

MAY 05 2014

Form C-102

Revised August 1, 2011

DISTRICT I
1635 N. French Dr., Hobbs, NM 88240
Phone: (505) 593-6161 Fax: (505) 593-0720

DISTRICT II
511 S. First St., Artesia, NM 88210
Phone: (505) 748-1233 Fax: (505) 748-0780

DISTRICT III
1000 Rio Grande Rd., Aztec, NM 87410
Phone: (505) 834-6170 Fax: (505) 834-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87508
Phone: (505) 478-3460 Fax: (505) 478-3468

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87508

Submit one copy to appropriate
District Office

☐ AMENDED REPORT
☒ AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35488		*Pool Code 5890	*Pool Name BISTI LOWER-GALLUP
*Property Code 40267	*Property Name ESCRITO L17-2409		*Well Number 02H
*GRID No. 282327	*Operator Name ENCANA OIL & GAS (USA) INC.		*Elevation 6792'

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
L	17	24N	9W		1703'	SOUTH	282'	WEST	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
M	18	24N	9W	4	815'	SOUTH	345'	WEST	SAN JUAN

12 Dedicated Acres PROJECT AREA 159.83 160.00 ACRES S/2 S/2 SEC. 18		13 Joint or Infill	14 Consolidation Code	15 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

16

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 a leased 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: *[Signature]* Date: 04-29-14
Printed Name: *[Signature]*
E-mail Address: branda.linsere@encana.com

SURVEYOR CERTIFICATION

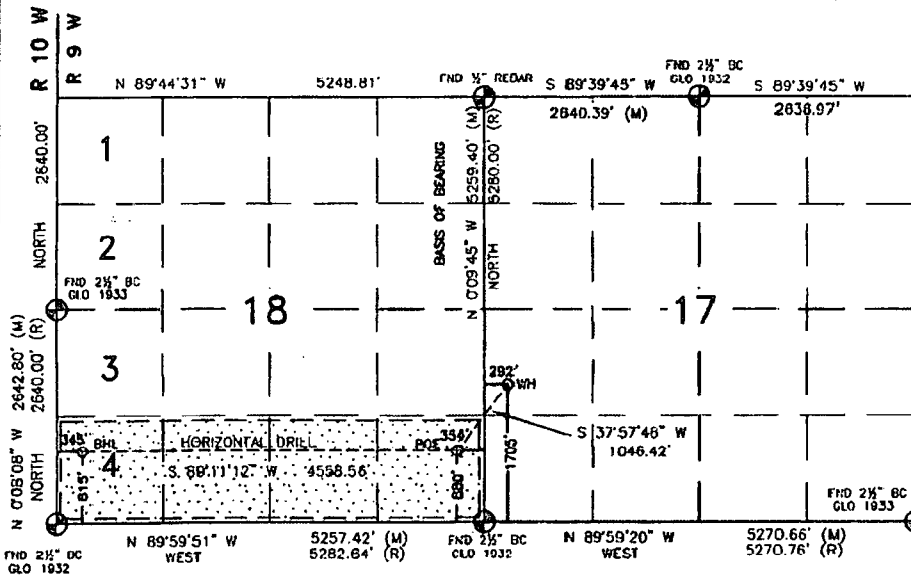
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

AS-BUILT - APRIL 14, 2014
SURVEYED - APRIL 25, 2013

Date of Survey

Signature and Seal of Professional Surveyor:

Signature: *[Signature]*
Seal: DAVID R. RUSSELL
NEW MEXICO
REGISTERED PROFESSIONAL LAND SURVEYOR
10201
DAVID RUSSELL
Certificate Number 10201



BOTTOM HOLE
LAT. 36.309030° N (NAD83)
LONG. 107.838064° W (NAD83)
LAT. 36.309019° N (NAD27)
LONG. 107.837446° W (NAD27)

ENTRY POINT
LAT. 36.308214° N (NAD83)
LONG. 107.822599° W (NAD83)
LAT. 36.309202° N (NAD27)
LONG. 107.821983° W (NAD27)

WELL FLAG
LAT. 36.311480° N (NAD83)
LONG. 107.820420° W (NAD83)
LAT. 36.311469° N (NAD27)
LONG. 107.819804° W (NAD27)

AV

16

DEVIATION SURVEYS

MD (Feet)	Inclination (Degree)
192	.10
345	.30
682	.40
987	.90
1292	1.0
1599	.8
1913	.40
2229	.90
2544	.30
2859	.80
3174	.60
3489	.30
3804	.40
4119	3.30
4434	3.10
4604	7.90
4762	25.60

OIL CONS. DIV DIST. 3

APR 30 2014

OPERATOR CERTIFICATION

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

Melissa Lasley
Melissa Lasley, Engineering Technologist

04/29/2014

ACKNOWLEDGMENT

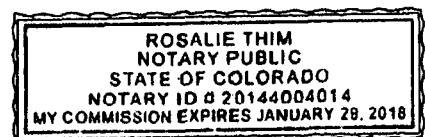
State of Colorado
City and County of Denver

This instrument was acknowledged before me on this 29th day of April, 2014 by Melissa Lasley 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.

