

OIL CONS. DIV DIST. 3

AUG 12 2014

CONFIDENTIAL

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 80210
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

*API Number 30-045-35476		*Pool Code 97232/5860		*Pool Name Basin Mancos/South Bisti-Gallup	
*Property Code 39985		*Property Name GOOD TIMES P3G-2410			*Well Number 01H
*OBRTU No. 282327		*Operator Name ENCANA OIL & GAS (USA) INC.			*Elevation 6874'

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
1	36	24N	10W		1341	SOUTH	255	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

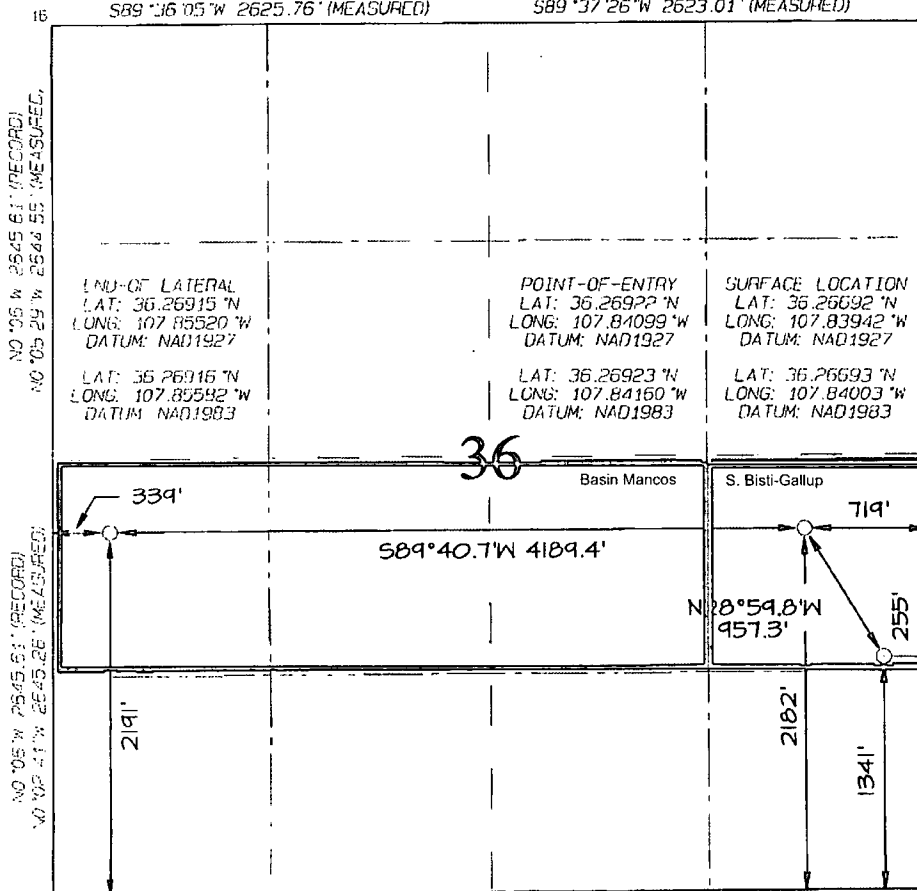
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	36	24N	10W		2191	SOUTH	339	WEST	SAN JUAN

*Dedicated Acres	160 acres - N252 Sec 36 Basin Mancos (N2SW, NWSE, 120 ac.) S. Bisti-Gallup (NESE, 40ac.)	*Joint or Infill	*Consolidation Code	*Order No.
------------------	--	------------------	---------------------	------------

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

S89°37'W 2624.16' (RECORD)
S89°36'05"W 2625.76' (MEASURED)

S89°37'W 2624.16' (RECORD)
S89°37'26"W 2623.01' (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 working interest or to a voluntary mineral agreement or a commitment to drill under a settlement entered into by the organization.

Signature: Brenda R. Linster
Date: 08/04/14
Printed Name: Brenda Linster
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: JUNE 12, 2014
Date of Survey: AUGUST 20, 2012

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number: 15269

DEVIATION SURVEYS
Good Times P36-2410 01H
API: 30-045-35476

CONFIDENTIAL

MD (Feet)	Inclination (Degree)
714	1.60
1029	0.50
1344	0.80
1659	1.20
1974	0.90
2289	1.60
2605	1.60
2889	6.10
3204	12.40
3520	18.60
3834	23.90

OPERATOR CERTIFICATION

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

Cristi Bauer

Cristi Bauer, Operations Technologist

8/14/14

Date

ACKNOWLEDGMENT

State of Colorado
City and County of Denver

This instrument was acknowledged before me on this 14th day of August, 2014 by Cristi Bauer as Attorney in Fact of Encana Oil & Gas (USA) Inc., on behalf of said corporation.

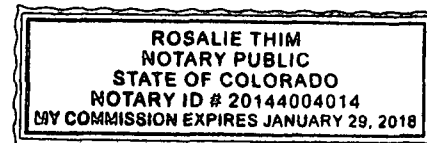
In witness whereof, I hereunto set my hand and official seal.

Notary Public:

Rosalie Thim

My Commission Expires:

1/29/18

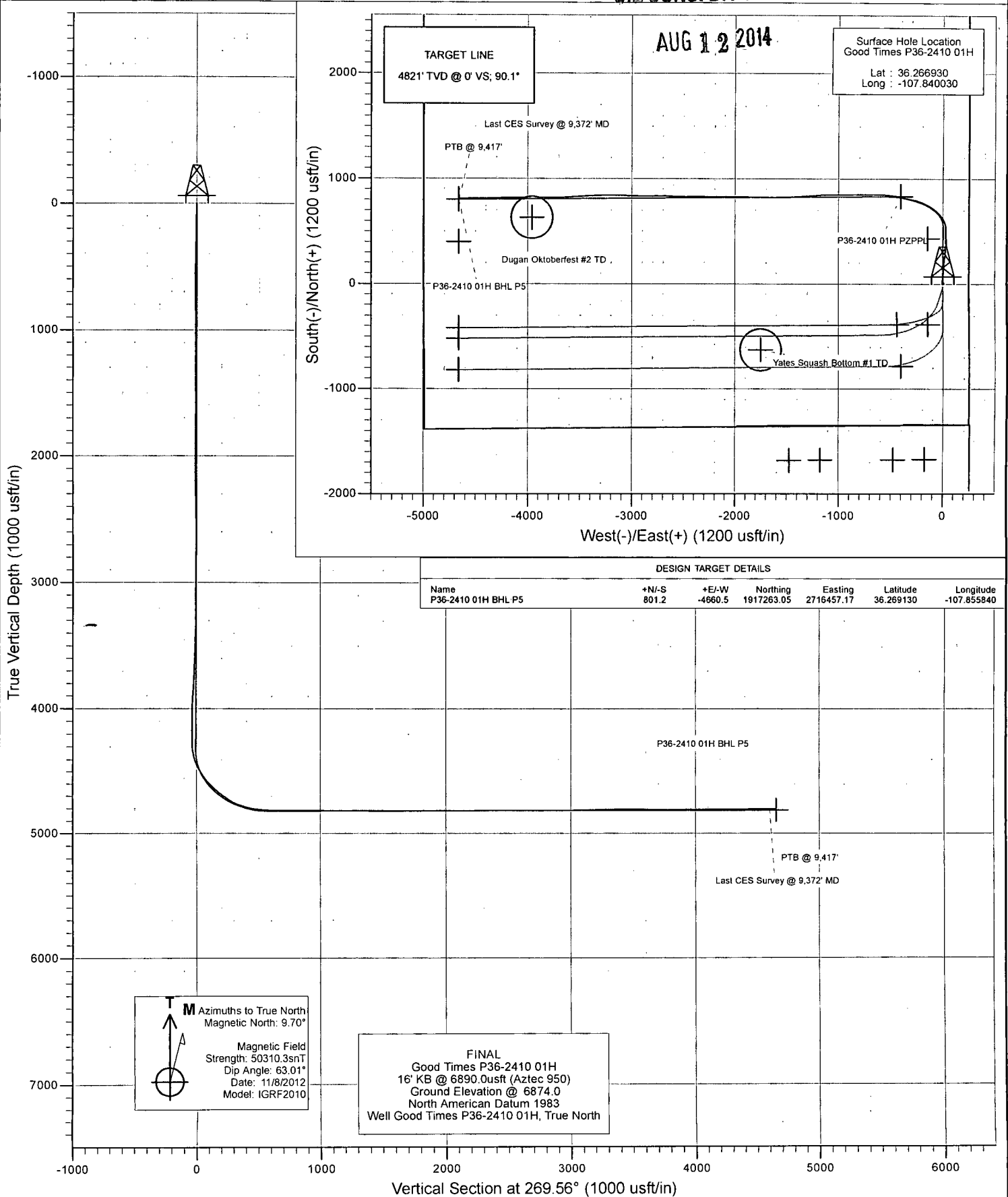




Project: San Juan County, NM
 Site: S36-T24N-R10W (Good Times)
 Well: Good Times P36-2410 01H
 Wellbore: HZ
 Design: FINAL

