

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: (575) 748-1283 Fax: (575) 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35367	² Pool Code 5860	³ Pool Name SOUTH BISTI - GALLUP
⁴ Property Code 39434	⁵ Property Name GOOD TIMES P34-2410	⁶ Well Number 01H
⁷ GRID No. 282327	⁸ Operator Name ENCANA OIL & GAS (USA) INC.	⁹ Elevation 6759'

¹⁰ Surface Location

UL or Lot no. P	Section 34	Township 24N	Range 10W	Lot Idn	Feet from the 675	North/South line SOUTH	Feet from the 330	East/West line EAST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or Lot no. M	Section 34	Township 24N	Range 10W	Lot Idn	Feet from the 678	North/South line SOUTH	Feet from the 351	East/West line WEST	County SAN JUAN
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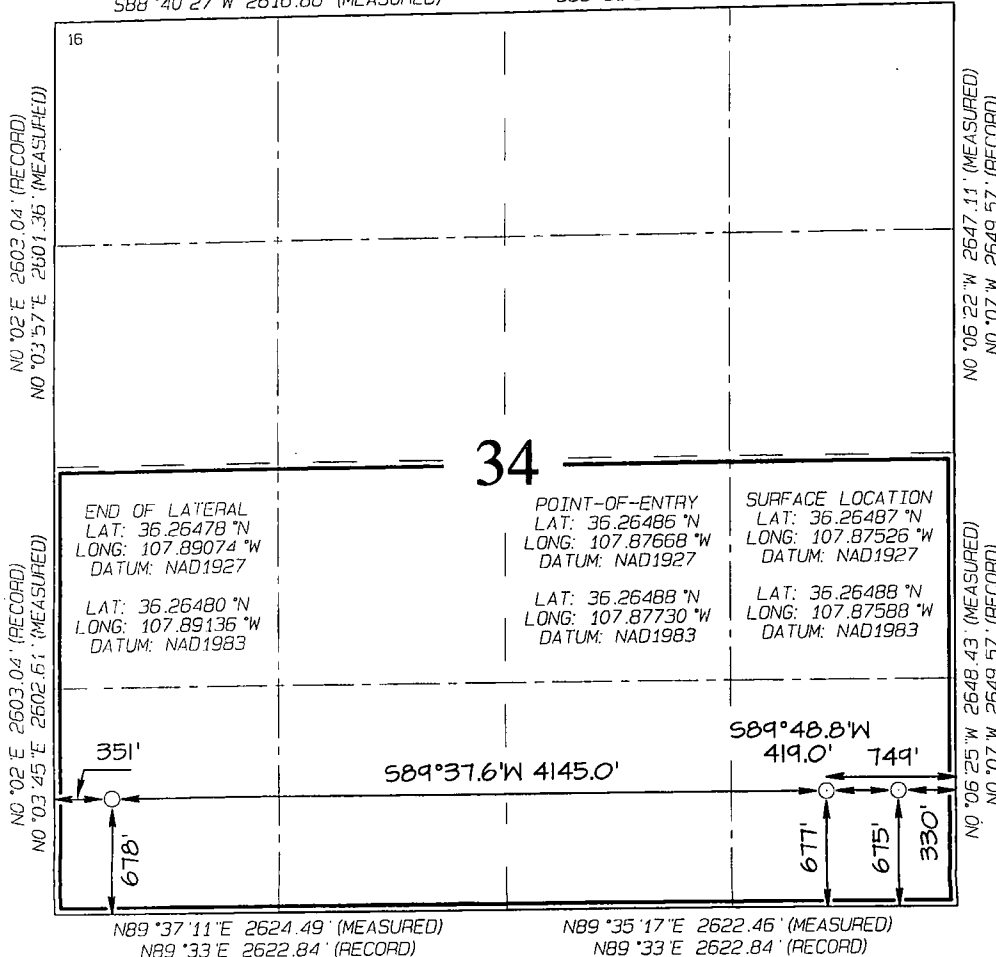
¹² Dedicated Acres 320.0 Acres - S/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD NOV 12 '13 OIL CONS. DIV.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

DIST. 3

S88°32'W 2616.24' (RECORD)
S88°40'27"W 2616.86' (MEASURED)

S88°32'W 2616.24' (RECORD)
S88°31'34"W 2615.86' (MEASURED)



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.

Signature: *Brenda R. Linster* Date: 11/7/13

Printed Name: Brenda R. Linster, Regulatory Lead

E-mail Address: brenda.linster@encana.com

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date Revised: OCTOBER 17, 2013
Date of Survey: JULY 13, 2011

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

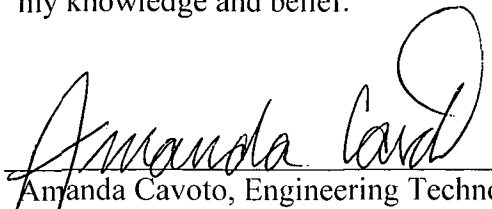
DEVIATION SURVEYS

MD (Feet)	Inclination (Degree)
619	.3
864	.8
1170	.4
1475	.4
1791	.7
2106	1.5
2421	.3
2735	.4
3049	.1
3365	.4
3680	.9
3996	.9

RCVD NOV 12 '13
OIL CONS. DIV.
DIST. 3

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

11/07/13

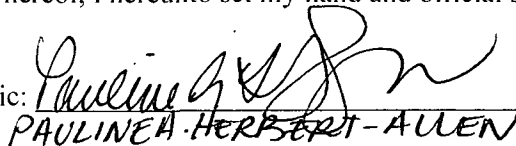
ACKNOWLEDGMENT

State of Colorado
City and County of Denver

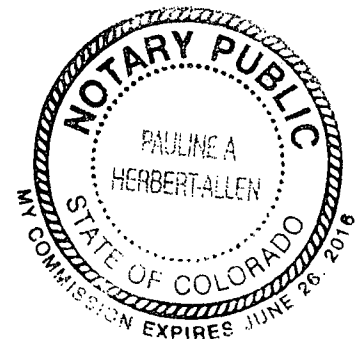
This instrument was acknowledged before me on this 7th day of November, 2013 by Amanda Cavoto on behalf of Encana Oil & Gas (USA) Inc.

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

Notary Public:

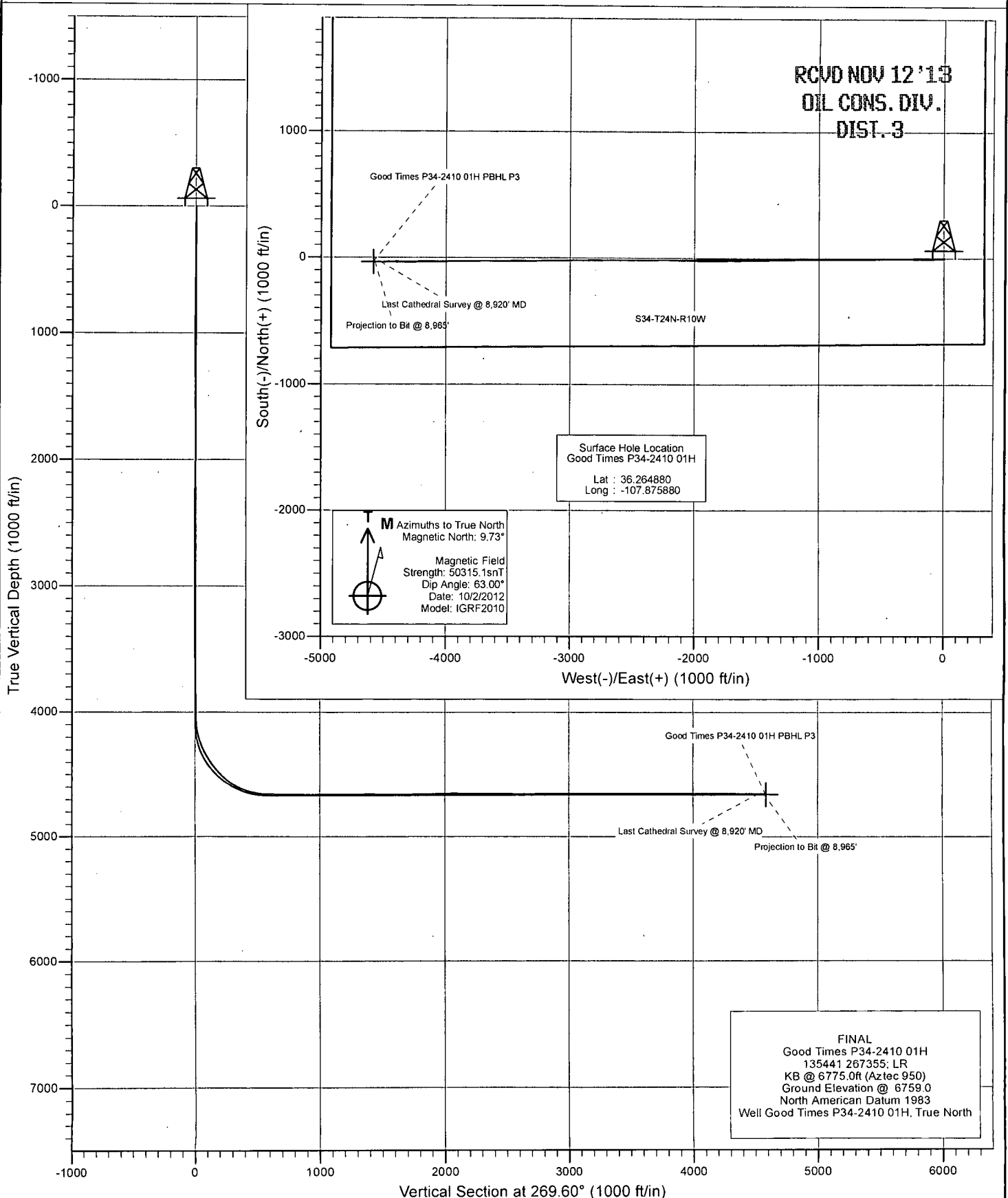

PAULINE A. HERBERT-ALLEN

My Commission Expires: June 26, 2016



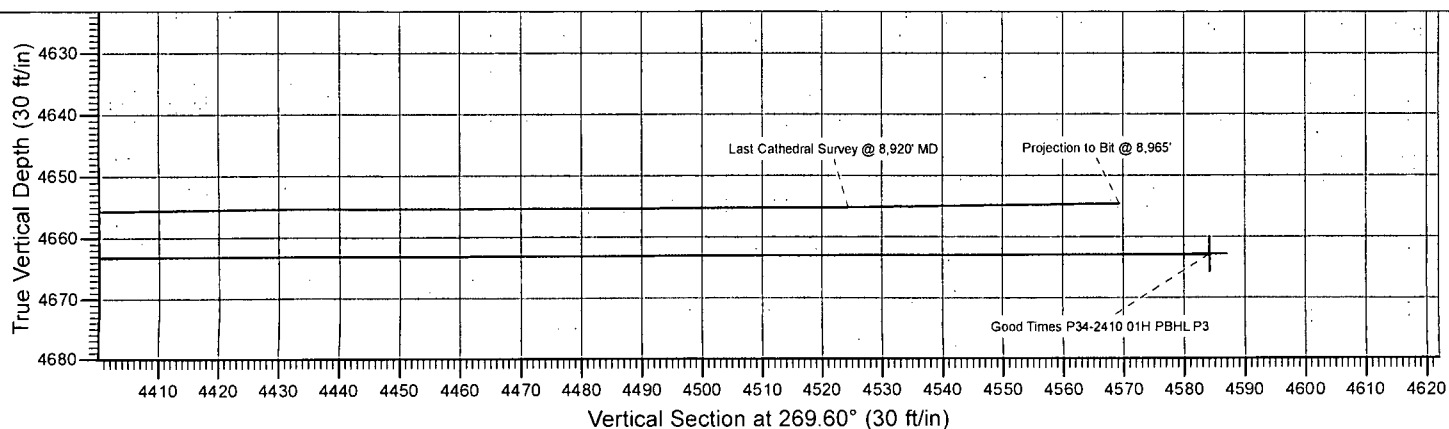
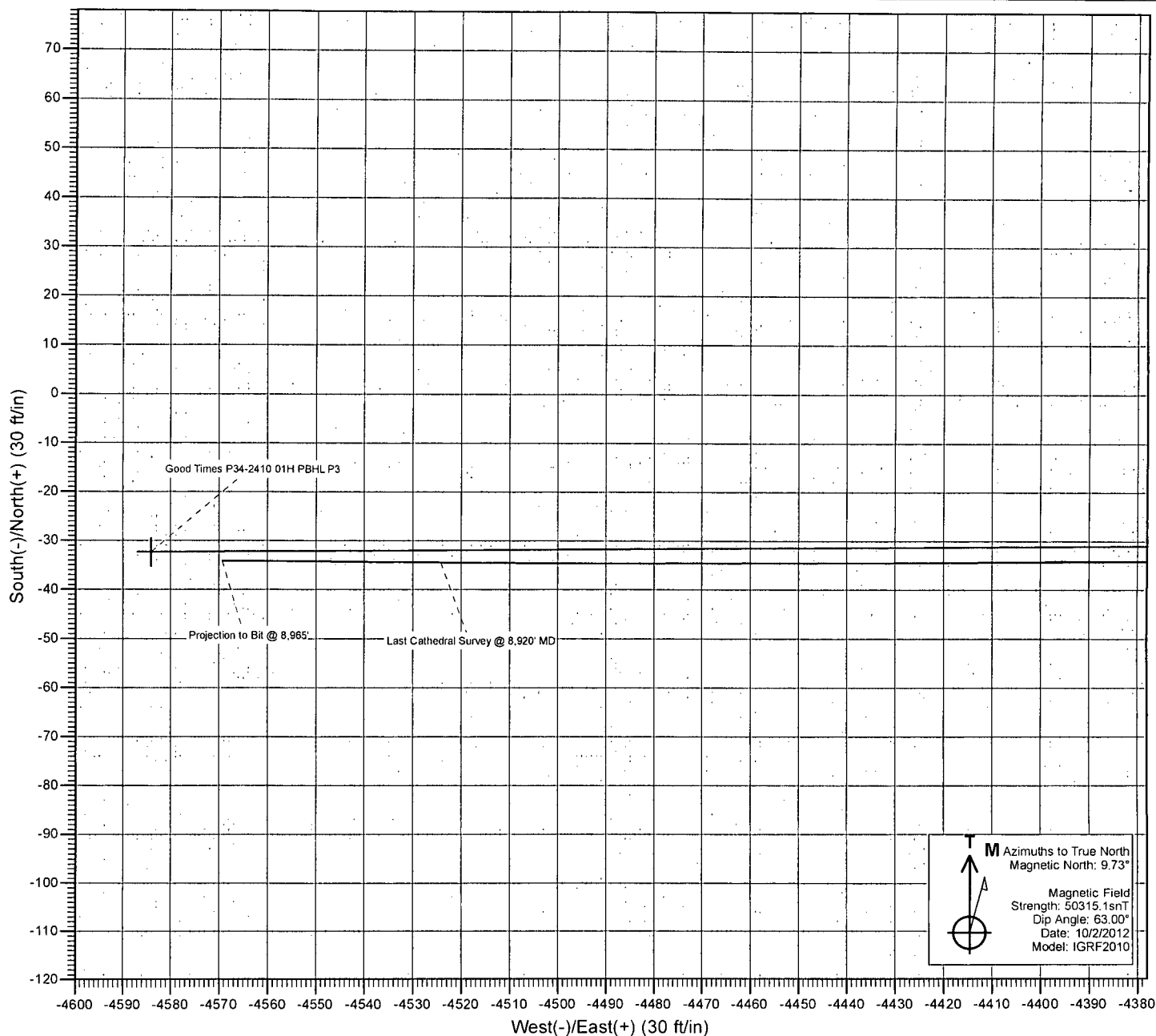