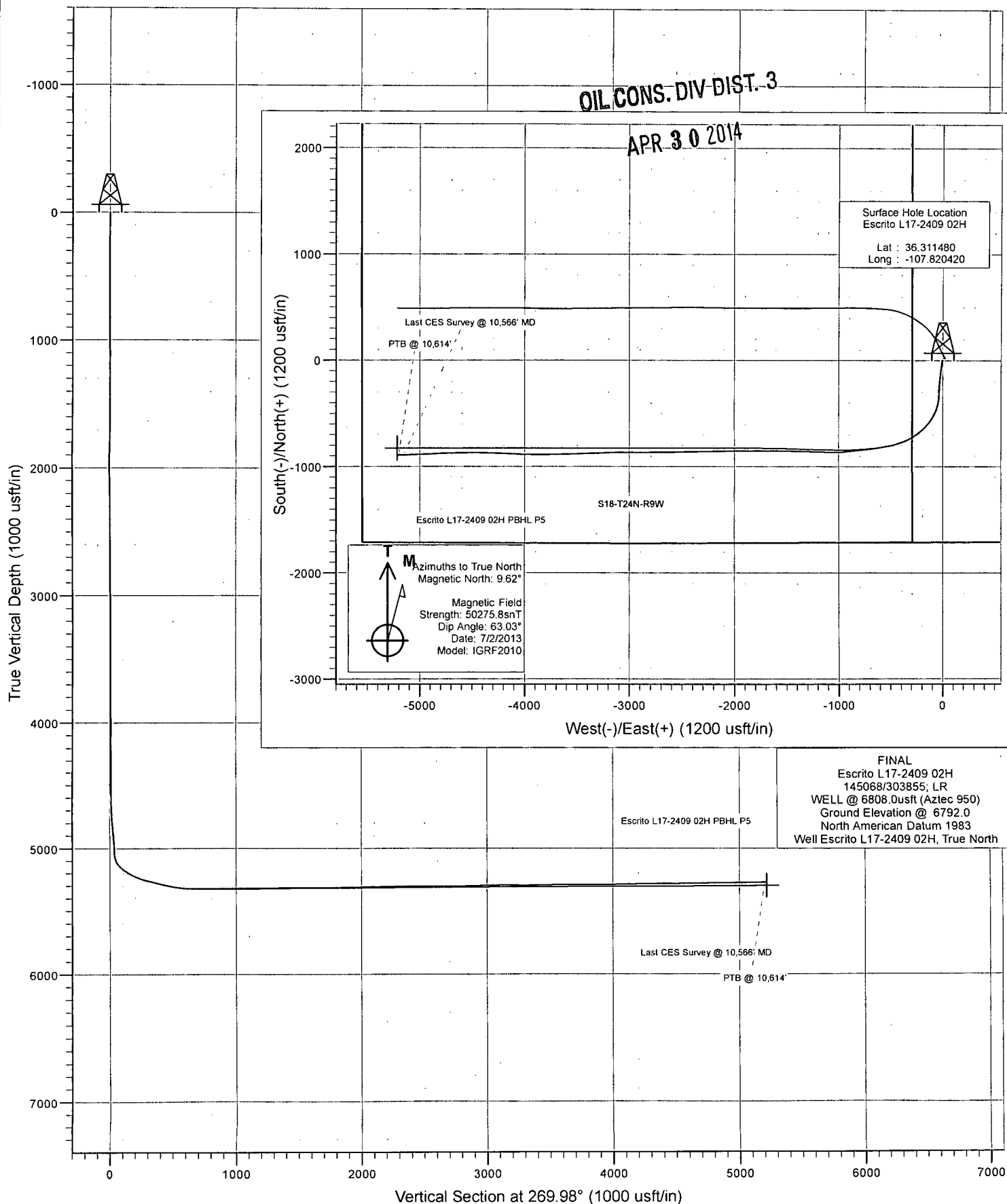
Notary Public: Rosalie Thim

My Commission Expires: 1/29/18



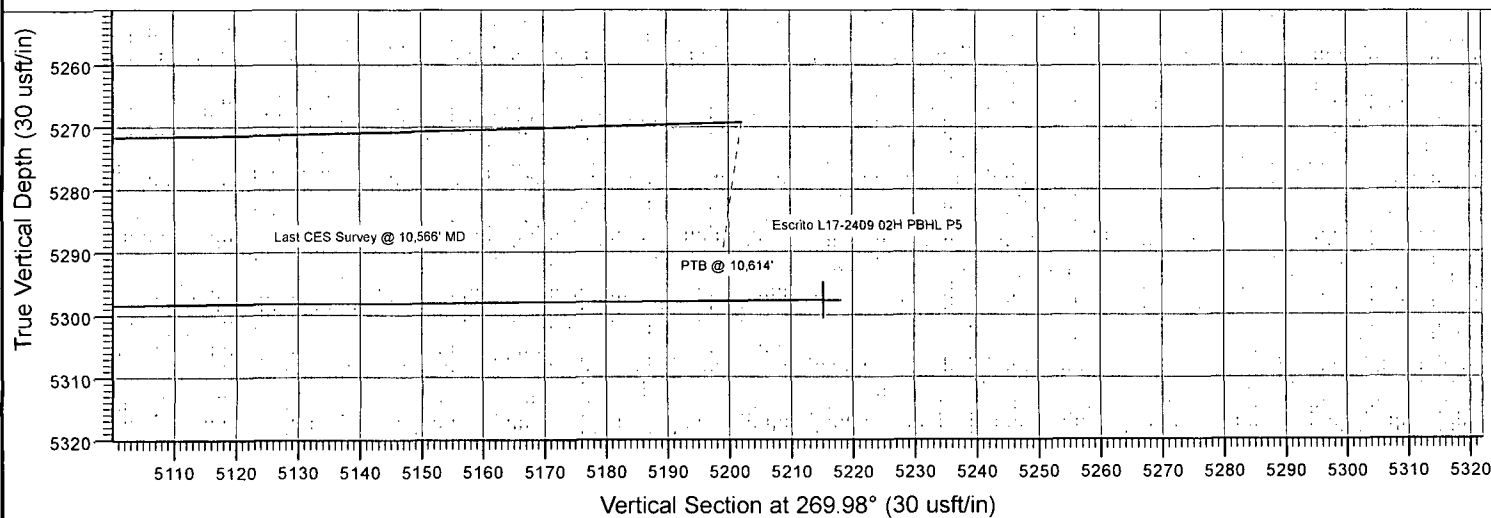
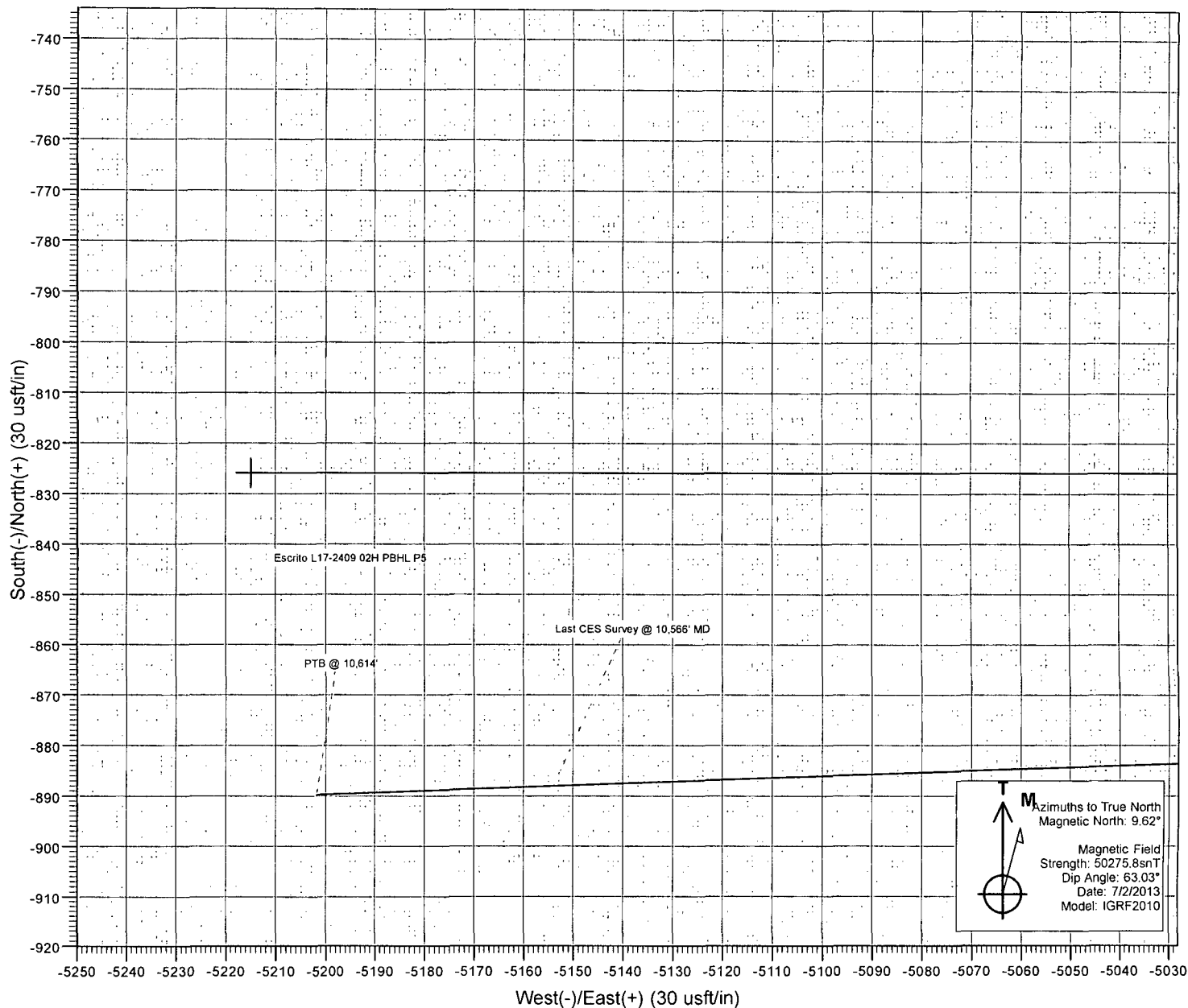


Project: San Juan County, NM
 Site: S17-T24N-R9W (Escrito)
 Well: Escrito L17-2409 02H
 Wellbore: Hz
 Design: FINAL





Project: San Juan County, NM
 Site: S17-T24N-R9W (Escrito)
 Well: Escrito L17-2409 02H
 Wellbore: Hz
 Design: FINAL



Cathedral Energy Services

Survey Report

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S17-T24N-R9W (Escrito)
Well: Escrito L17-2409 02H
Wellbore: Hz
Design: FINAL

Local Co-ordinate Reference: Well Escrito L17-2409 02H
TVD Reference: WELL @ 6808.0usft (Aztec 950)
MD Reference: WELL @ 6808.0usft (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
Geo Datum:	North American Datum 1983
Map Zone:	New Mexico Western Zone
System Datum:	Mean Sea Level

Site	S17-T24N-R9W (Escrito)				
Site Position:		Northing:	1,932,703.40 usft	Latitude:	36.311547
From:	Lat/Long	Easting:	2,726,914.75 usft	Longitude:	-107.820357
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.01 °

Well	Escrito L17-2409 02H					
Well Position	+N/-S	0.0 usft	Northing:	1,932,679.01 usft	Latitude:	36.311480
	+E/-W	0.0 usft	Easting:	2,726,896.19 usft	Longitude:	-107.820420
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	6,792.0 usft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/2/2013	9.62	63.03	50,276

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	269.98

Survey Program		Date	4/7/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
111.0	10,614.0	Survey #1 (Hz)	Geolink MWD	Geolink MWD	

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
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
111.0	0.10	225.99	111.0	-0.1	-0.1	0.1	0.09	0.09	
140.0	0.10	132.59	140.0	-0.1	-0.1	0.1	0.50	0.00	
169.0	0.40	18.39	169.0	0.0	0.0	0.0	1.55	1.03	
197.0	0.10	76.29	197.0	0.1	0.0	0.0	1.28	-1.07	
225.0	0.20	75.89	225.0	0.1	0.1	-0.1	0.36	0.36	
255.0	0.40	53.39	255.0	0.2	0.2	-0.2	0.76	0.67	
285.0	0.20	348.19	285.0	0.3	0.3	-0.3	1.22	-0.67	
314.0	0.50	40.89	314.0	0.4	0.4	-0.4	1.42	1.03	
345.0	0.30	0.79	345.0	0.6	0.5	-0.5	1.07	-0.65	
375.0	0.20	16.09	375.0	0.7	0.5	-0.5	0.40	-0.33	
438.0	0.60	53.29	438.0	1.0	0.8	-0.8	0.73	0.63	
460.0	0.50	25.59	460.0	1.2	0.9	-0.9	1.28	-0.45	

OIL CONS. DIV DIST. 3
APR 30 2014

Cathedral Energy Services

Survey Report

Company: EnCana Oil & Gas (USA) Inc
 Project: San Juan County, NM
 Site: S17-T24N-R9W (Escrito)
 Well: Escrito L17-2409 02H
 Wellbore: Hz
 Design: FINAL

