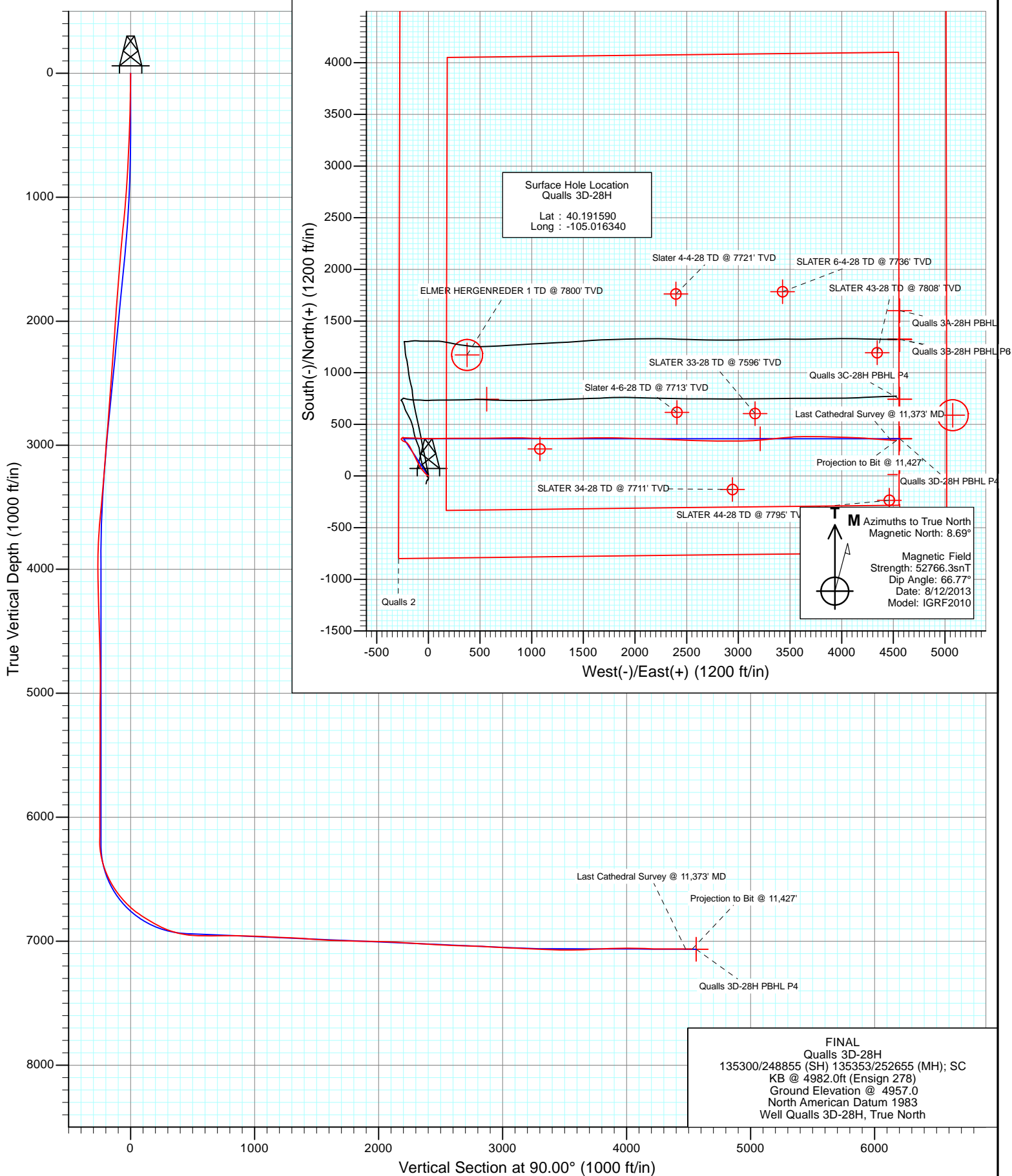