Project: San Juan County, NM
 Site: S34-T24N-R10W (Good Times)
 Well: Good Times P34-2410 01H
 Wellbore: Hz
 Design: FINAL





Project: San Juan County, NM
Site: S34-T24N-R10W (Good Times)
Well: Good Times P34-2410 01H
Wellbore: Hz
Design: FINAL



Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times P34-2410 01H
Project:	San Juan County, NM	TVD Reference:	KB @ 6775.0ft (Aztec 950)
Site:	S34-T24N-R10W (Good Times)	MD Reference:	KB @ 6775.0ft (Aztec 950)
Well:	Good Times P34-2410 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Project	San Juan County, 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	S34-T24N-R10W (Good Times)				
Site Position:		Northing:	1,915,707.21 ft	Latitude:	36.264840
From:	Lat/Long	Easting:	2,710,554.53 ft	Longitude:	-107.875880
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-0.03 °

Well	Good Times P34-2410 01H					
Well Position	+N/-S	0.0 ft	Northing:	1,915,721.77 ft	Latitude:	36.264880
	+E/-W	0.0 ft	Easting:	2,710,554.54 ft	Longitude:	-107.875880
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,759.0 ft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2010	10/2/2012	9.73	63.00	50,315

Design	FINAL				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.0	0.0	0.0	269.60	

Survey Program	Date 10/13/2013			
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
619.0	8,965.0	Survey #1 (Hz)	Geolink 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	
619.0	0.30	99.60	619.0	-0.3	1.6	-1.6	0.05	0.05	
680.0	0.30	103.90	680.0	-0.3	1.9	-1.9	0.04	0.00	
741.0	0.30	99.60	741.0	-0.4	2.2	-2.2	0.04	0.00	
802.0	0.40	114.60	802.0	-0.5	2.6	-2.6	0.22	0.16	
864.0	0.80	85.70	864.0	-0.6	3.2	-3.2	0.79	0.65	
925.0	0.80	80.10	925.0	-0.5	4.0	-4.0	0.13	0.00	
986.0	0.40	333.80	986.0	-0.2	4.4	-4.4	1.62	-0.66	
1,047.0	0.70	315.20	1,047.0	0.3	4.0	-4.0	0.57	0.49	
1,109.0	0.70	322.20	1,109.0	0.8	3.5	-3.5	0.14	0.00	
1,170.0	0.40	318.50	1,170.0	1.3	3.1	-3.2	0.49	-0.49	
1,231.0	0.60	324.90	1,231.0	1.7	2.8	-2.8	0.34	0.33	
1,292.0	0.20	325.60	1,292.0	2.0	2.6	-2.6	0.66	-0.66	

Cathedral Energy Services

Survey Report

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S34-T24N-R10W (Good Times)
Well: Good Times P34-2410 01H
Wellbore: Hz
Design: FINAL

Local Co-ordinate Reference: Well Good Times P34-2410 01H
TVD Reference: KB @ 6775.0ft (Aztec 950)
MD Reference: KB @ 6775.0ft (Aztec 950)
North Reference: True
Survey Calculation Method: Minimum Curvature
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
1,354.0	0.60	320.60	1,354.0	2.4	2.3	-2.3	0.65	0.65	
1,415.0	0.30	279.60	1,415.0	2.7	2.0	-2.0	0.69	-0.49	
1,475.0	0.40	284.50	1,475.0	2.7	1.6	-1.6	0.17	0.17	
1,538.0	0.70	259.20	1,538.0	2.7	1.0	-1.0	0.60	0.48	
1,601.0	0.80	238.00	1,601.0	2.4	0.3	-0.3	0.46	0.16	
1,664.0	1.00	251.20	1,663.9	2.0	-0.6	0.6	0.46	0.32	
1,728.0	0.90	258.30	1,727.9	1.7	-1.7	1.7	0.24	-0.16	
1,791.0	0.70	228.60	1,790.9	1.4	-2.4	2.4	0.72	-0.32	
1,854.0	0.90	187.60	1,853.9	0.6	-2.8	2.8	0.94	0.32	
1,917.0	0.90	183.10	1,916.9	-0.4	-2.9	2.9	0.11	0.00	
1,980.0	0.90	132.10	1,979.9	-1.2	-2.5	2.6	1.23	0.00	
2,043.0	1.50	103.80	2,042.9	-1.7	-1.4	1.4	1.31	0.95	
2,106.0	1.50	111.40	2,105.9	-2.2	0.2	-0.2	0.32	0.00	
2,169.0	1.00	110.90	2,168.9	-2.7	1.5	-1.5	0.79	-0.79	
2,232.0	0.50	78.50	2,231.9	-2.9	2.3	-2.2	1.01	-0.79	
2,295.0	0.40	69.40	2,294.9	-2.7	2.7	-2.7	0.19	-0.16	
2,358.0	0.20	68.30	2,357.9	-2.6	3.0	-3.0	0.32	-0.32	
2,421.0	0.30	67.50	2,420.9	-2.5	3.3	-3.3	0.16	0.16	
2,483.0	0.20	78.30	2,482.9	-2.4	3.6	-3.5	0.18	-0.16	
2,546.0	0.40	91.30	2,545.9	-2.4	3.9	-3.9	0.33	0.32	
2,609.0	0.10	311.80	2,608.9	-2.4	4.1	-4.0	0.76	-0.48	
2,672.0	0.30	247.90	2,671.9	-2.4	3.9	-3.8	0.43	0.32	
2,735.0	0.40	227.10	2,734.9	-2.6	3.6	-3.5	0.25	0.16	
2,798.0	0.30	150.20	2,797.8	-2.9	3.5	-3.5	0.70	-0.16	
2,861.0	0.20	171.90	2,860.8	-3.1	3.6	-3.5	0.22	-0.16	
2,924.0	0.30	195.10	2,923.8	-3.4	3.5	-3.5	0.22	0.16	
2,986.0	0.30	143.00	2,985.8	-3.7	3.6	-3.6	0.42	0.00	
3,049.0	0.10	337.50	3,048.8	-3.8	3.7	-3.6	0.63	-0.32	
3,113.0	0.10	48.60	3,112.8	-3.7	3.7	-3.7	0.18	0.00	
3,176.0	0.10	305.90	3,175.8	-3.6	3.7	-3.7	0.25	0.00	
3,239.0	0.10	184.30	3,238.8	-3.6	3.6	-3.6	0.28	0.00	
3,302.0	0.30	154.60	3,301.8	-3.9	3.7	-3.7	0.35	0.32	
3,365.0	0.40	266.50	3,364.8	-4.0	3.6	-3.5	0.92	0.16	
3,428.0	0.90	293.20	3,427.8	-3.8	2.9	-2.9	0.91	0.79	
3,491.0	0.80	295.40	3,490.8	-3.4	2.0	-2.0	0.17	-0.16	
3,554.0	0.80	299.90	3,553.8	-3.0	1.3	-1.2	0.10	0.00	
3,617.0	0.80	289.80	3,616.8	-2.7	0.5	-0.4	0.22	0.00	
3,680.0	0.90	277.50	3,679.8	-2.5	-0.4	0.5	0.33	0.16	
3,743.0	0.90	281.20	3,742.8	-2.3	-1.4	1.4	0.09	0.00	
3,806.0	1.10	290.10	3,805.8	-2.0	-2.5	2.5	0.40	0.32	
3,869.0	1.10	283.40	3,868.8	-1.6	-3.6	3.6	0.20	0.00	
3,932.0	0.80	268.80	3,931.8	-1.5	-4.7	4.7	0.61	-0.48	
3,996.0	0.90	246.20	3,995.8	-1.7	-5.6	5.6	0.54	0.16	
4,027.0	0.80	237.10	4,026.8	-1.9	-6.0	6.0	0.54	-0.32	
4,046.0	0.90	254.10	4,045.8	-2.1	-6.2	6.2	1.42	0.53	
4,077.0	1.60	265.50	4,076.8	-2.2	-6.9	6.9	2.39	2.26	
4,109.0	5.20	268.10	4,108.7	-2.2	-8.8	8.8	11.26	11.25	
4,140.0	9.10	266.80	4,139.5	-2.4	-12.6	12.7	12.59	12.58	
4,172.0	13.20	264.00	4,170.8	-2.9	-18.8	18.8	12.92	12.81	
4,203.0	16.80	265.60	4,200.8	-3.7	-26.8	26.8	11.69	11.61	
4,235.0	19.40	267.00	4,231.2	-4.3	-36.7	36.7	8.24	8.12	
4,267.0	21.80	268.30	4,261.1	-4.7	-48.0	48.0	7.63	7.50	
4,298.0	24.30	267.70	4,289.7	-5.2	-60.1	60.1	8.10	8.06	