Local Co-ordinate Reference: Well Escrito L17-2409 02H
 TVD Reference: WELL @ 6808.0usft (Aztec 950)
 MD Reference: WELL @ 6808.0usft (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
620.0	0.70	19.99	620.0	2.7	1.6	-1.6	0.13	0.13	
682.0	0.40	357.39	682.0	3.3	1.7	-1.7	0.59	-0.48	
743.0	0.60	47.29	743.0	3.7	1.9	-1.9	0.75	0.33	
804.0	0.30	9.59	804.0	4.1	2.2	-2.2	0.67	-0.49	
865.0	0.70	352.09	865.0	4.6	2.1	-2.1	0.69	0.66	
926.0	0.90	295.49	926.0	5.2	1.7	-1.7	1.28	0.33	
987.0	0.90	260.29	987.0	5.3	0.7	-0.8	0.89	0.00	
1,048.0	0.70	222.19	1,048.0	5.0	0.0	0.0	0.91	-0.33	
1,108.0	0.70	186.49	1,108.0	4.4	-0.3	0.3	0.72	0.00	
1,169.0	0.80	191.39	1,168.9	3.6	-0.4	0.4	0.19	0.16	
1,230.0	0.80	196.49	1,229.9	2.7	-0.6	0.6	0.12	0.00	
1,292.0	1.00	191.89	1,291.9	1.8	-0.8	0.8	0.34	0.32	
1,353.0	1.30	185.69	1,352.9	0.6	-1.0	1.0	0.53	0.49	
1,413.0	1.30	201.39	1,412.9	-0.7	-1.3	1.3	0.59	0.00	
1,474.0	1.40	201.09	1,473.9	-2.1	-1.8	1.8	0.16	0.16	
1,537.0	0.40	84.99	1,536.9	-2.8	-1.9	1.9	2.57	-1.59	
1,599.0	0.80	54.19	1,598.9	-2.5	-1.3	1.3	0.81	0.65	
1,662.0	0.20	69.29	1,661.9	-2.2	-0.9	0.9	0.97	-0.95	
1,725.0	0.40	28.09	1,724.9	-2.0	-0.7	0.7	0.45	0.32	
1,788.0	0.40	29.89	1,787.9	-1.6	-0.5	0.5	0.02	0.00	
1,851.0	0.70	39.79	1,850.9	-1.1	-0.1	0.1	0.50	0.48	
1,913.0	0.40	24.79	1,912.9	-0.6	0.2	-0.2	0.53	-0.48	
1,976.0	0.50	18.79	1,975.9	-0.1	0.4	-0.4	0.18	0.16	
2,040.0	0.70	343.29	2,039.9	0.5	0.4	-0.4	0.64	0.31	
2,103.0	0.80	304.19	2,102.9	1.1	-0.1	0.1	0.81	0.16	
2,166.0	0.70	302.69	2,165.9	1.6	-0.8	0.8	0.16	-0.16	
2,229.0	0.90	301.49	2,228.8	2.0	-1.5	1.5	0.32	0.32	
2,292.0	0.90	329.99	2,291.8	2.7	-2.2	2.2	0.70	0.00	
2,355.0	0.80	297.09	2,354.8	3.4	-2.8	2.8	0.78	-0.16	
2,418.0	0.40	309.89	2,417.8	3.7	-3.4	3.4	0.67	-0.63	
2,481.0	0.20	251.99	2,480.8	3.8	-3.7	3.7	0.54	-0.32	
2,544.0	0.30	337.39	2,543.8	3.9	-3.8	3.8	0.55	0.16	
2,607.0	0.20	213.69	2,606.8	4.0	-3.9	3.9	0.70	-0.16	
2,670.0	0.50	258.39	2,669.8	3.8	-4.3	4.3	0.61	0.48	
2,733.0	0.10	205.79	2,732.8	3.7	-4.6	4.6	0.71	-0.63	
2,796.0	0.40	162.39	2,795.8	3.5	-4.5	4.5	0.53	0.48	
2,859.0	0.80	146.49	2,858.8	2.9	-4.2	4.2	0.68	0.63	
2,923.0	0.80	166.49	2,922.8	2.1	-3.9	3.9	0.43	0.00	
2,986.0	0.70	180.49	2,985.8	1.3	-3.8	3.8	0.33	-0.16	
3,049.0	0.40	161.89	3,048.8	0.7	-3.7	3.7	0.55	-0.48	
3,111.0	0.50	198.59	3,110.8	0.2	-3.7	3.7	0.48	0.16	
3,174.0	0.60	191.29	3,173.8	-0.4	-3.9	3.9	0.19	0.16	
3,237.0	0.70	192.29	3,236.8	-1.1	-4.0	4.0	0.16	0.16	
3,300.0	0.50	219.89	3,299.8	-1.7	-4.3	4.3	0.55	-0.32	
3,363.0	0.50	221.69	3,362.8	-2.1	-4.6	4.6	0.02	0.00	
3,426.0	0.40	271.49	3,425.8	-2.3	-5.0	5.0	0.62	-0.16	
3,489.0	0.30	221.19	3,488.8	-2.4	-5.4	5.4	0.49	-0.16	
3,552.0	0.90	205.49	3,551.8	-3.0	-5.7	5.7	0.98	0.95	
3,615.0	1.00	181.59	3,614.8	-4.0	-5.9	5.9	0.64	0.16	
3,678.0	1.10	175.19	3,677.8	-5.1	-5.9	5.9	0.24	0.16	
3,741.0	0.70	164.79	3,740.8	-6.1	-5.7	5.7	0.68	-0.63	
3,804.0	0.40	156.19	3,803.8	-6.7	-5.5	5.5	0.49	-0.48	
3,868.0	1.10	185.79	3,867.7	-7.5	-5.5	5.5	1.22	1.09	

Cathedral Energy Services

Survey Report

Company: EnCana Oil & Gas (USA) Inc
 Project: San Juan County, NM
 Site: S17-T24N-R9W (Escrito)
 Well: Escrito L17-2409 02H
 Wellbore: Hz
 Design: FINAL

Local Co-ordinate Reference: Well Escrito L17-2409 02H
 TVD Reference: WELL @ 6808.0usft (Aztec 950)
 MD Reference: WELL @ 6808.0usft (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
3,930.0	2.40	190.89	3,929.7	-9.3	-5.8	5.8	2.11	2.10	
3,993.0	2.80	189.39	3,992.6	-12.2	-6.3	6.3	0.64	0.63	
4,057.0	3.10	186.29	4,056.6	-15.4	-6.8	6.8	0.53	0.47	
4,119.0	3.30	187.99	4,118.5	-18.8	-7.2	7.2	0.36	0.32	
4,183.0	3.60	185.89	4,182.4	-22.7	-7.7	7.7	0.51	0.47	
4,245.0	4.00	191.59	4,244.2	-26.7	-8.3	8.3	0.89	0.65	
4,308.0	3.70	188.89	4,307.1	-30.9	-9.0	9.1	0.56	-0.48	
4,371.0	3.80	184.39	4,369.9	-35.0	-9.5	9.5	0.49	0.16	
4,434.0	3.10	189.89	4,432.8	-38.7	-10.0	10.0	1.23	-1.11	
4,497.0	2.80	191.49	4,495.7	-41.9	-10.6	10.6	0.49	-0.48	
4,525.0	2.70	189.69	4,523.7	-43.2	-10.8	10.8	0.47	-0.36	
4,541.0	2.70	185.29	4,539.7	-44.0	-10.9	10.9	1.30	0.00	
4,573.0	3.80	187.89	4,571.6	-45.8	-11.1	11.1	3.47	3.44	
4,604.0	7.90	190.19	4,602.5	-48.9	-11.6	11.7	13.24	13.23	
4,636.0	12.50	185.99	4,634.0	-54.5	-12.4	12.4	14.55	14.38	
4,667.0	16.30	185.89	4,664.0	-62.2	-13.2	13.2	12.26	12.26	
4,699.0	19.10	184.89	4,694.5	-71.9	-14.1	14.1	8.80	8.75	
4,730.0	22.10	186.89	4,723.5	-82.7	-15.2	15.3	9.94	9.68	
4,762.0	25.60	187.19	4,752.7	-95.6	-16.8	16.9	10.94	10.94	
4,793.0	28.00	186.49	4,780.4	-109.4	-18.5	18.5	7.81	7.74	
4,825.0	29.60	188.19	4,808.4	-124.7	-20.5	20.5	5.62	5.00	
4,857.0	31.80	188.49	4,836.0	-140.9	-22.8	22.9	6.89	6.88	
4,888.0	34.20	186.49	4,862.0	-157.6	-25.0	25.1	8.50	7.74	
4,920.0	36.30	187.49	4,888.1	-175.9	-27.3	27.3	6.81	6.56	
4,952.0	37.80	186.49	4,913.6	-195.1	-29.6	29.7	5.05	4.69	
4,983.0	40.50	184.99	4,937.7	-214.6	-31.6	31.6	9.23	8.71	
5,014.0	43.40	183.89	4,960.7	-235.2	-33.2	33.2	9.65	9.35	
5,045.0	45.90	182.49	4,982.8	-257.0	-34.4	34.4	8.67	8.06	
5,077.0	48.70	181.09	5,004.5	-280.5	-35.1	35.2	9.32	8.75	
5,109.0	52.30	180.99	5,024.8	-305.2	-35.5	35.6	11.25	11.25	
5,140.0	55.20	181.89	5,043.2	-330.1	-36.2	36.3	9.64	9.35	
5,171.0	57.40	183.89	5,060.4	-355.9	-37.5	37.6	8.90	7.10	
5,202.0	57.80	188.59	5,077.0	-381.9	-40.3	40.4	12.86	1.29	
5,233.0	57.70	194.69	5,093.5	-407.6	-45.6	45.7	16.64	-0.32	
5,265.0	58.80	198.39	5,110.4	-433.6	-53.3	53.5	10.42	3.44	
5,296.0	61.50	200.99	5,125.8	-458.9	-62.4	62.6	11.35	8.71	
5,328.0	65.60	202.99	5,140.0	-485.5	-73.1	73.3	13.98	12.81	
5,359.0	68.40	207.09	5,152.2	-511.3	-85.2	85.4	15.16	9.03	
5,391.0	67.60	211.09	5,164.2	-537.3	-99.6	99.8	11.86	-2.50	
5,422.0	66.90	214.89	5,176.1	-561.2	-115.2	115.4	11.53	-2.26	
5,454.0	67.50	218.99	5,188.6	-584.8	-132.9	133.1	11.96	1.88	
5,486.0	68.50	221.59	5,200.5	-607.4	-152.1	152.3	8.16	3.13	
5,517.0	69.30	224.99	5,211.7	-628.5	-171.9	172.1	10.55	2.58	
5,549.0	70.30	228.49	5,222.8	-649.1	-193.8	194.0	10.73	3.13	
5,580.0	71.80	230.89	5,232.8	-668.0	-216.1	216.4	8.78	4.84	
5,611.0	74.60	232.89	5,241.8	-686.3	-239.5	239.7	10.94	9.03	
5,643.0	77.00	234.69	5,249.6	-704.7	-264.5	264.8	9.27	7.50	
5,674.0	78.20	238.79	5,256.3	-721.3	-289.8	290.1	13.48	3.87	
5,706.0	76.90	242.69	5,263.2	-736.5	-317.1	317.3	12.57	-4.06	
5,737.0	75.90	245.49	5,270.5	-749.7	-344.2	344.4	9.35	-3.23	
5,769.0	76.60	247.79	5,278.1	-762.0	-372.7	373.0	7.32	2.19	
5,800.0	76.20	250.89	5,285.4	-772.7	-400.9	401.2	9.80	-1.29	
5,832.0	77.00	253.29	5,292.8	-782.2	-430.5	430.8	7.71	2.50	