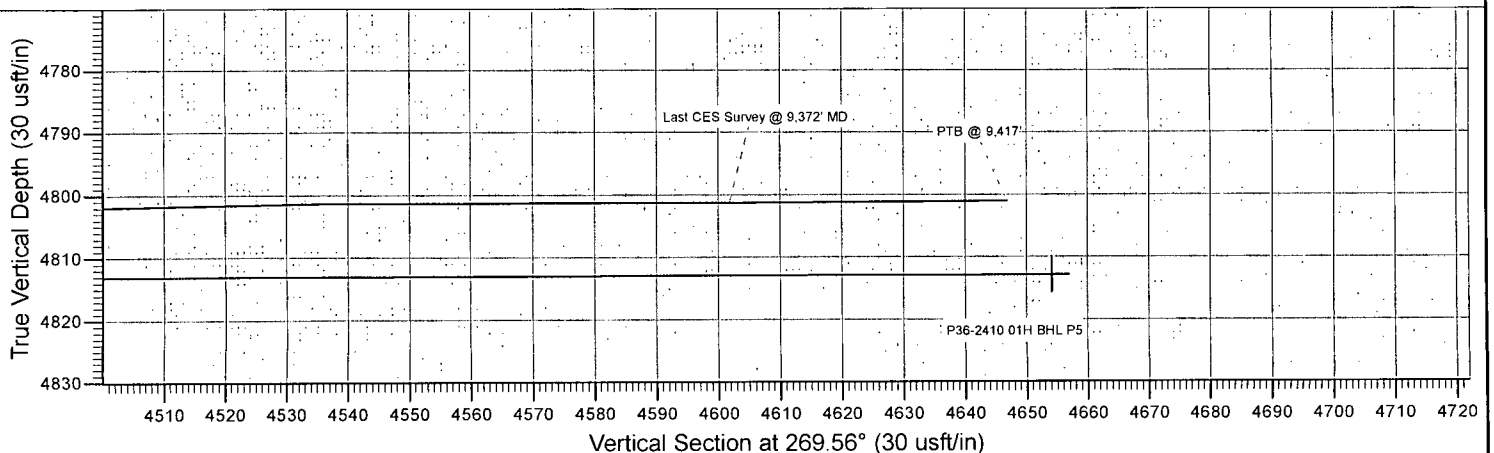
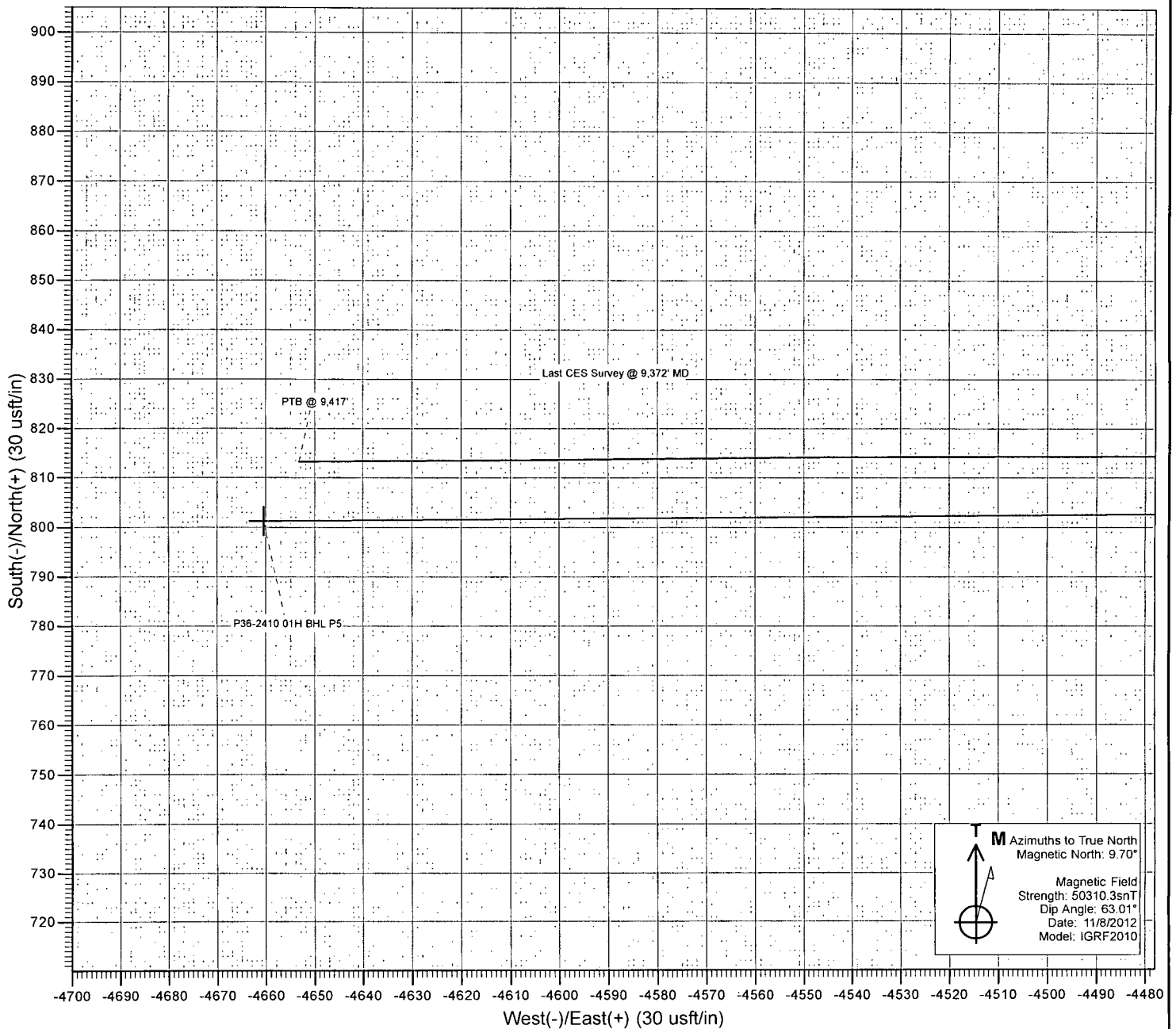


OIL CONS. DIV DIST. 3





Project: San Juan County, NM
Site: S36-T24N-R10W (Good Times)
Well: Good Times P36-2410 01H
Wellbore: HZ
Design: FINAL



Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times P36-2410 01H
Project:	San Juan County, NM	TVD Reference:	16' KB @ 6890.0usft (Aztec 950)
Site:	S36-T24N-R10W (Good Times)	MD Reference:	16' KB @ 6890.0usft (Aztec 950)
Well:	Good Times P36-2410 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	S36-T24N-R10W (Good Times)		
Site Position:		Northing:	1,937,827.53 usft
From:	Lat/Long	Easting:	2,706,096.15 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	36.325610
		Longitude:	-107.891030
		Grid Convergence:	-0.03 °