Cathedral Energy Services

Survey Report

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S34-T24N-R10W (Good Times)
Well: Good Times P34-2410 01H
Wellbore: Hz
Design: FINAL

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MD Reference: KB @ 6775.0ft (Aztec 950)
North Reference: True
Survey Calculation Method: Minimum Curvature
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
4,330.0	26.90	267.40	4,318.5	-5.8	-73.9	73.9	8.14	8.12	
4,361.0	29.40	268.30	4,345.9	-6.3	-88.5	88.6	8.18	8.06	
4,393.0	31.40	269.50	4,373.5	-6.6	-104.7	104.7	6.53	6.25	
4,424.0	34.30	269.90	4,399.5	-6.7	-121.5	121.6	9.38	9.35	
4,455.0	35.60	268.50	4,424.9	-7.0	-139.3	139.3	4.93	4.19	
4,487.0	38.10	269.30	4,450.5	-7.3	-158.5	158.5	7.95	7.81	
4,518.0	40.70	271.00	4,474.5	-7.3	-178.1	178.2	9.08	8.39	
4,550.0	43.80	271.80	4,498.1	-6.7	-199.6	199.7	9.83	9.69	
4,581.0	46.60	272.10	4,520.0	-6.0	-221.6	221.7	9.06	9.03	
4,613.0	49.90	271.90	4,541.3	-5.1	-245.5	245.5	10.32	10.31	
4,644.0	53.40	271.70	4,560.5	-4.4	-269.8	269.8	11.30	11.29	
4,676.0	57.30	270.70	4,578.7	-3.8	-296.1	296.1	12.46	12.19	
4,707.0	60.90	269.70	4,594.6	-3.8	-322.7	322.7	11.94	11.61	
4,739.0	64.90	269.00	4,609.2	-4.1	-351.2	351.2	12.65	12.50	
4,770.0	69.00	269.20	4,621.3	-4.5	-379.7	379.7	13.24	13.23	
4,802.0	72.80	269.00	4,631.8	-5.0	-409.9	409.9	11.89	11.87	
4,834.0	75.80	269.20	4,640.5	-5.5	-440.7	440.7	9.39	9.37	
4,863.0	79.10	269.80	4,646.8	-5.7	-469.0	469.0	11.56	11.38	
4,897.0	82.50	267.80	4,652.2	-6.4	-502.6	502.6	11.56	10.00	
4,928.0	85.70	268.60	4,655.4	-7.4	-533.4	533.4	10.64	10.32	
4,960.0	87.80	269.20	4,657.2	-8.0	-565.3	565.4	6.82	6.56	
4,991.0	89.90	269.90	4,657.8	-8.3	-596.3	596.3	7.14	6.78	
5,054.0	88.70	269.50	4,658.6	-8.6	-659.3	659.3	2.01	-1.90	
5,117.0	88.20	268.70	4,660.3	-9.6	-722.3	722.3	1.50	-0.79	
5,180.0	89.30	269.20	4,661.7	-10.7	-785.2	785.3	1.92	1.75	
5,243.0	90.00	270.10	4,662.1	-11.1	-848.2	848.3	1.81	1.11	
5,305.0	90.00	270.20	4,662.1	-11.0	-910.2	910.3	0.16	0.00	
5,368.0	89.80	270.70	4,662.2	-10.5	-973.2	973.3	0.85	-0.32	
5,431.0	91.00	271.00	4,661.7	-9.5	-1,036.2	1,036.3	1.96	1.90	
5,494.0	89.70	270.30	4,661.3	-8.8	-1,099.2	1,099.2	2.34	-2.06	
5,557.0	89.90	267.90	4,661.6	-9.8	-1,162.2	1,162.2	3.82	0.32	
5,619.0	90.40	267.10	4,661.4	-12.5	-1,224.1	1,224.2	1.52	0.81	
5,682.0	91.10	269.10	4,660.6	-14.6	-1,287.1	1,287.2	3.36	1.11	
5,745.0	90.70	269.70	4,659.6	-15.3	-1,350.1	1,350.2	1.14	-0.63	
5,808.0	88.30	268.70	4,660.1	-16.1	-1,413.1	1,413.1	4.13	-3.81	
5,871.0	90.10	269.90	4,661.0	-16.9	-1,476.1	1,476.1	3.43	2.86	
5,934.0	90.20	269.80	4,660.9	-17.1	-1,539.1	1,539.1	0.22	0.16	
5,997.0	89.80	269.10	4,660.9	-17.7	-1,602.0	1,602.1	1.28	-0.63	
6,060.0	89.10	268.50	4,661.5	-19.0	-1,665.0	1,665.1	1.46	-1.11	
6,123.0	90.80	267.10	4,661.5	-21.4	-1,728.0	1,728.1	3.50	2.70	
6,185.0	90.80	268.60	4,660.6	-23.7	-1,789.9	1,790.1	2.42	0.00	
6,248.0	92.30	271.40	4,658.9	-23.7	-1,852.9	1,853.0	5.04	2.38	
6,311.0	92.00	271.30	4,656.6	-22.3	-1,915.8	1,915.9	0.50	-0.48	
6,374.0	91.00	271.30	4,654.9	-20.8	-1,978.8	1,978.9	1.59	-1.59	
6,436.0	90.00	271.30	4,654.4	-19.4	-2,040.8	2,040.9	1.61	-1.61	
6,499.0	89.00	270.70	4,654.9	-18.3	-2,103.8	2,103.8	1.85	-1.59	
6,562.0	89.40	271.90	4,655.8	-16.9	-2,166.7	2,166.8	2.01	0.63	
6,625.0	90.00	271.20	4,656.2	-15.2	-2,229.7	2,229.8	1.46	0.95	
6,688.0	88.70	268.30	4,656.9	-15.5	-2,292.7	2,292.8	5.04	-2.06	
6,751.0	89.80	268.50	4,657.7	-17.2	-2,355.7	2,355.7	1.77	1.75	
6,814.0	90.00	271.40	4,657.8	-17.3	-2,418.7	2,418.7	4.61	0.32	
6,877.0	89.30	270.90	4,658.2	-16.0	-2,481.7	2,481.7	1.37	-1.11	
6,940.0	89.50	270.10	4,658.8	-15.5	-2,544.6	2,544.7	1.31	0.32	