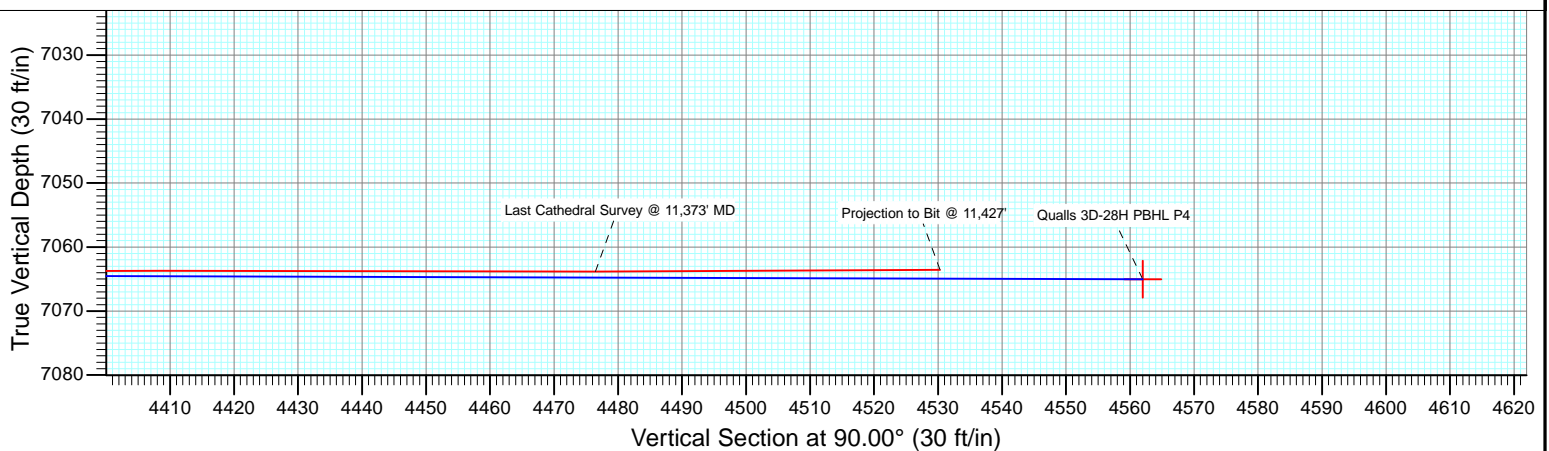