Cathedral Energy Services

Survey Report

Company: EnCana Oil & Gas (USA) Inc
 Project: San Juan County, NM
 Site: S17-T24N-R9W (Escrito)
 Well: Escrito L17-2409 02H
 Wellbore: Hz
 Design: FINAL

Local Co-ordinate Reference: Well Escrito L17-2409 02H
 TVD Reference: WELL @ 6808.0usft (Aztec 950)
 MD Reference: WELL @ 6808.0usft (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
5,863.0	78.00	255.19	5,299.5	-790.5	-459.6	459.9	6.80	3.23	
5,895.0	79.50	256.99	5,305.8	-798.0	-490.1	490.4	7.24	4.69	
5,926.0	81.10	258.99	5,311.0	-804.4	-520.0	520.3	8.19	5.16	
5,957.0	82.80	259.89	5,315.3	-810.0	-550.2	550.4	6.19	5.48	
5,989.0	85.20	260.59	5,318.7	-815.4	-581.5	581.8	7.81	7.50	
6,018.0	87.40	261.09	5,320.5	-820.0	-610.1	610.4	7.78	7.59	
6,052.0	88.80	261.79	5,321.7	-825.0	-643.7	644.0	4.60	4.12	
6,084.0	89.10	261.99	5,322.2	-829.6	-675.4	675.7	1.13	0.94	
6,115.0	89.90	262.09	5,322.5	-833.9	-706.1	706.4	2.60	2.58	
6,147.0	89.60	262.89	5,322.7	-838.0	-737.8	738.1	2.67	-0.94	
6,178.0	89.30	263.39	5,323.0	-841.7	-768.6	768.9	1.88	-0.97	
6,241.0	90.10	264.19	5,323.3	-848.6	-831.2	831.5	1.80	1.27	
6,304.0	90.50	265.09	5,323.0	-854.5	-893.9	894.2	1.56	0.63	
6,367.0	90.10	266.59	5,322.6	-859.0	-956.8	957.1	2.46	-0.63	
6,381.0	90.40	268.89	5,322.6	-859.6	-970.7	971.0	16.57	2.14	
6,442.0	90.80	269.59	5,321.9	-860.4	-1,031.7	1,032.0	1.32	0.66	
6,505.0	92.00	270.49	5,320.4	-860.4	-1,094.7	1,095.0	2.38	1.90	
6,568.0	91.70	271.39	5,318.4	-859.3	-1,157.7	1,158.0	1.51	-0.48	
6,631.0	90.40	271.99	5,317.2	-857.5	-1,220.6	1,220.9	2.27	-2.06	
6,694.0	91.30	271.99	5,316.3	-855.3	-1,283.6	1,283.9	1.43	1.43	
6,757.0	90.10	271.49	5,315.5	-853.4	-1,346.5	1,346.8	2.06	-1.90	
6,820.0	91.00	270.89	5,314.9	-852.1	-1,409.5	1,409.8	1.72	1.43	
6,883.0	89.90	270.59	5,314.4	-851.3	-1,472.5	1,472.8	1.81	-1.75	
6,946.0	89.40	269.79	5,314.8	-851.1	-1,535.5	1,535.8	1.50	-0.79	
7,009.0	90.20	269.29	5,315.0	-851.6	-1,598.5	1,598.8	1.50	1.27	
7,072.0	90.00	270.69	5,314.9	-851.6	-1,661.5	1,661.8	2.24	-0.32	
7,135.0	90.60	270.49	5,314.6	-850.9	-1,724.5	1,724.8	1.00	0.95	
7,198.0	91.60	270.69	5,313.3	-850.3	-1,787.5	1,787.8	1.62	1.59	
7,261.0	90.80	269.99	5,312.0	-849.9	-1,850.5	1,850.8	1.69	-1.27	
7,324.0	91.20	269.79	5,310.9	-850.1	-1,913.5	1,913.8	0.71	0.63	
7,387.0	90.60	269.69	5,309.9	-850.4	-1,976.5	1,976.8	0.97	-0.95	
7,450.0	91.10	268.99	5,309.0	-851.1	-2,039.4	2,039.7	1.37	0.79	
7,513.0	92.20	268.89	5,307.2	-852.3	-2,102.4	2,102.7	1.75	1.75	
7,576.0	91.00	268.09	5,305.4	-853.9	-2,165.4	2,165.7	2.29	-1.90	
7,639.0	90.80	268.39	5,304.4	-855.9	-2,228.3	2,228.6	0.57	-0.32	
7,702.0	90.10	269.19	5,303.9	-857.2	-2,291.3	2,291.6	1.69	-1.11	
7,765.0	90.60	268.89	5,303.6	-858.2	-2,354.3	2,354.6	0.93	0.79	
7,828.0	91.70	268.59	5,302.3	-859.6	-2,417.3	2,417.6	1.81	1.75	
7,891.0	91.10	268.99	5,300.8	-861.0	-2,480.2	2,480.5	1.14	-0.95	
7,953.0	89.60	269.49	5,300.4	-861.8	-2,542.2	2,542.5	2.55	-2.42	
8,016.0	89.30	269.19	5,301.0	-862.5	-2,605.2	2,605.5	0.67	-0.48	
8,079.0	90.40	269.69	5,301.1	-863.1	-2,668.2	2,668.5	1.92	1.75	
8,143.0	90.80	269.59	5,300.5	-863.6	-2,732.2	2,732.5	0.64	0.63	
8,206.0	91.60	269.89	5,299.2	-863.8	-2,795.2	2,795.5	1.36	1.27	
8,269.0	90.50	270.19	5,298.0	-863.8	-2,858.2	2,858.5	1.81	-1.75	
8,332.0	90.90	270.09	5,297.2	-863.7	-2,921.2	2,921.5	0.65	0.63	
8,395.0	91.50	269.29	5,295.9	-864.0	-2,984.2	2,984.5	1.59	0.95	
8,458.0	90.40	269.39	5,294.9	-864.7	-3,047.1	3,047.4	1.75	-1.75	
8,522.0	91.20	269.89	5,294.0	-865.1	-3,111.1	3,111.4	1.47	1.25	
8,585.0	89.30	268.39	5,293.7	-866.1	-3,174.1	3,174.4	3.84	-3.02	
8,648.0	89.90	267.99	5,294.1	-868.1	-3,237.1	3,237.4	1.14	0.95	
8,711.0	90.10	267.89	5,294.1	-870.4	-3,300.0	3,300.4	0.35	0.32	
8,774.0	91.20	267.89	5,293.4	-872.7	-3,363.0	3,363.3	1.75	1.75	

Cathedral Energy Services

Survey Report

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S17-T24N-R9W (Escrito)
Well: Escrito L17-2409 02H
Wellbore: Hz
Design: FINAL

