-63.5	74.7	72.6	2.06	36.195		
700.0	699.4	702.1	702.1	1.3	1.2	149.50	-3.5	-60.8	78.7	76.3	2.42	32.506		
800.0	798.9	802.9	802.8	1.5	1.4	153.40	-3.3	-56.4	82.9	80.1	2.78	29.836		
900.0	898.3	902.6	902.3	1.8	1.6	157.41	-3.0	-51.6	88.5	85.4	3.13	28.287		
1,000.0	997.4	1,002.1	1,001.7	2.0	1.8	161.25	-2.8	-46.8	96.2	92.7	3.48	27.661 SF		
1,100.0	1,096.3	1,101.4	1,101.0	2.3	1.9	164.76	-2.6	-42.0	105.9	102.0	3.83	27.675		
1,200.0	1,195.2	1,200.7	1,200.1	2.6	2.1	167.73	-2.3	-37.1	116.2	112.0	4.17	27.848		
1,300.0	1,294.0	1,300.0	1,299.3	2.9	2.3	170.21	-2.1	-32.3	126.8	122.3	4.52	28.051		
1,400.0	1,392.9	1,399.3	1,398.5	3.2	2.5	172.31	-1.9	-27.5	137.6	132.8	4.87	28.260		
1,500.0	1,491.8	1,498.6	1,497.7	3.5	2.7	174.10	-1.6	-22.7	148.6	143.4	5.22	28.463		
1,600.0	1,590.6	1,597.9	1,596.9	3.9	2.9	175.64	-1.4	-17.9	159.7	154.1	5.57	28.655		
1,700.0	1,689.5	1,697.2	1,696.0	4.2	3.1	176.98	-1.2	-13.1	170.9	165.0	5.93	28.834		
1,800.0	1,788.3	1,796.5	1,795.2	4.5	3.3	178.16	-0.9	-8.3	182.1	175.9	6.28	28.999		
1,900.0	1,887.2	1,895.8	1,894.4	4.8	3.5	179.20	-0.7	-3.5	193.5	186.8	6.64	29.150		
2,000.0	1,986.0	1,995.1	1,993.6	5.1	3.7	-179.88	-0.5	1.3	204.9	197.9	7.00	29.288		
2,100.0	2,084.9	2,094.4	2,092.8	5.4	3.8	-179.05	-0.2	6.1	216.3	209.0	7.35	29.414		
2,200.0	2,183.8	2,193.7	2,191.9	5.7	4.0	-178.31	0.0	10.9	227.8	220.1	7.71	29.530		
2,300.0	2,282.6	2,293.0	2,291.1	6.0	4.2	-177.64	0.2	15.7	239.3	231.2	8.08	29.635		
2,400.0	2,381.5	2,392.3	2,390.3	6.4	4.4	-177.03	0.5	20.5	250.9	242.4	8.44	29.732		
2,500.0	2,480.3	2,491.6	2,489.5	6.7	4.6	-176.47	0.7	25.4	262.4	253.6	8.80	29.820		
2,600.0	2,579.2	2,590.9	2,588.7	7.0	4.8	-175.96	0.9	30.2	274.0	264.9	9.16	29.902		
2,700.0	2,678.0	2,690.2	2,687.9	7.3	5.0	-175.49	1.2	35.0	285.6	276.1	9.53	29.977		
2,800.0	2,776.9	2,789.5	2,787.0	7.6	5.2	-175.06	1.4	39.8	297.3	287.4	9.89	30.046		
2,900.0	2,875.8	2,888.8	2,886.2	7.9	5.4	-174.66	1.6	44.6	308.9	298.6	10.26	30.111		
3,000.0	2,974.6	2,988.1	2,985.4	8.3	5.6	-174.29	1.8	49.4	320.6	309.9	10.63	30.170		
3,100.0	3,073.5	3,087.4	3,084.6	8.6	5.8	-173.95	2.1	54.2	332.2	321.2	10.99	30.226		
3,200.0	3,172.3	3,186.7	3,183.8	8.9	6.0	-173.63	2.3	59.0	343.9	332.6	11.36	30.277		
3,300.0	3,271.2	3,286.0	3,282.9	9.2	6.2	-173.33	2.5	63.8	355.6	343.9	11.73	30.325		
3,400.0	3,370.1	3,385.3	3,382.1	9.5	6.3	-173.05	2.8	68.6	367.3	355.2	12.09	30.370		
3,500.0	3,468.9	3,484.6	3,481.3	9.8	6.5	-172.78	3.0	73.4	379.0	366.6	12.46	30.412		
3,600.0	3,567.8	3,583.9	3,580.5	10.1	6.7	-172.54	3.2	78.2	390.7	377.9	12.83	30.452		
3,700.0	3,666.6	3,683.2	3,679.7	10.5	6.9	-172.30	3.5	83.0	402.5	389.3	13.20	30.489		
3,800.0	3,765.5	3,782.5	3,778.8	10.8	7.1	-172.08	3.7	87.9	414.2	400.6	13.57	30.523		
3,900.0	3,864.3	3,881.8	3,878.0	11.1	7.3	-171.88	3.9	92.7	425.9	412.0	13.94	30.556		
4,000.0	3,963.2	3,981.1	3,977.2	11.4	7.5	-171.68	4.2	97.5	437.7	423.3	14.31	30.587		
4,100.0	4,062.1	4,080.4	4,076.4	11.7	7.7	-171.49	4.4	102.3	449.4	434.7	14.68	30.617		
4,200.0	4,160.9	4,179.7	4,175.6	12.0	7.9	-171.32	4.6	107.1	461.2	446.1	15.05	30.644		
4,300.0	4,259.8	4,279.0	4,274.7	12.4	8.1	-171.15	4.9	111.9	472.9	457.5	15.42	30.671		
4,400.0	4,358.6	4,378.3	4,373.9	12.7	8.3	-170.99	5.1	116.7	484.7	468.9	15.79	30.695		
4,500.0	4,457.5	4,477.6	4,473.1	13.0	8.5	-170.84	5.3	121.5	496.4	480.3	16.16	30.719		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - File 3H-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink 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	-90.00	0.0	-58.8	58.8					
100.0	100.0	100.0	100.0	0.2	0.2	-90.00	0.0	-58.8	58.8	58.4	0.30	193.464		
200.0	200.0	200.0	200.0	0.3	0.3	-90.00	0.0	-58.8	58.8	58.1	0.65	90.007 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	142.81	0.0	-58.8	59.4	58.4	1.00	59.321		
400.0	400.0	400.5	400.5	0.7	0.7	144.31	0.0	-58.5	61.3	60.0	1.35	45.312		
500.0	499.9	501.5	501.5	0.9	0.9	146.81	0.2	-56.8	63.2	61.5	1.71	36.997		
600.0	599.7	602.6	602.5	1.1	1.0	150.27	0.4	-53.2	64.9	62.9	2.06	31.466		
700.0	699.4	703.5	703.3	1.3	1.2	154.62	0.8	-47.9	66.8	64.4	2.42	27.598		
800.0	798.9	804.5	804.0	1.5	1.4	159.77	1.4	-40.8	69.0	66.2	2.78	24.849		
900.0	898.3	905.3	904.4	1.8	1.7	165.56	2.1	-31.9	71.8	68.7	3.13	22.909		
1,000.0	997.4	1,005.5	1,004.1	2.0	1.9	171.71	2.9	-21.6	75.7	72.2	3.50	21.623		
1,100.0	1,096.3	1,105.1	1,103.1	2.3	2.1	177.35	3.7	-11.0	81.8	77.9	3.88	21.076		
1,200.0	1,195.2	1,204.5	1,202.0	2.6	2.4	-177.83	4.5	-0.4	88.9	84.6	4.28	20.780		
1,300.0	1,294.0	1,304.0	1,300.9	2.9	2.6	-173.74	5.4	10.2	96.6	91.9	4.69	20.574		
1,400.0	1,392.9	1,403.5	1,399.8	3.2	2.8	-170.27	6.2	20.8	104.7	99.5	5.13	20.421		
1,500.0	1,491.8	1,503.0	1,498.7	3.5	3.1	-167.31	7.0	31.4	113.1	107.5	5.57	20.302		
1,600.0	1,590.6	1,602.5	1,597.7	3.9	3.3	-164.76	7.8	42.0	121.8	115.8	6.03	20.207		
1,700.0	1,689.5	1,702.0	1,696.6	4.2	3.6	-162.56	8.6	52.6	130.7	124.2	6.49	20.129		
1,800.0	1,788.3	1,801.5	1,795.5	4.5	3.8	-160.63	9.5	63.2	139.7	132.8	6.96	20.064		
1,900.0	1,887.2	1,900.9	1,894.4	4.8	4.1	-158.95	10.3	73.8	148.9	141.5	7.44	20.010		
2,000.0	1,986.0	2,000.4	1,993.3	5.1	4.3	-157.46	11.1	84.4	158.2	150.3	7.93	19.964		
2,100.0	2,084.9	2,099.9	2,092.2	5.4	4.6	-156.13	11.9	95.0	167.6	159.2	8.41	19.926		
2,200.0	2,183.8	2,199.4	2,191.2	5.7	4.8	-154.95	12.8	105.6	177.1	168.2	8.90	19.893		
2,300.0	2,282.6	2,298.9	2,290.1	6.0	5.1	-153.88	13.6	116.2	186.7	177.3	9.40	19.866		
2,400.0	2,381.5	2,398.4	2,389.0	6.4	5.3	-152.93	14.4	126.8	196.3	186.4	9.89	19.842		
2,500.0	2,480.3	2,497.9	2,487.9	6.7	5.6	-152.06	15.2	137.4	205.9	195.6	10.39	19.822		
2,600.0	2,579.2	2,597.3	2,586.8	7.0	5.8	-151.26	16.1	148.0	215.6	204.8	10.89	19.805		
2,700.0	2,678.0	2,696.8	2,685.7	7.3	6.1	-150.54	16.9	158.6	225.4	214.0	11.39	19.791		
2,800.0	2,776.9	2,796.3	2,784.7	7.6	6.4	-149.88	17.7	169.2	235.2	223.3	11.89	19.778		
2,900.0	2,875.8	2,895.8	2,883.6	7.9	6.6	-149.27	18.5	179.8	245.0	232.6	12.39	19.768		
3,000.0	2,974.6	2,995.3	2,982.5	8.3	6.9	-148.70	19.3	190.4	254.8	241.9	12.89	19.759		
3,100.0	3,073.5	3,094.8	3,081.4	8.6	7.1	-148.18	20.2	201.0	264.6	251.2	13.40	19.751		
3,200.0	3,172.3	3,194.3	3,180.3	8.9	7.4	-147.70	21.0	211.6	274.5	260.6	13.90	19.744		
3,300.0	3,271.2	3,293.8	3,279.2	9.2	7.6	-147.25	21.8	222.2	284.4	270.0	14.41	19.739		
3,400.0	3,370.1	3,393.2	3,378.2	9.5	7.9	-146.83	22.6	232.8	294.3	279.4	14.91	19.734		
3,500.0	3,468.9	3,492.7	3,477.1	9.8	8.1	-146.44	23.5	243.3	304.2	288.8	15.42	19.730		
3,600.0	3,567.8	3,592.2	3,576.0	10.1	8.4	-146.07	24.3	253.9	314.1	298.2	15.92	19.726		
3,700.0	3,666.6	3,691.7	3,674.9	10.5	8.6	-145.72	25.1	264.5	324.1	307.6	16.43	19.724		
3,800.0	3,765.5	3,791.2	3,773.8	10.8	8.9	-145.40	25.9	275.1	334.0	317.1	16.94	19.721		
3,900.0	3,864.3	3,890.7	3,872.7	11.1	9.1	-145.09	26.7	285.7	344.0	326.5	17.44	19.719		
4,000.0	3,963.2	3,990.2	3,971.7	11.4	9.4	-144.80	27.6	296.3	354.0	336.0	17.95	19.718		
4,100.0	4,062.1	4,089.6	4,070.6	11.7	9.7	-144.53	28.4	306.9	363.9	345.5	18.46	19.717		
4,200.0	4,160.9	4,189.1	4,169.5	12.0	9.9	-144.27	29.2	317.5	373.9	355.0	18.97	19.716		