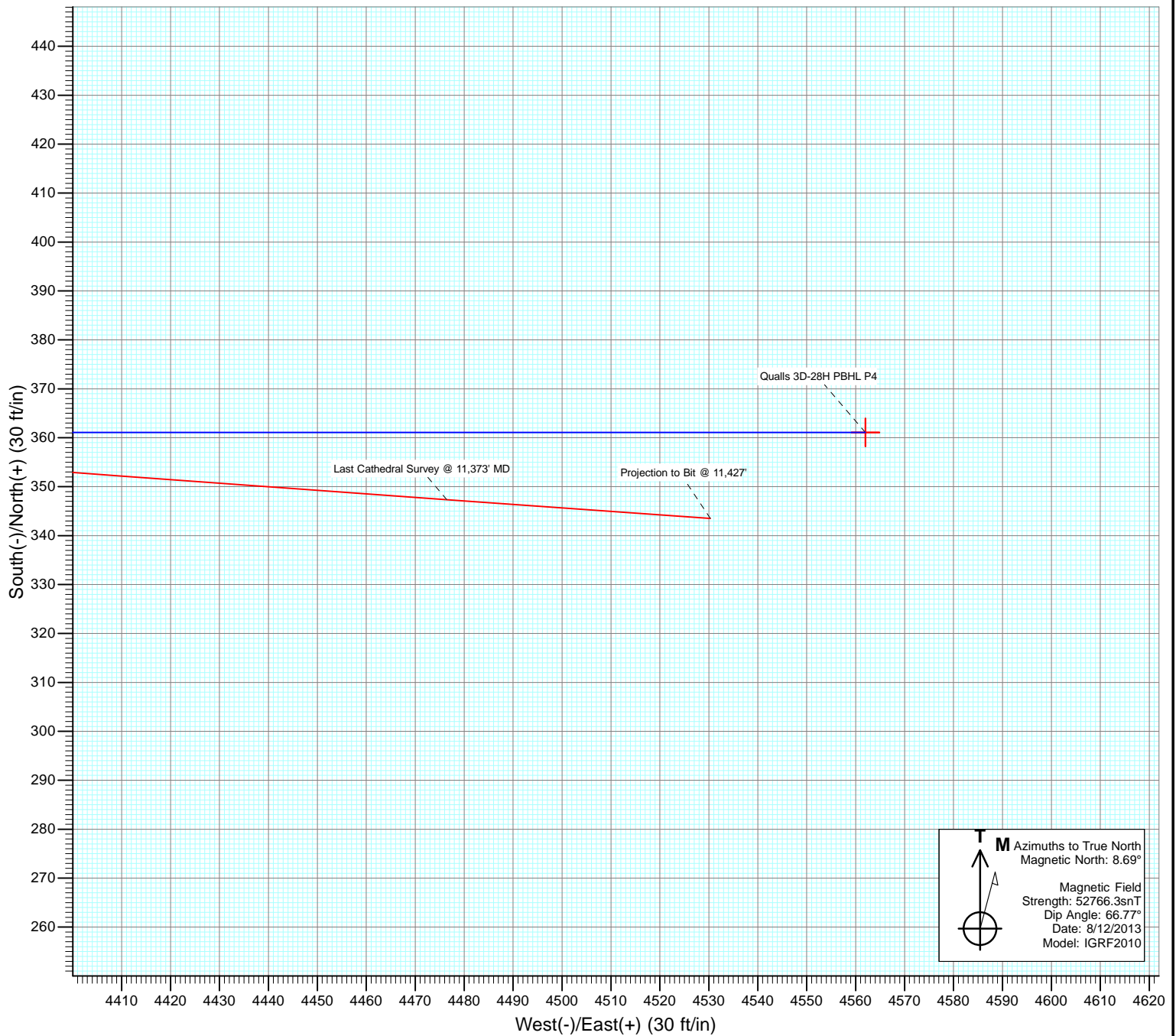