Cathedral Energy Services

Survey Report

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S34-T24N-R10W (Good Times)
Well: Good Times P34-2410 01H
Wellbore: Hz
Design: FINAL

Local Co-ordinate Reference: Well Good Times P34-2410 01H
TVD Reference: KB @ 6775.0ft (Aztec 950)
MD Reference: KB @ 6775.0ft (Aztec 950)
North Reference: True
Survey Calculation Method: Minimum Curvature
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
7,002.0	89.30	268.90	4,659.5	-16.0	-2,606.6	2,606.7	1.96	-0.32	
7,066.0	90.40	269.00	4,659.7	-17.2	-2,670.6	2,670.7	1.73	1.72	
7,129.0	92.00	269.90	4,658.3	-17.8	-2,733.6	2,733.7	2.91	2.54	
7,192.0	91.50	270.10	4,656.4	-17.8	-2,796.6	2,796.6	0.85	-0.79	
7,255.0	90.10	269.70	4,655.5	-17.9	-2,859.6	2,859.6	2.31	-2.22	
7,318.0	90.00	269.30	4,655.5	-18.4	-2,922.6	2,922.6	0.65	-0.16	
7,381.0	89.60	268.80	4,655.7	-19.5	-2,985.6	2,985.6	1.02	-0.63	
7,444.0	89.90	270.00	4,656.0	-20.1	-3,048.6	3,048.6	1.96	0.48	
7,507.0	89.80	269.60	4,656.1	-20.4	-3,111.6	3,111.6	0.65	-0.16	
7,570.0	89.90	268.20	4,656.3	-21.6	-3,174.5	3,174.6	2.23	0.16	
7,633.0	90.40	267.20	4,656.1	-24.1	-3,237.5	3,237.6	1.77	0.79	
7,696.0	90.00	268.70	4,655.9	-26.4	-3,300.4	3,300.5	2.46	-0.63	
7,758.0	89.90	268.70	4,656.0	-27.8	-3,362.4	3,362.5	0.16	-0.16	
7,821.0	89.60	270.20	4,656.3	-28.4	-3,425.4	3,425.5	2.43	-0.48	
7,884.0	89.70	270.20	4,656.6	-28.1	-3,488.4	3,488.5	0.16	0.16	
7,947.0	91.00	271.50	4,656.3	-27.2	-3,551.4	3,551.5	2.92	2.06	
8,010.0	89.90	270.70	4,655.8	-26.0	-3,614.4	3,614.5	2.16	-1.75	
8,072.0	89.30	269.60	4,656.2	-25.8	-3,676.4	3,676.5	2.02	-0.97	
8,135.0	91.10	268.90	4,656.0	-26.7	-3,739.4	3,739.5	3.07	2.86	
8,198.0	91.50	269.10	4,654.5	-27.8	-3,802.4	3,802.5	0.71	0.63	
8,261.0	90.40	269.90	4,653.5	-28.3	-3,865.3	3,865.4	2.16	-1.75	
8,323.0	88.80	268.70	4,653.9	-29.1	-3,927.3	3,927.4	3.23	-2.58	
8,386.0	89.00	268.70	4,655.1	-30.5	-3,990.3	3,990.4	0.32	0.32	
8,449.0	90.60	269.30	4,655.4	-31.6	-4,053.3	4,053.4	2.71	2.54	
8,512.0	89.60	270.30	4,655.2	-31.8	-4,116.3	4,116.4	2.24	-1.59	
8,574.0	89.80	269.40	4,655.6	-32.0	-4,178.3	4,178.4	1.49	0.32	
8,637.0	89.70	269.00	4,655.8	-32.9	-4,241.3	4,241.4	0.65	-0.16	
8,700.0	89.70	269.20	4,656.2	-33.8	-4,304.3	4,304.4	0.32	0.00	
8,763.0	90.60	270.30	4,656.0	-34.1	-4,367.3	4,367.4	2.26	1.43	
8,826.0	90.50	269.10	4,655.4	-34.5	-4,430.3	4,430.4	1.91	-0.16	
8,889.0	89.60	270.50	4,655.4	-34.7	-4,493.3	4,493.4	2.64	-1.43	
8,920.0	90.80	270.40	4,655.2	-34.4	-4,524.3	4,524.4	3.88	3.87	Last Cathedral Survey @ 8,920' MD
8,965.0	90.80	270.40	4,654.6	-34.1	-4,569.3	4,569.4	0.00	0.00	Projection to Bit @ 8,965'

Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times P34-2410 01H
Project:	San Juan County, NM	TVD Reference:	KB @ 6775.0ft (Aztec 950)
Site:	S34-T24N-R10W (Good Times)	MD Reference:	KB @ 6775.0ft (Aztec 950)
Well:	Good Times P34-2410 01H	North Reference:	True
Wellbore:	H2	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Targets

Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Good Times P34-2410 0	0.00	0.00	4,662.9	-32.4	-4,584.1	1,915,691.39	2,705,970.45	36.264790	-107.891430
- actual wellpath misses target center by 17.1ft at 8965.0ft MD (4654.6 TVD, -34.1 N, -4569.3 E)									
- Point									
Good Times P34-2410 0	0.00	0.00	4,817.0	-32.4	-4,584.1	1,915,691.39	2,705,970.45	36.264790	-107.891430
- actual wellpath misses target center by 163.1ft at 8965.0ft MD (4654.6 TVD, -34.1 N, -4569.3 E)									
- Polygon									
Point 1			4,817.0	300.0	-330.0	1,915,991.53	2,705,640.58		
Point 2			4,817.0	-675.0	-330.0	1,915,016.53	2,705,640.15		
Point 3			4,817.0	-675.0	500.0	1,915,016.17	2,706,470.15		
Point 4			4,817.0	-675.0	-330.0	1,915,016.53	2,705,640.15		

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
8,920.0	4,655.2	-34.4	-4,524.3	Last Cathedral Survey @ 8,920' MD
8,965.0	4,654.6	-34.1	-4,569.3	Projection to Bit @ 8,965'

Checked By: _____ Approved By: _____ Date: _____

EnCana Oil & Gas (USA) Inc

San Juan County, NM

S34-T24N-R10W (Good Times)

Good Times P34-2410 01H

Hz

Design: FINAL

Survey Report - Geographic

13 October, 2013

Cathedral Energy Services

Survey Report - Geographic

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times P34-2410 01H
Project:	San Juan County, NM	TVD Reference:	KB @ 6775.0ft (Aztec 950)
Site:	S34-T24N-R10W (Good Times)	MD Reference:	KB @ 6775.0ft (Aztec 950)
Well:	Good Times P34-2410 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Project	San Juan County, 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		S34-T24N-R10W (Good Times)			
Site Position:		Northing:	1,915,707.21 ft	Latitude:	36.264840
From:	Lat/Long	Easting:	2,710,554.53 ft	Longitude:	-107.875880
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-0.03 °

Well	Good Times P34-2410 01H					
Well Position	+N/-S	0.0 ft	Northing:	1,915,721.77 ft	Latitude:	36.264880
	+E/-W	0.0 ft	Easting:	2,710,554.54 ft	Longitude:	-107.875880
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,759.0 ft	

