

District I
1625 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First Street, Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Drive
Santa Fe, NM 87505

☐ AMENDED REPORT

☒ AS-DRILLED

RCVD AUG 8 '12
OIL CONS. DIV.
DIST. 3

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35361		*Pool Code 5860		*Pool Name SOUTH BISTI - GALLUP (O)	
*Property Code 39127		*Property Name GOOD TIMES I32-2410		*Well Number 01H	
*OGRID No. 282327		*Operator Name ENCANA OIL & GAS (USA) INC.		*Elevation 6620'	

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	32	24N	10W		2215	SOUTH	300	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	32	24N	10W		2176	SOUTH	352	WEST	SAN JUAN

¹² Dedicated Acres 320.0 Acres - (S/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

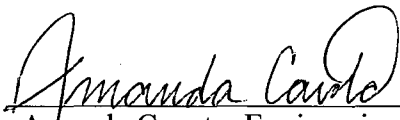
¹⁶ 589°50'49"W 2633.58' (MEASURED) 589°48'W 2633.07' (RECORD)		589°52'48"W 2632.27' (MEASURED) 589°48'W 2633.07' (RECORD)		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Amanda Cavoto</i> 08/07/12 Signature Date Amanda Cavoto, Engineering Technologist Printed Name amanda.cavoto@encana.com E-mail Address	
NO '03'W 2625.81' (RECORD) NO '02'08'E 2626.10' (MEASURED)		Gallup Penetration Point 2172' FSL 511' FEL Start of Completed Interval 2207' FSL 784' FEL END OF LATERAL LAT: 36.26868°N LONG: 107.92634°W DATUM: NAD1927 LAT: 36.26869°N LONG: 107.92696°W DATUM: NAD1983		SURFACE LOCATION LAT: 36.26889°N LONG: 107.91072°W DATUM: NAD1927 LAT: 36.26890°N LONG: 107.91134°W DATUM: NAD1983	
NO '03'W 2625.81' (RECORD) NO '01'08'E 2626.89' (MEASURED)		32 589°06.6'W 4604.0'		NO '09'W 2614.92' (RECORD) NO '13'44'E 2614.30' (MEASURED)	
2176'		DUGAN MARY LOU #5 WELLHEAD DUGAN MARY LOU #90 WELLHEAD DUGAN MARY LOU #90 WELLHEAD DUGAN MARY LOU #6 WELLHEAD		300'	
NO '03'W 2625.81' (RECORD) NO '01'08'E 2626.89' (MEASURED)		DUGAN MARY LOU #3 WELLHEAD DUGAN MARY LOU #90S WELLHEAD DUGAN MARY LOU #4 WELLHEAD ENCANA GOOD TIMES P32-2410 01H WELLHEAD		NO '15'11'E 2615.22' (MEASURED) NO '09'W 2614.92' (RECORD)	
N89°33'E 2622.84' (RECORD) N89°37'56"E 2624.28' (MEASURED)		N89°33'E 2622.84' (RECORD) N89°34'49"E 2622.18' (MEASURED)		JASON C. EDWARDS REGISTERED PROFESSIONAL SURVEYOR 15269 JASON C. EDWARDS Certificate Number 15269	

DEVIATION SURVEYS

MD (Feet)	Inclination (Degree)
250	0.5
450	0.5
730	1
1230	1
1700	1.25
2217	2.25
2508	2
2730	3
2887	2
3141	2
3392	2

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.



Amanda Cavoto, Engineering Technologist

08/07/12

ACKNOWLEDGMENT

State of Colorado
City and County of Denver

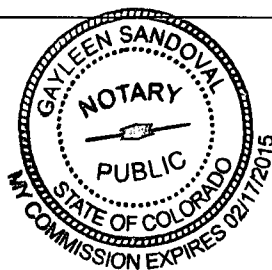
This instrument was acknowledged before me on this 7th day of August, 2012 by Amanda Cavoto as Attorney in Fact of Encana Oil & Gas (USA) Inc., on behalf of said corporation.

In witness whereof, I hereunto set my hand and official seal.

Notary Public:

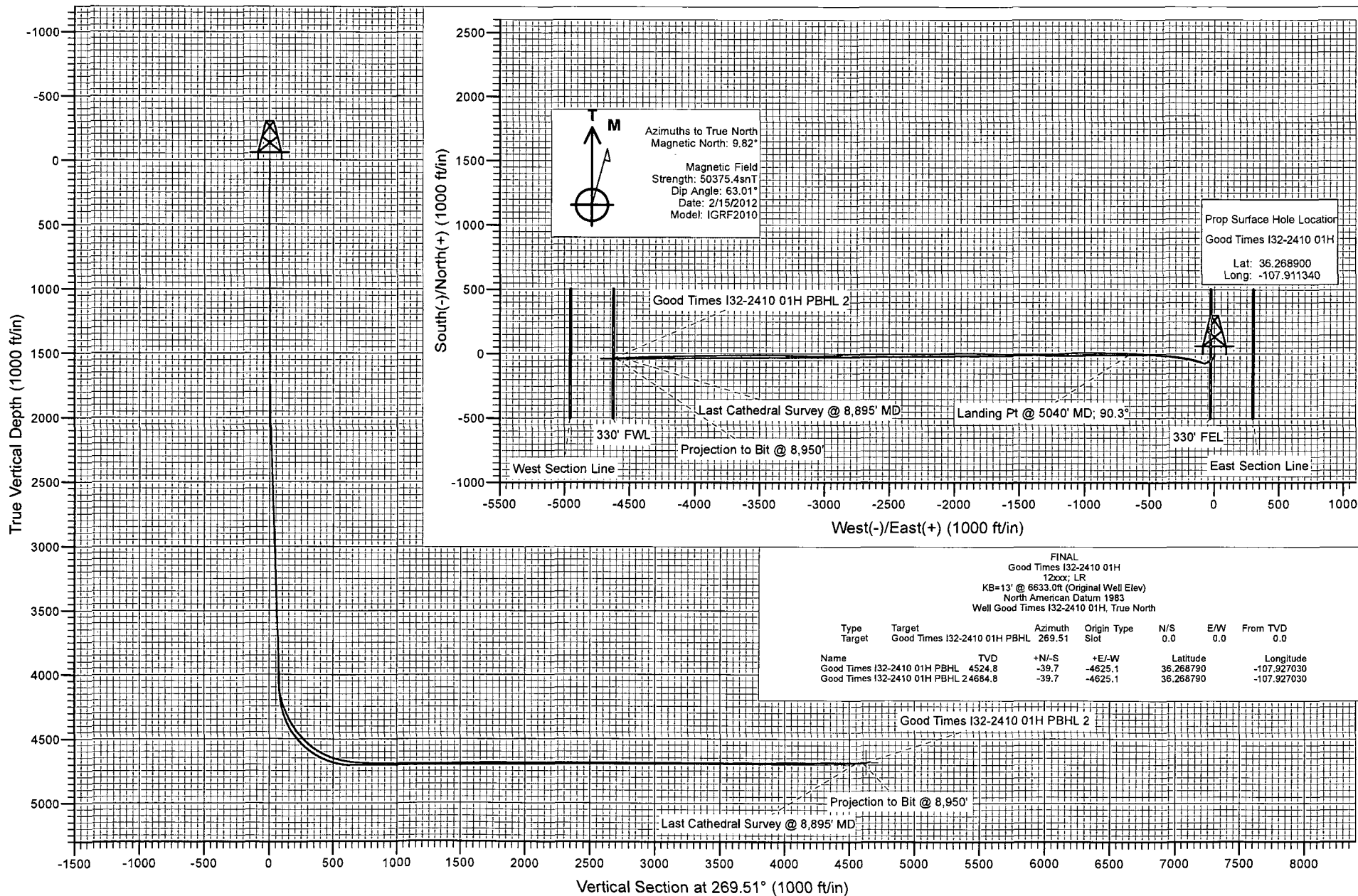


My Commission Expires: _____



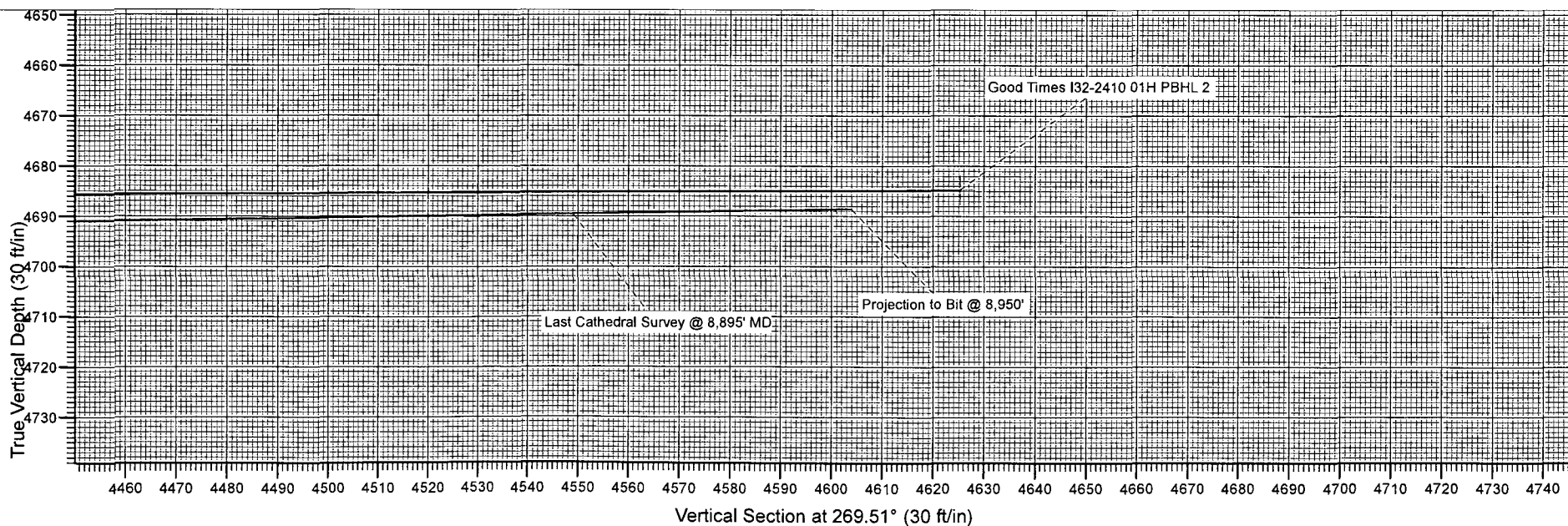
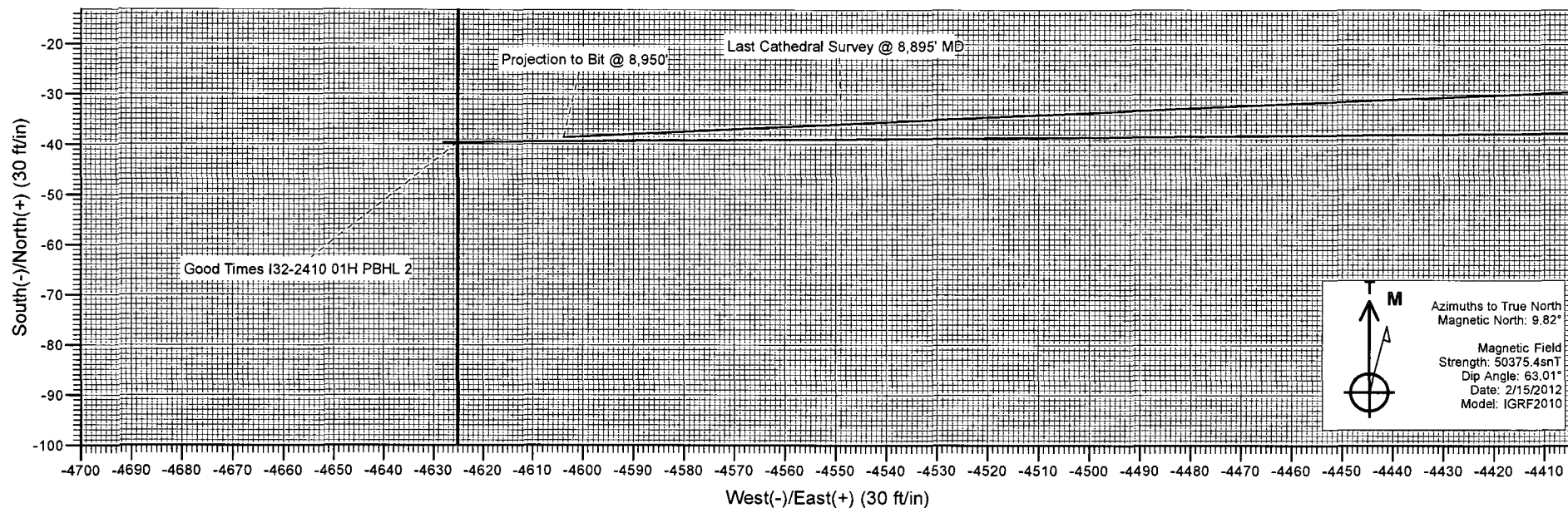


Project: San Juan Co, NM
 Site: S32-T24N-R10W (Good Times)
 Well: Good Times I32-2410 01H
 Wellbore: Hz
 Design: FINAL





Project: San Juan Co, NM
Site: S32-T24N-R10W (Good Times)
Well: Good Times I32-2410 01H
Wellbore: Hz
Design: FINAL



Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times I32-2410 01H
Project:	San Juan Co, NM	TVD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
Site:	S32-T24N-R10W (Good Times)	MD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
Well:	Good Times I32-2410 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Project	San Juan Co, NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site		S32-T24N-R10W (Good Times)			
Site Position:		Northing:	1,917,191.65 ft	Latitude:	36.268900
From:	Lat/Long	Easting:	2,700,102.26 ft	Longitude:	-107.911340
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-0.05 °

Well	Good Times I32-2410 01H					
Well Position	+N/-S	0.0 ft	Northing:	1,917,191.65 ft	Latitude:	36.268900
	+E/-W	0.0 ft	Easting:	2,700,102.26 ft	Longitude:	-107.911340
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,620.0 ft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/15/2012	9.82	63.01	50,375

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	269.51

Survey Program	Date	8/6/2012			
From	To	Survey (Wellbore)	Tool Name	Description	
(ft)	(ft)				
109.7	3,892.3	Gyro (Hz)	Gyro	Gyro	
4,028.0	8,950.0	Survey #2 (Hz)	MWD	Geolink MWD	

Survey									
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Formations /
Depth	(°)	(°)	Depth	(ft)	(ft)	Section	Rate	Rate	Comments
(ft)			(ft)			(ft)	(°/100ft)	(°/100ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
109.7	0.24	249.85	109.7	-0.1	-0.2	0.2	0.22	0.22	
119.7	0.40	250.17	119.7	-0.1	-0.3	0.3	1.60	1.60	
128.8	0.30	247.95	128.8	-0.1	-0.3	0.3	1.10	-1.09	
139.4	0.20	224.62	139.4	-0.1	-0.4	0.4	1.33	-0.95	
149.8	0.17	206.38	149.8	-0.2	-0.4	0.4	0.63	-0.29	
159.8	0.12	190.98	159.8	-0.2	-0.4	0.4	0.63	-0.50	
169.6	0.07	152.35	169.6	-0.2	-0.4	0.4	0.80	-0.51	
178.9	0.08	180.23	178.9	-0.2	-0.4	0.4	0.40	0.11	
188.7	0.11	185.11	188.7	-0.2	-0.4	0.4	0.31	0.30	
200.0	0.15	194.95	200.0	-0.3	-0.4	0.4	0.41	0.36	
209.2	0.17	181.61	209.2	-0.3	-0.4	0.4	0.46	0.22	