4,300.0	4,259.8	4,288.6	4,268.4	12.4	10.2	-144.03	30.0	328.1	383.9	364.5	19.47	19.715		
4,400.0	4,358.6	4,388.1	4,367.3	12.7	10.4	-143.79	30.9	338.7	393.9	373.9	19.98	19.715		
4,500.0	4,457.5	4,487.6	4,466.2	13.0	10.7	-143.57	31.7	349.3	403.9	383.4	20.49	19.714		
4,600.0	4,556.3	4,587.1	4,565.2	13.3	10.9	-143.36	32.5	359.9	414.0	393.0	21.00	19.714		
4,700.0	4,655.2	4,686.6	4,664.1	13.6	11.2	-143.16	33.3	370.5	424.0	402.5	21.51	19.714		
4,800.0	4,754.1	4,786.0	4,763.0	13.9	11.4	-142.97	34.2	381.1	434.0	412.0	22.01	19.714		
4,900.0	4,852.9	4,885.5	4,861.9	14.3	11.7	-142.79	35.0	391.7	444.0	421.5	22.52	19.715		
5,000.0	4,951.8	4,985.0	4,960.8	14.6	11.9	-142.61	35.8	402.3	454.1	431.0	23.03	19.715		
5,100.0	5,050.6	5,084.5	5,059.7	14.9	12.2	-142.45	36.6	412.9	464.1	440.6	23.54	19.716		

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 File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - File 3H-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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		
5,200.0	5,149.5	5,184.0	5,158.7	15.2	12.4	-142.29	37.4	423.5	474.1	450.1	24.05	19.716		
5,300.0	5,248.4	5,283.5	5,257.6	15.5	12.7	-142.13	38.3	434.1	484.2	459.6	24.56	19.717		
5,400.0	5,347.2	5,383.0	5,356.5	15.8	13.0	-141.99	39.1	444.7	494.2	469.2	25.07	19.717		
7,200.0	7,112.4	7,784.6	7,575.7	20.5	19.8	-137.18	-335.4	682.4	497.8	462.7	35.10	14.181		
7,300.0	7,192.0	7,694.3	7,540.2	20.3	19.3	-130.40	-252.6	678.6	406.1	374.0	32.10	12.654		
7,400.0	7,260.1	7,630.9	7,507.7	20.0	18.9	-127.23	-198.2	675.1	318.9	289.3	29.65	10.755		
7,500.0	7,314.7	7,574.1	7,473.7	19.8	18.7	-121.78	-152.9	671.5	240.3	212.7	27.68	8.684		
7,600.0	7,354.0	7,519.9	7,437.3	19.7	18.5	-112.27	-113.0	667.6	179.0	152.3	26.72	6.700		
7,700.0	7,376.9	7,467.0	7,398.4	19.7	18.3	-97.84	-77.6	663.4	151.6	125.0	26.62	5.694		
7,709.5	7,378.2	7,462.1	7,394.6	19.7	18.3	-96.24	-74.4	663.0	151.4	124.7	26.61	5.687 SF		
7,800.0	7,383.0	7,415.1	7,357.1	19.8	18.1	-80.51	-46.4	659.0	169.0	143.0	26.01	6.499		
7,900.0	7,383.0	7,371.1	7,320.0	20.0	18.0	-68.38	-23.0	655.0	220.2	195.2	24.99	8.813		
8,000.0	7,383.0	7,336.3	7,289.5	20.4	17.9	-60.05	-6.6	651.7	290.7	266.5	24.23	11.999		
8,100.0	7,383.0	7,300.0	7,256.7	21.0	17.8	-52.70	8.4	648.2	371.2	347.7	23.52	15.781		
8,200.0	7,383.0	7,285.5	7,243.3	21.6	17.8	-50.13	13.9	646.8	457.1	433.3	23.74	19.254		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - File 3I-32H-K268 - Hz - Plan #1												Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink 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
0.0	0.0	0.0	0.0	0.0	0.0	-94.66	-3.6	-44.8	44.9				
100.0	100.0	100.0	100.0	0.2	0.2	-94.66	-3.6	-44.8	44.9	44.6	0.30	147.889	
200.0	200.0	200.0	200.0	0.3	0.3	-94.66	-3.6	-44.8	44.9	44.3	0.65	68.804	CC, ES
300.0	300.0	299.2	299.2	0.5	0.5	138.05	-4.0	-45.6	46.4	45.4	1.00	46.344	
400.0	400.0	398.3	398.3	0.7	0.7	139.12	-4.9	-48.0	50.8	49.5	1.35	37.621	
500.0	499.9	497.2	497.0	0.9	0.9	140.53	-6.5	-51.9	58.2	56.5	1.70	34.175	
600.0	599.7	595.6	595.3	1.1	1.1	141.98	-8.7	-57.5	68.6	66.6	2.06	33.295	SF
700.0	699.4	693.5	692.9	1.3	1.3	143.29	-11.4	-64.5	82.1	79.6	2.43	33.831	
800.0	798.9	790.7	789.6	1.5	1.5	144.39	-14.8	-73.1	98.4	95.6	2.80	35.208	
900.0	898.3	887.1	885.5	1.8	1.7	145.28	-18.7	-83.1	117.8	114.6	3.17	37.099	
1,000.0	997.4	982.7	980.2	2.0	2.0	145.98	-23.2	-94.4	140.0	136.5	3.56	39.308	
1,100.0	1,096.3	1,077.2	1,073.8	2.3	2.3	146.56	-28.2	-107.1	165.1	161.1	3.96	41.691	
1,200.0	1,195.2	1,170.9	1,166.3	2.6	2.6	146.90	-33.7	-121.1	191.9	187.5	4.37	43.948	
1,300.0	1,294.0	1,263.9	1,257.8	2.9	2.9	146.96	-39.8	-136.4	220.1	215.3	4.78	46.053	
1,400.0	1,392.9	1,356.0	1,348.2	3.2	3.2	146.86	-46.3	-152.9	249.7	244.5	5.20	48.035	
1,500.0	1,491.8	1,447.4	1,437.5	3.5	3.6	146.63	-53.2	-170.6	280.6	275.0	5.62	49.917	
1,600.0	1,590.6	1,537.8	1,525.7	3.9	4.0	146.32	-60.7	-189.4	312.9	306.9	6.05	51.718	
1,700.0	1,689.5	1,627.3	1,612.6	4.2	4.4	145.97	-68.5	-209.3	346.6	340.1	6.48	53.463	
1,800.0	1,788.3	1,720.7	1,703.1	4.5	4.8	145.60	-77.0	-230.8	381.0	374.1	6.93	55.009	
1,900.0	1,887.2	1,814.6	1,794.0	4.8	5.2	145.29	-85.5	-252.5	415.4	408.1	7.37	56.355	
2,000.0	1,986.0	1,908.4	1,884.9	5.1	5.7	145.03	-94.1	-274.2	449.9	442.1	7.82	57.540	
2,100.0	2,084.9	2,002.3	1,975.9	5.4	6.1	144.81	-102.6	-295.8	484.4	476.1	8.27	58.591	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - File 3J-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-90.00	0.0	-39.2	39.2					
100.0	100.0	100.0	100.0	0.2	0.2	-90.00	0.0	-39.2	39.2	38.9	0.30	128.976		
200.0	200.0	200.0	200.0	0.3	0.3	-90.00	0.0	-39.2	39.2	38.5	0.65	60.005 CC, ES		
300.0	300.0	299.7	299.7	0.5	0.5	142.92	-0.1	-39.4	40.1	39.1	1.00	39.992		
400.0	400.0	399.0	399.0	0.7	0.7	143.91	-0.9	-40.9	43.7	42.3	1.35	32.328		
500.0	499.9	498.0	498.0	0.9	0.9	144.92	-2.4	-44.0	50.3	48.6	1.70	29.491		
600.0	599.7	596.8	596.6	1.1	1.0	145.77	-4.7	-48.5	59.8	57.7	2.06	28.986 SF		
700.0	699.4	695.0	694.6	1.3	1.2	146.42	-7.8	-54.6	72.2	69.8	2.43	29.758		
800.0	798.9	792.7	791.9	1.5	1.5	146.89	-11.6	-62.1	87.5	84.7	2.80	31.276		
900.0	898.3	889.6	888.3	1.8	1.7	147.21	-16.1	-71.0	105.7	102.6	3.18	33.245		
1,000.0	997.4	985.7	983.7	2.0	1.9	147.41	-21.3	-81.3	126.8	123.2	3.57	35.482		
1,100.0	1,096.3	1,080.9	1,078.0	2.3	2.2	147.55	-27.2	-92.8	150.5	146.6	3.98	37.855		
1,200.0	1,195.2	1,175.4	1,171.3	2.6	2.5	147.50	-33.7	-105.7	176.0	171.6	4.39	40.067		
1,300.0	1,294.0	1,269.1	1,263.7	2.9	2.8	147.22	-40.8	-119.8	202.8	197.9	4.82	42.102		
1,400.0	1,392.9	1,362.1	1,355.1	3.2	3.1	146.80	-48.6	-135.2	230.9	225.6	5.25	43.996		
1,500.0	1,491.8	1,454.3	1,445.4	3.5	3.5	146.28	-56.9	-151.7	260.3	254.6	5.68	45.793		
1,600.0	1,590.6	1,549.4	1,538.5	3.9	3.8	145.77	-65.9	-169.4	290.5	284.3	6.13	47.363		
1,700.0	1,689.5	1,644.8	1,631.7	4.2	4.2	145.36	-74.9	-187.2	320.6	314.1	6.58	48.706		
1,800.0	1,788.3	1,740.1	1,724.9	4.5	4.6	145.01	-83.9	-205.0	350.8	343.8	7.04	49.868		
1,900.0	1,887.2	1,835.4	1,818.1	4.8	5.0	144.72	-92.9	-222.8	381.0	373.5	7.49	50.881		
2,000.0	1,986.0	1,930.7	1,911.3	5.1	5.3	144.48	-101.9	-240.6	411.2	403.3	7.94	51.773		
2,100.0	2,084.9	2,026.0	2,004.5	5.4	5.7	144.26	-110.9	-258.4	441.4	433.0	8.40	52.564		
2,200.0	2,183.8	2,121.3	2,097.7	5.7	6.1	144.08	-119.9	-276.2	471.6	462.8	8.85	53.269		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - File 3K-32H-K268 - Hz - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink 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	-96.19	-3.6	-33.6	33.8					
100.0	100.0	100.0	100.0	0.2	0.2	-96.19	-3.6	-33.6	33.8	33.5	0.30	111.199		
200.0	200.0	200.0	200.0	0.3	0.3	-96.19	-3.6	-33.6	33.8	33.1	0.65	51.735 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	137.12	-3.6	-33.6	34.4	33.4	1.00	34.329		
400.0	400.0	399.7	399.7	0.7	0.7	139.72	-3.8	-33.7	36.5	35.2	1.35	27.020		
500.0	499.9	499.0	499.0	0.9	0.8	142.30	-4.8	-35.2	41.4	39.7	1.71	24.269		
600.0	599.7	598.1	598.0	1.1	1.0	144.29	-6.7	-38.0	49.1	47.0	2.06	23.804 SF		