Well	Good Times P36-2410 01H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	36.266930
		Longitude:	-107.840030
		Ground Level:	6,874.0 usft

Wellbore	HZ		
Magnetics	Model Name	Sample Date	Declination
	IGRF2010	11/8/2012	(°)
			9.70
		Dip Angle	(°)
		63.01	
		Field Strength	(nT)
		50,310	

Design	FINAL		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
		Direction	(°)
		269.56	

Survey Program	Date 5/21/2014		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
525.0	9,417.0	Survey #1 (HZ)	Geolink MWD
			Description
			Geolink MWD

Survey									
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Formations /
Depth	(°)	(°)	Depth	(usft)	(usft)	Section	Rate	Rate	Comments
(usft)			(usft)			(usft)	(°/100usf	(°/100u	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
525.0	2.40	41.30	524.8	8.3	7.3	-7.3	0.46	0.46	
588.0	1.00	15.10	587.8	9.8	8.3	-8.3	2.49	-2.22	
651.0	1.10	258.00	650.8	10.2	7.8	-7.9	2.84	0.16	
714.0	1.60	252.40	713.8	9.8	6.4	-6.5	0.82	0.79	
777.0	0.80	205.90	776.8	9.1	5.4	-5.4	1.90	-1.27	
840.0	0.80	167.60	839.8	8.3	5.3	-5.3	0.83	0.00	
903.0	0.80	171.50	902.8	7.4	5.4	-5.5	0.09	0.00	
966.0	0.60	179.30	965.8	6.7	5.5	-5.5	0.35	-0.32	
1,029.0	0.50	173.60	1,028.8	6.1	5.5	-5.6	0.18	-0.16	
1,092.0	0.80	172.50	1,091.8	5.4	5.6	-5.7	0.48	0.48	
1,155.0	1.10	177.30	1,154.7	4.3	5.7	-5.7	0.49	0.48	
1,218.0	1.00	189.70	1,217.7	3.2	5.6	-5.7	0.39	-0.16	

Cathedral Energy Services

Survey Report

Company: EnCana Oil & Gas (USA) Inc
 Project: San Juan County, NM
 Site: S36-T24N-R10W (Good Times)
 Well: Good Times P36-2410 01H
 Wellbore: HZ
 Design: FINAL

Local Co-ordinate Reference: Well Good Times P36-2410 01H
 TVD Reference: 16' KB @ 6890.0usft (Aztec 950)
 MD Reference: 16' KB @ 6890.0usft (Aztec 950)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: USA EDM 5000 Multi Users DB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100u)	Formations / Comments
1,281.0	0.50	355.10	1,280.7	2.9	5.5	-5.5	2.36	-0.79	
1,344.0	0.80	6.40	1,343.7	3.6	5.5	-5.6	0.52	0.48	
1,408.0	0.80	352.10	1,407.7	4.5	5.5	-5.6	0.31	0.00	
1,470.0	1.00	348.30	1,469.7	5.5	5.4	-5.4	0.34	0.32	
1,533.0	1.60	273.20	1,532.7	6.1	4.4	-4.4	2.63	0.95	
1,596.0	0.80	177.30	1,595.7	5.7	3.5	-3.6	2.95	-1.27	
1,659.0	1.20	137.90	1,658.7	4.7	4.0	-4.0	1.23	0.63	
1,722.0	0.90	154.40	1,721.7	3.8	4.6	-4.7	0.67	-0.48	
1,786.0	1.10	144.20	1,785.7	2.8	5.2	-5.2	0.42	0.31	
1,848.0	1.30	156.20	1,847.7	1.7	5.8	-5.9	0.52	0.32	
1,912.0	0.40	67.30	1,911.6	1.1	6.3	-6.4	2.11	-1.41	
1,974.0	0.90	15.80	1,973.6	1.7	6.7	-6.7	1.17	0.81	
2,037.0	0.80	35.00	2,036.6	2.5	7.1	-7.1	0.48	-0.16	
2,100.0	0.70	19.90	2,099.6	3.3	7.4	-7.5	0.35	-0.16	
2,163.0	0.90	16.80	2,162.6	4.1	7.7	-7.8	0.32	0.32	
2,226.0	1.40	258.60	2,225.6	4.4	7.1	-7.1	3.16	0.79	
2,289.0	1.60	266.10	2,288.6	4.2	5.5	-5.5	0.44	0.32	
2,352.0	1.60	268.50	2,351.6	4.1	3.7	-3.8	0.11	0.00	
2,416.0	1.70	268.00	2,415.5	4.1	1.9	-1.9	0.16	0.16	
2,479.0	1.80	263.30	2,478.5	3.9	0.0	0.0	0.28	0.16	
2,542.0	0.60	290.30	2,541.5	3.9	-1.3	1.3	2.05	-1.90	
2,605.0	1.60	358.00	2,604.5	4.9	-1.7	1.6	2.35	1.59	
2,668.0	2.80	8.00	2,667.4	7.3	-1.5	1.4	1.99	1.90	
2,731.0	3.00	5.90	2,730.4	10.5	-1.1	1.0	0.36	0.32	
2,763.0	2.90	8.70	2,762.3	12.1	-0.9	0.8	0.55	-0.31	
2,826.0	3.80	3.40	2,825.2	15.8	-0.5	0.4	1.51	1.43	
2,889.0	6.10	5.30	2,888.0	21.2	-0.1	-0.1	3.66	3.65	
2,952.0	7.70	3.50	2,950.5	28.7	0.5	-0.7	2.56	2.54	
3,015.0	8.80	4.40	3,012.9	37.7	1.1	-1.4	1.76	1.75	
3,078.0	9.90	2.90	3,075.0	48.0	1.7	-2.1	1.79	1.75	
3,141.0	12.00	0.60	3,136.9	59.9	2.1	-2.5	3.40	3.33	
3,204.0	12.40	0.10	3,198.4	73.2	2.2	-2.7	0.66	0.63	
3,267.0	13.50	0.50	3,259.8	87.4	2.2	-2.9	1.75	1.75	
3,331.0	15.20	2.50	3,321.8	103.2	2.7	-3.5	2.77	2.66	
3,394.0	16.10	5.70	3,382.5	120.1	3.9	-4.8	1.98	1.43	
3,457.0	17.30	5.30	3,442.8	138.2	5.6	-6.7	1.91	1.90	
3,520.0	18.60	5.30	3,502.8	157.5	7.4	-8.6	2.06	2.06	
3,583.0	19.80	4.70	3,562.3	178.1	9.2	-10.6	1.93	1.90	
3,646.0	20.10	4.00	3,621.5	199.6	10.9	-12.4	0.61	0.48	
3,709.0	20.70	4.70	3,680.5	221.5	12.5	-14.2	1.03	0.95	
3,771.0	20.80	5.80	3,738.5	243.3	14.5	-16.4	0.65	0.16	
3,834.0	23.90	7.20	3,796.8	267.1	17.3	-19.3	4.99	4.92	
3,897.0	25.70	9.00	3,854.0	293.3	21.0	-23.3	3.10	2.86	
3,960.0	27.40	7.90	3,910.3	321.1	25.1	-27.6	2.81	2.70	
4,023.0	28.20	6.00	3,966.1	350.3	28.7	-31.4	1.89	1.27	
4,086.0	29.10	0.70	4,021.3	380.4	30.4	-33.3	4.28	1.43	
4,148.0	30.20	359.20	4,075.2	411.1	30.4	-33.5	2.14	1.77	
4,211.0	28.20	359.10	4,130.2	441.8	29.9	-33.3	3.18	-3.17	
4,274.0	29.80	359.00	4,185.3	472.4	29.4	-33.1	2.54	2.54	
4,338.0	30.50	358.70	4,240.7	504.5	28.8	-32.7	1.12	1.09	
4,369.0	30.20	358.40	4,267.4	520.2	28.4	-32.4	1.08	-0.97	
4,401.0	30.80	357.30	4,295.0	536.4	27.8	-31.9	2.56	1.88	
4,432.0	32.90	350.10	4,321.3	552.6	26.0	-30.2	13.99	6.77	