Cathedral Energy Services

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Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times I32-2410 01H
Project:	San Juan Co, NM	TVD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
Site:	S32-T24N-R10W (Good Times)	MD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
Well:	Good Times I32-2410 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	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
219.0	0.20	182.12	219.0	-0.3	-0.4	0.4	0.30	0.30	
229.0	0.20	162.95	229.0	-0.4	-0.4	0.4	0.67	0.00	
238.8	0.18	167.65	238.8	-0.4	-0.4	0.4	0.26	-0.20	
248.0	0.19	158.50	248.0	-0.4	-0.4	0.4	0.34	0.11	
259.3	0.19	178.28	259.3	-0.4	-0.4	0.4	0.58	0.00	
269.2	0.17	161.66	269.2	-0.5	-0.4	0.4	0.56	-0.20	
279.1	0.17	163.59	279.1	-0.5	-0.4	0.4	0.06	0.00	
288.3	0.15	153.96	288.3	-0.5	-0.3	0.3	0.36	-0.22	
298.8	0.16	174.05	298.8	-0.6	-0.3	0.3	0.52	0.10	
309.4	0.28	173.57	309.4	-0.6	-0.3	0.3	1.13	1.13	
319.3	0.36	163.13	319.3	-0.7	-0.3	0.3	1.00	0.81	
329.1	0.35	168.68	329.1	-0.7	-0.3	0.3	0.36	-0.10	
339.5	0.35	163.55	339.5	-0.8	-0.3	0.3	0.30	0.00	
349.5	0.33	164.98	349.5	-0.8	-0.3	0.3	0.22	-0.20	
359.4	0.35	175.10	359.4	-0.9	-0.3	0.3	0.64	0.20	
369.9	0.39	179.63	369.9	-1.0	-0.3	0.3	0.47	0.38	
378.3	0.44	187.66	378.3	-1.0	-0.3	0.3	0.91	0.60	
389.6	0.42	179.48	389.6	-1.1	-0.3	0.3	0.57	-0.18	
398.8	0.42	167.16	398.8	-1.2	-0.3	0.3	0.98	0.00	
409.3	0.41	158.99	409.3	-1.2	-0.2	0.2	0.57	-0.10	
418.4	0.39	168.45	418.4	-1.3	-0.2	0.2	0.75	-0.22	
428.9	0.41	177.72	428.9	-1.4	-0.2	0.2	0.64	0.19	
439.5	0.40	170.77	439.5	-1.4	-0.2	0.2	0.47	-0.09	
449.4	0.39	171.47	449.4	-1.5	-0.2	0.2	0.11	-0.10	
459.2	0.43	173.00	459.2	-1.6	-0.2	0.2	0.42	0.41	
469.5	0.52	177.67	469.5	-1.7	-0.2	0.2	0.95	0.87	
479.5	0.55	174.47	479.5	-1.8	-0.2	0.2	0.42	0.30	
489.5	0.54	160.19	489.5	-1.9	-0.2	0.2	1.37	-0.10	
499.9	0.53	163.97	499.9	-1.9	-0.1	0.1	0.35	-0.10	
508.4	0.51	169.67	508.4	-2.0	-0.1	0.1	0.65	-0.24	
519.6	0.50	177.24	519.6	-2.1	-0.1	0.1	0.60	-0.09	
528.9	0.57	172.51	528.9	-2.2	-0.1	0.1	0.89	0.76	
540.0	0.61	177.10	540.0	-2.3	-0.1	0.1	0.56	0.36	
547.8	0.65	175.12	547.8	-2.4	-0.1	0.1	0.58	0.51	
558.9	0.71	171.49	558.9	-2.5	-0.1	0.1	0.66	0.54	
569.4	0.70	170.94	569.4	-2.7	0.0	0.1	0.12	-0.10	
579.1	0.65	170.07	579.1	-2.8	0.0	0.0	0.53	-0.52	
589.0	0.64	168.71	589.0	-2.9	0.0	0.0	0.18	-0.10	
598.8	0.64	173.73	598.8	-3.0	0.0	0.0	0.57	0.00	
609.3	0.67	175.78	609.3	-3.1	0.0	0.0	0.36	0.28	
619.1	0.73	183.51	619.1	-3.2	0.0	0.0	1.14	0.61	
629.6	0.74	174.78	629.6	-3.4	0.0	0.0	1.07	0.10	
638.1	0.77	175.03	638.1	-3.5	0.0	0.0	0.36	0.36	
649.2	0.79	174.14	649.1	-3.6	0.1	0.0	0.21	0.18	
659.7	0.73	168.43	659.7	-3.8	0.1	0.0	0.91	-0.57	
668.8	0.75	173.29	668.8	-3.9	0.1	-0.1	0.72	0.22	
679.9	0.75	169.20	679.9	-4.0	0.1	-0.1	0.48	0.00	
689.5	0.80	179.73	689.5	-4.2	0.1	-0.1	1.56	0.52	
698.7	0.79	171.83	698.7	-4.3	0.1	-0.1	1.20	-0.11	
709.8	0.84	175.84	709.7	-4.4	0.2	-0.1	0.69	0.45	
719.5	0.93	176.74	719.5	-4.6	0.2	-0.1	0.93	0.92	
729.7	0.99	176.75	729.6	-4.8	0.2	-0.1	0.59	0.59	
738.4	0.97	170.82	738.4	-4.9	0.2	-0.2	1.18	-0.23	

Cathedral Energy Services

Survey Report

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Well:	Good Times I32-2410 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	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
749.4	1.01	172.87	749.4	-5.1	0.2	-0.2	0.48	0.36	
759.9	1.11	177.94	759.9	-5.3	0.2	-0.2	1.31	0.96	
768.9	1.14	180.51	768.8	-5.5	0.2	-0.2	0.65	0.33	
779.7	1.24	184.34	779.6	-5.7	0.2	-0.2	1.18	0.93	
789.2	1.36	185.69	789.1	-5.9	0.2	-0.2	1.30	1.26	
799.5	1.47	188.42	799.4	-6.2	0.2	-0.1	1.25	1.07	
809.0	1.45	184.55	808.9	-6.4	0.2	-0.1	1.06	-0.21	
819.7	1.48	186.79	819.7	-6.7	0.1	-0.1	0.60	0.28	
830.0	1.51	188.91	829.9	-6.9	0.1	0.0	0.61	0.29	
839.5	1.50	188.74	839.5	-7.2	0.1	0.0	0.11	-0.10	
849.7	1.52	191.95	849.6	-7.4	0.0	0.1	0.86	0.20	
859.1	1.53	191.97	859.1	-7.7	-0.1	0.1	0.11	0.11	
869.4	1.59	192.65	869.4	-8.0	-0.1	0.2	0.61	0.58	
878.8	1.58	188.65	878.8	-8.2	-0.2	0.2	1.18	-0.11	
889.0	1.55	187.92	888.9	-8.5	-0.2	0.3	0.36	-0.30	
899.7	1.60	190.64	899.6	-8.8	-0.2	0.3	0.84	0.47	
908.7	1.56	190.89	908.6	-9.0	-0.3	0.4	0.45	-0.45	
919.6	1.53	191.61	919.5	-9.3	-0.3	0.4	0.33	-0.27	
929.1	1.55	192.06	929.0	-9.6	-0.4	0.5	0.25	0.21	
939.3	1.58	193.25	939.2	-9.8	-0.5	0.5	0.43	0.29	
948.8	1.58	189.99	948.7	-10.1	-0.5	0.6	0.94	0.00	
959.6	1.57	188.52	959.5	-10.4	-0.6	0.7	0.38	-0.09	
969.8	1.55	188.48	969.7	-10.7	-0.6	0.7	0.20	-0.20	
978.8	1.55	188.50	978.7	-10.9	-0.6	0.7	0.01	0.00	
989.6	1.52	189.04	989.5	-11.2	-0.7	0.8	0.31	-0.28	
999.1	1.46	189.64	999.0	-11.4	-0.7	0.8	0.65	-0.63	
1,009.1	1.46	190.95	1,009.0	-11.7	-0.8	0.9	0.34	0.00	
1,018.8	1.46	190.39	1,018.7	-11.9	-0.8	0.9	0.15	0.00	
1,029.6	1.46	189.32	1,029.5	-12.2	-0.9	1.0	0.25	0.00	
1,039.9	1.32	186.51	1,039.8	-12.4	-0.9	1.0	1.52	-1.36	
1,048.8	1.26	186.18	1,048.7	-12.6	-0.9	1.0	0.68	-0.68	
1,059.6	1.17	183.59	1,059.5	-12.9	-0.9	1.0	0.98	-0.83	
1,069.0	1.17	186.13	1,068.8	-13.1	-1.0	1.1	0.55	0.00	
1,079.2	1.17	190.09	1,079.1	-13.3	-1.0	1.1	0.79	0.00	
1,088.7	1.19	188.11	1,088.6	-13.5	-1.0	1.1	0.48	0.21	
1,099.5	1.23	186.23	1,099.4	-13.7	-1.0	1.2	0.52	0.37	
1,109.7	1.23	187.34	1,109.5	-13.9	-1.1	1.2	0.24	0.00	
1,119.8	1.19	184.98	1,119.6	-14.1	-1.1	1.2	0.63	-0.39	
1,129.3	1.18	187.00	1,129.1	-14.3	-1.1	1.2	0.45	-0.11	
1,138.8	1.13	187.85	1,138.7	-14.5	-1.1	1.3	0.55	-0.52	
1,149.0	1.16	188.33	1,148.8	-14.7	-1.2	1.3	0.31	0.30	
1,158.4	1.20	188.61	1,158.3	-14.9	-1.2	1.3	0.43	0.42	
1,169.0	1.22	190.69	1,168.9	-15.1	-1.2	1.4	0.46	0.19	
1,179.4	1.20	186.63	1,179.3	-15.3	-1.3	1.4	0.84	-0.19	
1,189.7	1.20	187.07	1,189.6	-15.5	-1.3	1.4	0.09	0.00	
1,199.4	1.19	189.69	1,199.3	-15.7	-1.3	1.5	0.57	-0.10	
1,209.6	1.10	187.42	1,209.5	-15.9	-1.4	1.5	0.99	-0.88	
1,218.9	1.12	191.03	1,218.8	-16.1	-1.4	1.5	0.78	0.21	
1,228.9	1.13	191.94	1,228.8	-16.3	-1.4	1.6	0.20	0.10	
1,238.9	1.17	190.96	1,238.7	-16.5	-1.5	1.6	0.45	0.40	
1,248.7	1.17	188.02	1,248.6	-16.7	-1.5	1.6	0.61	0.00	
1,259.4	1.08	188.84	1,259.3	-16.9	-1.5	1.7	0.85	-0.84	
1,270.0	1.10	190.61	1,269.8	-17.1	-1.6	1.7	0.37	0.19	

Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times I32-2410 01H
Project:	San Juan Co, NM	TVD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
Site:	S32-T24N-R10W (Good Times)	MD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
Well:	Good Times I32-2410 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	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
1,279.8	1.01	191.28	1,279.6	-17.3	-1.6	1.7	0.92	-0.91	
1,288.2	1.09	195.80	1,288.1	-17.4	-1.6	1.8	1.37	0.95	
1,299.6	1.12	195.52	1,299.4	-17.7	-1.7	1.8	0.27	0.26	
1,309.4	1.14	193.96	1,309.3	-17.8	-1.7	1.9	0.37	0.20	
1,319.3	1.16	194.62	1,319.1	-18.0	-1.8	1.9	0.24	0.20	
1,329.1	1.10	191.58	1,328.9	-18.2	-1.8	2.0	0.86	-0.61	
1,338.2	1.06	192.89	1,338.0	-18.4	-1.9	2.0	0.51	-0.44	
1,348.9	1.06	193.85	1,348.7	-18.6	-1.9	2.1	0.17	0.00	
1,358.7	1.12	195.35	1,358.5	-18.8	-2.0	2.1	0.68	0.61	
1,369.3	1.11	193.43	1,369.1	-19.0	-2.0	2.2	0.37	-0.09	
1,379.7	1.15	193.19	1,379.5	-19.2	-2.1	2.2	0.39	0.38	
1,389.5	1.16	191.94	1,389.4	-19.4	-2.1	2.3	0.27	0.10	
1,398.8	1.10	190.48	1,398.6	-19.5	-2.1	2.3	0.72	-0.65	
1,409.3	1.07	196.66	1,409.1	-19.7	-2.2	2.4	1.15	-0.29	
1,419.1	1.04	197.41	1,418.9	-19.9	-2.2	2.4	0.34	-0.31	
1,429.6	1.15	199.17	1,429.4	-20.1	-2.3	2.5	1.09	1.05	
1,438.8	1.17	198.69	1,438.6	-20.3	-2.4	2.5	0.24	0.22	
1,450.0	1.12	197.01	1,449.8	-20.5	-2.4	2.6	0.54	-0.45	
1,458.4	1.08	195.17	1,458.2	-20.6	-2.5	2.6	0.64	-0.48	
1,469.6	1.10	198.43	1,469.4	-20.8	-2.5	2.7	0.58	0.18	
1,479.3	1.11	201.61	1,479.1	-21.0	-2.6	2.8	0.64	0.10	
1,488.8	1.10	200.82	1,488.6	-21.2	-2.7	2.8	0.19	-0.10	
1,499.6	1.12	202.93	1,499.4	-21.4	-2.7	2.9	0.42	0.19	
1,509.3	1.13	200.93	1,509.1	-21.6	-2.8	3.0	0.42	0.10	
1,519.0	1.19	199.91	1,518.8	-21.7	-2.9	3.1	0.65	0.62	
1,528.7	1.16	199.84	1,528.5	-21.9	-2.9	3.1	0.31	-0.31	
1,539.7	1.10	199.93	1,539.5	-22.1	-3.0	3.2	0.55	-0.55	
1,549.2	1.10	199.23	1,549.0	-22.3	-3.1	3.3	0.14	0.00	
1,558.9	1.12	203.04	1,558.7	-22.5	-3.2	3.3	0.79	0.21	
1,570.0	1.13	202.93	1,569.8	-22.7	-3.2	3.4	0.09	0.09	
1,579.5	1.15	204.60	1,579.3	-22.9	-3.3	3.5	0.41	0.21	
1,589.2	1.18	206.71	1,589.0	-23.0	-3.4	3.6	0.54	0.31	
1,600.0	1.22	204.37	1,599.8	-23.2	-3.5	3.7	0.59	0.37	
1,609.7	1.23	205.01	1,609.5	-23.4	-3.6	3.8	0.17	0.10	
1,619.5	1.23	205.95	1,619.2	-23.6	-3.7	3.9	0.21	0.00	
1,628.4	1.17	202.71	1,628.1	-23.8	-3.7	4.0	1.02	-0.67	
1,638.7	1.15	203.91	1,638.5	-24.0	-3.8	4.0	0.31	-0.19	
1,649.7	1.15	208.51	1,649.5	-24.2	-3.9	4.1	0.84	0.00	
1,658.8	1.22	211.15	1,658.5	-24.3	-4.0	4.2	0.98	0.77	
1,669.1	1.30	212.76	1,668.8	-24.5	-4.1	4.4	0.85	0.78	
1,678.7	1.30	210.71	1,678.5	-24.7	-4.3	4.5	0.48	0.00	
1,689.1	1.30	208.08	1,688.9	-24.9	-4.4	4.6	0.57	0.00	
1,699.4	1.23	205.52	1,699.1	-25.1	-4.5	4.7	0.88	-0.68	
1,708.4	1.23	206.59	1,708.1	-25.3	-4.6	4.8	0.25	0.00	
1,719.4	1.21	206.54	1,719.1	-25.5	-4.7	4.9	0.18	-0.18	
1,729.7	1.19	207.52	1,729.4	-25.7	-4.8	5.0	0.28	-0.19	
1,739.3	1.22	209.59	1,739.0	-25.9	-4.9	5.1	0.55	0.31	
1,749.6	1.23	208.44	1,749.3	-26.1	-5.0	5.2	0.26	0.10	
1,760.0	1.26	210.41	1,759.7	-26.3	-5.1	5.3	0.50	0.29	
1,769.6	1.27	206.77	1,769.3	-26.5	-5.2	5.4	0.84	0.10	
1,779.8	1.27	206.35	1,779.6	-26.7	-5.3	5.5	0.09	0.00	
1,788.8	1.26	206.37	1,788.5	-26.8	-5.4	5.6	0.11	-0.11	
1,799.8	1.28	207.59	1,799.5	-27.0	-5.5	5.7	0.30	0.18	

Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times I32-2410 01H
Project:	San Juan Co, NM	TVD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
Site:	S32-T24N-R10W (Good Times)	MD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
Well:	Good Times I32-2410 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	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
1,810.0	1.31	210.46	1,809.7	-27.2	-5.6	5.8	0.70	0.30	
1,818.8	1.21	208.42	1,818.5	-27.4	-5.7	5.9	1.25	-1.14	
1,829.9	1.36	211.97	1,829.7	-27.6	-5.8	6.0	1.52	1.34	
1,838.8	1.50	212.52	1,838.5	-27.8	-5.9	6.2	1.58	1.57	
1,849.2	1.56	212.02	1,848.9	-28.1	-6.1	6.3	0.59	0.58	
1,858.8	1.52	210.36	1,858.5	-28.3	-6.2	6.5	0.62	-0.42	
1,868.8	1.50	210.43	1,868.5	-28.5	-6.3	6.6	0.20	-0.20	
1,879.3	1.52	212.83	1,879.0	-28.7	-6.5	6.7	0.63	0.19	
1,889.0	1.43	212.06	1,888.7	-28.9	-6.6	6.9	0.95	-0.93	
1,899.1	1.58	215.32	1,898.8	-29.2	-6.8	7.0	1.70	1.48	
1,909.4	1.58	215.24	1,909.1	-29.4	-6.9	7.2	0.02	0.00	
1,918.8	1.61	215.56	1,918.5	-29.6	-7.1	7.3	0.33	0.32	
1,929.3	1.69	215.41	1,929.0	-29.9	-7.3	7.5	0.76	0.76	
1,939.6	1.69	215.23	1,939.3	-30.1	-7.4	7.7	0.05	0.00	
1,949.2	1.68	215.64	1,948.9	-30.3	-7.6	7.9	0.16	-0.10	
1,959.5	1.74	213.08	1,959.1	-30.6	-7.8	8.0	0.95	0.59	
1,969.6	1.81	218.32	1,969.3	-30.8	-8.0	8.2	1.74	0.69	
1,979.3	1.76	216.75	1,978.9	-31.1	-8.1	8.4	0.72	-0.52	
1,989.5	1.81	218.92	1,989.2	-31.3	-8.3	8.6	0.82	0.49	
1,999.7	1.88	219.70	1,999.4	-31.6	-8.5	8.8	0.73	0.68	
2,010.0	1.89	217.72	2,009.6	-31.9	-8.8	9.0	0.64	0.10	
2,019.7	1.95	217.78	2,019.3	-32.1	-9.0	9.2	0.62	0.62	
2,029.9	1.92	218.19	2,029.5	-32.4	-9.2	9.4	0.32	-0.29	
2,039.4	1.84	217.13	2,039.0	-32.6	-9.4	9.6	0.92	-0.84	
2,049.4	1.76	216.16	2,049.0	-32.9	-9.5	9.8	0.86	-0.80	
2,059.1	1.88	219.59	2,058.7	-33.1	-9.7	10.0	1.67	1.24	
2,069.6	1.85	219.80	2,069.2	-33.4	-10.0	10.2	0.29	-0.29	
2,079.1	1.90	219.85	2,078.7	-33.6	-10.2	10.4	0.52	0.52	
2,088.7	1.98	221.02	2,088.3	-33.9	-10.4	10.7	0.93	0.83	
2,099.3	1.95	220.84	2,098.9	-34.1	-10.6	10.9	0.29	-0.28	
2,109.7	1.95	220.82	2,109.3	-34.4	-10.8	11.1	0.01	0.00	
2,119.9	1.93	222.29	2,119.5	-34.7	-11.1	11.4	0.53	-0.20	
2,129.6	1.89	223.09	2,129.2	-34.9	-11.3	11.6	0.50	-0.41	
2,139.4	1.95	225.25	2,139.0	-35.1	-11.5	11.8	0.96	0.61	
2,149.0	2.06	226.12	2,148.6	-35.4	-11.8	12.1	1.18	1.14	
2,160.0	2.08	226.25	2,159.6	-35.7	-12.0	12.3	0.19	0.18	
2,168.8	2.09	226.58	2,168.3	-35.9	-12.3	12.6	0.18	0.11	
2,178.2	2.15	227.35	2,177.8	-36.1	-12.5	12.8	0.71	0.64	
2,188.9	2.13	227.18	2,188.5	-36.4	-12.8	13.1	0.20	-0.19	
2,199.1	2.17	228.32	2,198.7	-36.6	-13.1	13.4	0.57	0.39	
2,209.3	2.16	228.26	2,208.8	-36.9	-13.4	13.7	0.10	-0.10	
2,220.0	2.14	228.34	2,219.5	-37.2	-13.7	14.0	0.19	-0.19	
2,229.4	2.23	230.20	2,228.9	-37.4	-14.0	14.3	1.22	0.96	
2,239.6	2.19	231.23	2,239.1	-37.6	-14.3	14.6	0.55	-0.39	
2,249.7	2.16	230.80	2,249.1	-37.9	-14.6	14.9	0.34	-0.30	
2,258.4	2.20	231.58	2,257.9	-38.1	-14.8	15.1	0.57	0.46	
2,269.9	2.25	234.07	2,269.4	-38.4	-15.2	15.5	0.94	0.43	
2,278.8	2.27	233.14	2,278.3	-38.6	-15.5	15.8	0.47	0.22	
2,289.5	2.27	232.28	2,289.0	-38.8	-15.8	16.1	0.32	0.00	
2,299.1	2.31	232.54	2,298.6	-39.1	-16.1	16.4	0.43	0.42	
2,309.2	2.30	231.71	2,308.6	-39.3	-16.4	16.8	0.35	-0.10	
2,319.4	2.35	231.67	2,318.9	-39.6	-16.7	17.1	0.49	0.49	
2,328.3	2.38	231.49	2,327.7	-39.8	-17.0	17.4	0.35	0.34	

Cathedral Energy Services

Survey Report

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Project:	San Juan Co, NM	TVD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
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Well:	Good Times I32-2410 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	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
2,339.7	2.31	230.74	2,339.1	-40.1	-17.4	17.7	0.67	-0.61	
2,349.9	2.30	230.03	2,349.3	-40.4	-17.7	18.1	0.30	-0.10	
2,359.4	2.34	230.52	2,358.8	-40.6	-18.0	18.4	0.47	0.42	
2,368.9	2.31	231.36	2,368.3	-40.8	-18.3	18.7	0.47	-0.31	
2,379.1	2.29	232.46	2,378.4	-41.1	-18.6	19.0	0.48	-0.20	
2,389.2	2.39	233.31	2,388.6	-41.3	-19.0	19.3	1.04	0.99	
2,400.0	2.36	232.89	2,399.3	-41.6	-19.3	19.7	0.32	-0.28	
2,409.2	2.41	232.61	2,408.6	-41.8	-19.6	20.0	0.55	0.54	
2,419.6	2.45	232.40	2,418.9	-42.1	-20.0	20.3	0.40	0.39	
2,429.0	2.43	231.88	2,428.4	-42.4	-20.3	20.6	0.32	-0.21	
2,439.8	2.45	231.16	2,439.1	-42.6	-20.6	21.0	0.34	0.19	
2,450.0	2.39	230.78	2,449.3	-42.9	-21.0	21.3	0.61	-0.59	
2,459.9	2.42	230.83	2,459.2	-43.2	-21.3	21.7	0.30	0.30	
2,469.6	2.47	231.88	2,468.9	-43.4	-21.6	22.0	0.69	0.52	
2,479.0	2.38	231.18	2,478.3	-43.7	-21.9	22.3	1.00	-0.95	
2,489.1	2.44	231.48	2,488.4	-44.0	-22.3	22.6	0.61	0.59	
2,498.6	2.49	232.26	2,497.8	-44.2	-22.6	23.0	0.64	0.53	
2,509.3	2.51	231.75	2,508.5	-44.5	-23.0	23.3	0.28	0.19	
2,519.4	2.55	232.45	2,518.6	-44.8	-23.3	23.7	0.50	0.40	
2,529.6	2.56	233.89	2,528.8	-45.0	-23.7	24.1	0.64	0.10	
2,538.9	2.58	233.10	2,538.1	-45.3	-24.0	24.4	0.44	0.21	
2,549.7	2.65	232.50	2,549.0	-45.6	-24.4	24.8	0.69	0.65	
2,559.8	2.61	231.91	2,559.0	-45.9	-24.8	25.2	0.48	-0.40	
2,569.9	2.64	231.97	2,569.1	-46.2	-25.1	25.5	0.30	0.30	
2,578.7	2.61	232.29	2,577.9	-46.4	-25.4	25.8	0.38	-0.34	
2,588.8	2.59	231.16	2,588.0	-46.7	-25.8	26.2	0.55	-0.20	
2,598.9	2.61	230.85	2,598.1	-47.0	-26.2	26.6	0.24	0.20	
2,609.6	2.63	232.18	2,608.8	-47.3	-26.5	27.0	0.60	0.19	
2,619.0	2.65	232.96	2,618.1	-47.5	-26.9	27.3	0.44	0.21	
2,628.7	2.72	233.17	2,627.8	-47.8	-27.3	27.7	0.73	0.72	
2,639.4	2.74	233.34	2,638.5	-48.1	-27.7	28.1	0.20	0.19	
2,648.2	2.72	233.26	2,647.4	-48.4	-28.0	28.4	0.23	-0.23	
2,659.6	2.74	232.62	2,658.8	-48.7	-28.4	28.9	0.32	0.18	
2,669.6	2.71	232.23	2,668.7	-49.0	-28.8	29.2	0.35	-0.30	
2,679.2	2.75	232.62	2,678.3	-49.3	-29.2	29.6	0.46	0.42	
2,690.0	2.72	232.00	2,689.0	-49.6	-29.6	30.0	0.39	-0.28	
2,698.9	2.64	230.78	2,698.0	-49.8	-29.9	30.3	1.10	-0.89	
2,709.0	2.66	232.22	2,708.0	-50.1	-30.3	30.7	0.69	0.20	
2,719.7	2.68	233.38	2,718.8	-50.4	-30.7	31.1	0.54	0.19	
2,729.2	2.61	233.30	2,728.2	-50.7	-31.0	31.5	0.74	-0.74	
2,739.3	2.54	232.72	2,738.3	-51.0	-31.4	31.8	0.74	-0.69	
2,748.5	2.51	234.31	2,747.6	-51.2	-31.7	32.1	0.82	-0.32	
2,759.4	2.56	233.54	2,758.4	-51.5	-32.1	32.5	0.56	0.46	
2,769.3	2.59	234.18	2,768.3	-51.8	-32.5	32.9	0.42	0.30	
2,779.7	2.56	234.76	2,778.7	-52.0	-32.8	33.3	0.38	-0.29	
2,789.0	2.59	235.53	2,788.0	-52.3	-33.2	33.6	0.49	0.32	
2,799.9	2.63	235.52	2,798.8	-52.5	-33.6	34.0	0.37	0.37	
2,809.9	2.60	234.60	2,808.9	-52.8	-34.0	34.4	0.51	-0.30	
2,819.5	2.58	234.17	2,818.4	-53.1	-34.3	34.8	0.29	-0.21	
2,828.7	2.57	234.54	2,827.6	-53.3	-34.6	35.1	0.21	-0.11	
2,838.8	2.56	234.52	2,837.7	-53.6	-35.0	35.5	0.10	-0.10	
2,849.1	2.56	234.06	2,848.0	-53.8	-35.4	35.9	0.20	0.00	
2,859.1	2.46	232.97	2,858.0	-54.1	-35.7	36.2	1.11	-1.01	

Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times I32-2410 01H
Project:	San Juan Co, NM	TVD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
Site:	S32-T24N-R10W (Good Times)	MD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
Well:	Good Times I32-2410 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	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
2,869.5	2.45	232.98	2,868.4	-54.4	-36.1	36.6	0.10	-0.10	
2,879.5	2.43	233.31	2,878.4	-54.6	-36.4	36.9	0.24	-0.20	
2,889.4	2.40	233.66	2,888.3	-54.9	-36.8	37.2	0.34	-0.30	
2,899.9	2.43	234.57	2,898.7	-55.1	-37.1	37.6	0.46	0.29	
2,909.1	2.39	234.59	2,908.0	-55.3	-37.5	37.9	0.43	-0.43	
2,918.9	2.41	234.93	2,917.8	-55.6	-37.8	38.3	0.25	0.20	
2,928.9	2.40	234.72	2,927.7	-55.8	-38.1	38.6	0.13	-0.10	
2,939.3	2.40	235.14	2,938.1	-56.1	-38.5	39.0	0.17	0.00	
2,949.9	2.40	235.74	2,948.7	-56.3	-38.9	39.3	0.24	0.00	
2,959.7	2.35	236.70	2,958.5	-56.6	-39.2	39.7	0.65	-0.51	
2,969.8	2.31	236.75	2,968.6	-56.8	-39.5	40.0	0.40	-0.40	
2,978.3	2.33	236.90	2,977.1	-57.0	-39.8	40.3	0.25	0.23	
2,989.5	2.37	237.14	2,988.3	-57.2	-40.2	40.7	0.37	0.36	
2,999.4	2.28	236.56	2,998.2	-57.4	-40.5	41.0	0.94	-0.91	
3,008.6	2.32	236.64	3,007.4	-57.6	-40.8	41.3	0.43	0.43	
3,019.1	2.32	236.75	3,017.9	-57.9	-41.2	41.7	0.04	0.00	
3,028.9	2.26	236.34	3,027.7	-58.1	-41.5	42.0	0.63	-0.61	
3,038.8	2.30	236.29	3,037.6	-58.3	-41.9	42.4	0.41	0.41	
3,049.4	2.27	236.09	3,048.1	-58.5	-42.2	42.7	0.29	-0.28	
3,059.7	2.21	235.83	3,058.5	-58.8	-42.5	43.0	0.59	-0.58	
3,069.7	2.20	236.60	3,068.4	-59.0	-42.9	43.4	0.31	-0.10	
3,079.5	2.19	236.23	3,078.3	-59.2	-43.2	43.7	0.18	-0.10	
3,090.0	2.18	236.90	3,088.7	-59.4	-43.5	44.0	0.26	-0.10	
3,099.1	2.15	237.96	3,097.8	-59.6	-43.8	44.3	0.55	-0.33	
3,109.0	2.17	238.18	3,107.7	-59.8	-44.1	44.6	0.22	0.20	
3,118.8	2.21	237.62	3,117.5	-60.0	-44.4	44.9	0.46	0.41	
3,129.3	2.23	237.92	3,128.0	-60.2	-44.8	45.3	0.22	0.19	
3,139.6	2.20	238.03	3,138.3	-60.4	-45.1	45.6	0.29	-0.29	
3,149.6	2.24	237.46	3,148.3	-60.6	-45.4	46.0	0.46	0.40	
3,159.4	2.25	237.43	3,158.1	-60.8	-45.8	46.3	0.10	0.10	
3,169.8	2.24	236.94	3,168.5	-61.1	-46.1	46.6	0.21	-0.10	
3,178.9	2.30	236.07	3,177.6	-61.3	-46.4	46.9	0.76	0.66	
3,188.8	2.25	236.32	3,187.4	-61.5	-46.7	47.3	0.52	-0.51	
3,199.9	2.21	236.99	3,198.5	-61.7	-47.1	47.6	0.43	-0.36	
3,208.5	2.13	237.00	3,207.1	-61.9	-47.4	47.9	0.93	-0.93	
3,219.6	2.11	236.70	3,218.2	-62.1	-47.7	48.2	0.21	-0.18	
3,229.3	2.06	237.50	3,227.9	-62.3	-48.0	48.5	0.60	-0.51	
3,238.6	2.06	238.54	3,237.2	-62.5	-48.3	48.8	0.40	0.00	
3,249.1	2.16	239.37	3,247.6	-62.7	-48.6	49.2	1.00	0.96	
3,258.9	2.19	239.38	3,257.5	-62.9	-48.9	49.5	0.30	0.30	
3,269.9	2.17	240.21	3,268.5	-63.1	-49.3	49.8	0.34	-0.18	
3,279.2	2.20	239.09	3,277.8	-63.3	-49.6	50.2	0.56	0.32	
3,289.6	2.20	239.22	3,288.2	-63.5	-50.0	50.5	0.05	0.00	
3,299.5	2.27	238.81	3,298.0	-63.7	-50.3	50.8	0.73	0.71	
3,309.4	2.25	238.47	3,307.9	-63.9	-50.6	51.2	0.24	-0.20	
3,319.8	2.23	238.73	3,318.3	-64.1	-51.0	51.5	0.22	-0.19	
3,328.9	2.16	239.73	3,327.5	-64.3	-51.3	51.8	0.87	-0.76	
3,340.0	2.19	240.95	3,338.5	-64.5	-51.6	52.2	0.50	0.27	
3,349.9	2.22	241.83	3,348.4	-64.6	-52.0	52.5	0.46	0.30	
3,358.9	2.30	242.64	3,357.4	-64.8	-52.3	52.8	0.95	0.88	
3,369.3	2.32	241.44	3,367.8	-65.0	-52.7	53.2	0.50	0.19	
3,379.1	2.28	240.19	3,377.6	-65.2	-53.0	53.5	0.66	-0.41	
3,388.9	2.35	240.01	3,387.4	-65.4	-53.3	53.9	0.72	0.71	