Local Co-ordinate Reference: Well Escrito L17-2409 02H
TVD Reference: WELL @ 6808.0usft (Aztec 950)
MD Reference: WELL @ 6808.0usft (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
8,837.0	90.30	267.69	5,292.6	-875.1	-3,425.9	3,426.3	1.46	-1.43	
8,900.0	91.10	267.39	5,291.8	-877.8	-3,488.9	3,489.2	1.36	1.27	
8,963.0	91.30	268.79	5,290.5	-879.9	-3,551.8	3,552.1	2.24	0.32	
9,026.0	89.70	268.49	5,290.0	-881.4	-3,614.8	3,615.1	2.58	-2.54	
9,089.0	90.20	268.39	5,290.0	-883.1	-3,677.8	3,678.1	0.81	0.79	
9,152.0	90.00	268.99	5,289.9	-884.6	-3,740.8	3,741.1	1.00	-0.32	
9,215.0	90.40	268.89	5,289.7	-885.8	-3,803.8	3,804.1	0.65	0.63	
9,277.0	90.00	270.69	5,289.5	-886.0	-3,865.8	3,866.1	2.97	-0.65	
9,340.0	90.10	271.39	5,289.4	-884.8	-3,928.7	3,929.1	1.12	0.16	
9,403.0	91.10	270.99	5,288.8	-883.5	-3,991.7	3,992.0	1.71	1.59	
9,466.0	91.70	272.09	5,287.2	-881.9	-4,054.7	4,055.0	1.99	0.95	
9,529.0	90.90	273.19	5,285.8	-879.0	-4,117.6	4,117.9	2.16	-1.27	
9,592.0	91.50	272.99	5,284.5	-875.6	-4,180.5	4,180.8	1.00	0.95	
9,655.0	91.10	272.49	5,283.0	-872.6	-4,243.4	4,243.7	1.02	-0.63	
9,718.0	89.40	271.29	5,282.8	-870.5	-4,306.4	4,306.7	3.30	-2.70	
9,781.0	89.60	270.69	5,283.3	-869.4	-4,369.4	4,369.7	1.00	0.32	
9,844.0	90.30	270.39	5,283.4	-868.8	-4,432.4	4,432.7	1.21	1.11	
9,907.0	90.80	269.99	5,282.8	-868.6	-4,495.3	4,495.6	1.02	0.79	
9,969.0	91.70	269.99	5,281.4	-868.6	-4,557.3	4,557.6	1.45	1.45	
10,032.0	91.10	268.99	5,279.9	-869.2	-4,620.3	4,620.6	1.85	-0.95	
10,095.0	91.60	268.49	5,278.4	-870.6	-4,683.3	4,683.6	1.12	0.79	
10,157.0	90.30	267.99	5,277.4	-872.5	-4,745.2	4,745.5	2.25	-2.10	
10,220.0	90.80	267.39	5,276.8	-875.0	-4,808.2	4,808.5	1.24	0.79	
10,283.0	91.60	267.09	5,275.4	-878.1	-4,871.1	4,871.4	1.36	1.27	
10,346.0	90.70	268.29	5,274.2	-880.6	-4,934.0	4,934.3	2.38	-1.43	
10,409.0	91.30	268.29	5,273.1	-882.5	-4,997.0	4,997.3	0.95	0.95	
10,473.0	90.40	267.99	5,272.1	-884.6	-5,060.9	5,061.3	1.48	-1.41	
10,536.0	91.10	267.89	5,271.3	-886.8	-5,123.9	5,124.2	1.12	1.11	
10,566.0	91.60	267.89	5,270.6	-888.0	-5,153.9	5,154.2	1.67	1.67	Last CES Survey @ 10,566' MD PTB @ 10,614'
10,614.0	91.60	267.89	5,269.3	-889.7	-5,201.8	5,202.1	0.01	0.00	

Cathedral Energy Services

Survey Report

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S17-T24N-R9W (Escrito)
Well: Escrito L17-2409 02H
Wellbore: Hz
Design: FINAL

Local Co-ordinate Reference: Well Escrito L17-2409 02H
TVD Reference: WELL @ 6808.0usft (Aztec 950)
MD Reference: WELL @ 6808.0usft (Aztec 950)
North Reference: True
Survey Calculation Method: Minimum Curvature
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	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
Escrito L17-2409 02H PI	90.30	90.00	5,297.7	-825.9	-5,214.9	1,931,852.45	2,721,681.38	36.309210	-107.838120
- actual wellpath misses target center by 71.1usft at 10614.0usft MD (5269.3 TVD, -889.7 N, -5201.8 E)									
- Point									
Escrito L17-2409 02H PI	0.00	0.00	5,310.8	-826.3	-618.7	1,931,852.59	2,726,277.58	36.309210	-107.822520
- actual wellpath misses target center by 11.3usft at 6027.1usft MD (5320.9 TVD, -821.4 N, -619.1 E)									
- Point									
Escrito L17-2409 02H PI	0.00	0.00	5,286.7	-825.9	-5,214.9	1,931,852.45	2,721,681.38	36.309210	-107.838120
- actual wellpath misses target center by 67.5usft at 10614.0usft MD (5269.3 TVD, -889.7 N, -5201.8 E)									
- Point									

Design Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
10,566.0	5,270.6	-888.0	-5,153.9	Last CES Survey @ 10,566' MD
10,614.0	5,269.3	-889.7	-5,201.8	PTB @ 10,614'

Checked By: _____ Approved By: _____ Date: _____



OIL CONS. DIV DIST. 3

APR 30 2014

EnCana Oil & Gas (USA) Inc

San Juan County, NM
S17-T24N-R9W (Escrito)
Escrito L17-2409 02H

Hz

OIL CONS. DIV DIST. 3
APR 30 2014

Design: FINAL

Survey Report - Geographic

07 April, 2014



Survey Report - Geographic

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S17-T24N-R9W (Escrito)
Well: Escrito L17-2409 02H
Wellbore: Hz
Design: FINAL

Local Co-ordinate Reference: Well Escrito L17-2409 02H
TVD Reference: WELL @ 6808.0usft (Aztec 950)
MD Reference: WELL @ 6808.0usft (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
Geo Datum:	North American Datum 1983
Map Zone:	New Mexico Western Zone
System Datum:	Mean Sea Level

Site	S17-T24N-R9W (Escrito)				
Site Position:		Northing:	1,932,703.40 usft	Latitude:	36° 18' 41.57 N
From:	Lat/Long	Easting:	2,726,914.75 usft	Longitude:	107° 49' 13.29 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.01 °

Well	Escrito L17-2409 02H					
Well Position	+N/-S	0.0 usft	Northing:	1,932,679.01 usft	Latitude:	36° 18' 41.33 N
	+E/-W	0.0 usft	Easting:	2,726,896.19 usft	Longitude:	107° 49' 13.51 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	6,792.0 usft	

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/2/2013	9.62	63.03	50,276

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	269.98	

Survey Program		Date	4/7/2014	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
111.0	10,614.0	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	1,932,679.01	2,726,896.19	36° 18' 41.33 N	107° 49' 13.51 W
111.0	0.10	225.99	111.0	-0.1	-0.1	1,932,678.94	2,726,896.12	36° 18' 41.33 N	107° 49' 13.51 W
140.0	0.10	132.59	140.0	-0.1	-0.1	1,932,678.91	2,726,896.12	36° 18' 41.33 N	107° 49' 13.51 W
169.0	0.40	18.39	169.0	0.0	0.0	1,932,678.99	2,726,896.17	36° 18' 41.33 N	107° 49' 13.51 W
197.0	0.10	76.29	197.0	0.1	0.0	1,932,679.09	2,726,896.23	36° 18' 41.33 N	107° 49' 13.51 W
225.0	0.20	75.89	225.0	0.1	0.1	1,932,679.10	2,726,896.30	36° 18' 41.33 N	107° 49' 13.51 W
255.0	0.40	53.39	255.0	0.2	0.2	1,932,679.18	2,726,896.43	36° 18' 41.33 N	107° 49' 13.51 W
285.0	0.20	348.19	285.0	0.3	0.3	1,932,679.29	2,726,896.51	36° 18' 41.33 N	107° 49' 13.51 W
314.0	0.50	40.89	314.0	0.4	0.4	1,932,679.44	2,726,896.58	36° 18' 41.33 N	107° 49' 13.51 W
345.0	0.30	0.79	345.0	0.6	0.5	1,932,679.62	2,726,896.67	36° 18' 41.33 N	107° 49' 13.51 W
375.0	0.20	16.09	375.0	0.7	0.5	1,932,679.75	2,726,896.68	36° 18' 41.34 N	107° 49' 13.51 W
438.0	0.60	53.29	438.0	1.0	0.8	1,932,680.05	2,726,896.98	36° 18' 41.34 N	107° 49' 13.50 W



Survey Report - Geographic

Company: EnCana Oil & Gas (USA) Inc
 Project: San Juan County, NM
 Site: S17-T24N-R9W (Escrito)
 Well: Escrito L17-2409 02H
 Wellbore: Hz
 Design: FINAL