Project: DJ Wattenberg  
Site: S28-T3N-R68W (Qualls)  
Well: Qualls 3D-28H  
Wellbore: Hz  
Design: FINAL





Project: DJ Wattenberg  
Site: S28-T3N-R68W (Qualls)  
Well: Qualls 3D-28H  
Wellbore: Hz  
Design: FINAL



# Cathedral Energy Services

## Survey Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Qualls 3D-28H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 4982.0ft (Ensign 278)
<b>Site:</b>	S28-T3N-R68W (Qualls)	<b>MD Reference:</b>	KB @ 4982.0ft (Ensign 278)
<b>Well:</b>	Qualls 3D-28H	<b>North Reference:</b>	True
<b>Wellbore:</b>	Hz	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL	<b>Database:</b>	USA EDM 5000 Multi Users DB

<b>Project</b>	DJ Wattenberg		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		

Site		S28-T3N-R68W (Qualls)			
Site Position:		Northing:	1,313,038.99 ft	Latitude:	40.191670
From:	Lat/Long	Easting:	3,135,104.30 ft	Longitude:	-105.016410
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.31 °

Well	Qualls 3D-28H					
Well Position	+N/-S	0.0 ft	Northing:	1,313,009.93 ft	Latitude:	40.191590
	+E/-W	0.0 ft	Easting:	3,135,124.02 ft	Longitude:	-105.016340
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,957.0 ft

<b>Wellbore</b>	Hz				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	8/12/2013	8.69	66.77	52,766

Design	FINAL			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	90.00

<b>Survey Program</b>	<b>Date</b>	8/27/2013			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
143.0	11,427.0	Survey #1 (Hz)	Geolink MWD	Geolink MWD	