700.0	699.4	696.8	696.5	1.3	1.2	145.62	-9.6	-42.2	59.6	57.2	2.43	24.582		
800.0	798.9	795.0	794.5	1.5	1.4	146.43	-13.5	-47.7	72.9	70.1	2.80	26.079		
900.0	898.3	892.6	891.8	1.8	1.6	146.87	-18.3	-54.6	89.0	85.8	3.18	28.001		
1,000.0	997.4	989.5	988.2	2.0	1.8	147.05	-24.0	-62.8	107.8	104.2	3.57	30.170		
1,100.0	1,096.3	1,085.7	1,083.7	2.3	2.1	147.10	-30.6	-72.3	129.2	125.3	3.98	32.455		
1,200.0	1,195.2	1,181.2	1,178.3	2.6	2.4	146.87	-38.1	-83.0	152.2	147.8	4.40	34.560		
1,300.0	1,294.0	1,276.3	1,272.3	2.9	2.6	146.37	-46.4	-94.9	176.5	171.6	4.84	36.477		
1,400.0	1,392.9	1,373.2	1,367.9	3.2	2.9	145.85	-55.2	-107.5	201.2	195.9	5.28	38.105		
1,500.0	1,491.8	1,470.1	1,463.6	3.5	3.2	145.45	-64.0	-120.2	226.0	220.3	5.73	39.462		
1,600.0	1,590.6	1,567.0	1,559.2	3.9	3.5	145.12	-72.9	-132.9	250.8	244.6	6.18	40.605		
1,700.0	1,689.5	1,663.8	1,654.8	4.2	3.8	144.86	-81.7	-145.6	275.5	268.9	6.63	41.582		
1,800.0	1,788.3	1,760.7	1,750.5	4.5	4.1	144.64	-90.5	-158.2	300.3	293.3	7.08	42.424		
1,900.0	1,887.2	1,857.6	1,846.1	4.8	4.5	144.45	-99.4	-170.9	325.1	317.6	7.53	43.158		
2,000.0	1,986.0	1,954.4	1,941.7	5.1	4.8	144.29	-108.2	-183.6	349.9	341.9	7.99	43.802		
2,100.0	2,084.9	2,051.3	2,037.4	5.4	5.1	144.15	-117.0	-196.3	374.7	366.3	8.44	44.372		
2,200.0	2,183.8	2,148.2	2,133.0	5.7	5.4	144.02	-125.9	-208.9	399.5	390.6	8.90	44.880		
2,300.0	2,282.6	2,245.1	2,228.6	6.0	5.7	143.92	-134.7	-221.6	424.3	415.0	9.36	45.335		
2,400.0	2,381.5	2,341.9	2,324.3	6.4	6.0	143.82	-143.6	-234.3	449.1	439.3	9.82	45.744		
2,500.0	2,480.3	2,438.8	2,419.9	6.7	6.3	143.73	-152.4	-247.0	473.9	463.7	10.28	46.115		
2,600.0	2,579.2	2,535.7	2,515.5	7.0	6.6	143.66	-161.2	-259.6	498.7	488.0	10.74	46.453		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - File 3L-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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	-90.00	0.0	-30.8	30.8					
100.0	100.0	100.0	100.0	0.2	0.2	-90.00	0.0	-30.8	30.8	30.5	0.30	101.338		
200.0	200.0	200.0	200.0	0.3	0.3	-90.00	0.0	-30.8	30.8	30.1	0.65	47.147 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	143.27	0.0	-30.8	31.5	30.5	1.00	31.405		
400.0	400.0	400.0	400.0	0.7	0.7	145.93	0.0	-30.8	33.6	32.3	1.35	24.847		
500.0	499.9	499.7	499.7	0.9	0.8	149.40	-0.1	-30.9	37.4	35.7	1.70	21.975		
600.0	599.7	599.0	599.0	1.1	1.0	151.68	-1.3	-32.2	43.8	41.8	2.06	21.314 SF		
700.0	699.4	698.1	698.0	1.3	1.2	152.68	-3.7	-34.7	52.8	50.4	2.41	21.890		
800.0	798.9	796.8	796.6	1.5	1.4	152.82	-7.2	-38.4	64.4	61.6	2.78	23.176		
900.0	898.3	895.1	894.7	1.8	1.6	152.45	-11.9	-43.3	78.5	75.4	3.16	24.883		
1,000.0	997.4	992.8	992.0	2.0	1.8	151.83	-17.6	-49.5	95.2	91.6	3.55	26.838		
1,100.0	1,096.3	1,089.9	1,088.6	2.3	2.0	151.12	-24.5	-56.7	114.3	110.3	3.95	28.900		
1,200.0	1,195.2	1,187.6	1,185.6	2.6	2.2	150.35	-32.2	-64.9	134.4	130.0	4.37	30.723		
1,300.0	1,294.0	1,285.6	1,282.9	2.9	2.5	149.77	-39.9	-73.0	154.5	149.7	4.80	32.194		
1,400.0	1,392.9	1,383.5	1,380.2	3.2	2.7	149.33	-47.6	-81.2	174.7	169.5	5.23	33.402		
1,500.0	1,491.8	1,481.4	1,477.5	3.5	3.0	148.97	-55.3	-89.4	194.9	189.2	5.66	34.409		
1,600.0	1,590.6	1,579.4	1,574.8	3.9	3.2	148.69	-63.0	-97.5	215.1	209.0	6.10	35.260		
1,700.0	1,689.5	1,677.3	1,672.1	4.2	3.5	148.45	-70.7	-105.7	235.3	228.7	6.54	35.987		
1,800.0	1,788.3	1,775.2	1,769.4	4.5	3.7	148.25	-78.4	-113.9	255.5	248.5	6.98	36.616		
1,900.0	1,887.2	1,873.2	1,866.7	4.8	4.0	148.08	-86.1	-122.0	275.6	268.2	7.42	37.164		
2,000.0	1,986.0	1,971.1	1,964.0	5.1	4.2	147.93	-93.8	-130.2	295.8	288.0	7.86	37.646		
2,100.0	2,084.9	2,069.0	2,061.3	5.4	4.5	147.80	-101.5	-138.4	316.0	307.7	8.30	38.072		
2,200.0	2,183.8	2,167.0	2,158.6	5.7	4.7	147.69	-109.2	-146.5	336.2	327.5	8.74	38.453		
2,300.0	2,282.6	2,264.9	2,255.8	6.0	5.0	147.59	-116.9	-154.7	356.4	347.3	9.19	38.794		
2,400.0	2,381.5	2,362.9	2,353.1	6.4	5.2	147.50	-124.6	-162.9	376.6	367.0	9.63	39.101		
2,500.0	2,480.3	2,460.8	2,450.4	6.7	5.5	147.42	-132.3	-171.0	396.8	386.8	10.08	39.380		
2,600.0	2,579.2	2,558.7	2,547.7	7.0	5.8	147.34	-140.1	-179.2	417.0	406.5	10.52	39.633		
2,700.0	2,678.0	2,656.7	2,645.0	7.3	6.0	147.28	-147.8	-187.4	437.2	426.3	10.97	39.865		
2,800.0	2,776.9	2,754.6	2,742.3	7.6	6.3	147.22	-155.5	-195.5	457.4	446.0	11.41	40.077		
2,900.0	2,875.8	2,852.5	2,839.6	7.9	6.5	147.16	-163.2	-203.7	477.7	465.8	11.86	40.272		
3,000.0	2,974.6	2,950.5	2,936.9	8.3	6.8	147.11	-170.9	-211.9	497.9	485.5	12.31	40.453		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - File 3M-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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	-104.60	-3.6	-14.0	14.5					
100.0	100.0	100.0	100.0	0.2	0.2	-104.60	-3.6	-14.0	14.5	14.2	0.30	47.599		
200.0	200.0	200.0	200.0	0.3	0.3	-104.60	-3.6	-14.0	14.5	13.8	0.65	22.145 CC, ES		
300.0	300.0	299.8	299.8	0.5	0.5	127.67	-4.4	-14.3	15.5	14.5	1.00	15.467		
400.0	400.0	399.6	399.6	0.7	0.7	127.57	-6.9	-15.3	18.7	17.3	1.36	13.748 SF		
500.0	499.9	499.3	499.1	0.9	0.9	127.45	-10.9	-16.9	23.9	22.2	1.72	13.890		
600.0	599.7	598.7	598.4	1.1	1.1	127.35	-16.5	-19.2	31.3	29.2	2.10	14.886		
700.0	699.4	697.9	697.2	1.3	1.3	127.25	-23.7	-22.1	40.7	38.2	2.50	16.299		
800.0	798.9	797.0	796.0	1.5	1.5	127.42	-32.2	-25.5	52.1	49.2	2.91	17.875		
900.0	898.3	896.2	894.7	1.8	1.7	128.61	-40.8	-29.0	64.6	61.3	3.35	19.318		
1,000.0	997.4	995.3	993.3	2.0	2.0	130.37	-49.5	-32.5	78.3	74.5	3.79	20.662		
1,100.0	1,096.3	1,094.1	1,091.8	2.3	2.2	132.37	-58.1	-36.0	93.1	88.8	4.24	21.953		
1,200.0	1,195.2	1,192.9	1,190.1	2.6	2.4	134.03	-66.7	-39.5	108.2	103.5	4.69	23.056		
1,300.0	1,294.0	1,291.7	1,288.5	2.9	2.6	135.27	-75.3	-43.0	123.5	118.3	5.15	23.971		
1,400.0	1,392.9	1,390.5	1,386.9	3.2	2.9	136.25	-83.9	-46.5	138.7	133.1	5.61	24.741		
1,500.0	1,491.8	1,489.3	1,485.2	3.5	3.1	137.03	-92.5	-49.9	154.0	148.0	6.06	25.397		
1,600.0	1,590.6	1,588.1	1,583.6	3.9	3.4	137.67	-101.1	-53.4	169.4	162.8	6.52	25.962		
1,700.0	1,689.5	1,686.9	1,681.9	4.2	3.6	138.20	-109.8	-56.9	184.7	177.7	6.98	26.453		
1,800.0	1,788.3	1,785.7	1,780.3	4.5	3.8	138.65	-118.4	-60.4	200.0	192.6	7.44	26.884		
1,900.0	1,887.2	1,884.5	1,878.7	4.8	4.1	139.04	-127.0	-63.9	215.4	207.5	7.90	27.266		
2,000.0	1,986.0	1,983.3	1,977.0	5.1	4.3	139.38	-135.6	-67.3	230.8	222.4	8.36	27.605		
2,100.0	2,084.9	2,082.2	2,075.4	5.4	4.5	139.67	-144.2	-70.8	246.2	237.3	8.82	27.909		
2,200.0	2,183.8	2,181.0	2,173.8	5.7	4.8	139.93	-152.8	-74.3	261.5	252.3	9.28	28.183		
2,300.0	2,282.6	2,279.8	2,272.1	6.0	5.0	140.16	-161.4	-77.8	276.9	267.2	9.74	28.431		
2,400.0	2,381.5	2,378.6	2,370.5	6.4	5.2	140.37	-170.0	-81.3	292.3	282.1	10.20	28.657		
2,500.0	2,480.3	2,477.4	2,468.9	6.7	5.5	140.55	-178.7	-84.8	307.7	297.1	10.66	28.863		
2,600.0	2,579.2	2,576.2	2,567.2	7.0	5.7	140.72	-187.3	-88.2	323.1	312.0	11.12	29.052		
2,700.0	2,678.0	2,675.0	2,665.6	7.3	5.9	140.87	-195.9	-91.7	338.5	326.9	11.58	29.226		
2,800.0	2,776.9	2,773.8	2,764.0	7.6	6.2	141.01	-204.5	-95.2	353.9	341.9	12.04	29.386		