Local Co-ordinate Reference: Well Escrito L17-2409 02H
 TVD Reference: WELL @ 6808.0usft (Aztec 950)
 MD Reference: WELL @ 6808.0usft (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
460.0	0.50	25.59	460.0	1.2	0.9	1,932,680.21	2,726,897.11	36° 18' 41.34 N	107° 49' 13.50 W
620.0	0.70	19.99	620.0	2.7	1.6	1,932,681.76	2,726,897.75	36° 18' 41.36 N	107° 49' 13.49 W
682.0	0.40	357.39	682.0	3.3	1.7	1,932,682.33	2,726,897.87	36° 18' 41.36 N	107° 49' 13.49 W
743.0	0.60	47.29	743.0	3.7	1.9	1,932,682.76	2,726,898.09	36° 18' 41.37 N	107° 49' 13.49 W
804.0	0.30	9.59	804.0	4.1	2.2	1,932,683.13	2,726,898.35	36° 18' 41.37 N	107° 49' 13.49 W
865.0	0.70	352.09	865.0	4.6	2.1	1,932,683.66	2,726,898.33	36° 18' 41.37 N	107° 49' 13.49 W
926.0	0.90	295.49	926.0	5.2	1.7	1,932,684.24	2,726,897.85	36° 18' 41.38 N	107° 49' 13.49 W
987.0	0.90	260.29	987.0	5.3	0.7	1,932,684.36	2,726,896.94	36° 18' 41.38 N	107° 49' 13.50 W
1,048.0	0.70	222.19	1,048.0	5.0	0.0	1,932,684.00	2,726,896.22	36° 18' 41.38 N	107° 49' 13.51 W
1,108.0	0.70	186.49	1,108.0	4.4	-0.3	1,932,683.37	2,726,895.93	36° 18' 41.37 N	107° 49' 13.52 W
1,169.0	0.80	191.39	1,168.9	3.6	-0.4	1,932,682.58	2,726,895.81	36° 18' 41.36 N	107° 49' 13.52 W
1,230.0	0.80	196.49	1,229.9	2.7	-0.6	1,932,681.75	2,726,895.60	36° 18' 41.36 N	107° 49' 13.52 W
1,292.0	1.00	191.89	1,291.9	1.8	-0.8	1,932,680.81	2,726,895.37	36° 18' 41.35 N	107° 49' 13.52 W
1,353.0	1.30	185.69	1,352.9	0.6	-1.0	1,932,679.60	2,726,895.19	36° 18' 41.33 N	107° 49' 13.52 W
1,413.0	1.30	201.39	1,412.9	-0.7	-1.3	1,932,678.29	2,726,894.87	36° 18' 41.32 N	107° 49' 13.53 W
1,474.0	1.40	201.09	1,473.9	-2.1	-1.8	1,932,676.95	2,726,894.35	36° 18' 41.31 N	107° 49' 13.53 W
1,537.0	0.40	84.99	1,536.9	-2.8	-1.9	1,932,676.25	2,726,894.29	36° 18' 41.30 N	107° 49' 13.54 W
1,599.0	0.80	54.19	1,598.9	-2.5	-1.3	1,932,676.52	2,726,894.86	36° 18' 41.30 N	107° 49' 13.53 W
1,662.0	0.20	69.29	1,661.9	-2.2	-0.9	1,932,676.82	2,726,895.32	36° 18' 41.31 N	107° 49' 13.52 W
1,725.0	0.40	28.09	1,724.9	-2.0	-0.7	1,932,677.05	2,726,895.53	36° 18' 41.31 N	107° 49' 13.52 W
1,788.0	0.40	29.89	1,787.9	-1.6	-0.5	1,932,677.44	2,726,895.74	36° 18' 41.31 N	107° 49' 13.52 W
1,851.0	0.70	39.79	1,850.9	-1.1	-0.1	1,932,677.92	2,726,896.10	36° 18' 41.32 N	107° 49' 13.51 W
1,913.0	0.40	24.79	1,912.9	-0.6	0.2	1,932,678.41	2,726,896.43	36° 18' 41.32 N	107° 49' 13.51 W
1,976.0	0.50	18.79	1,975.9	-0.1	0.4	1,932,678.87	2,726,896.61	36° 18' 41.33 N	107° 49' 13.51 W
2,040.0	0.70	343.29	2,039.9	0.5	0.4	1,932,679.51	2,726,896.59	36° 18' 41.33 N	107° 49' 13.51 W
2,103.0	0.80	304.19	2,102.9	1.1	-0.1	1,932,680.12	2,726,896.11	36° 18' 41.34 N	107° 49' 13.51 W
2,166.0	0.70	302.69	2,165.9	1.6	-0.8	1,932,680.58	2,726,895.42	36° 18' 41.34 N	107° 49' 13.52 W
2,229.0	0.90	301.49	2,228.8	2.0	-1.5	1,932,681.05	2,726,894.68	36° 18' 41.35 N	107° 49' 13.53 W
2,292.0	0.90	329.99	2,291.8	2.7	-2.2	1,932,681.73	2,726,894.01	36° 18' 41.35 N	107° 49' 13.54 W
2,355.0	0.80	297.09	2,354.8	3.4	-2.8	1,932,682.36	2,726,893.37	36° 18' 41.36 N	107° 49' 13.55 W
2,418.0	0.40	309.89	2,417.8	3.7	-3.4	1,932,682.70	2,726,892.81	36° 18' 41.36 N	107° 49' 13.55 W
2,481.0	0.20	251.99	2,480.8	3.8	-3.7	1,932,682.81	2,726,892.54	36° 18' 41.37 N	107° 49' 13.56 W
2,544.0	0.30	337.39	2,543.8	3.9	-3.8	1,932,682.93	2,726,892.37	36° 18' 41.37 N	107° 49' 13.56 W
2,607.0	0.20	213.69	2,606.8	4.0	-3.9	1,932,682.99	2,726,892.24	36° 18' 41.37 N	107° 49' 13.56 W
2,670.0	0.50	258.39	2,669.8	3.8	-4.3	1,932,682.84	2,726,891.91	36° 18' 41.37 N	107° 49' 13.56 W
2,733.0	0.10	205.79	2,732.8	3.7	-4.6	1,932,682.74	2,726,891.62	36° 18' 41.36 N	107° 49' 13.57 W
2,796.0	0.40	162.39	2,795.8	3.5	-4.5	1,932,682.48	2,726,891.66	36° 18' 41.36 N	107° 49' 13.57 W
2,859.0	0.80	146.49	2,858.8	2.9	-4.2	1,932,681.90	2,726,891.97	36° 18' 41.36 N	107° 49' 13.56 W
2,923.0	0.80	166.49	2,922.8	2.1	-3.9	1,932,681.09	2,726,892.32	36° 18' 41.35 N	107° 49' 13.56 W
2,986.0	0.70	180.49	2,985.8	1.3	-3.8	1,932,680.28	2,726,892.42	36° 18' 41.34 N	107° 49' 13.56 W
3,049.0	0.40	161.89	3,048.8	0.7	-3.7	1,932,679.69	2,726,892.49	36° 18' 41.33 N	107° 49' 13.56 W
3,111.0	0.50	198.59	3,110.8	0.2	-3.7	1,932,679.23	2,726,892.47	36° 18' 41.33 N	107° 49' 13.56 W
3,174.0	0.60	191.29	3,173.8	-0.4	-3.9	1,932,678.64	2,726,892.32	36° 18' 41.32 N	107° 49' 13.56 W
3,237.0	0.70	192.29	3,236.8	-1.1	-4.0	1,932,677.94	2,726,892.17	36° 18' 41.32 N	107° 49' 13.56 W
3,300.0	0.50	219.89	3,299.8	-1.7	-4.3	1,932,677.36	2,726,891.91	36° 18' 41.31 N	107° 49' 13.56 W
3,363.0	0.50	221.69	3,362.8	-2.1	-4.6	1,932,676.94	2,726,891.55	36° 18' 41.31 N	107° 49' 13.57 W
3,426.0	0.40	271.49	3,425.8	-2.3	-5.0	1,932,676.74	2,726,891.15	36° 18' 41.31 N	107° 49' 13.57 W
3,489.0	0.30	221.19	3,488.8	-2.4	-5.4	1,932,676.62	2,726,890.82	36° 18' 41.30 N	107° 49' 13.58 W
3,552.0	0.90	205.49	3,551.8	-3.0	-5.7	1,932,676.05	2,726,890.50	36° 18' 41.30 N	107° 49' 13.58 W
3,615.0	1.00	181.59	3,614.8	-4.0	-5.9	1,932,675.05	2,726,890.27	36° 18' 41.29 N	107° 49' 13.58 W
3,678.0	1.10	175.19	3,677.8	-5.1	-5.9	1,932,673.90	2,726,890.31	36° 18' 41.28 N	107° 49' 13.58 W
3,741.0	0.70	164.79	3,740.8	-6.1	-5.7	1,932,672.93	2,726,890.46	36° 18' 41.27 N	107° 49' 13.58 W
3,804.0	0.40	156.19	3,803.8	-6.7	-5.5	1,932,672.36	2,726,890.65	36° 18' 41.26 N	107° 49' 13.58 W
3,868.0	1.10	185.79	3,867.7	-7.5	-5.5	1,932,671.54	2,726,890.68	36° 18' 41.25 N	107° 49' 13.58 W
3,930.0	2.40	190.89	3,929.7	-9.3	-5.8	1,932,669.67	2,726,890.37	36° 18' 41.24 N	107° 49' 13.58 W



Survey Report - Geographic

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S17-T24N-R9W (Escrito)
Well: Escrito L17-2409 02H
Wellbore: Hz
Design: FINAL