<b>Survey</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Vertical Section (ft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Formations / Comments</b>	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00		
143.0	0.75	285.38	143.0	0.2	-0.9	-0.9	0.52	0.52		
174.0	0.92	294.52	174.0	0.4	-1.3	-1.3	0.70	0.55		
205.0	1.05	303.31	205.0	0.7	-1.8	-1.8	0.64	0.42		
235.0	1.32	304.45	235.0	1.0	-2.3	-2.3	0.90	0.90		
327.0	1.93	302.87	326.9	2.5	-4.5	-4.5	0.66	0.66		
419.0	2.07	305.51	418.9	4.3	-7.1	-7.1	0.18	0.15		
511.0	3.00	303.90	510.8	6.6	-10.5	-10.5	1.01	1.01		
603.0	3.43	316.58	602.7	9.9	-14.4	-14.4	0.90	0.47		
695.0	3.96	318.25	694.5	14.3	-18.4	-18.4	0.59	0.58		
787.0	4.83	317.64	786.2	19.5	-23.1	-23.1	0.95	0.95		
904.0	5.30	310.30	902.7	26.6	-30.5	-30.5	0.68	0.40		
996.0	6.60	318.10	994.2	33.3	-37.3	-37.3	1.66	1.41		

# Cathedral Energy Services

## Survey Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Qualls 3D-28H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 4982.0ft (Ensign 278)
<b>Site:</b>	S28-T3N-R68W (Qualls)	<b>MD Reference:</b>	KB @ 4982.0ft (Ensign 278)
<b>Well:</b>	Qualls 3D-28H	<b>North Reference:</b>	True
<b>Wellbore:</b>	Hz	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL	<b>Database:</b>	USA EDM 5000 Multi Users DB