2,900.0	2,875.8	2,872.6	2,862.3	7.9	6.4	141.14	-213.1	-98.7	369.3	356.8	12.51	29.535		
3,000.0	2,974.6	2,971.4	2,960.7	8.3	6.6	141.26	-221.7	-102.2	384.7	371.8	12.97	29.673		
3,100.0	3,073.5	3,070.2	3,059.1	8.6	6.9	141.36	-230.3	-105.7	400.2	386.7	13.43	29.802		
3,200.0	3,172.3	3,169.0	3,157.4	8.9	7.1	141.46	-238.9	-109.1	415.6	401.7	13.89	29.922		
3,300.0	3,271.2	3,267.8	3,255.8	9.2	7.4	141.56	-247.6	-112.6	431.0	416.6	14.35	30.034		
3,400.0	3,370.1	3,366.6	3,354.2	9.5	7.6	141.64	-256.2	-116.1	446.4	431.6	14.81	30.139		
3,500.0	3,468.9	3,465.4	3,452.5	9.8	7.8	141.72	-264.8	-119.6	461.8	446.5	15.27	30.238		
3,600.0	3,567.8	3,564.2	3,550.9	10.1	8.1	141.80	-273.4	-123.1	477.2	461.5	15.73	30.331		
3,700.0	3,666.6	3,663.0	3,649.3	10.5	8.3	141.87	-282.0	-126.6	492.6	476.4	16.20	30.419		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - File 3N-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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	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	36.850		
200.0	200.0	200.0	200.0	0.3	0.3	-90.00	0.0	-11.2	11.2	10.5	0.65	17.144 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	144.87	0.0	-11.2	11.9	10.9	1.00	11.869		
400.0	400.0	400.0	400.0	0.7	0.7	147.59	-0.9	-11.0	13.8	12.5	1.35	10.229		
500.0	499.9	500.1	500.0	0.9	0.9	146.99	-3.4	-10.5	16.8	15.1	1.71	9.813 SF		
600.0	599.7	600.1	599.9	1.1	1.0	144.57	-7.7	-9.6	20.7	18.6	2.08	9.966		
700.0	699.4	700.0	699.7	1.3	1.2	141.45	-13.7	-8.5	25.7	23.2	2.47	10.425		
800.0	798.9	799.9	799.3	1.5	1.4	138.27	-21.4	-6.9	31.8	28.9	2.88	11.048		
900.0	898.3	899.6	898.6	1.8	1.7	135.82	-30.4	-5.1	39.1	35.8	3.32	11.790		
1,000.0	997.4	999.3	997.8	2.0	1.9	135.47	-39.6	-3.3	47.7	43.9	3.77	12.658		
1,100.0	1,096.3	1,098.8	1,096.9	2.3	2.1	136.39	-48.7	-1.4	57.5	53.2	4.22	13.606		
1,200.0	1,195.2	1,198.3	1,195.9	2.6	2.3	137.30	-57.9	0.4	67.5	62.8	4.68	14.424		
1,300.0	1,294.0	1,297.8	1,295.0	2.9	2.6	137.98	-67.0	2.2	77.6	72.4	5.14	15.091		
1,400.0	1,392.9	1,397.3	1,394.0	3.2	2.8	138.49	-76.2	4.1	87.6	82.0	5.60	15.643		
1,500.0	1,491.8	1,496.7	1,493.1	3.5	3.0	138.91	-85.3	5.9	97.7	91.6	6.07	16.108		
1,600.0	1,590.6	1,596.2	1,592.1	3.9	3.3	139.24	-94.4	7.7	107.8	101.3	6.53	16.504		
1,700.0	1,689.5	1,695.7	1,691.2	4.2	3.5	139.52	-103.6	9.6	117.9	110.9	7.00	16.846		
1,800.0	1,788.3	1,795.2	1,790.2	4.5	3.7	139.75	-112.7	11.4	127.9	120.5	7.46	17.143		
1,900.0	1,887.2	1,894.7	1,889.3	4.8	4.0	139.95	-121.9	13.2	138.0	130.1	7.93	17.404		
2,000.0	1,986.0	1,994.2	1,988.3	5.1	4.2	140.12	-131.0	15.0	148.1	139.7	8.40	17.635		
2,100.0	2,084.9	2,093.7	2,087.4	5.4	4.5	140.27	-140.2	16.9	158.2	149.3	8.87	17.841		
2,200.0	2,183.8	2,193.2	2,186.4	5.7	4.7	140.41	-149.3	18.7	168.3	159.0	9.34	18.025		
2,300.0	2,282.6	2,292.7	2,285.5	6.0	4.9	140.52	-158.5	20.5	178.4	168.6	9.81	18.191		
2,400.0	2,381.5	2,392.2	2,384.5	6.4	5.2	140.63	-167.6	22.4	188.5	178.2	10.28	18.342		
2,500.0	2,480.3	2,491.6	2,483.6	6.7	5.4	140.72	-176.7	24.2	198.6	187.8	10.75	18.479		
2,600.0	2,579.2	2,591.1	2,582.6	7.0	5.6	140.81	-185.9	26.0	208.7	197.4	11.22	18.604		
2,700.0	2,678.0	2,690.6	2,681.7	7.3	5.9	140.89	-195.0	27.9	218.7	207.1	11.69	18.719		
2,800.0	2,776.9	2,790.1	2,780.7	7.6	6.1	140.96	-204.2	29.7	228.8	216.7	12.16	18.824		
2,900.0	2,875.8	2,889.6	2,879.8	7.9	6.3	141.02	-213.3	31.5	238.9	226.3	12.63	18.922		
3,000.0	2,974.6	2,989.1	2,978.8	8.3	6.6	141.08	-222.5	33.4	249.0	235.9	13.10	19.012		
3,100.0	3,073.5	3,088.6	3,077.9	8.6	6.8	141.14	-231.6	35.2	259.1	245.5	13.57	19.096		
3,200.0	3,172.3	3,188.1	3,176.9	8.9	7.1	141.19	-240.8	37.0	269.2	255.2	14.04	19.175		
3,300.0	3,271.2	3,287.6	3,276.0	9.2	7.3	141.23	-249.9	38.9	279.3	264.8	14.51	19.248		
3,400.0	3,370.1	3,387.0	3,375.0	9.5	7.5	141.28	-259.1	40.7	289.4	274.4	14.98	19.316		
3,500.0	3,468.9	3,486.5	3,474.1	9.8	7.8	141.32	-268.2	42.5	299.5	284.0	15.45	19.380		
3,600.0	3,567.8	3,586.0	3,573.1	10.1	8.0	141.36	-277.3	44.3	309.6	293.6	15.92	19.440		
3,700.0	3,666.6	3,685.5	3,672.2	10.5	8.2	141.39	-286.5	46.2	319.7	303.3	16.40	19.497		
3,800.0	3,765.5	3,785.0	3,771.2	10.8	8.5	141.42	-295.6	48.0	329.8	312.9	16.87	19.550		
3,900.0	3,864.3	3,884.5	3,870.3	11.1	8.7	141.46	-304.8	49.8	339.9	322.5	17.34	19.600		
4,000.0	3,963.2	3,984.0	3,969.3	11.4	9.0	141.49	-313.9	51.7	349.9	332.1	17.81	19.648		
4,100.0	4,062.1	4,083.5	4,068.4	11.7	9.2	141.51	-323.1	53.5	360.0	341.8	18.28	19.693		
4,200.0	4,160.9	4,183.0	4,167.4	12.0	9.4	141.54	-332.2	55.3	370.1	351.4	18.75	19.736		
4,300.0	4,259.8	4,282.4	4,266.5	12.4	9.7	141.56	-341.4	57.2	380.2	361.0	19.23	19.777		
4,400.0	4,358.6	4,381.9	4,365.5	12.7	9.9	141.59	-350.5	59.0	390.3	370.6	19.70	19.816		
4,500.0	4,457.5	4,481.4	4,464.6	13.0	10.1	141.61	-359.6	60.8	400.4	380.2	20.17	19.852		
4,600.0	4,556.3	4,580.9	4,563.6	13.3	10.4	141.63	-368.8	62.7	410.5	389.9	20.64	19.888		
4,700.0	4,655.2	4,680.4	4,662.7	13.6	10.6	141.65	-377.9	64.5	420.6	399.5	21.11	19.921		
4,800.0	4,754.1	4,779.9	4,761.7	13.9	10.9	141.67	-387.1	66.3	430.7	409.1	21.59	19.953		
4,900.0	4,852.9	4,879.4	4,860.8	14.3	11.1	141.69	-396.2	68.2	440.8	418.7	22.06	19.984		
5,000.0	4,951.8	4,978.9	4,959.8	14.6	11.3	141.71	-405.4	70.0	450.9	428.4	22.53	20.013		
5,100.0	5,050.6	5,078.4	5,058.9	14.9	11.6	141.73	-414.5	71.8	461.0	438.0	23.00	20.041		

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 File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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													S32-T2N-R68W (File) - File 3N-32H-K268 - Hz - Plan #1		Offset Site Error:		0.0 ft
Survey Program:													0-Geolink 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					
5,200.0	5,149.5	5,177.8	5,157.9	15.2	11.8	141.74	-423.7	73.6	471.1	447.6	23.47	20.068					
5,300.0	5,248.4	5,277.3	5,257.0	15.5	12.0	141.76	-432.8	75.5	481.2	457.2	23.95	20.094					
5,400.0	5,347.2	5,376.8	5,356.0	15.8	12.3	141.77	-441.9	77.3	491.3	466.8	24.42	20.119					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - File 3O-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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	-123.07	-3.6	-5.6	6.7					
100.0	100.0	100.0	100.0	0.2	0.2	-123.07	-3.6	-5.6	6.7	6.4	0.30	21.986		
200.0	200.0	200.0	200.0	0.3	0.3	-123.07	-3.6	-5.6	6.7	6.0	0.65	10.229 CC		
300.0	300.0	300.0	300.0	0.5	0.5	114.23	-3.8	-5.5	7.0	6.0	1.00	6.951 ES		
400.0	400.0	400.0	400.0	0.7	0.7	119.20	-5.2	-4.4	7.8	6.4	1.36	5.709		
500.0	499.9	500.1	500.0	0.9	0.9	122.05	-7.9	-2.2	9.0	7.2	1.72	5.196		
600.0	599.7	600.1	599.9	1.1	1.1	123.18	-12.0	1.1	10.5	8.4	2.10	5.007		
700.0	699.4	700.2	699.7	1.3	1.3	123.14	-17.4	5.5	12.5	10.0	2.51	4.980		
800.0	798.9	800.2	799.4	1.5	1.5	122.39	-24.2	10.9	14.8	11.9	2.94	5.037		
900.0	898.3	900.3	898.9	1.8	1.7	121.27	-32.4	17.5	17.5	14.1	3.41	5.134		
1,000.0	997.4	1,000.2	998.2	2.0	2.0	122.20	-41.3	24.6	20.8	17.0	3.89	5.354		
1,100.0	1,096.3	1,100.1	1,097.4	2.3	2.2	126.03	-50.1	31.7	25.1	20.8	4.36	5.763		
1,200.0	1,195.2	1,200.0	1,196.6	2.6	2.5	129.34	-59.0	38.7	29.7	24.9	4.81	6.171		