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/2/2012	9.73	63.00	50,315

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	269.60

Survey Program		Date	10/13/2013		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
619.0	8,965.0	Survey #1 (Hz)	Geolink MWD	Geolink MWD	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	1,915,721.77	2,710,554.54	36.264880	-107.875880
619.0	0.30	99.60	619.0	-0.3	1.6	1,915,721.50	2,710,556.14	36.264879	-107.875875
680.0	0.30	103.90	680.0	-0.3	1.9	1,915,721.43	2,710,556.45	36.264879	-107.875874
741.0	0.30	99.60	741.0	-0.4	2.2	1,915,721.37	2,710,556.76	36.264879	-107.875873
802.0	0.40	114.60	802.0	-0.5	2.6	1,915,721.25	2,710,557.11	36.264879	-107.875872
864.0	0.80	85.70	864.0	-0.6	3.2	1,915,721.19	2,710,557.74	36.264879	-107.875869
925.0	0.80	80.10	925.0	-0.5	4.0	1,915,721.30	2,710,558.59	36.264879	-107.875867
986.0	0.40	333.80	986.0	-0.2	4.4	1,915,721.56	2,710,558.91	36.264880	-107.875865
1,047.0	0.70	315.20	1,047.0	0.3	4.0	1,915,722.02	2,710,558.56	36.264881	-107.875867
1,109.0	0.70	322.20	1,109.0	0.8	3.5	1,915,722.59	2,710,558.06	36.264882	-107.875868
1,170.0	0.40	318.50	1,170.0	1.3	3.1	1,915,723.04	2,710,557.69	36.264884	-107.875870
1,231.0	0.60	324.90	1,231.0	1.7	2.8	1,915,723.46	2,710,557.36	36.264885	-107.875871

Cathedral Energy Services

Survey Report - Geographic

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S34-T24N-R10W (Good Times)
Well: Good Times P34-2410 01H
Wellbore: Hz
Design: FINAL

Local Co-ordinate Reference: Well Good Times P34-2410 01H
TVD Reference: KB @ 6775.0ft (Aztec 950)
MD Reference: KB @ 6775.0ft (Aztec 950)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: USA EDM 5000 Multi Users DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
1,292.0	0.20	325.60	1,292.0	2.0	2.6	1,915,723.81	2,710,557.12	36.264886	-107.875872
1,354.0	0.60	320.60	1,354.0	2.4	2.3	1,915,724.15	2,710,556.85	36.264887	-107.875872
1,415.0	0.30	279.60	1,415.0	2.7	2.0	1,915,724.43	2,710,556.49	36.264887	-107.875874
1,475.0	0.40	284.50	1,475.0	2.7	1.6	1,915,724.50	2,710,556.13	36.264888	-107.875875
1,538.0	0.70	259.20	1,538.0	2.7	1.0	1,915,724.49	2,710,555.54	36.264888	-107.875877
1,601.0	0.80	238.00	1,601.0	2.4	0.3	1,915,724.18	2,710,554.79	36.264887	-107.875879
1,664.0	1.00	251.20	1,663.9	2.0	-0.6	1,915,723.77	2,710,553.90	36.264886	-107.875882
1,728.0	0.90	258.30	1,727.9	1.7	-1.7	1,915,723.49	2,710,552.88	36.264885	-107.875886
1,791.0	0.70	228.60	1,790.9	1.4	-2.4	1,915,723.14	2,710,552.10	36.264884	-107.875889
1,854.0	0.90	187.60	1,853.9	0.6	-2.8	1,915,722.39	2,710,551.75	36.264882	-107.875890
1,917.0	0.90	183.10	1,916.9	-0.4	-2.9	1,915,721.41	2,710,551.66	36.264879	-107.875890
1,980.0	0.90	132.10	1,979.9	-1.2	-2.5	1,915,720.58	2,710,552.00	36.264877	-107.875889
2,043.0	1.50	103.80	2,042.9	-1.7	-1.4	1,915,720.05	2,710,553.17	36.264875	-107.875885
2,106.0	1.50	111.40	2,105.9	-2.2	0.2	1,915,719.55	2,710,554.73	36.264874	-107.875880
2,169.0	1.00	110.90	2,168.9	-2.7	1.5	1,915,719.06	2,710,556.01	36.264873	-107.875875
2,232.0	0.50	78.50	2,231.9	-2.9	2.3	1,915,718.91	2,710,556.80	36.264872	-107.875873
2,295.0	0.40	69.40	2,294.9	-2.7	2.7	1,915,719.05	2,710,557.27	36.264873	-107.875871
2,358.0	0.20	68.30	2,357.9	-2.6	3.0	1,915,719.16	2,710,557.58	36.264873	-107.875870
2,421.0	0.30	67.50	2,420.9	-2.5	3.3	1,915,719.27	2,710,557.84	36.264873	-107.875869
2,483.0	0.20	78.30	2,482.9	-2.4	3.6	1,915,719.35	2,710,558.09	36.264873	-107.875868
2,546.0	0.40	91.30	2,545.9	-2.4	3.9	1,915,719.37	2,710,558.42	36.264874	-107.875867
2,609.0	0.10	311.80	2,608.9	-2.4	4.1	1,915,719.40	2,710,558.60	36.264874	-107.875867
2,672.0	0.30	247.90	2,671.9	-2.4	3.9	1,915,719.38	2,710,558.40	36.264874	-107.875867
2,735.0	0.40	227.10	2,734.9	-2.6	3.6	1,915,719.16	2,710,558.09	36.264873	-107.875868
2,798.0	0.30	150.20	2,797.8	-2.9	3.5	1,915,718.87	2,710,558.01	36.264872	-107.875868
2,861.0	0.20	171.90	2,860.8	-3.1	3.6	1,915,718.62	2,710,558.11	36.264871	-107.875868
2,924.0	0.30	195.10	2,923.8	-3.4	3.5	1,915,718.35	2,710,558.08	36.264871	-107.875868
2,986.0	0.30	143.00	2,985.8	-3.7	3.6	1,915,718.06	2,710,558.14	36.264870	-107.875868
3,049.0	0.10	337.50	3,048.8	-3.8	3.7	1,915,717.98	2,710,558.21	36.264870	-107.875868
3,113.0	0.10	48.60	3,112.8	-3.7	3.7	1,915,718.07	2,710,558.23	36.264870	-107.875868
3,176.0	0.10	305.90	3,175.8	-3.6	3.7	1,915,718.14	2,710,558.23	36.264870	-107.875868
3,239.0	0.10	184.30	3,238.8	-3.6	3.6	1,915,718.12	2,710,558.18	36.264870	-107.875868
3,302.0	0.30	154.60	3,301.8	-3.9	3.7	1,915,717.91	2,710,558.25	36.264870	-107.875868
3,365.0	0.40	266.50	3,364.8	-4.0	3.6	1,915,717.75	2,710,558.10	36.264869	-107.875868
3,428.0	0.90	293.20	3,427.8	-3.8	2.9	1,915,717.93	2,710,557.43	36.264870	-107.875870
3,491.0	0.80	295.40	3,490.8	-3.4	2.0	1,915,718.32	2,710,556.57	36.264871	-107.875873
3,554.0	0.80	299.90	3,553.8	-3.0	1.3	1,915,718.73	2,710,555.80	36.264872	-107.875876
3,617.0	0.80	289.80	3,616.8	-2.7	0.5	1,915,719.09	2,710,555.00	36.264873	-107.875879
3,680.0	0.90	277.50	3,679.8	-2.5	-0.4	1,915,719.31	2,710,554.10	36.264873	-107.875882
3,743.0	0.90	281.20	3,742.8	-2.3	-1.4	1,915,719.47	2,710,553.12	36.264874	-107.875885
3,806.0	1.10	290.10	3,805.8	-2.0	-2.5	1,915,719.77	2,710,552.07	36.264875	-107.875889
3,869.0	1.10	283.40	3,868.8	-1.6	-3.6	1,915,720.12	2,710,550.91	36.264876	-107.875893
3,932.0	0.80	268.80	3,931.8	-1.5	-4.7	1,915,720.25	2,710,549.88	36.264876	-107.875896
3,996.0	0.90	246.20	3,995.8	-1.7	-5.6	1,915,720.04	2,710,548.98	36.264875	-107.875899
4,027.0	0.80	237.10	4,026.8	-1.9	-6.0	1,915,719.83	2,710,548.57	36.264875	-107.875901
4,046.0	0.90	254.10	4,045.8	-2.1	-6.2	1,915,719.71	2,710,548.32	36.264874	-107.875901
4,077.0	1.60	265.50	4,076.8	-2.2	-6.9	1,915,719.61	2,710,547.65	36.264874	-107.875904
4,109.0	5.20	268.10	4,108.7	-2.2	-8.8	1,915,719.53	2,710,545.76	36.264874	-107.875910
4,140.0	9.10	266.80	4,139.5	-2.4	-12.6	1,915,719.35	2,710,541.90	36.264873	-107.875923
4,172.0	13.20	264.00	4,170.8	-2.9	-18.8	1,915,718.83	2,710,535.74	36.264872	-107.875944
4,203.0	16.80	265.60	4,200.8	-3.7	-26.8	1,915,718.12	2,710,527.75	36.264870	-107.875971
4,235.0	19.40	267.00	4,231.2	-4.3	-36.7	1,915,717.49	2,710,517.83	36.264868	-107.876005
4,267.0	21.80	268.30	4,261.1	-4.7	-48.0	1,915,717.04	2,710,506.58	36.264867	-107.876043
4,298.0	24.30	267.70	4,289.7	-5.2	-60.1	1,915,716.62	2,710,494.45	36.264866	-107.876084
4,330.0	26.90	267.40	4,318.5	-5.8	-73.9	1,915,716.03	2,710,480.64	36.264864	-107.876131