Cathedral Energy Services

Survey Report

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S36-T24N-R10W (Good Times)
Well: Good Times P36-2410 01H
Wellbore: HZ
Design: FINAL

Local Co-ordinate Reference: Well Good Times P36-2410 01H
TVD Reference: 16' KB @ 6890.0usft (Aztec 950)
MD Reference: 16' KB @ 6890.0usft (Aztec 950)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: USA EDM 5000 Multi Users DB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100u)	Formations / Comments
4,463.0	35.10	344.40	4,347.0	569.5	22.1	-26.5	12.49	7.10	
4,495.0	35.70	339.60	4,373.1	587.1	16.4	-20.9	8.89	1.88	
4,527.0	36.70	335.20	4,398.9	604.6	9.1	-13.8	8.70	3.13	
4,558.0	37.40	329.60	4,423.7	621.1	0.5	-5.2	11.11	2.26	
4,590.0	38.30	324.50	4,449.0	637.6	-10.2	5.3	10.17	2.81	
4,621.0	39.40	319.80	4,473.1	652.9	-22.2	17.1	10.15	3.55	
4,653.0	39.60	316.00	4,497.8	668.0	-35.8	30.7	7.58	0.63	
4,684.0	41.30	313.50	4,521.4	682.1	-50.1	44.8	7.58	5.48	
4,716.0	43.30	311.10	4,545.1	696.6	-66.0	60.7	8.03	6.25	
4,747.0	45.30	308.80	4,567.3	710.5	-82.6	77.2	8.27	6.45	
4,779.0	46.90	305.00	4,589.5	724.4	-101.0	95.5	9.91	5.00	
4,810.0	48.80	301.20	4,610.3	736.9	-120.3	114.6	10.96	6.13	
4,842.0	50.70	298.90	4,630.9	749.1	-141.4	135.7	8.08	5.94	
4,874.0	51.60	296.00	4,651.0	760.6	-163.6	157.7	7.60	2.81	
4,905.0	51.80	291.70	4,670.2	770.4	-185.8	179.9	10.90	0.65	
4,937.0	53.80	289.30	4,689.6	779.3	-209.7	203.7	8.64	6.25	
4,968.0	56.10	287.20	4,707.4	787.3	-233.8	227.7	9.26	7.42	
5,000.0	58.40	285.80	4,724.7	794.9	-259.6	253.5	8.07	7.19	
5,031.0	61.00	284.50	4,740.3	801.9	-285.4	279.2	9.13	8.39	
5,063.0	64.70	283.00	4,754.9	808.7	-313.1	306.8	12.29	11.56	
5,094.0	68.90	281.80	4,767.1	814.8	-340.9	334.6	14.01	13.55	
5,126.0	71.70	281.30	4,777.9	820.8	-370.4	364.1	8.87	8.75	
5,157.0	74.50	280.80	4,786.9	826.5	-399.5	393.2	9.16	9.03	
5,189.0	77.00	279.70	4,794.8	832.0	-430.0	423.6	8.49	7.81	
5,220.0	79.60	278.00	4,801.1	836.7	-460.0	453.6	9.96	8.39	
5,251.0	82.00	276.40	4,806.1	840.5	-490.4	483.9	9.27	7.74	
5,278.0	84.00	276.40	4,809.4	843.5	-517.0	510.5	7.41	7.41	
5,309.0	85.90	274.30	4,812.1	846.4	-547.7	541.2	9.12	6.13	
5,341.0	87.50	272.10	4,813.9	848.2	-579.6	573.1	8.49	5.00	
5,372.0	88.20	272.10	4,815.1	849.3	-610.6	604.0	2.26	2.26	
5,403.0	88.60	270.00	4,816.0	849.9	-641.6	635.0	6.89	1.29	
5,467.0	90.40	270.10	4,816.5	849.9	-705.6	699.0	2.82	2.81	
5,530.0	88.90	269.00	4,816.9	849.4	-768.6	762.0	2.95	-2.38	
5,592.0	90.80	269.30	4,817.1	848.5	-830.5	824.0	3.10	3.06	
5,655.0	88.70	268.70	4,817.3	847.4	-893.5	887.0	3.47	-3.33	
5,718.0	90.70	270.90	4,817.7	847.2	-956.5	950.0	4.72	3.17	
5,781.0	89.00	270.20	4,817.8	847.8	-1,019.5	1,013.0	2.92	-2.70	
5,844.0	90.40	269.00	4,818.2	847.4	-1,082.5	1,076.0	2.93	2.22	
5,907.0	89.30	268.20	4,818.3	845.8	-1,145.5	1,139.0	2.16	-1.75	
5,970.0	90.80	267.60	4,818.3	843.5	-1,208.4	1,201.9	2.56	2.38	
6,033.0	88.60	264.20	4,818.6	839.0	-1,271.3	1,264.8	6.43	-3.49	
6,096.0	88.60	264.20	4,820.1	832.6	-1,333.9	1,327.5	0.00	0.00	
6,160.0	88.70	266.20	4,821.6	827.3	-1,397.7	1,391.3	3.13	0.16	
6,223.0	89.00	268.20	4,822.9	824.2	-1,460.6	1,454.2	3.21	0.48	
6,285.0	90.00	269.20	4,823.4	822.8	-1,522.6	1,516.2	2.28	1.61	
6,348.0	90.60	268.80	4,823.1	821.7	-1,585.6	1,579.2	1.14	0.95	
6,411.0	91.90	271.60	4,821.7	821.9	-1,648.5	1,642.2	4.90	2.06	
6,474.0	91.30	271.20	4,820.0	823.5	-1,711.5	1,705.1	1.14	-0.95	
6,537.0	91.00	271.40	4,818.7	824.9	-1,774.5	1,768.1	0.57	-0.48	
6,600.0	89.80	270.60	4,818.3	826.0	-1,837.5	1,831.1	2.29	-1.90	
6,663.0	90.90	270.40	4,817.9	826.5	-1,900.5	1,894.0	1.77	1.75	
6,726.0	89.40	270.10	4,817.7	826.8	-1,963.4	1,957.0	2.43	-2.38	
6,789.0	90.50	271.20	4,817.8	827.5	-2,026.4	2,020.0	2.47	1.75	

Cathedral Energy Services

Survey Report

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S36-T24N-R10W (Good Times)
Well: Good Times P36-2410 01H
Wellbore: HZ
Design: FINAL