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
1,087.0	7.90	322.30	1,084.5	42.2	-44.6	-44.6	1.54	1.43	
1,179.0	8.00	320.30	1,175.6	52.1	-52.6	-52.6	0.32	0.11	
1,271.0	9.50	319.40	1,266.6	62.8	-61.6	-61.6	1.64	1.63	
1,363.0	9.50	323.30	1,357.3	74.6	-71.1	-71.1	0.70	0.00	
1,455.0	9.10	328.50	1,448.1	86.9	-79.4	-79.4	1.01	-0.43	
1,549.0	9.00	331.30	1,540.9	99.7	-86.9	-86.9	0.48	-0.11	
1,644.0	9.20	334.20	1,634.7	113.1	-93.7	-93.7	0.53	0.21	
1,738.0	10.30	333.80	1,727.4	127.4	-100.7	-100.7	1.17	1.17	
1,833.0	10.50	333.50	1,820.8	142.7	-108.3	-108.3	0.22	0.21	
1,928.0	10.10	335.80	1,914.3	158.1	-115.6	-115.6	0.60	-0.42	
2,022.0	8.30	332.30	2,007.1	171.6	-122.1	-122.1	2.00	-1.91	
2,117.0	8.70	329.40	2,101.0	183.9	-129.0	-129.0	0.62	0.42	
2,212.0	8.40	329.50	2,195.0	196.0	-136.2	-136.2	0.32	-0.32	
2,306.0	8.70	335.30	2,287.9	208.4	-142.6	-142.6	0.97	0.32	
2,401.0	9.50	338.40	2,381.7	222.2	-148.5	-148.5	0.99	0.84	
2,496.0	10.00	333.20	2,475.3	236.9	-155.1	-155.1	1.07	0.53	
2,590.0	9.90	332.30	2,567.9	251.3	-162.5	-162.5	0.20	-0.11	
2,685.0	9.50	333.20	2,661.6	265.5	-169.9	-169.9	0.45	-0.42	
2,780.0	8.50	333.90	2,755.4	278.8	-176.5	-176.5	1.06	-1.05	
2,874.0	8.80	326.30	2,848.3	291.1	-183.5	-183.5	1.26	0.32	
2,969.0	7.90	323.40	2,942.3	302.4	-191.5	-191.5	1.05	-0.95	
3,063.0	6.80	319.70	3,035.6	311.8	-198.9	-198.9	1.27	-1.17	
3,158.0	5.50	318.10	3,130.0	319.5	-205.6	-205.6	1.38	-1.37	
3,253.0	4.80	298.30	3,224.6	324.7	-212.1	-212.1	2.00	-0.74	
3,347.0	5.40	285.30	3,318.3	327.8	-219.9	-219.9	1.38	0.64	
3,442.0	5.70	292.30	3,412.8	330.7	-228.5	-228.5	0.78	0.32	
3,536.0	6.80	295.70	3,506.3	334.9	-237.9	-237.9	1.23	1.17	
3,631.0	6.20	308.20	3,600.7	340.5	-247.0	-247.0	1.61	-0.63	
3,726.0	4.80	313.10	3,695.2	346.4	-253.9	-253.9	1.55	-1.47	
3,820.0	3.70	309.40	3,789.0	351.0	-259.1	-259.1	1.21	-1.17	
3,915.0	2.90	337.30	3,883.8	355.2	-262.4	-262.4	1.86	-0.84	
4,010.0	2.10	357.20	3,978.7	359.2	-263.4	-263.4	1.23	-0.84	
4,104.0	2.00	40.30	4,072.7	362.1	-262.5	-262.5	1.60	-0.11	
4,199.0	2.10	64.90	4,167.6	364.1	-259.8	-259.8	0.92	0.11	
4,294.0	1.80	52.70	4,262.5	365.8	-257.0	-257.0	0.54	-0.32	
4,388.0	1.70	37.50	4,356.5	367.8	-255.0	-255.0	0.50	-0.11	
4,483.0	1.80	44.20	4,451.5	370.0	-253.1	-253.1	0.24	0.11	
4,577.0	2.40	87.70	4,545.4	371.1	-250.1	-250.1	1.76	0.64	
4,672.0	1.70	87.70	4,640.3	371.2	-246.7	-246.7	0.74	-0.74	
4,767.0	1.00	97.60	4,735.3	371.2	-244.5	-244.5	0.77	-0.74	
4,861.0	0.40	46.10	4,829.3	371.3	-243.5	-243.5	0.87	-0.64	
4,956.0	0.60	302.70	4,924.3	371.8	-243.6	-243.6	0.84	0.21	
5,051.0	1.10	298.70	5,019.3	372.5	-244.8	-244.8	0.53	0.53	
5,145.0	0.70	204.50	5,113.3	372.4	-245.9	-245.9	1.43	-0.43	
5,240.0	2.00	158.70	5,208.3	370.3	-245.5	-245.5	1.68	1.37	
5,334.0	1.50	181.90	5,302.2	367.6	-245.0	-245.0	0.91	-0.53	
5,429.0	1.30	184.30	5,397.2	365.3	-245.1	-245.1	0.22	-0.21	
5,524.0	1.00	231.20	5,492.2	363.7	-245.8	-245.8	1.01	-0.32	
5,618.0	0.40	55.50	5,586.2	363.3	-246.2	-246.2	1.49	-0.64	
5,713.0	0.50	342.80	5,681.2	363.9	-246.0	-246.0	0.57	0.11	
5,807.0	0.50	328.60	5,775.2	364.7	-246.4	-246.4	0.13	0.00	
5,902.0	0.80	284.50	5,870.2	365.2	-247.2	-247.2	0.59	0.32	
5,996.0	1.40	11.80	5,964.1	366.5	-247.6	-247.6	1.68	0.64	

# Cathedral Energy Services

## Survey Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Qualls 3D-28H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 4982.0ft (Ensign 278)
<b>Site:</b>	S28-T3N-R68W (Qualls)	<b>MD Reference:</b>	KB @ 4982.0ft (Ensign 278)
<b>Well:</b>	Qualls 3D-28H	<b>North Reference:</b>	True
<b>Wellbore:</b>	Hz	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL	<b>Database:</b>	USA EDM 5000 Multi Users DB