Local Co-ordinate Reference: Well Escrito L17-2409 02H
TVD Reference: WELL @ 6808.0usft (Aztec 950)
MD Reference: WELL @ 6808.0usft (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
3,993.0	2.80	189.39	3,992.6	-12.2	-6.3	1,932,666.86	2,726,889.88	36° 18' 41.21 N	107° 49' 13.59 W
4,057.0	3.10	186.29	4,056.6	-15.4	-6.8	1,932,663.60	2,726,889.43	36° 18' 41.18 N	107° 49' 13.59 W
4,119.0	3.30	187.99	4,118.5	-18.8	-7.2	1,932,660.16	2,726,889.00	36° 18' 41.14 N	107° 49' 13.60 W
4,183.0	3.60	185.89	4,182.4	-22.7	-7.7	1,932,656.34	2,726,888.54	36° 18' 41.10 N	107° 49' 13.61 W
4,245.0	4.00	191.59	4,244.2	-26.7	-8.3	1,932,652.29	2,726,887.91	36° 18' 41.06 N	107° 49' 13.61 W
4,308.0	3.70	188.89	4,307.1	-30.9	-9.0	1,932,648.12	2,726,887.15	36° 18' 41.02 N	107° 49' 13.62 W
4,371.0	3.80	184.39	4,369.9	-35.0	-9.5	1,932,644.03	2,726,886.68	36° 18' 40.98 N	107° 49' 13.63 W
4,434.0	3.10	189.89	4,432.8	-38.7	-10.0	1,932,640.27	2,726,886.23	36° 18' 40.94 N	107° 49' 13.63 W
4,497.0	2.80	191.49	4,495.7	-41.9	-10.6	1,932,637.09	2,726,885.63	36° 18' 40.91 N	107° 49' 13.64 W
4,525.0	2.70	189.69	4,523.7	-43.2	-10.8	1,932,635.77	2,726,885.38	36° 18' 40.90 N	107° 49' 13.64 W
4,541.0	2.70	185.29	4,539.7	-44.0	-10.9	1,932,635.02	2,726,885.28	36° 18' 40.89 N	107° 49' 13.65 W
4,573.0	3.80	187.89	4,571.6	-45.8	-11.1	1,932,633.22	2,726,885.07	36° 18' 40.88 N	107° 49' 13.65 W
4,604.0	7.90	190.19	4,602.5	-48.9	-11.6	1,932,630.11	2,726,884.55	36° 18' 40.84 N	107° 49' 13.65 W
4,636.0	12.50	185.99	4,634.0	-54.5	-12.4	1,932,624.49	2,726,883.80	36° 18' 40.79 N	107° 49' 13.66 W
4,667.0	16.30	185.89	4,664.0	-62.2	-13.2	1,932,616.83	2,726,883.01	36° 18' 40.71 N	107° 49' 13.67 W
4,699.0	19.10	184.89	4,694.5	-71.9	-14.1	1,932,607.14	2,726,882.10	36° 18' 40.62 N	107° 49' 13.68 W
4,730.0	22.10	186.89	4,723.5	-82.7	-15.2	1,932,596.30	2,726,880.97	36° 18' 40.51 N	107° 49' 13.70 W
4,762.0	25.60	187.19	4,752.7	-95.6	-16.8	1,932,583.46	2,726,879.38	36° 18' 40.38 N	107° 49' 13.72 W
4,793.0	28.00	186.49	4,780.4	-109.4	-18.5	1,932,569.58	2,726,877.73	36° 18' 40.25 N	107° 49' 13.74 W
4,825.0	29.60	188.19	4,808.4	-124.7	-20.5	1,932,554.29	2,726,875.75	36° 18' 40.09 N	107° 49' 13.76 W
4,857.0	31.80	188.49	4,836.0	-140.9	-22.8	1,932,538.13	2,726,873.39	36° 18' 39.93 N	107° 49' 13.79 W
4,888.0	34.20	186.49	4,862.0	-157.6	-25.0	1,932,521.39	2,726,871.20	36° 18' 39.77 N	107° 49' 13.82 W
4,920.0	36.30	187.49	4,888.1	-175.9	-27.3	1,932,503.06	2,726,868.95	36° 18' 39.59 N	107° 49' 13.85 W
4,952.0	37.80	186.49	4,913.6	-195.1	-29.6	1,932,483.92	2,726,866.61	36° 18' 39.40 N	107° 49' 13.87 W
4,983.0	40.50	184.99	4,937.7	-214.6	-31.6	1,932,464.45	2,726,864.67	36° 18' 39.21 N	107° 49' 13.90 W
5,014.0	43.40	183.89	4,960.7	-235.2	-33.2	1,932,443.79	2,726,863.07	36° 18' 39.00 N	107° 49' 13.92 W
5,045.0	45.90	182.49	4,982.8	-257.0	-34.4	1,932,422.04	2,726,861.87	36° 18' 38.79 N	107° 49' 13.93 W
5,077.0	48.70	181.09	5,004.5	-280.5	-35.1	1,932,398.54	2,726,861.15	36° 18' 38.55 N	107° 49' 13.94 W
5,109.0	52.30	180.99	5,024.8	-305.2	-35.5	1,932,373.86	2,726,860.70	36° 18' 38.31 N	107° 49' 13.95 W
5,140.0	55.20	181.89	5,043.2	-330.1	-36.2	1,932,348.87	2,726,860.08	36° 18' 38.06 N	107° 49' 13.95 W
5,171.0	57.40	183.89	5,060.4	-355.9	-37.5	1,932,323.11	2,726,858.78	36° 18' 37.81 N	107° 49' 13.97 W
5,202.0	57.80	188.59	5,077.0	-381.9	-40.3	1,932,297.11	2,726,855.94	36° 18' 37.55 N	107° 49' 14.00 W
5,233.0	57.70	194.69	5,093.5	-407.6	-45.6	1,932,271.44	2,726,850.66	36° 18' 37.30 N	107° 49' 14.07 W
5,265.0	58.80	198.39	5,110.4	-433.6	-53.3	1,932,245.37	2,726,842.91	36° 18' 37.04 N	107° 49' 14.16 W
5,296.0	61.50	200.99	5,125.8	-458.9	-62.4	1,932,220.06	2,726,833.85	36° 18' 36.79 N	107° 49' 14.27 W
5,328.0	65.60	202.99	5,140.0	-485.5	-73.1	1,932,193.50	2,726,823.12	36° 18' 36.53 N	107° 49' 14.41 W
5,359.0	68.40	207.09	5,152.2	-511.3	-85.2	1,932,167.66	2,726,811.05	36° 18' 36.27 N	107° 49' 14.55 W
5,391.0	67.60	211.09	5,164.2	-537.3	-99.6	1,932,141.73	2,726,796.63	36° 18' 36.01 N	107° 49' 14.73 W
5,422.0	66.90	214.89	5,176.1	-561.2	-115.2	1,932,117.76	2,726,781.08	36° 18' 35.78 N	107° 49' 14.92 W
5,454.0	67.50	218.99	5,188.6	-584.8	-132.9	1,932,094.18	2,726,763.36	36° 18' 35.54 N	107° 49' 15.14 W
5,486.0	68.50	221.59	5,200.5	-607.4	-152.1	1,932,071.55	2,726,744.18	36° 18' 35.32 N	107° 49' 15.37 W
5,517.0	69.30	224.99	5,211.7	-628.5	-171.9	1,932,050.50	2,726,724.35	36° 18' 35.11 N	107° 49' 15.61 W
5,549.0	70.30	228.49	5,222.8	-649.1	-193.8	1,932,029.92	2,726,702.49	36° 18' 34.91 N	107° 49' 15.88 W
5,580.0	71.80	230.89	5,232.8	-668.0	-216.1	1,932,010.96	2,726,680.13	36° 18' 34.72 N	107° 49' 16.15 W
5,611.0	74.60	232.89	5,241.8	-686.3	-239.5	1,931,992.64	2,726,656.79	36° 18' 34.54 N	107° 49' 16.44 W
5,643.0	77.00	234.69	5,249.6	-704.7	-264.5	1,931,974.31	2,726,631.76	36° 18' 34.36 N	107° 49' 16.74 W
5,674.0	78.20	238.79	5,256.3	-721.3	-289.8	1,931,957.71	2,726,606.46	36° 18' 34.20 N	107° 49' 17.05 W
5,706.0	76.90	242.69	5,263.2	-736.5	-317.1	1,931,942.43	2,726,579.21	36° 18' 34.04 N	107° 49' 17.39 W
5,737.0	75.90	245.49	5,270.5	-749.7	-344.2	1,931,929.26	2,726,552.11	36° 18' 33.91 N	107° 49' 17.72 W
5,769.0	76.60	247.79	5,278.1	-762.0	-372.7	1,931,916.93	2,726,523.58	36° 18' 33.79 N	107° 49' 18.07 W
5,800.0	76.20	250.89	5,285.4	-772.7	-400.9	1,931,906.30	2,726,495.39	36° 18' 33.69 N	107° 49' 18.41 W
5,832.0	77.00	253.29	5,292.8	-782.2	-430.5	1,931,896.72	2,726,465.78	36° 18' 33.59 N	107° 49' 18.77 W
5,863.0	78.00	255.19	5,299.5	-790.5	-459.6	1,931,888.50	2,726,436.65	36° 18' 33.51 N	107° 49' 19.13 W
5,895.0	79.50	256.99	5,305.8	-798.0	-490.1	1,931,880.95	2,726,406.19	36° 18' 33.44 N	107° 49' 19.50 W
5,926.0	81.10	258.99	5,311.0	-804.4	-520.0	1,931,874.58	2,726,376.31	36° 18' 33.37 N	107° 49' 19.87 W



Survey Report - Geographic

Company: EnCana Oil & Gas (USA) Inc
 Project: San Juan County, NM
 Site: S17-T24N-R9W (Escrito)
 Well: Escrito L17-2409 02H
 Wellbore: Hz
 Design: FINAL