Local Co-ordinate Reference: Well Good Times P36-2410 01H
TVD Reference: 16' KB @ 6890.0usft (Aztec 950)
MD Reference: 16' KB @ 6890.0usft (Aztec 950)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: USA EDM 5000 Multi Users DB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usf)	Build Rate (°/100u)	Formations / Comments
6,852.0	89.00	270.30	4,818.1	828.4	-2,089.4	2,083.0	2.78	-2.38	
6,915.0	90.60	270.80	4,818.3	829.0	-2,152.4	2,146.0	2.66	2.54	
6,978.0	89.20	268.50	4,818.4	828.6	-2,215.4	2,209.0	4.27	-2.22	
7,041.0	91.60	270.60	4,818.0	828.1	-2,278.4	2,272.0	5.06	3.81	
7,104.0	91.30	270.20	4,816.4	828.5	-2,341.4	2,335.0	0.79	-0.48	
7,165.0	90.70	271.00	4,815.3	829.2	-2,402.4	2,395.9	1.64	-0.98	
7,228.0	89.80	270.50	4,815.0	830.0	-2,465.4	2,458.9	1.63	-1.43	
7,291.0	89.20	271.10	4,815.6	830.9	-2,528.4	2,521.9	1.35	-0.95	
7,354.0	89.30	270.50	4,816.4	831.7	-2,591.3	2,584.9	0.97	0.16	
7,417.0	90.10	272.10	4,816.7	833.2	-2,654.3	2,647.8	2.84	1.27	
7,480.0	90.40	270.70	4,816.4	834.7	-2,717.3	2,710.8	2.27	0.48	
7,544.0	90.50	268.10	4,815.9	834.0	-2,781.3	2,774.8	4.07	0.16	
7,607.0	89.70	269.90	4,815.8	832.9	-2,844.3	2,837.8	3.13	-1.27	
7,670.0	90.50	272.00	4,815.7	834.0	-2,907.3	2,900.8	3.57	1.27	
7,732.0	90.60	271.50	4,815.1	835.9	-2,969.2	2,962.7	0.82	0.16	
7,795.0	89.90	272.50	4,814.9	838.1	-3,032.2	3,025.7	1.94	-1.11	
7,859.0	92.10	271.70	4,813.7	840.4	-3,096.1	3,089.6	3.66	3.44	
7,921.0	91.80	270.10	4,811.6	841.4	-3,158.1	3,151.5	2.62	-0.48	
7,984.0	91.50	269.70	4,809.8	841.3	-3,221.1	3,214.5	0.79	-0.48	
8,047.0	92.20	269.20	4,807.8	840.7	-3,284.0	3,277.5	1.37	1.11	
8,110.0	91.60	268.50	4,805.7	839.4	-3,347.0	3,340.4	1.46	-0.95	
8,173.0	90.50	266.70	4,804.5	836.8	-3,409.9	3,403.4	3.35	-1.75	
8,236.0	91.10	266.60	4,803.7	833.1	-3,472.8	3,466.3	0.97	0.95	
8,299.0	89.10	265.20	4,803.5	828.6	-3,535.6	3,529.2	3.87	-3.17	
8,362.0	87.90	266.80	4,805.2	824.2	-3,598.5	3,592.0	3.17	-1.90	
8,425.0	88.00	269.30	4,807.5	822.1	-3,661.4	3,655.0	3.97	0.16	
8,488.0	89.40	269.90	4,808.9	821.6	-3,724.4	3,717.9	2.42	2.22	
8,551.0	90.00	269.60	4,809.2	821.3	-3,787.4	3,780.9	1.06	0.95	
8,614.0	89.70	268.70	4,809.4	820.4	-3,850.4	3,843.9	1.51	-0.48	
8,677.0	90.70	270.10	4,809.2	819.7	-3,913.4	3,906.9	2.73	1.59	
8,740.0	90.60	270.00	4,808.4	819.8	-3,976.3	3,969.9	0.22	-0.16	
8,803.0	91.10	269.60	4,807.5	819.6	-4,039.3	4,032.9	1.02	0.79	
8,866.0	90.10	269.50	4,806.8	819.1	-4,102.3	4,095.9	1.60	-1.59	
8,929.0	90.50	269.40	4,806.5	818.5	-4,165.3	4,158.9	0.65	0.63	
8,992.0	90.80	269.20	4,805.8	817.7	-4,228.3	4,221.9	0.57	0.48	
9,055.0	90.50	269.80	4,805.1	817.2	-4,291.3	4,284.9	1.06	-0.48	
9,118.0	89.80	267.80	4,804.9	815.8	-4,354.3	4,347.9	3.36	-1.11	
9,182.0	91.50	269.60	4,804.2	814.4	-4,418.3	4,411.9	3.87	2.66	
9,245.0	92.00	270.40	4,802.3	814.4	-4,481.2	4,474.9	1.50	0.79	
9,307.0	89.80	269.30	4,801.3	814.2	-4,543.2	4,536.8	3.97	-3.55	
9,372.0	90.30	269.60	4,801.2	813.6	-4,608.2	4,601.8	0.90	0.77	Last CES Survey @ 9,372' MD
9,417.0	90.30	269.60	4,801.0	813.3	-4,653.2	4,646.8	0.00	0.00	PTB @ 9,417'

Cathedral Energy Services

Survey Report

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S36-T24N-R10W (Good Times)
Well: Good Times P36-2410 01H
Wellbore: HZ
Design: FINAL

Local Co-ordinate Reference: Well Good Times P36-2410 01H
TVD Reference: 16' KB @ 6890.0usft (Aztec 950)
MD Reference: 16' KB @ 6890.0usft (Aztec 950)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: USA EDM 5000 Multi Users DB

Targets

Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
P36-2410 01H BHL - actual wellpath misses target center by 188.3usft at 9417.0usft MD (4801.0 TVD, 813.3 N, -4653.2 E) - Point	0.00	359.99	4,988.7	801.2	-4,660.5	1,917,263.05	2,716,457.17	36.269130	-107.855840
P36-2410 01H PZPPL - actual wellpath misses target center by 201.9usft at 5204.7usft MD (4798.2 TVD, 834.5 N, -445.1 E) - Point	0.00	0.00	4,995.8	833.6	-403.8	1,917,295.14	2,720,713.78	36.269220	-107.841400
P36-2410 01H BHL P4 - actual wellpath misses target center by 186.3usft at 9417.0usft MD (4801.0 TVD, 813.3 N, -4653.2 E) - Point	0.00	359.99	4,986.8	801.2	-4,660.5	1,917,263.05	2,716,457.17	36.269130	-107.855840
P36-2410 01H BHL P5 - actual wellpath misses target center by 18.4usft at 9417.0usft MD (4801.0 TVD, 813.3 N, -4653.2 E) - Point	0.00	359.99	4,812.8	801.2	-4,660.5	1,917,263.05	2,716,457.17	36.269130	-107.855840

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,372.0	4,801.2	813.6	-4,608.2	Last CES Survey @ 9,372' MD
9,417.0	4,801.0	813.3	-4,653.2	PTB @ 9,417'

Checked By: _____ Approved By: _____ Date: _____

EnCana Oil & Gas (USA) Inc

San Juan County, NM

S36-T24N-R10W (Good Times)

Good Times P36-2410 01H

HZ

OIL CONS. DIV DIST. 3

AUG 12 2014

Design: FINAL

Survey Report - Geographic

21 May, 2014

Cathedral Energy Services

Survey Report - Geographic

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S36-T24N-R10W (Good Times)
Well: Good Times P36-2410 01H
Wellbore: HZ
Design: FINAL

Local Co-ordinate Reference: Well Good Times P36-2410 01H
TVD Reference: 16' KB @ 6890.0usft (Aztec 950)
MD Reference: 16' KB @ 6890.0usft (Aztec 950)
North Reference: True
Survey Calculation Method: Minimum Curvature
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	S36-T24N-R10W (Good Times)				
Site Position:		Northing:	1,937,827.53 usft	Latitude:	36.325610
From:	Lat/Long	Easting:	2,706,096.15 usft	Longitude:	-107.891030
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.03 °

Well	Good Times P36-2410 01H					
Well Position	+N/-S	0.0 usft	Northing:	1,916,461.50 usft	Latitude:	36.266930
	+E/-W	0.0 usft	Easting:	2,721,117.57 usft	Longitude:	-107.840030
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	6,874.0 usft	

Wellbore	HZ				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/8/2012	9.70	63.01	50,310

Design	FINAL				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	269.56	

Survey Program		Date	5/21/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
525.0	9,417.0	Survey #1 (HZ)	Geolink MWD	Geolink MWD	

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	1,916,461.50	2,721,117.57	36.266930	-107.840030
525.0	2.40	41.30	524.8	8.3	7.3	1,916,469.76	2,721,124.83	36.266953	-107.840006
588.0	1.00	15.10	587.8	9.8	8.3	1,916,471.28	2,721,125.85	36.266957	-107.840002
651.0	1.10	258.00	650.8	10.2	7.8	1,916,471.69	2,721,125.40	36.266958	-107.840004
714.0	1.60	252.40	713.8	9.8	6.4	1,916,471.29	2,721,123.97	36.266957	-107.840009
777.0	0.80	205.90	776.8	9.1	5.4	1,916,470.63	2,721,122.94	36.266955	-107.840012
840.0	0.80	167.60	839.8	8.3	5.3	1,916,469.81	2,721,122.84	36.266953	-107.840012
903.0	0.80	171.50	902.8	7.4	5.4	1,916,468.94	2,721,123.00	36.266951	-107.840012
966.0	0.60	179.30	965.8	6.7	5.5	1,916,468.18	2,721,123.07	36.266948	-107.840012
1,029.0	0.50	173.60	1,028.8	6.1	5.5	1,916,467.57	2,721,123.10	36.266947	-107.840012
1,092.0	0.80	172.50	1,091.8	5.4	5.6	1,916,466.87	2,721,123.19	36.266945	-107.840011
1,155.0	1.10	177.30	1,154.7	4.3	5.7	1,916,465.83	2,721,123.28	36.266942	-107.840011