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
6,091.0	0.80	0.50	6,059.1	368.3	-247.4	-247.4	0.67	-0.63	
6,186.0	1.00	332.40	6,154.1	369.7	-247.8	-247.8	0.50	0.21	
6,217.0	1.10	330.60	6,185.1	370.2	-248.0	-248.0	0.34	0.32	
6,249.0	0.70	10.20	6,217.1	370.6	-248.1	-248.1	2.24	-1.25	
6,280.0	3.60	83.70	6,248.1	370.9	-247.1	-247.1	11.18	9.35	
6,312.0	8.00	89.40	6,279.9	371.1	-243.9	-243.9	13.85	13.75	
6,343.0	11.50	93.30	6,310.5	370.9	-238.7	-238.7	11.48	11.29	
6,375.0	13.80	93.10	6,341.7	370.5	-231.7	-231.7	7.19	7.19	
6,406.0	16.60	92.20	6,371.6	370.2	-223.6	-223.6	9.06	9.03	
6,438.0	19.30	92.10	6,402.0	369.8	-213.7	-213.7	8.43	8.43	
6,469.0	21.10	93.00	6,431.1	369.3	-203.0	-203.0	5.89	5.81	
6,501.0	23.10	92.60	6,460.8	368.7	-191.0	-191.0	6.27	6.25	
6,533.0	25.60	91.60	6,489.9	368.2	-177.8	-177.8	7.92	7.81	
6,564.0	27.90	91.50	6,517.6	367.9	-163.9	-163.9	7.42	7.42	
6,596.0	30.20	91.50	6,545.6	367.5	-148.3	-148.3	7.19	7.19	
6,627.0	32.40	92.00	6,572.1	367.0	-132.2	-132.2	7.15	7.10	
6,659.0	34.80	92.50	6,598.7	366.3	-114.5	-114.5	7.55	7.50	
6,690.0	37.20	93.10	6,623.8	365.4	-96.3	-96.3	7.82	7.74	
6,722.0	39.70	92.50	6,648.9	364.4	-76.5	-76.5	7.90	7.81	
6,753.0	42.30	91.80	6,672.3	363.6	-56.1	-56.1	8.52	8.39	
6,785.0	44.90	91.30	6,695.4	363.0	-34.1	-34.1	8.20	8.12	
6,816.0	47.40	91.60	6,716.9	362.5	-11.7	-11.7	8.09	8.06	
6,848.0	49.80	90.50	6,738.1	362.0	12.3	12.3	7.93	7.50	
6,879.0	51.90	89.50	6,757.6	362.0	36.3	36.3	7.22	6.77	
6,911.0	54.00	88.20	6,776.9	362.6	61.8	61.8	7.32	6.56	
6,942.0	56.10	87.70	6,794.7	363.5	87.2	87.2	6.90	6.77	
6,974.0	58.20	88.00	6,812.0	364.5	114.1	114.1	6.61	6.56	
7,007.0	60.00	88.90	6,829.0	365.2	142.4	142.4	5.94	5.45	
7,078.0	60.50	90.20	6,864.2	365.7	204.0	204.0	1.74	0.70	
7,110.0	62.50	90.00	6,879.5	365.7	232.1	232.1	6.27	6.25	
7,141.0	65.50	90.40	6,893.1	365.6	260.0	260.0	9.75	9.68	
7,173.0	68.40	90.90	6,905.6	365.2	289.4	289.4	9.18	9.06	
7,204.0	71.40	90.30	6,916.2	364.9	318.5	318.5	9.85	9.68	
7,236.0	73.40	90.20	6,925.9	364.8	349.0	349.0	6.26	6.25	
7,267.0	75.80	90.10	6,934.1	364.7	378.9	378.9	7.75	7.74	
7,299.0	78.30	89.90	6,941.3	364.7	410.1	410.1	7.84	7.81	
7,330.0	80.70	89.60	6,947.0	364.9	440.6	440.6	7.80	7.74	
7,362.0	83.50	89.00	6,951.4	365.3	472.3	472.3	8.94	8.75	
7,393.0	85.80	89.40	6,954.3	365.7	503.2	503.2	7.53	7.42	
7,425.0	88.20	89.10	6,955.9	366.1	535.1	535.1	7.56	7.50	
7,520.0	90.40	90.10	6,957.1	366.8	630.1	630.1	2.54	2.32	
7,614.0	90.40	89.10	6,956.4	367.4	724.1	724.1	1.06	0.00	
7,709.0	89.60	89.30	6,956.4	368.7	819.1	819.1	0.87	-0.84	
7,804.0	88.50	90.90	6,958.0	368.6	914.1	914.1	2.04	-1.16	
7,898.0	88.10	92.50	6,960.8	365.8	1,008.0	1,008.0	1.75	-0.43	
7,993.0	86.90	91.30	6,964.9	362.6	1,102.8	1,102.8	1.79	-1.26	
8,088.0	87.40	88.70	6,969.7	362.6	1,197.7	1,197.7	2.78	0.53	
8,182.0	87.40	89.50	6,973.9	364.1	1,291.6	1,291.6	0.85	0.00	
8,277.0	86.60	89.20	6,978.9	365.2	1,386.5	1,386.5	0.90	-0.84	
8,371.0	86.20	88.50	6,984.8	367.1	1,480.3	1,480.3	0.86	-0.43	
8,466.0	86.00	89.00	6,991.3	369.1	1,575.0	1,575.0	0.57	-0.21	
8,561.0	88.10	90.10	6,996.2	369.9	1,669.9	1,669.9	2.49	2.21	
8,655.0	89.30	90.50	6,998.3	369.4	1,763.8	1,763.8	1.35	1.28	