Cathedral Energy Services

Survey Report

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Site:	S32-T24N-R10W (Good Times)	MD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
Well:	Good Times I32-2410 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	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
3,399.1	2.29	240.44	3,397.6	-65.6	-53.7	54.3	0.61	-0.59	
3,409.3	2.29	240.74	3,407.8	-65.8	-54.1	54.6	0.12	0.00	
3,419.8	2.28	241.37	3,418.3	-66.0	-54.4	55.0	0.26	-0.10	
3,429.1	2.29	242.08	3,427.6	-66.2	-54.7	55.3	0.32	0.11	
3,438.5	2.36	242.61	3,437.0	-66.4	-55.1	55.6	0.78	0.74	
3,449.2	2.34	241.52	3,447.7	-66.6	-55.5	56.0	0.46	-0.19	
3,459.6	2.35	240.94	3,458.0	-66.8	-55.8	56.4	0.25	0.10	
3,469.5	2.44	240.86	3,467.9	-67.0	-56.2	56.8	0.91	0.91	
3,479.7	2.43	242.86	3,478.1	-67.2	-56.6	57.2	0.84	-0.10	
3,489.8	2.43	243.12	3,488.2	-67.4	-57.0	57.5	0.11	0.00	
3,499.1	2.34	243.31	3,497.5	-67.5	-57.3	57.9	0.98	-0.98	
3,509.4	2.37	244.79	3,507.8	-67.7	-57.7	58.3	0.66	0.29	
3,519.6	2.43	246.57	3,518.0	-67.9	-58.1	58.7	0.94	0.59	
3,529.5	2.45	245.65	3,527.9	-68.1	-58.5	59.0	0.44	0.20	
3,539.7	2.47	245.41	3,538.1	-68.3	-58.9	59.5	0.22	0.19	
3,549.8	2.48	244.24	3,548.1	-68.4	-59.3	59.8	0.51	0.10	
3,559.8	2.40	244.59	3,558.2	-68.6	-59.6	60.2	0.81	-0.80	
3,569.4	2.40	245.20	3,567.7	-68.8	-60.0	60.6	0.27	0.00	
3,579.1	2.40	246.96	3,577.4	-69.0	-60.4	61.0	0.76	0.00	
3,589.3	2.44	248.20	3,587.6	-69.1	-60.8	61.4	0.65	0.39	
3,598.9	2.38	248.40	3,597.3	-69.3	-61.2	61.7	0.63	-0.62	
3,609.2	2.32	248.45	3,607.5	-69.4	-61.5	62.1	0.59	-0.59	
3,618.4	2.33	247.65	3,616.7	-69.6	-61.9	62.5	0.37	0.11	
3,629.1	2.26	247.29	3,627.4	-69.7	-62.3	62.9	0.67	-0.65	
3,639.5	2.25	247.94	3,637.8	-69.9	-62.7	63.3	0.27	-0.10	
3,649.3	2.26	248.64	3,647.6	-70.0	-63.0	63.6	0.30	0.10	
3,658.8	2.29	248.55	3,657.0	-70.2	-63.4	64.0	0.32	0.32	
3,669.6	2.38	249.80	3,667.8	-70.3	-63.8	64.4	0.96	0.83	
3,680.0	2.30	249.56	3,678.2	-70.5	-64.2	64.8	0.78	-0.77	
3,689.9	2.16	253.01	3,688.2	-70.6	-64.6	65.2	1.94	-1.40	
3,699.8	2.19	252.88	3,698.1	-70.7	-64.9	65.5	0.31	0.30	
3,709.6	2.23	253.18	3,707.9	-70.8	-65.3	65.9	0.43	0.41	
3,719.5	2.01	250.51	3,717.7	-70.9	-65.6	66.2	2.44	-2.23	
3,729.3	2.01	252.25	3,727.5	-71.0	-65.9	66.5	0.63	0.00	
3,740.0	1.98	255.33	3,738.2	-71.1	-66.3	66.9	1.04	-0.28	
3,749.7	1.97	252.27	3,747.9	-71.2	-66.6	67.2	1.09	-0.10	
3,759.4	1.99	249.54	3,757.6	-71.3	-66.9	67.5	0.99	0.21	
3,769.2	1.88	251.20	3,767.4	-71.5	-67.3	67.9	1.26	-1.12	
3,779.0	1.87	253.75	3,777.2	-71.6	-67.6	68.2	0.86	-0.10	
3,789.1	1.89	251.61	3,787.3	-71.6	-67.9	68.5	0.72	0.20	
3,799.9	1.81	253.10	3,798.1	-71.8	-68.2	68.8	0.86	-0.74	
3,809.8	1.76	254.36	3,808.0	-71.8	-68.5	69.1	0.64	-0.51	
3,819.7	1.84	252.18	3,817.8	-71.9	-68.8	69.4	1.07	0.81	
3,829.8	1.82	252.09	3,827.9	-72.0	-69.1	69.7	0.20	-0.20	
3,839.6	1.75	253.79	3,837.8	-72.1	-69.4	70.0	0.89	-0.71	
3,849.3	1.77	254.28	3,847.5	-72.2	-69.7	70.3	0.26	0.21	
3,859.4	1.79	252.21	3,857.5	-72.3	-70.0	70.6	0.67	0.20	
3,869.1	1.71	251.89	3,867.3	-72.4	-70.3	70.9	0.83	-0.82	
3,879.7	1.72	253.43	3,877.8	-72.5	-70.6	71.2	0.45	0.09	
3,889.1	1.72	252.91	3,887.3	-72.6	-70.8	71.5	0.17	0.00	
3,891.3	1.64	254.16	3,889.4	-72.6	-70.9	71.5	4.13	-3.76	
3,892.3	1.70	254.12	3,890.4	-72.6	-70.9	71.5	5.94	5.94	
4,028.0	1.10	249.00	4,026.1	-73.6	-74.1	74.7	0.45	-0.44	

Cathedral Energy Services

Survey Report

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Project:	San Juan Co, NM	TVD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
Site:	S32-T24N-R10W (Good Times)	MD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
Well:	Good Times I32-2410 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	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
4,060.0	1.10	246.30	4,058.1	-73.8	-74.6	75.3	0.16	0.00	
4,092.0	2.50	266.40	4,090.1	-74.0	-75.6	76.3	4.73	4.37	
4,123.0	6.60	272.90	4,121.0	-74.0	-78.1	78.7	13.31	13.23	
4,155.0	10.90	276.60	4,152.6	-73.5	-82.9	83.6	13.55	13.44	
4,188.0	14.20	280.70	4,184.8	-72.4	-90.0	90.6	10.35	10.00	
4,220.0	16.60	283.00	4,215.6	-70.6	-98.3	98.9	7.74	7.50	
4,252.0	19.80	284.70	4,246.0	-68.2	-108.0	108.6	10.14	10.00	
4,283.0	23.10	285.30	4,274.9	-65.3	-119.0	119.5	10.67	10.65	
4,315.0	25.50	285.90	4,304.0	-61.8	-131.6	132.2	7.54	7.50	
4,347.0	27.60	285.90	4,332.7	-57.8	-145.4	145.9	6.56	6.56	
4,379.0	29.90	285.30	4,360.7	-53.7	-160.2	160.7	7.24	7.19	
4,410.0	32.30	282.80	4,387.3	-49.8	-175.8	176.2	8.79	7.74	
4,442.0	34.80	280.70	4,413.9	-46.2	-193.1	193.5	8.61	7.81	
4,474.0	36.70	280.40	4,439.9	-42.8	-211.4	211.8	5.96	5.94	
4,506.0	38.70	279.30	4,465.2	-39.5	-230.7	231.1	6.59	6.25	
4,537.0	41.90	278.80	4,488.9	-36.3	-250.5	250.8	10.38	10.32	
4,569.0	45.10	278.40	4,512.1	-33.0	-272.3	272.6	10.04	10.00	
4,601.0	48.00	277.30	4,534.1	-29.9	-295.3	295.6	9.40	9.06	
4,632.0	50.90	276.80	4,554.2	-27.0	-318.7	318.9	9.43	9.35	
4,664.0	54.90	277.10	4,573.5	-23.9	-344.0	344.2	12.52	12.50	
4,696.0	58.50	277.90	4,591.1	-20.4	-370.5	370.7	11.44	11.25	
4,728.0	61.30	276.90	4,607.1	-16.8	-398.0	398.1	9.16	8.75	
4,759.0	64.30	275.90	4,621.3	-13.8	-425.4	425.5	10.09	9.68	
4,791.0	67.30	275.20	4,634.4	-10.9	-454.4	454.5	9.58	9.37	
4,823.0	70.20	274.70	4,646.0	-8.4	-484.1	484.2	9.18	9.06	
4,855.0	73.30	274.50	4,656.0	-5.9	-514.4	514.5	9.71	9.69	
4,886.0	76.10	273.70	4,664.2	-3.8	-544.2	544.3	9.37	9.03	
4,918.0	78.30	273.20	4,671.3	-1.9	-575.4	575.4	7.04	6.87	
4,950.0	81.10	273.00	4,677.0	-0.2	-606.8	606.8	8.77	8.75	
4,982.0	82.80	272.80	4,681.5	1.4	-638.5	638.4	5.35	5.31	
5,014.0	84.10	272.20	4,685.2	2.8	-670.2	670.2	4.47	4.06	
5,045.0	85.60	271.80	4,687.9	3.8	-701.1	701.0	5.01	4.84	
5,114.0	88.10	270.30	4,691.7	5.1	-770.0	769.9	4.22	3.62	
5,130.0	88.20	270.60	4,692.2	5.2	-786.0	785.9	1.98	0.62	
5,161.0	88.80	270.50	4,693.1	5.5	-816.9	816.9	1.96	1.94	
5,192.0	90.80	271.50	4,693.2	6.1	-847.9	847.9	7.21	6.45	
5,253.0	89.70	271.30	4,692.9	7.6	-908.9	908.8	1.83	-1.80	
5,316.0	89.90	270.40	4,693.1	8.5	-971.9	971.8	1.46	0.32	
5,380.0	88.90	267.40	4,693.8	7.3	-1,035.9	1,035.8	4.94	-1.56	
5,443.0	89.80	267.40	4,694.5	4.4	-1,098.8	1,098.7	1.43	1.43	
5,507.0	90.20	265.40	4,694.5	0.4	-1,162.7	1,162.6	3.19	0.62	
5,570.0	89.90	266.40	4,694.4	-4.1	-1,225.5	1,225.5	1.66	-0.48	
5,634.0	90.40	266.40	4,694.3	-8.1	-1,289.4	1,289.4	0.78	0.78	
5,697.0	90.80	268.70	4,693.6	-10.8	-1,352.3	1,352.4	3.71	0.63	
5,761.0	89.50	268.40	4,693.5	-12.4	-1,416.3	1,416.4	2.08	-2.03	
5,825.0	91.30	270.80	4,693.0	-12.9	-1,480.3	1,480.4	4.69	2.81	
5,888.0	90.70	270.90	4,691.9	-12.0	-1,543.3	1,543.3	0.97	-0.95	
5,952.0	91.70	272.20	4,690.6	-10.2	-1,607.2	1,607.3	2.56	1.56	
6,015.0	91.40	273.80	4,688.9	-6.9	-1,670.1	1,670.1	2.58	-0.48	
6,078.0	90.50	273.70	4,687.8	-2.8	-1,733.0	1,732.9	1.44	-1.43	
6,142.0	89.80	272.40	4,687.7	0.6	-1,796.9	1,796.8	2.31	-1.09	
6,205.0	89.40	270.90	4,688.1	2.4	-1,859.9	1,859.8	2.46	-0.63	
6,269.0	90.30	269.90	4,688.3	2.9	-1,923.9	1,923.8	2.10	1.41	