Cathedral Energy Services

Survey Report - Geographic

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S36-T24N-R10W (Good Times)
Well: Good Times P36-2410 01H
Wellbore: HZ
Design: FINAL

Local Co-ordinate Reference: Well Good Times P36-2410 01H
TVD Reference: 16' KB @ 6890.0usft (Aztec 950)
MD Reference: 16' KB @ 6890.0usft (Aztec 950)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: USA EDM 5000 Multi Users DB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,218.0	1.00	189.70	1,217.7	3.2	5.6	1,916,464.68	2,721,123.21	36.266939	-107.840011
1,281.0	0.50	355.10	1,280.7	2.9	5.5	1,916,464.41	2,721,123.10	36.266938	-107.840012
1,344.0	0.80	6.40	1,343.7	3.6	5.5	1,916,465.12	2,721,123.12	36.266940	-107.840011
1,408.0	0.80	352.10	1,407.7	4.5	5.5	1,916,466.01	2,721,123.11	36.266942	-107.840011
1,470.0	1.00	348.30	1,469.7	5.5	5.4	1,916,466.97	2,721,122.94	36.266945	-107.840012
1,533.0	1.60	273.20	1,532.7	6.1	4.4	1,916,467.56	2,721,121.95	36.266947	-107.840015
1,596.0	0.80	177.30	1,595.7	5.7	3.5	1,916,467.17	2,721,121.09	36.266946	-107.840018
1,659.0	1.20	137.90	1,658.7	4.7	4.0	1,916,466.24	2,721,121.56	36.266943	-107.840017
1,722.0	0.90	154.40	1,721.7	3.8	4.6	1,916,465.30	2,721,122.21	36.266941	-107.840015
1,786.0	1.10	144.20	1,785.7	2.8	5.2	1,916,464.35	2,721,122.79	36.266938	-107.840013
1,848.0	1.30	156.20	1,847.7	1.7	5.8	1,916,463.22	2,721,123.42	36.266935	-107.840010
1,912.0	0.40	67.30	1,911.6	1.1	6.3	1,916,462.64	2,721,123.92	36.266933	-107.840009
1,974.0	0.90	15.80	1,973.6	1.7	6.7	1,916,463.20	2,721,124.25	36.266935	-107.840008
2,037.0	0.80	35.00	2,036.6	2.5	7.1	1,916,464.03	2,721,124.64	36.266937	-107.840006
2,100.0	0.70	19.90	2,099.6	3.3	7.4	1,916,464.76	2,721,125.02	36.266939	-107.840005
2,163.0	0.90	16.80	2,162.6	4.1	7.7	1,916,465.59	2,721,125.30	36.266941	-107.840004
2,226.0	1.40	258.60	2,225.6	4.4	7.1	1,916,465.91	2,721,124.68	36.266942	-107.840006
2,289.0	1.60	266.10	2,288.6	4.2	5.5	1,916,465.70	2,721,123.05	36.266942	-107.840012
2,352.0	1.60	268.50	2,351.6	4.1	3.7	1,916,465.62	2,721,121.30	36.266941	-107.840018
2,416.0	1.70	268.00	2,415.5	4.1	1.9	1,916,465.56	2,721,119.45	36.266941	-107.840024
2,479.0	1.80	263.30	2,478.5	3.9	0.0	1,916,465.41	2,721,117.54	36.266941	-107.840030
2,542.0	0.60	290.30	2,541.5	3.9	-1.3	1,916,465.41	2,721,116.25	36.266941	-107.840035
2,605.0	1.60	358.00	2,604.5	4.9	-1.7	1,916,466.41	2,721,115.91	36.266944	-107.840036
2,668.0	2.80	8.00	2,667.4	7.3	-1.5	1,916,468.81	2,721,116.09	36.266950	-107.840035
2,731.0	3.00	5.90	2,730.4	10.5	-1.1	1,916,471.97	2,721,116.47	36.266959	-107.840034
2,763.0	2.90	8.70	2,762.3	12.1	-0.9	1,916,473.61	2,721,116.68	36.266963	-107.840033
2,826.0	3.80	3.40	2,825.2	15.8	-0.5	1,916,477.26	2,721,117.05	36.266973	-107.840032
2,889.0	6.10	5.30	2,888.0	21.2	-0.1	1,916,482.68	2,721,117.48	36.266988	-107.840031
2,952.0	7.70	3.50	2,950.5	28.7	0.5	1,916,490.23	2,721,118.05	36.267009	-107.840029
3,015.0	8.80	4.40	3,012.9	37.7	1.1	1,916,499.25	2,721,118.68	36.267034	-107.840027
3,078.0	9.90	2.90	3,075.0	48.0	1.7	1,916,509.46	2,721,119.32	36.267062	-107.840024
3,141.0	12.00	0.60	3,136.9	59.9	2.1	1,916,521.42	2,721,119.66	36.267095	-107.840023
3,204.0	12.40	0.10	3,198.4	73.2	2.2	1,916,534.73	2,721,119.74	36.267131	-107.840023
3,267.0	13.50	0.50	3,259.8	87.4	2.2	1,916,548.85	2,721,119.82	36.267170	-107.840023
3,331.0	15.20	2.50	3,321.8	103.2	2.7	1,916,564.70	2,721,120.25	36.267214	-107.840021
3,394.0	16.10	5.70	3,382.5	120.1	3.9	1,916,581.65	2,721,121.48	36.267260	-107.840017
3,457.0	17.30	5.30	3,442.8	138.2	5.6	1,916,599.67	2,721,123.22	36.267310	-107.840011
3,520.0	18.60	5.30	3,502.8	157.5	7.4	1,916,619.00	2,721,125.01	36.267363	-107.840005
3,583.0	19.80	4.70	3,562.3	178.1	9.2	1,916,639.64	2,721,126.82	36.267419	-107.839999
3,646.0	20.10	4.00	3,621.5	199.6	10.9	1,916,661.07	2,721,128.45	36.267478	-107.839993
3,709.0	20.70	4.70	3,680.5	221.5	12.5	1,916,682.97	2,721,130.12	36.267538	-107.839988
3,771.0	20.80	5.80	3,738.5	243.3	14.5	1,916,704.84	2,721,132.13	36.267599	-107.839981
3,834.0	23.90	7.20	3,796.8	267.1	17.3	1,916,728.64	2,721,134.86	36.267664	-107.839972
3,897.0	25.70	9.00	3,854.0	293.3	21.0	1,916,754.79	2,721,138.60	36.267736	-107.839959
3,960.0	27.40	7.90	3,910.3	321.1	25.1	1,916,782.64	2,721,142.73	36.267812	-107.839945
4,023.0	28.20	6.00	3,966.1	350.3	28.7	1,916,811.81	2,721,146.28	36.267892	-107.839933
4,086.0	29.10	0.70	4,021.3	380.4	30.4	1,916,841.94	2,721,148.03	36.267975	-107.839927
4,148.0	30.20	359.20	4,075.2	411.1	30.4	1,916,872.60	2,721,147.99	36.268059	-107.839927
4,211.0	28.20	359.10	4,130.2	441.8	29.9	1,916,903.33	2,721,147.54	36.268144	-107.839929
4,274.0	29.80	359.00	4,185.3	472.4	29.4	1,916,933.87	2,721,147.04	36.268228	-107.839930
4,338.0	30.50	358.70	4,240.7	504.5	28.8	1,916,966.01	2,721,146.39	36.268316	-107.839933
4,369.0	30.20	358.40	4,267.4	520.2	28.4	1,916,981.67	2,721,146.00	36.268359	-107.839934
4,401.0	30.80	357.30	4,295.0	536.4	27.8	1,916,997.90	2,721,145.39	36.268404	-107.839936
4,432.0	32.90	350.10	4,321.3	552.6	26.0	1,917,014.13	2,721,143.57	36.268448	-107.839942
4,463.0	35.10	344.40	4,347.0	569.5	22.1	1,917,031.01	2,721,139.72	36.268495	-107.839955