# Cathedral Energy Services

## Survey Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Qualls 3D-28H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 4982.0ft (Ensign 278)
<b>Site:</b>	S28-T3N-R68W (Qualls)	<b>MD Reference:</b>	KB @ 4982.0ft (Ensign 278)
<b>Well:</b>	Qualls 3D-28H	<b>North Reference:</b>	True
<b>Wellbore:</b>	Hz	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL	<b>Database:</b>	USA EDM 5000 Multi Users DB

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
8,750.0	88.60	91.40	7,000.0	367.8	1,858.8	1,858.8	1.20	-0.74	
8,845.0	88.80	92.10	7,002.2	364.9	1,953.7	1,953.7	0.77	0.21	
8,939.0	88.20	91.80	7,004.6	361.7	2,047.7	2,047.7	0.71	-0.64	
9,034.0	86.40	91.50	7,009.1	359.0	2,142.5	2,142.5	1.92	-1.90	
9,129.0	86.50	91.70	7,015.0	356.3	2,237.3	2,237.3	0.24	0.11	
9,223.0	86.70	92.60	7,020.6	352.8	2,331.0	2,331.0	0.98	0.21	
9,318.0	86.60	92.20	7,026.1	348.9	2,425.8	2,425.8	0.43	-0.11	
9,413.0	86.90	91.40	7,031.5	345.9	2,520.6	2,520.6	0.90	0.32	
9,507.0	88.60	92.70	7,035.2	342.5	2,614.5	2,614.5	2.28	1.81	
9,602.0	87.50	91.20	7,038.4	339.3	2,709.3	2,709.3	1.96	-1.16	
9,697.0	88.60	89.80	7,041.7	338.5	2,804.3	2,804.3	1.87	1.16	
9,791.0	86.00	89.50	7,046.1	339.0	2,898.2	2,898.2	2.78	-2.77	
9,886.0	87.70	90.20	7,051.3	339.3	2,993.0	2,993.0	1.93	1.79	
9,981.0	87.20	87.60	7,055.5	341.1	3,087.9	3,087.9	2.78	-0.53	
10,075.0	87.40	86.80	7,060.0	345.7	3,181.7	3,181.7	0.88	0.21	
10,170.0	87.00	83.80	7,064.6	353.5	3,276.2	3,276.2	3.18	-0.42	
10,264.0	88.00	84.10	7,068.7	363.4	3,369.6	3,369.6	1.11	1.06	
10,359.0	88.90	84.50	7,071.3	372.8	3,464.1	3,464.1	1.04	0.95	
10,454.0	90.80	87.40	7,071.5	379.5	3,558.9	3,558.9	3.65	2.00	
10,548.0	91.80	89.60	7,069.4	382.0	3,652.8	3,652.8	2.57	1.06	
10,643.0	92.60	91.10	7,065.7	381.4	3,747.7	3,747.7	1.79	0.84	
10,737.0	93.30	91.10	7,060.9	379.6	3,841.6	3,841.6	0.74	0.74	
10,832.0	90.40	91.50	7,057.8	377.4	3,936.5	3,936.5	3.08	-3.05	
10,927.0	90.40	92.10	7,057.2	374.4	4,031.5	4,031.5	0.63	0.00	
11,021.0	86.90	92.30	7,059.4	370.8	4,125.4	4,125.4	3.73	-3.72	
11,116.0	88.50	93.50	7,063.2	366.0	4,220.2	4,220.2	2.10	1.68	
11,210.0	90.70	94.50	7,063.9	359.5	4,313.9	4,313.9	2.57	2.34	
11,305.0	89.50	94.20	7,063.7	352.3	4,408.6	4,408.6	1.30	-1.26	
11,373.0	90.30	94.10	7,063.8	347.3	4,476.4	4,476.4	1.19	1.18	Last Cathedral Survey @ 11,373' MD Projection to Bit @ 11,427'
11,427.0	90.30	94.10	7,063.5	343.5	4,530.3	4,530.3	0.00	0.00	

# Cathedral Energy Services

## Survey Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Qualls 3D-28H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 4982.0ft (Ensign 278)
<b>Site:</b>	S28-T3N-R68W (Qualls)	<b>MD Reference:</b>	KB @ 4982.0ft (Ensign 278)
<b>Well:</b>	Qualls 3D-28H	<b>North Reference:</b>	True
<b>Wellbore:</b>	Hz	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	FINAL	<b>Database:</b>	USA EDM 5000 Multi Users DB

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
Qualls 3D-28H PBHL	0.00	0.00	6,834.0	361.1	4,562.0	1,313,395.89	3,139,683.98	40.192580	-105.000010
- actual wellpath misses target center by 232.4ft at 11427.0ft MD (7063.5 TVD, 343.5 N, 4530.3 E)									
- Point									
Qualls 3D-28H PBHL P3	0.00	0.00	7,066.0	361.1	4,562.0	1,313,395.89	3,139,683.98	40.192580	-105.000010
- actual wellpath misses target center by 36.3ft at 11427.0ft MD (7063.5 TVD, 343.5 N, 4530.3 E)									
- Point									
Qualls 3D-28H PBHL P4	0.00	0.00	7,065.0	361.1	4,562.0	1,313,395.89	3,139,683.98	40.192580	-105.000010
- actual wellpath misses target center by 36.3ft at 11427.0ft MD (7063.5 TVD, 343.5 N, 4530.3 E)									
- Point									
Qualls 3D-28H PBHL TC	0.00	0.00	7,059.0	361.0	3,212.0	1,313,388.44	3,138,334.00	40.192580	-105.004842
- actual wellpath misses target center by 13.5ft at 10106.4ft MD (7061.4 TVD, 347.7 N, 3213.0 E)									
- Point									

Design Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	Comment	
11,373.0	7,063.8	347.3	4,476.4	Last Cathedral Survey @ 11,373' MD	
11,427.0	7,063.5	343.5	4,530.3	Projection to Bit @ 11,427'	

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_