Cathedral Energy Services

Survey Report - Geographic

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S34-T24N-R10W (Good Times)
Well: Good Times P34-2410 01H
Wellbore: Hz
Design: FINAL

Local Co-ordinate Reference: Well Good Times P34-2410 01H
TVD Reference: KB @ 6775.0ft (Aztec 950)
MD Reference: KB @ 6775.0ft (Aztec 950)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: USA EDM 5000 Multi Users DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
4,361.0	29.40	268.30	4,345.9	-6.3	-88.5	1,915,715.49	2,710,466.03	36.264863	-107.876181
4,393.0	31.40	269.50	4,373.5	-6.6	-104.7	1,915,715.20	2,710,449.84	36.264862	-107.876235
4,424.0	34.30	269.90	4,399.5	-6.7	-121.5	1,915,715.12	2,710,433.02	36.264862	-107.876292
4,455.0	35.60	268.50	4,424.9	-7.0	-139.3	1,915,714.87	2,710,415.27	36.264861	-107.876353
4,487.0	38.10	269.30	4,450.5	-7.3	-158.5	1,915,714.52	2,710,396.08	36.264860	-107.876418
4,518.0	40.70	271.00	4,474.5	-7.3	-178.1	1,915,714.59	2,710,376.41	36.264860	-107.876485
4,550.0	43.80	271.80	4,498.1	-6.7	-199.6	1,915,715.13	2,710,354.90	36.264862	-107.876557
4,581.0	46.60	272.10	4,520.0	-6.0	-221.6	1,915,715.88	2,710,332.92	36.264864	-107.876632
4,613.0	49.90	271.90	4,541.3	-5.1	-245.5	1,915,716.73	2,710,309.07	36.264866	-107.876713
4,644.0	53.40	271.70	4,560.5	-4.4	-269.8	1,915,717.50	2,710,284.77	36.264868	-107.876795
4,676.0	57.30	270.70	4,578.7	-3.8	-296.1	1,915,718.06	2,710,258.46	36.264870	-107.876885
4,707.0	60.90	269.70	4,594.6	-3.8	-322.7	1,915,718.16	2,710,231.86	36.264870	-107.876975
4,739.0	64.90	269.00	4,609.2	-4.1	-351.2	1,915,717.84	2,710,203.38	36.264869	-107.877071
4,770.0	69.00	269.20	4,621.3	-4.5	-379.7	1,915,717.41	2,710,174.87	36.264868	-107.877168
4,802.0	72.80	269.00	4,631.8	-5.0	-409.9	1,915,716.95	2,710,144.64	36.264866	-107.877271
4,834.0	75.80	269.20	4,640.5	-5.5	-440.7	1,915,716.48	2,710,113.84	36.264865	-107.877375
4,863.0	79.10	269.80	4,646.8	-5.7	-469.0	1,915,716.24	2,710,085.54	36.264864	-107.877471
4,897.0	82.50	267.80	4,652.2	-6.4	-502.6	1,915,715.55	2,710,051.98	36.264862	-107.877585
4,928.0	85.70	268.60	4,655.4	-7.4	-533.4	1,915,714.60	2,710,021.16	36.264860	-107.877690
4,960.0	87.80	269.20	4,657.2	-8.0	-565.3	1,915,714.00	2,709,989.22	36.264858	-107.877798
4,991.0	89.90	269.90	4,657.8	-8.3	-596.3	1,915,713.77	2,709,958.24	36.264857	-107.877903
5,054.0	88.70	269.50	4,658.6	-8.6	-659.3	1,915,713.47	2,709,895.25	36.264856	-107.878117
5,117.0	88.20	268.70	4,660.3	-9.6	-722.3	1,915,712.51	2,709,832.28	36.264854	-107.878330
5,180.0	89.30	269.20	4,661.7	-10.7	-785.2	1,915,711.38	2,709,769.30	36.264851	-107.878544
5,243.0	90.00	270.10	4,662.1	-11.1	-848.2	1,915,711.02	2,709,706.31	36.264850	-107.878758
5,305.0	90.00	270.20	4,662.1	-11.0	-910.2	1,915,711.21	2,709,644.31	36.264850	-107.878968
5,368.0	89.80	270.70	4,662.2	-10.5	-973.2	1,915,711.73	2,709,581.31	36.264851	-107.879182
5,431.0	91.00	271.00	4,661.7	-9.5	-1,036.2	1,915,712.70	2,709,518.32	36.264854	-107.879395
5,494.0	89.70	270.30	4,661.3	-8.8	-1,099.2	1,915,713.44	2,709,455.33	36.264856	-107.879609
5,557.0	89.90	267.90	4,661.6	-9.8	-1,162.2	1,915,712.48	2,709,392.34	36.264853	-107.879823
5,619.0	90.40	267.10	4,661.4	-12.5	-1,224.1	1,915,709.80	2,709,330.40	36.264846	-107.880033
5,682.0	91.10	269.10	4,660.6	-14.6	-1,287.1	1,915,707.74	2,709,267.44	36.264840	-107.880246
5,745.0	90.70	269.70	4,659.6	-15.3	-1,350.1	1,915,707.11	2,709,204.45	36.264838	-107.880460
5,808.0	88.30	268.70	4,660.1	-16.1	-1,413.1	1,915,706.26	2,709,141.47	36.264836	-107.880674
5,871.0	90.10	269.90	4,661.0	-16.9	-1,476.1	1,915,705.51	2,709,078.48	36.264834	-107.880887
5,934.0	90.20	269.80	4,660.9	-17.1	-1,539.1	1,915,705.38	2,709,015.48	36.264833	-107.881101
5,997.0	89.80	269.10	4,660.9	-17.7	-1,602.0	1,915,704.80	2,708,952.48	36.264831	-107.881315
6,060.0	89.10	268.50	4,661.5	-19.0	-1,665.0	1,915,703.51	2,708,889.50	36.264828	-107.881528
6,123.0	90.80	267.10	4,661.5	-21.4	-1,728.0	1,915,701.12	2,708,826.55	36.264821	-107.881742
6,185.0	90.80	268.60	4,660.6	-23.7	-1,789.9	1,915,698.82	2,708,764.60	36.264815	-107.881952
6,248.0	92.30	271.40	4,658.9	-23.7	-1,852.9	1,915,698.85	2,708,701.63	36.264815	-107.882166
6,311.0	92.00	271.30	4,656.6	-22.3	-1,915.8	1,915,700.36	2,708,638.69	36.264819	-107.882379
6,374.0	91.00	271.30	4,654.9	-20.8	-1,978.8	1,915,701.81	2,708,575.73	36.264823	-107.882593
6,436.0	90.00	271.30	4,654.4	-19.4	-2,040.8	1,915,703.25	2,708,513.75	36.264827	-107.882803
6,499.0	89.00	270.70	4,654.9	-18.3	-2,103.8	1,915,704.37	2,708,450.77	36.264830	-107.883017
6,562.0	89.40	271.90	4,655.8	-16.9	-2,166.7	1,915,705.83	2,708,387.79	36.264833	-107.883230
6,625.0	90.00	271.20	4,656.2	-15.2	-2,229.7	1,915,707.56	2,708,324.82	36.264838	-107.883444
6,688.0	88.70	268.30	4,656.9	-15.5	-2,292.7	1,915,707.32	2,708,261.83	36.264837	-107.883658
6,751.0	89.80	268.50	4,657.7	-17.2	-2,355.7	1,915,705.58	2,708,198.86	36.264833	-107.883871
6,814.0	90.00	271.40	4,657.8	-17.3	-2,418.7	1,915,705.56	2,708,135.87	36.264832	-107.884085
6,877.0	89.30	270.90	4,658.2	-16.0	-2,481.7	1,915,706.85	2,708,072.88	36.264836	-107.884298
6,940.0	89.50	270.10	4,658.8	-15.5	-2,544.6	1,915,707.43	2,708,009.89	36.264837	-107.884512
7,002.0	89.30	268.90	4,659.5	-16.0	-2,606.6	1,915,706.91	2,707,947.89	36.264836	-107.884722
7,066.0	90.40	269.00	4,659.7	-17.2	-2,670.6	1,915,705.77	2,707,883.91	36.264833	-107.884940
7,129.0	92.00	269.90	4,658.3	-17.8	-2,733.6	1,915,705.19	2,707,820.92	36.264831	-107.885153