Cathedral Energy Services

Survey Report - Geographic

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S36-T24N-R10W (Good Times)
Well: Good Times P36-2410 01H
Wellbore: HZ
Design: FINAL

Local Co-ordinate Reference: Well Good Times P36-2410 01H
TVD Reference: 16' KB @ 6890.0usft (Aztec 950)
MD Reference: 16' KB @ 6890.0usft (Aztec 950)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: USA EDM 5000 Multi Users DB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,495.0	35.70	339.60	4,373.1	587.1	16.4	1,917,048.63	2,721,133.99	36.268543	-107.839975
4,527.0	36.70	335.20	4,398.9	604.6	9.1	1,917,066.06	2,721,126.73	36.268591	-107.839999
4,558.0	37.40	329.60	4,423.7	621.1	0.5	1,917,082.60	2,721,118.08	36.268636	-107.840029
4,590.0	38.30	324.50	4,449.0	637.6	-10.2	1,917,099.06	2,721,107.40	36.268682	-107.840065
4,621.0	39.40	319.80	4,473.1	652.9	-22.2	1,917,114.40	2,721,095.47	36.268724	-107.840105
4,653.0	39.60	316.00	4,497.8	668.0	-35.8	1,917,129.49	2,721,081.83	36.268765	-107.840152
4,684.0	41.30	313.50	4,521.4	682.1	-50.1	1,917,143.65	2,721,067.54	36.268804	-107.840200
4,716.0	43.30	311.10	4,545.1	696.6	-66.0	1,917,158.13	2,721,051.61	36.268844	-107.840254
4,747.0	45.30	308.80	4,567.3	710.5	-82.6	1,917,172.03	2,721,035.01	36.268882	-107.840311
4,779.0	46.90	305.00	4,589.5	724.4	-101.0	1,917,185.86	2,721,016.58	36.268920	-107.840373
4,810.0	48.80	301.20	4,610.3	736.9	-120.3	1,917,198.40	2,720,997.33	36.268954	-107.840438
4,842.0	50.70	298.90	4,630.9	749.1	-141.4	1,917,210.62	2,720,976.19	36.268988	-107.840510
4,874.0	51.60	296.00	4,651.0	760.6	-163.6	1,917,222.10	2,720,954.07	36.269019	-107.840585
4,905.0	51.80	291.70	4,670.2	770.4	-185.8	1,917,231.94	2,720,931.83	36.269047	-107.840661
4,937.0	53.80	289.30	4,689.6	779.3	-209.7	1,917,240.86	2,720,907.95	36.269071	-107.840742
4,968.0	56.10	287.20	4,707.4	787.3	-233.8	1,917,248.80	2,720,883.85	36.269093	-107.840823
5,000.0	58.40	285.80	4,724.7	794.9	-259.6	1,917,256.44	2,720,858.05	36.269114	-107.840911
5,031.0	61.00	284.50	4,740.3	801.9	-285.4	1,917,263.43	2,720,832.22	36.269133	-107.840998
5,063.0	64.70	283.00	4,754.9	808.7	-313.1	1,917,270.20	2,720,804.57	36.269152	-107.841092
5,094.0	68.90	281.80	4,767.1	814.8	-340.9	1,917,276.31	2,720,776.74	36.269168	-107.841187
5,126.0	71.70	281.30	4,777.9	820.8	-370.4	1,917,282.34	2,720,747.23	36.269185	-107.841287
5,157.0	74.50	280.80	4,786.9	826.5	-399.5	1,917,288.03	2,720,718.12	36.269201	-107.841386
5,189.0	77.00	279.70	4,794.8	832.0	-430.0	1,917,293.55	2,720,687.60	36.269216	-107.841489
5,220.0	79.60	278.00	4,801.1	836.7	-460.0	1,917,298.22	2,720,657.61	36.269229	-107.841591
5,251.0	82.00	276.40	4,806.1	840.5	-490.4	1,917,302.05	2,720,627.26	36.269239	-107.841694
5,278.0	84.00	276.40	4,809.4	843.5	-517.0	1,917,305.04	2,720,600.64	36.269247	-107.841784
5,309.0	85.90	274.30	4,812.1	846.4	-547.7	1,917,307.92	2,720,569.90	36.269255	-107.841888
5,341.0	87.50	272.10	4,813.9	848.2	-579.6	1,917,309.71	2,720,538.00	36.269260	-107.841997
5,372.0	88.20	272.10	4,815.1	849.3	-610.6	1,917,310.84	2,720,507.04	36.269263	-107.842102
5,403.0	88.60	270.00	4,816.0	849.9	-641.6	1,917,311.41	2,720,476.06	36.269265	-107.842207
5,467.0	90.40	270.10	4,816.5	849.9	-705.6	1,917,311.47	2,720,412.07	36.269265	-107.842424
5,530.0	88.90	269.00	4,816.9	849.4	-768.6	1,917,310.98	2,720,349.07	36.269264	-107.842638
5,592.0	90.80	269.30	4,817.1	848.5	-830.5	1,917,310.07	2,720,287.08	36.269261	-107.842848
5,655.0	88.70	268.70	4,817.3	847.4	-893.5	1,917,308.97	2,720,224.10	36.269258	-107.843061
5,718.0	90.70	270.90	4,817.7	847.2	-956.5	1,917,308.76	2,720,161.11	36.269257	-107.843275
5,781.0	89.00	270.20	4,817.8	847.8	-1,019.5	1,917,309.37	2,720,098.11	36.269259	-107.843489
5,844.0	90.40	269.00	4,818.2	847.4	-1,082.5	1,917,308.93	2,720,035.12	36.269258	-107.843703
5,907.0	89.30	268.20	4,818.3	845.8	-1,145.5	1,917,307.40	2,719,972.14	36.269254	-107.843916
5,970.0	90.80	267.60	4,818.3	843.5	-1,208.4	1,917,305.09	2,719,909.18	36.269247	-107.844130
6,033.0	88.60	264.20	4,818.6	839.0	-1,271.3	1,917,300.59	2,719,846.36	36.269235	-107.844343
6,096.0	88.60	264.20	4,820.1	832.6	-1,333.9	1,917,294.23	2,719,783.70	36.269217	-107.844555
6,160.0	88.70	266.20	4,821.6	827.3	-1,397.7	1,917,288.88	2,719,719.94	36.269203	-107.844772
6,223.0	89.00	268.20	4,822.9	824.2	-1,460.6	1,917,285.81	2,719,657.04	36.269194	-107.844985
6,285.0	90.00	269.20	4,823.4	822.8	-1,522.6	1,917,284.41	2,719,595.06	36.269190	-107.845195
6,348.0	90.60	268.80	4,823.1	821.7	-1,585.6	1,917,283.31	2,719,532.07	36.269187	-107.845409
6,411.0	91.90	271.60	4,821.7	821.9	-1,648.5	1,917,283.54	2,719,469.09	36.269188	-107.845623
6,474.0	91.30	271.20	4,820.0	823.5	-1,711.5	1,917,285.08	2,719,406.13	36.269192	-107.845836
6,537.0	91.00	271.40	4,818.7	824.9	-1,774.5	1,917,286.51	2,719,343.16	36.269196	-107.846050
6,600.0	89.80	270.60	4,818.3	826.0	-1,837.5	1,917,287.62	2,719,280.18	36.269199	-107.846264
6,663.0	90.90	270.40	4,817.9	826.5	-1,900.5	1,917,288.17	2,719,217.18	36.269200	-107.846477
6,726.0	89.40	270.10	4,817.7	826.8	-1,963.4	1,917,288.45	2,719,154.18	36.269201	-107.846691
6,789.0	90.50	271.20	4,817.8	827.5	-2,026.4	1,917,289.17	2,719,091.19	36.269203	-107.846905
6,852.0	89.00	270.30	4,818.1	828.4	-2,089.4	1,917,290.00	2,719,028.20	36.269205	-107.847118
6,915.0	90.60	270.80	4,818.3	829.0	-2,152.4	1,917,290.61	2,718,965.20	36.269207	-107.847332
6,978.0	89.20	268.50	4,818.4	828.6	-2,215.4	1,917,290.23	2,718,902.21	36.269206	-107.847546