1,300.0	1,294.0	1,299.9	1,295.9	2.9	2.7	131.76	-67.8	45.8	34.4	29.1	5.27	6.525		
1,400.0	1,392.9	1,399.7	1,395.1	3.2	3.0	133.60	-76.6	52.9	39.1	33.4	5.72	6.831		
1,500.0	1,491.8	1,499.6	1,494.4	3.5	3.2	135.04	-85.5	60.0	43.8	37.7	6.18	7.098		
1,600.0	1,590.6	1,599.5	1,593.6	3.9	3.5	136.20	-94.3	67.1	48.6	42.0	6.63	7.332		
1,700.0	1,689.5	1,699.4	1,692.8	4.2	3.8	137.15	-103.2	74.2	53.4	46.3	7.08	7.539		
1,800.0	1,788.3	1,799.3	1,792.1	4.5	4.0	137.94	-112.0	81.3	58.2	50.7	7.54	7.722		
1,900.0	1,887.2	1,899.2	1,891.3	4.8	4.3	138.62	-120.9	88.4	63.0	55.0	7.99	7.886		
2,000.0	1,986.0	1,999.0	1,990.5	5.1	4.5	139.20	-129.7	95.5	67.8	59.4	8.44	8.033		
2,100.0	2,084.9	2,098.9	2,089.8	5.4	4.8	139.70	-138.6	102.6	72.6	63.7	8.89	8.166		
2,200.0	2,183.8	2,198.8	2,189.0	5.7	5.1	140.14	-147.4	109.7	77.5	68.1	9.35	8.286		
2,300.0	2,282.6	2,298.7	2,288.2	6.0	5.3	140.52	-156.3	116.8	82.3	72.5	9.80	8.396		
2,400.0	2,381.5	2,398.6	2,387.5	6.4	5.6	140.87	-165.1	123.9	87.1	76.9	10.25	8.496		
2,500.0	2,480.3	2,498.4	2,486.7	6.7	5.8	141.18	-174.0	131.0	92.0	81.2	10.71	8.588		
2,600.0	2,579.2	2,598.3	2,586.0	7.0	6.1	141.46	-182.8	138.1	96.8	85.6	11.16	8.673		
2,700.0	2,678.0	2,698.2	2,685.2	7.3	6.4	141.71	-191.7	145.2	101.6	90.0	11.61	8.751		
2,800.0	2,776.9	2,798.1	2,784.4	7.6	6.6	141.93	-200.5	152.3	106.5	94.4	12.07	8.824		
2,900.0	2,875.8	2,898.0	2,883.7	7.9	6.9	142.14	-209.4	159.3	111.3	98.8	12.52	8.891		
3,000.0	2,974.6	2,997.9	2,982.9	8.3	7.2	142.33	-218.2	166.4	116.2	103.2	12.97	8.954		
3,100.0	3,073.5	3,097.7	3,082.1	8.6	7.4	142.51	-227.1	173.5	121.0	107.6	13.43	9.012		
3,200.0	3,172.3	3,197.6	3,181.4	8.9	7.7	142.67	-235.9	180.6	125.9	112.0	13.88	9.067		
3,300.0	3,271.2	3,297.5	3,280.6	9.2	7.9	142.82	-244.8	187.7	130.7	116.4	14.33	9.119		
3,400.0	3,370.1	3,397.4	3,379.8	9.5	8.2	142.96	-253.6	194.8	135.5	120.8	14.79	9.167		
3,500.0	3,468.9	3,497.3	3,479.1	9.8	8.5	143.09	-262.4	201.9	140.4	125.2	15.24	9.212		
3,600.0	3,567.8	3,597.1	3,578.3	10.1	8.7	143.21	-271.3	209.0	145.2	129.6	15.69	9.255		
3,700.0	3,666.6	3,697.0	3,677.5	10.5	9.0	143.33	-280.1	216.1	150.1	133.9	16.15	9.296		
3,800.0	3,765.5	3,796.9	3,776.8	10.8	9.3	143.43	-289.0	223.2	154.9	138.3	16.60	9.334		
3,900.0	3,864.3	3,896.8	3,876.0	11.1	9.5	143.53	-297.8	230.3	159.8	142.7	17.05	9.370		
4,000.0	3,963.2	3,996.7	3,975.3	11.4	9.8	143.63	-306.7	237.4	164.6	147.1	17.51	9.405		
4,100.0	4,062.1	4,096.6	4,074.5	11.7	10.1	143.71	-315.5	244.5	169.5	151.5	17.96	9.437		
4,200.0	4,160.9	4,196.4	4,173.7	12.0	10.3	143.80	-324.4	251.6	174.4	155.9	18.41	9.468		
4,300.0	4,259.8	4,296.3	4,273.0	12.4	10.6	143.88	-333.2	258.7	179.2	160.3	18.87	9.498		
4,400.0	4,358.6	4,396.2	4,372.2	12.7	10.8	143.95	-342.1	265.8	184.1	164.7	19.32	9.526		
4,500.0	4,457.5	4,496.1	4,471.4	13.0	11.1	144.02	-350.9	272.8	188.9	169.1	19.77	9.553		
4,600.0	4,556.3	4,596.0	4,570.7	13.3	11.4	144.09	-359.8	279.9	193.8	173.5	20.23	9.579		
4,700.0	4,655.2	4,695.8	4,669.9	13.6	11.6	144.15	-368.6	287.0	198.6	177.9	20.68	9.604		
4,800.0	4,754.1	4,795.7	4,769.1	13.9	11.9	144.22	-377.5	294.1	203.5	182.3	21.14	9.627		
4,900.0	4,852.9	4,895.6	4,868.4	14.3	12.2	144.27	-386.3	301.2	208.3	186.7	21.59	9.650		
5,000.0	4,951.8	4,995.5	4,967.6	14.6	12.4	144.33	-395.2	308.3	213.2	191.1	22.04	9.671		
5,100.0	5,050.6	5,095.4	5,066.9	14.9	12.7	144.38	-404.0	315.4	218.0	195.5	22.50	9.692		

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 File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - File 3O-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink 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)				
5,200.0	5,149.5	5,195.3	5,166.1	15.2	13.0	144.43	-412.9	322.5	222.9	199.9	22.95	9.712		
5,300.0	5,248.4	5,295.1	5,265.3	15.5	13.2	144.48	-421.7	329.6	227.7	204.3	23.40	9.731		
5,400.0	5,347.2	5,395.0	5,364.6	15.8	13.5	144.53	-430.6	336.7	232.6	208.7	23.86	9.750		
5,500.0	5,446.1	5,494.9	5,463.8	16.2	13.7	144.57	-439.4	343.8	237.5	213.1	24.31	9.768		
5,600.0	5,544.9	5,594.8	5,563.0	16.5	14.0	144.62	-448.2	350.9	242.3	217.6	24.76	9.785		
5,700.0	5,643.8	5,694.7	5,662.3	16.8	14.3	144.66	-457.1	358.0	247.2	222.0	25.22	9.801		
5,800.0	5,742.6	5,794.5	5,761.5	17.1	14.5	144.70	-465.9	365.1	252.0	226.4	25.67	9.817		
5,900.0	5,841.5	5,894.4	5,860.7	17.4	14.8	144.74	-474.8	372.2	256.9	230.8	26.13	9.833		
6,000.0	5,940.4	5,994.3	5,960.0	17.7	15.1	144.77	-483.6	379.3	261.7	235.2	26.58	9.848		
6,100.0	6,039.2	6,094.2	6,059.2	18.1	15.3	144.81	-492.5	386.3	266.6	239.6	27.03	9.862		
6,200.0	6,138.1	6,194.1	6,158.4	18.4	15.6	144.84	-501.3	393.4	271.5	244.0	27.49	9.876		
6,300.0	6,236.9	6,294.0	6,257.7	18.7	15.9	144.87	-510.2	400.5	276.3	248.4	27.94	9.889		
6,400.0	6,335.8	6,393.8	6,356.9	19.0	16.1	144.91	-519.0	407.6	281.2	252.8	28.39	9.903		
6,500.0	6,434.7	6,493.7	6,456.2	19.3	16.4	144.94	-527.9	414.7	286.0	257.2	28.85	9.915		
6,600.0	6,533.5	6,593.6	6,555.4	19.6	16.6	144.97	-536.7	421.8	290.9	261.6	29.30	9.927		
6,700.0	6,632.4	6,693.5	6,654.6	20.0	16.9	145.00	-545.6	428.9	295.7	266.0	29.75	9.939		
6,800.0	6,731.2	6,793.4	6,753.9	20.3	17.2	145.02	-554.4	436.0	300.6	270.4	30.21	9.951		
6,900.0	6,830.3	6,893.1	6,852.9	20.5	17.4	-164.80	-563.3	443.1	305.3	274.6	30.70	9.963		
7,000.0	6,928.8	6,990.8	6,950.0	20.6	17.7	-122.14	-571.9	450.0	310.1	278.5	31.63	9.976		
7,100.0	7,023.8	7,088.1	7,046.9	20.6	17.9	-114.53	-577.0	456.9	317.7	285.1	32.55	9.989		
7,200.0	7,112.4	7,192.5	7,150.3	20.5	17.9	-114.47	-565.2	464.1	328.6	295.9	32.72	10.044		
7,300.0	7,192.0	7,304.9	7,257.1	20.3	17.8	-116.48	-531.8	471.4	342.0	310.0	31.99	10.690		
7,400.0	7,260.1	7,426.5	7,363.0	20.0	17.4	-119.03	-472.9	478.4	356.5	326.0	30.48	11.698		
7,500.0	7,314.7	7,558.0	7,460.8	19.8	17.0	-121.45	-385.6	484.5	370.5	342.0	28.48	13.008		
7,600.0	7,354.0	7,699.2	7,540.8	19.7	16.6	-123.35	-269.7	489.2	382.1	355.6	26.54	14.396		
7,700.0	7,376.9	7,848.3	7,591.9	19.7	16.3	-124.46	-130.2	491.6	389.7	364.4	25.36	15.370		
7,800.0	7,383.0	7,992.3	7,606.0	19.8	16.4	-124.64	12.8	491.3	392.3	366.8	25.45	15.411		
7,900.0	7,383.0	8,092.3	7,606.0	20.0	16.7	-124.57	112.8	490.4	393.0	366.9	26.13	15.040		
8,000.0	7,383.0	8,192.3	7,606.0	20.4	17.2	-124.50	212.8	489.6	393.7	366.6	27.10	14.530		
8,100.0	7,383.0	8,292.3	7,606.0	21.0	17.9	-124.43	312.8	488.7	394.4	366.1	28.33	13.922		
8,200.0	7,383.0	8,392.3	7,606.0	21.6	18.6	-124.36	412.8	487.8	395.2	365.4	29.80	13.259		
8,300.0	7,383.0	8,492.3	7,606.0	22.4	19.5	-124.28	512.8	486.9	395.9	364.4	31.48	12.577		
8,400.0	7,383.0	8,592.3	7,606.0	23.3	20.6	-124.21	612.8	486.1	396.6	363.3	33.33	11.901		
8,500.0	7,383.0	8,692.3	7,606.0	24.3	21.7	-124.14	712.8	485.2	397.3	362.0	35.32	11.249		
8,600.0	7,383.0	8,792.3	7,606.0	25.3	22.9	-124.07	812.8	484.3	398.1	360.6	37.44	10.631		
8,700.0	7,383.0	8,892.3	7,606.0	26.5	24.1	-124.00	912.8	483.5	398.8	359.1	39.67	10.052		
8,800.0	7,383.0	8,992.3	7,606.0	27.7	25.4	-123.93	1,012.7	482.6	399.5	357.5	41.99	9.514		
8,900.0	7,383.0	9,092.3	7,606.0	29.0	26.8	-123.86	1,112.7	481.7	400.2	355.8	44.39	9.017		