Cathedral Energy Services

Survey Report

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Design:	FINAL	Database:	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
6,333.0	90.00	268.30	4,688.1	1.9	-1,987.8	1,987.8	2.54	-0.47	
6,396.0	89.40	267.90	4,688.4	-0.2	-2,050.8	2,050.7	1.14	-0.95	
6,460.0	90.00	267.60	4,688.8	-2.8	-2,114.8	2,114.7	1.05	0.94	
6,523.0	89.60	267.90	4,689.0	-5.2	-2,177.7	2,177.7	0.79	-0.63	
6,587.0	89.90	268.60	4,689.3	-7.2	-2,241.7	2,241.7	1.19	0.47	
6,650.0	90.20	267.90	4,689.2	-9.1	-2,304.7	2,304.6	1.21	0.48	
6,713.0	90.20	269.30	4,689.0	-10.6	-2,367.6	2,367.6	2.22	0.00	
6,777.0	89.10	270.10	4,689.4	-11.0	-2,431.6	2,431.6	2.13	-1.72	
6,840.0	89.00	270.10	4,690.4	-10.9	-2,494.6	2,494.6	0.16	-0.16	
6,904.0	91.00	270.80	4,690.4	-10.4	-2,558.6	2,558.6	3.31	3.12	
6,967.0	90.60	271.00	4,689.5	-9.4	-2,621.6	2,621.6	0.71	-0.63	
7,031.0	89.30	269.70	4,689.6	-9.0	-2,685.6	2,685.6	2.87	-2.03	
7,094.0	89.80	268.90	4,690.1	-9.8	-2,748.6	2,748.6	1.50	0.79	
7,158.0	90.40	269.20	4,690.0	-10.8	-2,812.6	2,812.6	1.05	0.94	
7,221.0	90.00	267.80	4,689.8	-12.5	-2,875.6	2,875.6	2.31	-0.63	
7,285.0	89.70	267.30	4,689.9	-15.2	-2,939.5	2,939.5	0.91	-0.47	
7,348.0	89.00	267.60	4,690.6	-18.0	-3,002.4	3,002.5	1.21	-1.11	
7,411.0	89.50	269.40	4,691.5	-19.7	-3,065.4	3,065.5	2.97	0.79	
7,475.0	89.50	270.30	4,692.0	-19.8	-3,129.4	3,129.5	1.41	0.00	
7,538.0	90.60	271.50	4,692.0	-18.8	-3,192.4	3,192.4	2.58	1.75	
7,602.0	90.30	272.10	4,691.5	-16.8	-3,256.4	3,256.4	1.05	-0.47	
7,665.0	89.50	271.30	4,691.6	-14.9	-3,319.3	3,319.3	1.80	-1.27	
7,730.0	89.50	270.70	4,692.1	-13.8	-3,384.3	3,384.3	0.92	0.00	
7,793.0	89.50	269.20	4,692.7	-13.9	-3,447.3	3,447.3	2.38	0.00	
7,857.0	89.90	269.10	4,693.0	-14.8	-3,511.3	3,511.3	0.64	0.62	
7,921.0	90.00	269.50	4,693.1	-15.6	-3,575.3	3,575.3	0.64	0.16	
7,984.0	89.90	269.30	4,693.1	-16.3	-3,638.3	3,638.3	0.35	-0.16	
8,048.0	89.50	269.90	4,693.5	-16.7	-3,702.3	3,702.3	1.13	-0.62	
8,111.0	89.70	269.50	4,693.9	-17.0	-3,765.3	3,765.3	0.71	0.32	
8,174.0	89.60	270.20	4,694.3	-17.2	-3,828.3	3,828.3	1.12	-0.16	
8,238.0	90.50	270.10	4,694.2	-17.0	-3,892.3	3,892.3	1.41	1.41	
8,302.0	89.70	268.70	4,694.1	-17.7	-3,956.3	3,956.3	2.52	-1.25	
8,365.0	91.40	268.50	4,693.5	-19.2	-4,019.3	4,019.3	2.72	2.70	
8,429.0	90.40	268.60	4,692.5	-20.9	-4,083.2	4,083.3	1.57	-1.56	
8,492.0	89.50	268.10	4,692.6	-22.7	-4,146.2	4,146.2	1.63	-1.43	
8,556.0	90.40	268.80	4,692.6	-24.4	-4,210.2	4,210.2	1.78	1.41	
8,619.0	91.50	269.50	4,691.6	-25.3	-4,273.2	4,273.2	2.07	1.75	
8,683.0	89.30	267.90	4,691.1	-26.8	-4,337.1	4,337.2	4.25	-3.44	
8,746.0	90.00	267.50	4,691.5	-29.3	-4,400.1	4,400.2	1.28	1.11	
8,809.0	91.20	267.60	4,690.9	-32.0	-4,463.0	4,463.1	1.91	1.90	
8,873.0	90.60	267.20	4,689.9	-34.9	-4,526.9	4,527.1	1.13	-0.94	
8,895.0	91.00	267.20	4,689.6	-36.0	-4,548.9	4,549.1	1.82	1.82	Last Cathedral Survey @ 8,895' MD
8,950.0	91.00	267.20	4,688.6	-38.7	-4,603.8	4,604.0	0.00	0.00	Projection to Bit @ 8,950' - Good Times I32-2410

Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times I32-2410 01H
Project:	San Juan Co, NM	TVD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
Site:	S32-T24N-R10W (Good Times)	MD Reference:	KB=13' @ 6633.0ft (Original Well Elev)
Well:	Good Times I32-2410 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Targets

Target Name

- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
Good Times I32-2410 01	0.00	0.00	4,524.8	-39.7	-4,625.1	1,917,155.71	2,695,477.11	36.268790	-107.927030
- actual wellpath misses target center by 165.2ft at 8950.0ft MD (4688.6 TVD, -38.7 N, -4603.8 E)									
- Point									
Good Times I32-2410 01	0.00	0.00	4,684.8	-39.7	-4,625.1	1,917,155.71	2,695,477.11	36.268790	-107.927030
- actual wellpath misses target center by 21.6ft at 8950.0ft MD (4688.6 TVD, -38.7 N, -4603.8 E)									
- Point									

Design Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
8,895.0	4,689.6	-36.0	-4,548.9	Last Cathedral Survey @ 8,895' MD
8,950.0	4,688.6	-38.7	-4,603.8	Projection to Bit @ 8,950'

Checked By: _____ Approved By: _____ Date: _____