Cathedral Energy Services

Survey Report - Geographic

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S36-T24N-R10W (Good Times)
Well: Good Times P36-2410 01H
Wellbore: HZ
Design: FINAL

Local Co-ordinate Reference: Well Good Times P36-2410 01H
TVD Reference: 16' KB @ 6890.0usft (Aztec 950)
MD Reference: 16' KB @ 6890.0usft (Aztec 950)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: USA EDM 5000 Multi Users DB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
7,041.0	91.60	270.60	4,818.0	828.1	-2,278.4	1,917,289.74	2,718,839.22	36.269205	-107.847759
7,104.0	91.30	270.20	4,816.4	828.5	-2,341.4	1,917,290.18	2,718,776.24	36.269206	-107.847973
7,165.0	90.70	271.00	4,815.3	829.2	-2,402.4	1,917,290.82	2,718,715.26	36.269208	-107.848180
7,228.0	89.80	270.50	4,815.0	830.0	-2,465.4	1,917,291.65	2,718,652.27	36.269210	-107.848394
7,291.0	89.20	271.10	4,815.6	830.9	-2,528.4	1,917,292.54	2,718,589.27	36.269212	-107.848607
7,354.0	89.30	270.50	4,816.4	831.7	-2,591.3	1,917,293.42	2,718,526.29	36.269215	-107.848821
7,417.0	90.10	272.10	4,816.7	833.2	-2,654.3	1,917,294.86	2,718,463.31	36.269219	-107.849035
7,480.0	90.40	270.70	4,816.4	834.7	-2,717.3	1,917,296.40	2,718,400.33	36.269223	-107.849248
7,544.0	90.50	268.10	4,815.9	834.0	-2,781.3	1,917,295.73	2,718,336.34	36.269221	-107.849465
7,607.0	89.70	269.90	4,815.8	832.9	-2,844.3	1,917,294.64	2,718,273.35	36.269218	-107.849679
7,670.0	90.50	272.00	4,815.7	834.0	-2,907.3	1,917,295.69	2,718,210.36	36.269221	-107.849893
7,732.0	90.60	271.50	4,815.1	835.9	-2,969.2	1,917,297.58	2,718,148.40	36.269226	-107.850103
7,795.0	89.90	272.50	4,814.9	838.1	-3,032.2	1,917,299.79	2,718,085.44	36.269232	-107.850317
7,859.0	92.10	271.70	4,813.7	840.4	-3,096.1	1,917,302.14	2,718,021.49	36.269238	-107.850534
7,921.0	91.80	270.10	4,811.6	841.4	-3,158.1	1,917,303.11	2,717,959.54	36.269241	-107.850744
7,984.0	91.50	269.70	4,809.8	841.3	-3,221.1	1,917,303.01	2,717,896.57	36.269241	-107.850957
8,047.0	92.20	269.20	4,807.8	840.7	-3,284.0	1,917,302.41	2,717,833.60	36.269239	-107.851171
8,110.0	91.60	268.50	4,805.7	839.4	-3,347.0	1,917,301.15	2,717,770.65	36.269235	-107.851384
8,173.0	90.50	266.70	4,804.5	836.8	-3,409.9	1,917,298.52	2,717,707.72	36.269228	-107.851598
8,236.0	91.10	266.60	4,803.7	833.1	-3,472.8	1,917,294.84	2,717,644.83	36.269218	-107.851811
8,299.0	89.10	265.20	4,803.5	828.6	-3,535.6	1,917,290.34	2,717,581.98	36.269206	-107.852025
8,362.0	87.90	266.80	4,805.2	824.2	-3,598.5	1,917,285.95	2,717,519.16	36.269194	-107.852238
8,425.0	88.00	269.30	4,807.4	822.1	-3,661.4	1,917,283.81	2,717,456.24	36.269188	-107.852451
8,488.0	89.40	269.90	4,808.9	821.6	-3,724.4	1,917,283.38	2,717,393.26	36.269186	-107.852665
8,551.0	90.00	269.60	4,809.2	821.3	-3,787.4	1,917,283.11	2,717,330.27	36.269186	-107.852878
8,614.0	89.70	268.70	4,809.4	820.4	-3,850.4	1,917,282.18	2,717,267.27	36.269183	-107.853092
8,677.0	90.70	270.10	4,809.2	819.7	-3,913.4	1,917,281.52	2,717,204.28	36.269181	-107.853306
8,740.0	90.60	270.00	4,808.4	819.8	-3,976.3	1,917,281.58	2,717,141.28	36.269181	-107.853520
8,803.0	91.10	269.60	4,807.5	819.6	-4,039.3	1,917,281.36	2,717,078.29	36.269181	-107.853733
8,866.0	90.10	269.50	4,806.8	819.1	-4,102.3	1,917,280.87	2,717,015.30	36.269179	-107.853947
8,929.0	90.50	269.40	4,806.5	818.5	-4,165.3	1,917,280.27	2,716,952.30	36.269178	-107.854161
8,992.0	90.80	269.20	4,805.8	817.7	-4,228.3	1,917,279.51	2,716,889.31	36.269176	-107.854374
9,055.0	90.50	269.80	4,805.1	817.2	-4,291.3	1,917,278.96	2,716,826.32	36.269174	-107.854588
9,118.0	89.80	267.80	4,804.9	815.8	-4,354.3	1,917,277.65	2,716,763.33	36.269170	-107.854802
9,182.0	91.50	269.60	4,804.2	814.4	-4,418.3	1,917,276.20	2,716,699.36	36.269166	-107.855019
9,245.0	92.00	270.40	4,802.3	814.4	-4,481.2	1,917,276.20	2,716,636.39	36.269166	-107.855232
9,307.0	89.80	269.30	4,801.3	814.2	-4,543.2	1,917,276.05	2,716,574.40	36.269166	-107.855443
9,372.0	90.30	269.60	4,801.2	813.6	-4,608.2	1,917,275.43	2,716,509.41	36.269164	-107.855663
Last CES Survey @ 9,372' MD									
9,417.0	90.30	269.60	4,801.0	813.3	-4,653.2	1,917,275.12	2,716,464.41	36.269163	-107.855816
PTB @ 9,417'									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
P36-2410 01H BHL P5	0.00	359.99	4,812.8	801.2	-4,660.5	1,917,263.06	2,716,457.17	36.269130	-107.855840
- actual wellpath misses target center by 18.4usft at 9417.0usft MD (4801.0 TVD, 813.3 N, -4653.2 E)									
- Point									

Cathedral Energy Services

Survey Report - Geographic

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times P36-2410 01H
Project:	San Juan County, NM	TVD Reference:	16' KB @ 6890.0usft (Aztec 950)
Site:	S36-T24N-R10W (Good Times)	MD Reference:	16' KB @ 6890.0usft (Aztec 950)
Well:	Good Times P36-2410 01H	North Reference:	True
Wellbore:	HZ	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,372.0	4,801.2	813.6	-4,608.2	Last CES Survey @ 9,372' MD
9,417.0	4,801.0	813.3	-4,653.2	PTB @ 9,417'

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------