9,000.0	7,383.0	9,192.3	7,606.0	30.3	28.2	-123.79	1,212.7	480.8	401.0	354.1	46.85	8.558		
9,100.0	7,383.0	9,292.3	7,606.0	31.6	29.7	-123.72	1,312.7	480.0	401.7	352.3	49.37	8.136		
9,200.0	7,383.0	9,392.3	7,606.0	33.0	31.2	-123.65	1,412.7	479.1	402.4	350.5	51.94	7.748		
9,300.0	7,383.0	9,492.3	7,606.0	34.4	32.7	-123.59	1,512.7	478.2	403.1	348.6	54.55	7.390		
9,400.0	7,383.0	9,592.3	7,606.0	35.9	34.2	-123.52	1,612.7	477.3	403.9	346.7	57.20	7.060		
9,500.0	7,383.0	9,692.3	7,606.0	37.4	35.7	-123.45	1,712.7	476.5	404.6	344.7	59.88	6.756		
9,600.0	7,383.0	9,792.3	7,606.0	38.9	37.3	-123.38	1,812.7	475.6	405.3	342.7	62.60	6.475		
9,700.0	7,383.0	9,892.3	7,606.0	40.4	38.9	-123.31	1,912.7	474.7	406.0	340.7	65.34	6.215		
9,800.0	7,383.0	9,992.3	7,606.0	42.0	40.5	-123.25	2,012.7	473.9	406.8	338.7	68.10	5.973		
9,900.0	7,383.0	10,092.3	7,606.0	43.5	42.1	-123.18	2,112.7	473.0	407.5	336.6	70.89	5.749		
10,000.0	7,383.0	10,192.3	7,606.0	45.1	43.7	-123.11	2,212.7	472.1	408.2	334.5	73.69	5.540		
10,100.0	7,383.0	10,292.3	7,606.0	46.7	45.4	-123.04	2,312.7	471.2	409.0	332.4	76.51	5.345		
10,200.0	7,383.0	10,392.3	7,606.0	48.3	47.0	-122.98	2,412.6	470.4	409.7	330.3	79.35	5.163		
10,300.0	7,383.0	10,492.3	7,606.0	49.9	48.6	-122.91	2,512.6	469.5	410.4	328.2	82.21	4.993		

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 File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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										S32-T2N-R68W (File) - File 3O-32H-K268 - Hz - Plan #1				Offset Site Error:		0.0 ft	
Survey Program:										0-Geolink 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 Axis	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)							
10,400.0	7,383.0	10,592.2	7,606.0	51.5	50.3	-122.85	2,612.6	468.6	411.2	326.1	85.08	4.833					
10,500.0	7,383.0	10,692.2	7,606.0	53.1	52.0	-122.78	2,712.6	467.7	411.9	323.9	87.96	4.683					
10,600.0	7,383.0	10,792.2	7,606.0	54.8	53.6	-122.71	2,812.6	466.9	412.6	321.8	90.85	4.542					
10,700.0	7,383.0	10,892.2	7,606.0	56.4	55.3	-122.65	2,912.6	466.0	413.4	319.6	93.76	4.409					
10,800.0	7,383.0	10,992.2	7,606.0	58.0	57.0	-122.58	3,012.6	465.1	414.1	317.4	96.68	4.283					
10,880.7	7,383.0	11,073.0	7,606.0	59.4	58.3	-122.53	3,093.3	464.4	414.7	315.7	99.04	4.187 SF					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - NELSON 4 (EXISTING) - TEXAS TEA WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 4996-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	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	56.67	182.1	277.0	331.5					
100.0	100.0	99.0	99.0	0.2	0.2	56.67	182.1	277.0	331.5	331.2	0.32	1,022.454		
200.0	200.0	199.0	199.0	0.3	0.3	56.67	182.1	277.0	331.5	330.8	0.67	492.666		
300.0	300.0	299.0	299.0	0.5	0.5	-71.17	182.1	277.0	331.2	330.2	1.02	323.982		
400.0	400.0	399.0	399.0	0.7	0.7	-71.61	182.1	277.0	330.4	329.0	1.38	240.172		
500.0	499.9	498.9	498.9	0.9	0.9	-72.34	182.1	277.0	329.0	327.3	1.74	189.518		
600.0	599.7	598.7	598.7	1.1	1.0	-73.37	182.1	277.0	327.2	325.1	2.11	155.268		
700.0	699.4	698.4	698.4	1.3	1.2	-74.72	182.1	277.0	325.1	322.6	2.49	130.378		
800.0	798.9	797.9	797.9	1.5	1.4	-76.37	182.1	277.0	322.7	319.8	2.90	111.385		
900.0	898.3	897.3	897.3	1.8	1.6	-78.36	182.1	277.0	320.2	316.8	3.32	96.397		
1,000.0	997.4	996.4	996.4	2.0	1.7	-80.67	182.1	277.0	317.8	314.0	3.77	84.300		
1,100.0	1,096.3	1,095.3	1,095.3	2.3	1.9	-83.28	182.1	277.0	315.7	311.5	4.24	74.506		
1,200.0	1,195.2	1,194.2	1,194.2	2.6	2.1	-85.98	182.1	277.0	314.3	309.6	4.71	66.708		
1,300.0	1,294.0	1,293.0	1,293.0	2.9	2.3	-88.70	182.1	277.0	313.6	308.4	5.19	60.440		
1,347.8	1,341.3	1,340.3	1,340.3	3.1	2.3	-90.00	182.1	277.0	313.5	308.1	5.42	57.873 CC		
1,400.0	1,392.9	1,391.9	1,391.9	3.2	2.4	-91.42	182.1	277.0	313.6	307.9	5.67	55.350 ES		
1,500.0	1,491.8	1,490.8	1,490.8	3.5	2.6	-94.14	182.1	277.0	314.3	308.2	6.14	51.184		
1,600.0	1,590.6	1,589.6	1,589.6	3.9	2.8	-96.83	182.1	277.0	315.8	309.2	6.61	47.751		
1,700.0	1,689.5	1,688.5	1,688.5	4.2	2.9	-99.50	182.1	277.0	317.9	310.9	7.08	44.909		
1,800.0	1,788.3	1,787.3	1,787.3	4.5	3.1	-102.13	182.1	277.0	320.8	313.3	7.54	42.547		
1,900.0	1,887.2	1,886.2	1,886.2	4.8	3.3	-104.70	182.1	277.0	324.3	316.3	7.99	40.579		
2,000.0	1,986.0	1,985.0	1,985.0	5.1	3.5	-107.22	182.1	277.0	328.5	320.1	8.44	38.938		
2,100.0	2,084.9	2,083.9	2,083.9	5.4	3.6	-109.67	182.1	277.0	333.3	324.5	8.87	37.570		
2,200.0	2,183.8	2,182.8	2,182.8	5.7	3.8	-112.05	182.1	277.0	338.8	329.5	9.30	36.430		
2,300.0	2,282.6	2,281.6	2,281.6	6.0	4.0	-114.35	182.1	277.0	344.8	335.0	9.72	35.482		
2,400.0	2,381.5	2,380.5	2,380.5	6.4	4.1	-116.57	182.1	277.0	351.3	341.2	10.12	34.696		
2,500.0	2,480.3	2,479.3	2,479.3	6.7	4.3	-118.70	182.1	277.0	358.4	347.8	10.52	34.049		
2,600.0	2,579.2	2,578.2	2,578.2	7.0	4.5	-120.75	182.1	277.0	365.9	355.0	10.92	33.519		
2,700.0	2,678.0	2,677.0	2,677.0	7.3	4.7	-122.72	182.1	277.0	373.9	362.6	11.30	33.089		
2,800.0	2,776.9	2,775.9	2,775.9	7.6	4.8	-124.61	182.1	277.0	382.3	370.6	11.68	32.744		
2,900.0	2,875.8	2,874.8	2,874.8	7.9	5.0	-126.41	182.1	277.0	391.1	379.1	12.05	32.471		
3,000.0	2,974.6	2,973.6	2,973.6	8.3	5.2	-128.14	182.1	277.0	400.3	387.9	12.41	32.262		
3,100.0	3,073.5	3,072.5	3,072.5	8.6	5.3	-129.78	182.1	277.0	409.9	397.1	12.77	32.105		
3,200.0	3,172.3	3,171.3	3,171.3	8.9	5.5	-131.35	182.1	277.0	419.7	406.6	13.12	31.994		
3,300.0	3,271.2	3,270.2	3,270.2	9.2	5.7	-132.85	182.1	277.0	429.9	416.4	13.47	31.921		
3,400.0	3,370.1	3,369.1	3,369.1	9.5	5.9	-134.28	182.1	277.0	440.3	426.5	13.81	31.882		
3,500.0	3,468.9	3,467.9	3,467.9	9.8	6.0	-135.64	182.1	277.0	451.1	436.9	14.15	31.871 SF		
3,600.0	3,567.8	3,566.8	3,566.8	10.1	6.2	-136.94	182.1	277.0	462.0	447.5	14.49	31.884		
3,700.0	3,666.6	3,665.6	3,665.6	10.5	6.4	-138.18	182.1	277.0	473.2	458.4	14.83	31.918		
3,800.0	3,765.5	3,764.5	3,764.5	10.8	6.6	-139.37	182.1	277.0	484.6	469.4	15.16	31.969		
3,900.0	3,864.3	3,863.3	3,863.3	11.1	6.7	-140.49	182.1	277.0	496.2	480.7	15.49	32.034		

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 File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - RAY NELSON 23-32 (EXISTING) - ENCANA WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8140-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	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	70.10	154.1	425.5	462.8					
100.0	100.0	3.0	3.0	0.2	0.0	70.10	154.1	425.5	452.6	452.4	0.16	2,877.484		
200.0	200.0	103.0	103.0	0.3	0.2	70.10	154.1	425.5	452.6	452.1	0.51	893.801		
300.0	300.0	203.0	203.0	0.5	0.4	-57.70	154.1	425.5	452.1	451.2	0.86	528.134		
400.0	400.0	303.0	303.0	0.7	0.5	-57.99	154.1	425.5	450.7	449.5	1.21	372.880		
500.0	499.9	402.9	402.9	0.9	0.7	-58.48	154.1	425.5	448.4	446.8	1.57	286.126		
600.0	599.7	502.7	502.7	1.1	0.9	-59.18	154.1	425.5	445.2	443.3	1.93	230.177		
700.0	699.4	602.4	602.4	1.3	1.1	-60.08	154.1	425.5	441.3	439.0	2.31	190.746		
800.0	798.9	701.9	701.9	1.5	1.2	-61.21	154.1	425.5	436.6	433.8	2.71	161.237		
900.0	898.3	801.3	801.3	1.8	1.4	-62.57	154.1	425.5	431.2	428.1	3.12	138.191		