Cathedral Energy Services

Survey Report - Geographic

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times P34-2410 01H
Project:	San Juan County, NM	TVD Reference:	KB @ 6775.0ft (Aztec 950)
Site:	S34-T24N-R10W (Good Times)	MD Reference:	KB @ 6775.0ft (Aztec 950)
Well:	Good Times P34-2410 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)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
7,192.0	91.50	270.10	4,656.4	-17.8	-2,796.6	1,915,705.22	2,707,757.95	36.264831	-107.885367
7,255.0	90.10	269.70	4,655.5	-17.9	-2,859.6	1,915,705.14	2,707,694.96	36.264831	-107.885580
7,318.0	90.00	269.30	4,655.5	-18.4	-2,922.6	1,915,704.61	2,707,631.96	36.264829	-107.885794
7,381.0	89.60	268.80	4,655.7	-19.5	-2,985.6	1,915,703.60	2,707,568.97	36.264826	-107.886008
7,444.0	89.90	270.00	4,656.0	-20.1	-3,048.6	1,915,702.97	2,707,505.98	36.264824	-107.886222
7,507.0	89.80	269.60	4,656.1	-20.4	-3,111.6	1,915,702.77	2,707,442.98	36.264824	-107.886435
7,570.0	89.90	268.20	4,656.3	-21.6	-3,174.5	1,915,701.59	2,707,379.99	36.264820	-107.886649
7,633.0	90.40	267.20	4,656.1	-24.1	-3,237.5	1,915,699.09	2,707,317.04	36.264813	-107.886862
7,696.0	90.00	268.70	4,655.9	-26.4	-3,300.4	1,915,696.87	2,707,254.08	36.264807	-107.887076
7,758.0	89.90	268.70	4,656.0	-27.8	-3,362.4	1,915,695.49	2,707,192.10	36.264803	-107.887286
7,821.0	89.60	270.20	4,656.3	-28.4	-3,425.4	1,915,694.91	2,707,129.11	36.264802	-107.887500
7,884.0	89.70	270.20	4,656.6	-28.1	-3,488.4	1,915,695.16	2,707,066.11	36.264802	-107.887714
7,947.0	91.00	271.50	4,656.3	-27.2	-3,551.4	1,915,696.12	2,707,003.12	36.264805	-107.887927
8,010.0	89.90	270.70	4,655.8	-26.0	-3,614.4	1,915,697.36	2,706,940.13	36.264808	-107.888141
8,072.0	89.30	269.60	4,656.2	-25.8	-3,676.4	1,915,697.55	2,706,878.14	36.264808	-107.888351
8,135.0	91.10	268.90	4,656.0	-26.7	-3,739.4	1,915,696.75	2,706,815.15	36.264806	-107.888565
8,198.0	91.50	269.10	4,654.5	-27.8	-3,802.4	1,915,695.68	2,706,752.17	36.264803	-107.888779
8,261.0	90.40	269.90	4,653.5	-28.3	-3,865.3	1,915,695.15	2,706,689.18	36.264802	-107.888992
8,323.0	88.80	268.70	4,653.9	-29.1	-3,927.3	1,915,694.42	2,706,627.19	36.264799	-107.889202
8,386.0	89.00	268.70	4,655.1	-30.5	-3,990.3	1,915,693.02	2,706,564.22	36.264796	-107.889416
8,449.0	90.60	269.30	4,655.4	-31.6	-4,053.3	1,915,691.95	2,706,501.23	36.264793	-107.889630
8,512.0	89.60	270.30	4,655.2	-31.8	-4,116.3	1,915,691.76	2,706,438.23	36.264792	-107.889843
8,574.0	89.80	269.40	4,655.6	-32.0	-4,178.3	1,915,691.62	2,706,376.23	36.264791	-107.890054
8,637.0	89.70	269.00	4,655.8	-32.9	-4,241.3	1,915,690.77	2,706,313.24	36.264789	-107.890267
8,700.0	89.70	269.20	4,656.2	-33.8	-4,304.3	1,915,689.81	2,706,250.25	36.264786	-107.890481
8,763.0	90.60	270.30	4,656.0	-34.1	-4,367.3	1,915,689.56	2,706,187.25	36.264785	-107.890695
8,826.0	90.50	269.10	4,655.4	-34.5	-4,430.3	1,915,689.26	2,706,124.26	36.264785	-107.890909
8,889.0	89.60	270.50	4,655.4	-34.7	-4,493.3	1,915,689.07	2,706,061.26	36.264784	-107.891122
8,920.0	90.80	270.40	4,655.2	-34.4	-4,524.3	1,915,689.33	2,706,030.26	36.264785	-107.891227
Last Cathedral Survey @ 8,920' MD									
8,965.0	90.80	270.40	4,654.6	-34.1	-4,569.3	1,915,689.66	2,705,985.27	36.264785	-107.891380
Projection to Bit @ 8,965'									

Design Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
Good Times P34-2410 0	0.00	0.00	4,662.9	-32.4	-4,584.1	1,915,691.39	2,705,970.45	36.264790	-107.891430
- actual wellpath misses target center by 17.1ft at 8965.0ft MD (4654.6 TVD, -34.1 N, -4569.3 E)									
- Point									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
8,920.0	4,655.2	-34.4	-4,524.3	Last Cathedral Survey @ 8,920' MD
8,965.0	4,654.6	-34.1	-4,569.3	Projection to Bit @ 8,965'

Checked By: _____	Approved By: _____	Date: _____
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