1,000.0	997.4	900.4	900.4	2.0	1.6	-64.17	154.1	425.5	425.3	421.8	3.56	119.630		
1,100.0	1,096.3	999.3	999.3	2.3	1.7	-66.00	154.1	425.5	419.1	415.1	4.01	104.486		
1,200.0	1,195.2	1,098.2	1,098.2	2.6	1.9	-67.90	154.1	425.5	413.1	408.6	4.48	92.279		
1,300.0	1,294.0	1,197.0	1,197.0	2.9	2.1	-69.84	154.1	425.5	407.6	402.7	4.95	82.331		
1,400.0	1,392.9	1,295.9	1,295.9	3.2	2.3	-71.83	154.1	425.5	402.6	397.2	5.43	74.121		
1,500.0	1,491.8	1,394.8	1,394.8	3.5	2.4	-73.87	154.1	425.5	398.1	392.2	5.92	67.270		
1,600.0	1,590.6	1,493.6	1,493.6	3.9	2.6	-75.95	154.1	425.5	394.2	387.8	6.41	61.501		
1,700.0	1,689.5	1,592.5	1,592.5	4.2	2.8	-78.07	154.1	425.5	390.7	383.8	6.90	56.606		
1,800.0	1,788.3	1,691.3	1,691.3	4.5	3.0	-80.23	154.1	425.5	387.9	380.5	7.40	52.427		
1,900.0	1,887.2	1,790.2	1,790.2	4.8	3.1	-82.41	154.1	425.5	385.6	377.7	7.89	48.841		
2,000.0	1,986.0	1,889.0	1,889.0	5.1	3.3	-84.62	154.1	425.5	383.8	375.5	8.39	45.752		
2,100.0	2,084.9	1,987.9	1,987.9	5.4	3.5	-86.84	154.1	425.5	382.7	373.8	8.88	43.083		
2,200.0	2,183.8	2,086.8	2,086.8	5.7	3.6	-89.07	154.1	425.5	382.2	372.8	9.37	40.771		
2,241.8	2,225.1	2,128.1	2,128.1	5.9	3.7	-90.00	154.1	425.5	382.1	372.5	9.58	39.899 CC		
2,300.0	2,282.6	2,185.6	2,185.6	6.0	3.8	-91.30	154.1	425.5	382.2	372.4	9.86	38.766		
2,400.0	2,381.5	2,284.5	2,284.5	6.4	4.0	-93.53	154.1	425.5	382.9	372.5	10.34	37.026		
2,500.0	2,480.3	2,383.3	2,383.3	6.7	4.2	-95.75	154.1	425.5	384.1	373.3	10.81	35.515		
2,600.0	2,579.2	2,482.2	2,482.2	7.0	4.3	-97.95	154.1	425.5	385.9	374.6	11.28	34.205		
2,700.0	2,678.0	2,581.0	2,581.0	7.3	4.5	-100.13	154.1	425.5	388.3	376.6	11.74	33.070		
2,800.0	2,776.9	2,679.9	2,679.9	7.6	4.7	-102.28	154.1	425.5	391.3	379.1	12.19	32.090		
2,900.0	2,875.8	2,778.8	2,778.8	7.9	4.8	-104.39	154.1	425.5	394.8	382.1	12.64	31.244		
3,000.0	2,974.6	2,877.6	2,877.6	8.3	5.0	-106.47	154.1	425.5	398.8	385.8	13.07	30.518		
3,100.0	3,073.5	2,976.5	2,976.5	8.6	5.2	-108.50	154.1	425.5	403.4	389.9	13.49	29.897		
3,200.0	3,172.3	3,075.3	3,075.3	8.9	5.4	-110.48	154.1	425.5	408.5	394.6	13.91	29.370		
3,300.0	3,271.2	3,174.2	3,174.2	9.2	5.5	-112.42	154.1	425.5	414.1	399.7	14.31	28.926		
3,400.0	3,370.1	3,273.1	3,273.1	9.5	5.7	-114.30	154.1	425.5	420.1	405.4	14.71	28.554		
3,500.0	3,468.9	3,371.9	3,371.9	9.8	5.9	-116.13	154.1	425.5	426.6	411.5	15.10	28.248		
3,600.0	3,567.8	3,470.8	3,470.8	10.1	6.1	-117.90	154.1	425.5	433.5	418.0	15.48	27.999		
3,700.0	3,666.6	3,569.6	3,569.6	10.5	6.2	-119.62	154.1	425.5	440.8	424.9	15.86	27.801		
3,800.0	3,765.5	3,668.5	3,668.5	10.8	6.4	-121.28	154.1	425.5	448.5	432.3	16.22	27.648		
3,900.0	3,864.3	3,767.3	3,767.3	11.1	6.6	-122.88	154.1	425.5	456.6	440.0	16.58	27.535		
4,000.0	3,963.2	3,866.2	3,866.2	11.4	6.7	-124.43	154.1	425.5	465.0	448.1	16.94	27.457		
4,100.0	4,062.1	3,965.1	3,965.1	11.7	6.9	-125.92	154.1	425.5	473.7	456.5	17.28	27.410		
4,200.0	4,160.9	4,063.9	4,063.9	12.0	7.1	-127.36	154.1	425.5	482.8	465.2	17.63	27.390		
4,300.0	4,259.8	4,162.8	4,162.8	12.4	7.3	-128.74	154.1	425.5	492.2	474.2	17.97	27.395		
7,700.0	7,376.9	7,279.9	7,279.9	19.7	12.7	-85.12	154.1	425.5	455.1	429.1	25.98	17.517		
7,800.0	7,383.0	7,286.0	7,286.0	19.8	12.7	-90.00	154.1	425.5	412.4	386.1	26.30	15.680		
7,900.0	7,383.0	7,286.0	7,286.0	20.0	12.7	-90.00	154.1	425.5	390.4	363.7	26.67	14.638		
7,938.4	7,383.0	7,286.0	7,286.0	20.2	12.7	-90.00	154.1	425.5	388.5	361.6	26.89	14.448 ES		
8,000.0	7,383.0	7,286.0	7,286.0	20.4	12.7	-90.00	154.1	425.5	393.4	366.1	27.24	14.440 SF		
8,100.0	7,383.0	7,286.0	7,286.0	21.0	12.7	-90.00	154.1	425.5	420.8	392.8	27.99	15.031		
8,200.0	7,383.0	7,286.0	7,286.0	21.6	12.7	-90.00	154.1	425.5	468.4	439.4	28.90	16.205		

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 File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - RAY NELSON 4-4-32 (EXISTING) - ENCANA WELL - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 60-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	3.2	3.2	0.0	0.0	66.08	185.4	418.0	457.3					
100.0	100.0	104.9	104.9	0.2	0.2	65.91	186.4	417.0	456.8	0.31	1,486.464			
123.0	123.0	126.0	126.0	0.2	0.2	65.86	186.8	416.8	456.7	0.38	1,188.011			
200.0	200.0	196.1	196.0	0.3	0.3	65.64	188.6	416.5	457.3	0.64	710.293			
300.0	300.0	283.8	283.6	0.5	0.5	-62.48	192.3	417.6	459.7	0.98	467.028			
400.0	400.0	367.6	367.2	0.7	0.7	-63.13	197.6	420.5	464.4	1.32	351.385			
500.0	499.9	457.6	456.8	0.9	0.9	-64.01	204.9	425.8	471.3	1.68	280.952			
600.0	599.7	546.0	544.6	1.1	1.1	-65.01	212.8	432.6	479.6	2.04	235.060			
700.0	699.4	643.6	641.3	1.3	1.4	-66.34	222.8	440.7	488.6	2.44	200.633			
800.0	798.9	740.5	737.3	1.5	1.6	-67.85	233.3	448.8	497.7	2.84	174.951			
8,200.0	7,383.0	7,430.2	7,380.0	21.6	19.0	84.98	837.5	882.4	427.5	33.42	12.792			
8,300.0	7,383.0	7,431.6	7,381.4	22.4	19.0	86.15	837.6	882.5	329.1	34.47	9.550			
8,400.0	7,383.0	7,433.0	7,382.8	23.3	19.0	87.33	837.6	882.5	232.3	35.62	6.521			
8,500.0	7,383.0	7,434.4	7,384.2	24.3	19.0	88.50	837.6	882.5	139.8	36.85	3.795			
8,600.0	7,383.0	7,435.8	7,385.6	25.3	19.0	89.67	837.6	882.5	71.9	38.16	1.883			
8,622.0	7,383.0	7,436.1	7,385.9	25.6	19.0	89.92	837.6	882.5	68.4	38.45	1.779 CC, ES, SF			
8,700.0	7,383.0	7,437.2	7,387.0	26.5	19.0	90.83	837.6	882.5	103.8	39.51	2.626			
8,800.0	7,383.0	7,438.6	7,388.4	27.7	19.0	91.99	837.7	882.5	190.7	40.90	4.663			
8,900.0	7,383.0	7,440.0	7,389.7	29.0	19.0	93.12	837.7	882.5	286.3	42.32	6.765			
9,000.0	7,383.0	7,441.3	7,391.1	30.3	19.0	94.24	837.7	882.5	384.1	43.75	8.779			
9,100.0	7,383.0	7,442.6	7,392.4	31.6	19.0	95.34	837.7	882.5	482.8	45.21	10.681			

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - RAY NELSON 4-6-32 (EXISTING) - ENCANA WELL - SURVEYS														Offset Site Error:	0.0 ft
Survey Program: 60-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	3.1	3.1	0.0	0.0	68.49	167.6	425.3	457.1						
100.0	100.0	104.9	104.9	0.2	0.2	68.55	167.0	425.1	456.7	0.31	1,485.150				
192.8	192.8	195.8	195.8	0.3	0.3	68.78	165.2	425.5	456.4	0.63	724.292				
200.0	200.0	202.4	202.4	0.3	0.3	68.81	165.0	425.5	456.4	0.65	697.627				
300.0	300.0	299.1	298.9	0.5	0.5	-58.37	160.6	427.7	456.4	1.02	448.808				
367.7	367.7	364.3	364.0	0.6	0.7	-57.87	156.0	430.2	456.4	1.28	357.398				
400.0	400.0	392.4	391.9	0.7	0.7	-57.64	153.7	431.6	456.4	1.40	326.467				
500.0	499.9	485.0	483.9	0.9	0.9	-56.81	145.4	438.1	457.6	1.81	253.244				
600.0	599.7	583.4	581.5	1.1	1.2	-55.91	135.3	446.1	458.7	2.26	203.156				
700.0	699.4	688.0	685.1	1.3	1.5	-55.03	123.6	454.5	458.5	2.75	167.002				
800.0	798.9	791.7	787.9	1.5	1.8	-54.43	112.2	461.9	456.6	3.24	140.995				
900.0	898.3	890.9	886.2	1.8	2.1	-53.99	100.8	468.5	453.1	3.75	120.939				
1,000.0	997.4	986.4	980.6	2.0	2.4	-53.58	88.9	475.7	449.2	4.27	105.118				
1,100.0	1,096.3	1,078.1	1,071.3	2.3	2.7	-53.29	77.5	483.9	445.7	4.79	92.967				
1,200.0	1,195.2	1,182.7	1,174.7	2.6	3.0	-53.11	65.6	493.7	442.6	5.35	82.769				
1,300.0	1,294.0	1,282.2	1,273.3	2.9	3.3	-52.96	54.3	502.2	438.9	5.90	74.448				
1,400.0	1,392.9	1,384.0	1,373.9	3.2	3.6	-52.78	42.6	510.9	434.9	6.45	67.439				
1,500.0	1,491.8	1,480.6	1,469.6	3.5	3.9	-52.64	31.7	519.2	431.2	6.98	61.739				
1,600.0	1,590.6	1,580.6	1,568.6	3.9	4.2	-52.51	20.7	528.1	427.8	7.53	56.785				
1,700.0	1,689.5	1,679.2	1,666.1	4.2	4.5	-52.32	9.5	537.3	424.7	8.08	52.565				
1,800.0	1,788.3	1,781.4	1,767.3	4.5	4.8	-52.25	-1.3	546.3	421.4	8.63	48.853				
1,900.0	1,887.2	1,883.0	1,867.9	4.8	5.1	-52.17	-12.2	554.9	417.7	9.17	45.543				
2,000.0	1,986.0	1,985.4	1,969.6	5.1	5.4	-52.22	-22.4	562.8	413.4	9.71	42.556				
2,100.0	2,084.9	2,086.2	2,069.5	5.4	5.7	-52.23	-32.9	570.2	408.6	10.26	39.825				
2,200.0	2,183.8	2,185.2	2,167.7	5.7	6.0	-52.15	-43.7	577.6	403.9	10.80	37.395				
2,300.0	2,282.6	2,284.9	2,266.5	6.0	6.2	-52.10	-54.4	585.3	399.4	11.34	35.221				
2,400.0	2,381.5	2,387.0	2,367.8	6.4	6.5	-52.08	-65.1	592.8	394.7	11.89	33.192				
2,500.0	2,480.3	2,487.0	2,466.8	6.7	6.8	-51.93	-76.6	599.9	389.5	12.45	31.294				
2,600.0	2,579.2	2,583.5	2,562.3	7.0	7.1	-51.61	-88.7	607.5	384.8	12.99	29.629				
2,700.0	2,678.0	2,678.6	2,656.3	7.3	7.4	-51.29	-100.3	616.0	381.1	13.52	28.197				
2,800.0	2,776.9	2,779.3	2,755.8	7.6	7.8	-50.99	-112.2	625.7	378.3	14.06	26.914				
2,900.0	2,875.8	2,880.9	2,856.3	7.9	8.1	-50.78	-123.7	634.8	374.9	14.60	25.680				
3,000.0	2,974.6	2,981.2	2,955.5	8.3	8.4	-50.53	-135.4	643.5	371.3	15.14	24.517				
3,100.0	3,073.5	3,081.1	3,054.5	8.6	8.7	-50.29	-146.9	652.2	367.6	15.67	23.463				
3,200.0	3,172.3	3,183.0	3,155.5	8.9	9.0	-50.24	-157.5	660.3	363.5	16.20	22.429				
3,300.0	3,271.2	3,279.9	3,251.4	9.2	9.3	-50.04	-168.5	668.4	359.5	16.74	21.472				
3,400.0	3,370.1	3,383.4	3,353.8	9.5	9.6	-49.76	-180.6	677.1	355.5	17.27	20.582				
3,500.0	3,468.9	3,481.4	3,450.8	9.8	9.9	-49.60	-191.4	685.1	351.5	17.79	19.753				
3,600.0	3,567.8	3,581.8	3,550.3	10.1	10.2	-49.53	-201.9	693.4	347.6	18.32	18.973				
3,700.0	3,666.6	3,683.8	3,651.5	10.5	10.5	-49.44	-212.7	701.5	343.4	18.86	18.210				
3,800.0	3,765.5	3,785.4	3,752.3	10.8	10.7	-49.39	-223.3	708.8	338.5	19.39	17.458				
3,900.0	3,864.3	3,886.2	3,852.2	11.1	11.0	-49.24	-234.6	715.9	333.3	19.92	16.733				
4,000.0	3,963.2	3,985.6	3,950.8	11.4	11.3	-49.13	-245.4	722.7	328.0	20.44	16.044				
4,100.0	4,062.1	4,084.2	4,048.5	11.7	11.6	-48.98	-256.3	729.8	323.0	20.96	15.408				
4,200.0	4,160.9	4,185.5	4,148.9	12.0	11.9	-48.85	-267.3	737.2	318.2	21.48	14.813				
4,300.0	4,259.8	4,288.7	4,251.4	12.4	12.2	-48.94	-277.5	743.5	312.3	22.01	14.187				
4,400.0	4,358.6	4,388.4	4,350.5	12.7	12.4	-49.16	-286.8	748.9	305.9	22.56	13.560				
4,500.0	4,457.5	4,488.2	4,449.7	13.0	12.7	-49.27	-296.7	754.6	299.6	23.10	12.970				
4,600.0	4,556.3	4,585.7	4,546.6	13.3	12.9	-49.41	-306.2	760.5	293.7	23.63	12.431				
4,700.0	4,655.2	4,686.7	4,646.8	13.6	13.2	-49.49	-316.3	766.7	287.9	24.17	11.908				
4,800.0	4,754.1	4,781.0	4,740.4	13.9	13.5	-49.47	-326.0	773.5	283.1	24.69	11.466				
4,900.0	4,852.9	4,881.0	4,839.6	14.3	13.8	-49.55	-335.7	781.5	279.1	25.23	11.064				

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 File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - RAY NELSON 4-6-32 (EXISTING) - ENCANA WELL - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 60-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)						
5,000.0	4,951.8	4,980.4	4,938.2	14.6	14.0	-49.47	-346.0	789.6	275.2	249.4	25.76	10.685		
5,100.0	5,050.6	5,081.2	5,038.1	14.9	14.3	-49.48	-356.0	797.9	271.4	245.1	26.29	10.326		
5,200.0	5,149.5	5,181.1	5,137.3	15.2	14.6	-49.82	-364.6	805.4	267.2	240.3	26.85	9.951		
5,300.0	5,248.4	5,278.1	5,233.7	15.5	14.9	-50.11	-373.0	813.3	263.6	236.2	27.41	9.616		
5,400.0	5,347.2	5,375.5	5,330.2	15.8	15.2	-50.21	-382.0	822.6	261.2	233.3	27.95	9.345		
5,500.0	5,446.1	5,475.9	5,429.6	16.2	15.4	-50.14	-392.0	832.6	259.2	230.7	28.48	9.101		
5,600.0	5,544.9	5,578.1	5,530.8	16.5	15.7	-50.25	-401.5	842.2	256.7	227.7	29.03	8.843		
5,700.0	5,643.8	5,678.7	5,630.6	16.8	16.0	-50.29	-411.4	850.9	253.3	223.8	29.58	8.565		
5,800.0	5,742.6	5,779.3	5,730.3	17.1	16.3	-50.30	-421.3	859.7	250.1	220.0	30.11	8.308		
5,900.0	5,841.5	5,882.2	5,832.7	17.4	16.6	-50.84	-429.5	867.4	246.0	215.3	30.71	8.012		
6,000.0	5,940.4	5,983.3	5,933.3	17.7	16.8	-51.78	-436.1	873.5	240.9	209.6	31.35	7.684		
6,100.0	6,039.2	6,083.6	6,033.4	18.1	17.0	-53.23	-440.9	878.9	235.7	203.6	32.07	7.349		
6,200.0	6,138.1	6,184.9	6,134.5	18.4	17.2	-55.07	-444.7	883.6	230.1	197.3	32.84	7.008		
6,300.0	6,236.9	6,284.1	6,233.5	18.7	17.3	-57.26	-447.4	887.4	224.5	190.8	33.64	6.673		
6,400.0	6,335.8	6,384.9	6,334.3	19.0	17.5	-59.89	-449.1	890.7	219.1	184.6	34.48	6.353		
6,500.0	6,434.7	6,482.7	6,432.1	19.3	17.6	-62.68	-450.5	893.7	214.1	178.8	35.31	6.063		
6,600.0	6,533.5	6,583.0	6,532.3	19.6	17.8	-65.72	-451.6	896.9	209.8	173.6	36.14	5.805		
6,700.0	6,632.4	6,681.4	6,630.6	20.0	17.9	-69.00	-452.1	899.6	206.1	169.2	36.93	5.581		
6,800.0	6,731.2	6,781.6	6,730.8	20.3	18.0	-72.71	-451.9	901.8	203.1	165.4	37.68	5.390		
6,900.0	6,830.3	6,882.1	6,831.3	20.5	18.1	-74.90	-451.3	903.1	197.8	159.7	38.07	5.196		
7,000.0	6,928.8	6,980.8	6,930.0	20.6	18.2	-78.65	-450.4	903.6	182.3	144.7	37.55	4.854		
7,100.0	7,023.8	7,075.9	7,025.1	20.6	18.3	-83.06	-449.2	904.0	157.6	121.4	36.13	4.361		
7,200.0	7,112.4	7,166.1	7,115.2	20.5	18.4	-88.51	-447.8	903.9	129.0	95.6	33.42	3.861 SF		
7,296.2	7,189.2	7,242.9	7,192.1	20.3	18.5	-89.97	-446.9	903.8	114.2	84.7	29.53	3.867 CC, ES		
7,300.0	7,192.0	7,245.8	7,195.0	20.3	18.5	-90.99	-446.8	903.8	114.2	84.9	29.37	3.889		
7,400.0	7,260.1	7,315.4	7,264.6	20.0	18.6	-113.91	-445.9	903.9	137.8	111.9	25.87	5.327		
7,500.0	7,314.7	7,371.9	7,321.1	19.8	18.6	-126.56	-444.7	904.1	197.9	174.0	23.89	8.285		
7,600.0	7,354.0	7,413.4	7,362.6	19.7	18.7	-129.65	-443.8	904.2	278.8	255.3	23.54	11.846		
7,700.0	7,376.9	7,438.8	7,387.9	19.7	18.7	-121.46	-443.2	904.4	370.6	344.7	25.90	14.309		
7,800.0	7,383.0	7,447.5	7,396.6	19.8	18.7	-96.71	-443.0	904.4	467.6	437.5	30.03	15.570		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 S32-T2N-R68W (File) - WANDELL 33-7 (EXISTING) - ENCANA WELL - Plan #1													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		
8,200.0	7,383.0	7,333.1	7,187.7	21.6	20.4	-70.60	500.3	373.0	475.2	445.3	29.96	15.861		
8,287.2	7,383.0	7,348.1	7,201.8	22.3	20.5	-72.41	502.9	368.5	467.4	436.3	31.10	15.031 CC		
8,300.0	7,383.0	7,350.9	7,204.4	22.4	20.5	-72.75	503.3	367.7	467.6	436.3	31.27	14.951 ES		
8,400.0	7,383.0	7,371.9	7,224.2	23.3	20.6	-75.29	506.9	361.5	480.3	447.6	32.73	14.676 SF		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3P-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3P-32H-K268	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 Depths are relative to WELL @ 4971.0ft (Original Well Elev)

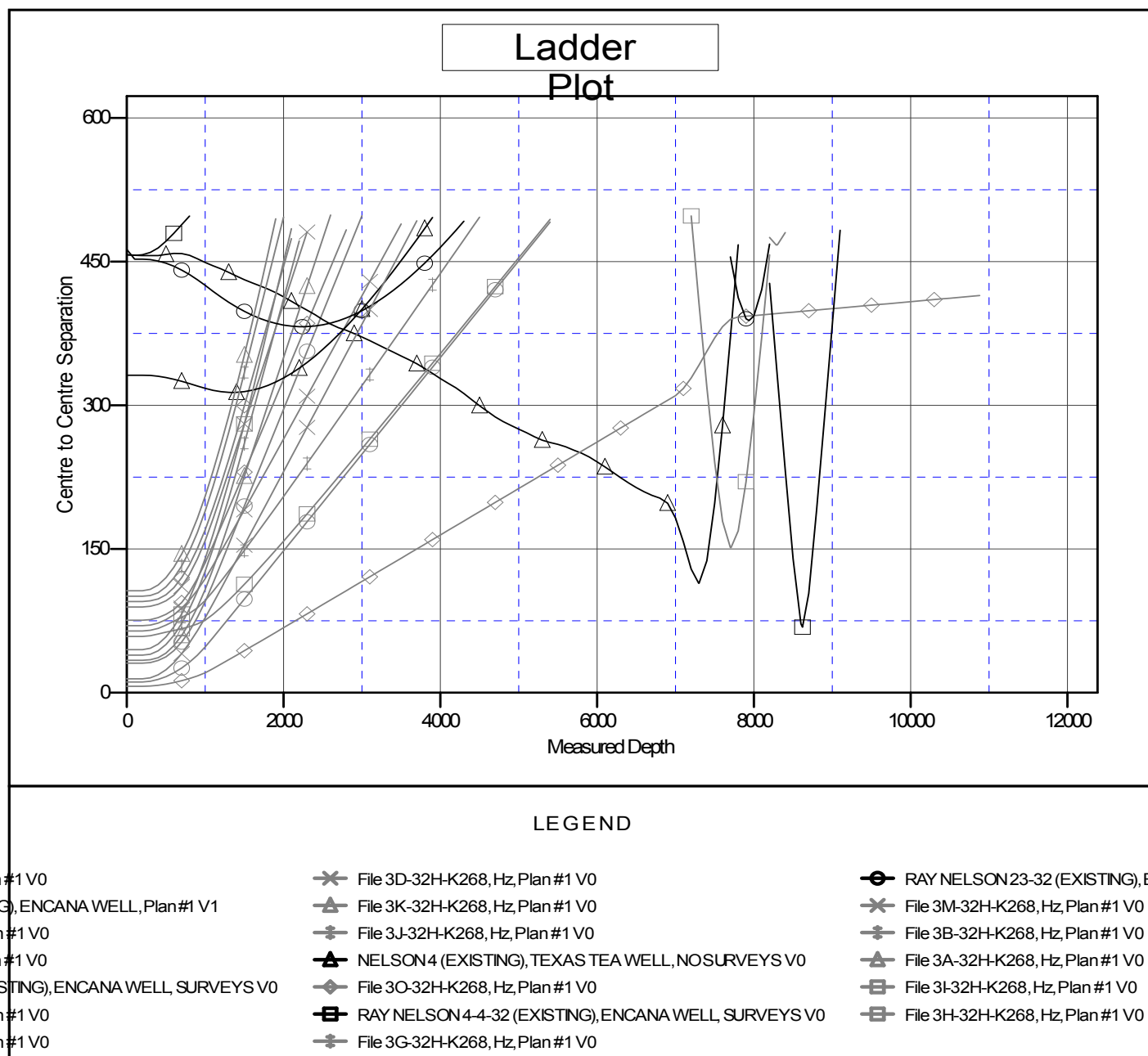
Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: File 3P-32H-K268

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.30°



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