Local Co-ordinate Reference: Well Escrito L17-2409 02H
 TVD Reference: WELL @ 6808.0usft (Aztec 950)
 MD Reference: WELL @ 6808.0usft (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
5,957.0	82.80	259.89	5,315.3	-810.0	-550.2	1,931,868.95	2,726,346.13	36° 18' 33.32 N	107° 49' 20.23 W
5,989.0	85.20	260.59	5,318.7	-815.4	-581.5	1,931,863.55	2,726,314.77	36° 18' 33.26 N	107° 49' 20.62 W
6,018.0	87.40	261.09	5,320.5	-820.0	-610.1	1,931,858.94	2,726,286.21	36° 18' 33.22 N	107° 49' 20.97 W
6,052.0	88.80	261.79	5,321.7	-825.0	-643.7	1,931,853.88	2,726,252.61	36° 18' 33.17 N	107° 49' 21.38 W
6,084.0	89.10	261.99	5,322.2	-829.6	-675.4	1,931,849.36	2,726,220.93	36° 18' 33.12 N	107° 49' 21.76 W
6,115.0	89.90	262.09	5,322.5	-833.9	-706.1	1,931,845.06	2,726,190.23	36° 18' 33.08 N	107° 49' 22.14 W
6,147.0	89.60	262.89	5,322.7	-838.0	-737.8	1,931,840.87	2,726,158.51	36° 18' 33.04 N	107° 49' 22.53 W
6,178.0	89.30	263.39	5,323.0	-841.7	-768.6	1,931,837.16	2,726,127.73	36° 18' 33.00 N	107° 49' 22.90 W
6,241.0	90.10	264.19	5,323.3	-848.6	-831.2	1,931,830.33	2,726,065.11	36° 18' 32.94 N	107° 49' 23.67 W
6,304.0	90.50	265.09	5,323.0	-854.5	-893.9	1,931,824.43	2,726,002.39	36° 18' 32.88 N	107° 49' 24.43 W
6,367.0	90.10	266.59	5,322.6	-859.0	-956.8	1,931,819.85	2,725,939.56	36° 18' 32.83 N	107° 49' 25.20 W
6,381.0	90.40	268.89	5,322.6	-859.6	-970.7	1,931,819.30	2,725,925.57	36° 18' 32.83 N	107° 49' 25.37 W
6,442.0	90.80	269.59	5,321.9	-860.4	-1,031.7	1,931,818.48	2,725,864.58	36° 18' 32.82 N	107° 49' 26.12 W
6,505.0	92.00	270.49	5,320.4	-860.4	-1,094.7	1,931,818.51	2,725,801.60	36° 18' 32.82 N	107° 49' 26.89 W
6,568.0	91.70	271.39	5,318.4	-859.3	-1,157.7	1,931,819.53	2,725,738.64	36° 18' 32.83 N	107° 49' 27.66 W
6,631.0	90.40	271.99	5,317.2	-857.5	-1,220.6	1,931,821.37	2,725,675.68	36° 18' 32.85 N	107° 49' 28.43 W
6,694.0	91.30	271.99	5,316.3	-855.3	-1,283.6	1,931,823.55	2,725,612.72	36° 18' 32.87 N	107° 49' 29.20 W
6,757.0	90.10	271.49	5,315.5	-853.4	-1,346.5	1,931,825.45	2,725,549.76	36° 18' 32.89 N	107° 49' 29.97 W
6,820.0	91.00	270.89	5,314.9	-852.1	-1,409.5	1,931,826.74	2,725,486.78	36° 18' 32.90 N	107° 49' 30.73 W
6,883.0	89.90	270.59	5,314.4	-851.3	-1,472.5	1,931,827.54	2,725,423.78	36° 18' 32.91 N	107° 49' 31.50 W
6,946.0	89.40	269.79	5,314.8	-851.1	-1,535.5	1,931,827.74	2,725,360.79	36° 18' 32.91 N	107° 49' 32.27 W
7,009.0	90.20	269.29	5,315.0	-851.6	-1,598.5	1,931,827.22	2,725,297.79	36° 18' 32.91 N	107° 49' 33.04 W
7,072.0	90.00	270.69	5,314.9	-851.6	-1,661.5	1,931,827.20	2,725,234.79	36° 18' 32.91 N	107° 49' 33.81 W
7,135.0	90.60	270.49	5,314.6	-850.9	-1,724.5	1,931,827.83	2,725,171.80	36° 18' 32.91 N	107° 49' 34.58 W
7,198.0	91.60	270.69	5,313.3	-850.3	-1,787.5	1,931,828.47	2,725,108.81	36° 18' 32.92 N	107° 49' 35.35 W
7,261.0	90.80	269.99	5,312.0	-849.9	-1,850.5	1,931,828.83	2,725,045.83	36° 18' 32.92 N	107° 49' 36.12 W
7,324.0	91.20	269.79	5,310.9	-850.1	-1,913.5	1,931,828.69	2,724,982.84	36° 18' 32.92 N	107° 49' 36.89 W
7,387.0	90.60	269.69	5,309.9	-850.4	-1,976.5	1,931,828.40	2,724,919.85	36° 18' 32.92 N	107° 49' 37.66 W
7,450.0	91.10	268.99	5,309.0	-851.1	-2,039.4	1,931,827.66	2,724,856.86	36° 18' 32.91 N	107° 49' 38.43 W
7,513.0	92.20	268.89	5,307.2	-852.3	-2,102.4	1,931,826.48	2,724,793.90	36° 18' 32.90 N	107° 49' 39.20 W
7,576.0	91.00	268.09	5,305.4	-853.9	-2,165.4	1,931,824.81	2,724,730.95	36° 18' 32.88 N	107° 49' 39.97 W
7,639.0	90.80	268.39	5,304.4	-855.9	-2,228.3	1,931,822.86	2,724,667.98	36° 18' 32.86 N	107° 49' 40.74 W
7,702.0	90.10	269.19	5,303.9	-857.2	-2,291.3	1,931,821.52	2,724,605.00	36° 18' 32.85 N	107° 49' 41.51 W
7,765.0	90.60	268.89	5,303.6	-858.2	-2,354.3	1,931,820.45	2,724,542.01	36° 18' 32.84 N	107° 49' 42.28 W
7,828.0	91.70	268.59	5,302.3	-859.6	-2,417.3	1,931,819.05	2,724,479.04	36° 18' 32.83 N	107° 49' 43.05 W
7,891.0	91.10	268.99	5,300.8	-861.0	-2,480.2	1,931,817.71	2,724,416.07	36° 18' 32.81 N	107° 49' 43.82 W
7,953.0	89.60	269.49	5,300.4	-861.8	-2,542.2	1,931,816.87	2,724,354.08	36° 18' 32.80 N	107° 49' 44.57 W
8,016.0	89.30	269.19	5,301.0	-862.5	-2,605.2	1,931,816.13	2,724,291.09	36° 18' 32.80 N	107° 49' 45.34 W
8,079.0	90.40	269.69	5,301.1	-863.1	-2,668.2	1,931,815.51	2,724,228.10	36° 18' 32.79 N	107° 49' 46.11 W
8,143.0	90.80	269.59	5,300.5	-863.6	-2,732.2	1,931,815.09	2,724,164.10	36° 18' 32.79 N	107° 49' 46.90 W
8,206.0	91.60	269.89	5,299.2	-863.8	-2,795.2	1,931,814.79	2,724,101.12	36° 18' 32.78 N	107° 49' 47.67 W
8,269.0	90.50	270.19	5,298.0	-863.8	-2,858.2	1,931,814.82	2,724,038.13	36° 18' 32.78 N	107° 49' 48.44 W
8,332.0	90.90	270.09	5,297.2	-863.7	-2,921.2	1,931,814.96	2,723,975.13	36° 18' 32.79 N	107° 49' 49.21 W
8,395.0	91.50	269.29	5,295.9	-864.0	-2,984.2	1,931,814.61	2,723,912.15	36° 18' 32.78 N	107° 49' 49.97 W
8,458.0	90.40	269.39	5,294.9	-864.7	-3,047.1	1,931,813.87	2,723,849.16	36° 18' 32.77 N	107° 49' 50.74 W
8,522.0	91.20	269.89	5,294.0	-865.1	-3,111.1	1,931,813.46	2,723,785.17	36° 18' 32.77 N	107° 49' 51.53 W
8,585.0	89.30	268.39	5,293.7	-866.1	-3,174.1	1,931,812.50	2,723,722.18	36° 18' 32.76 N	107° 49' 52.30 W
8,648.0	89.90	267.99	5,294.1	-868.1	-3,237.1	1,931,810.50	2,723,659.22	36° 18' 32.74 N	107° 49' 53.07 W
8,711.0	90.10	267.89	5,294.1	-870.4	-3,300.0	1,931,808.22	2,723,596.26	36° 18' 32.72 N	107° 49' 53.83 W
8,774.0	91.20	267.89	5,293.4	-872.7	-3,363.0	1,931,805.89	2,723,533.31	36° 18' 32.70 N	107° 49' 54.60 W
8,837.0	90.30	267.69	5,292.6	-875.1	-3,425.9	1,931,803.45	2,723,470.36	36° 18' 32.67 N	107° 49' 55.37 W
8,900.0	91.10	267.39	5,291.8	-877.8	-3,488.9	1,931,800.73	2,723,407.43	36° 18' 32.64 N	107° 49' 56.14 W
8,963.0	91.30	268.79	5,290.5	-879.9	-3,551.8	1,931,798.62	2,723,344.48	36° 18' 32.62 N	107° 49' 56.91 W
9,026.0	89.70	268.49	5,290.0	-881.4	-3,614.8	1,931,797.11	2,723,281.50	36° 18' 32.61 N	107° 49' 57.68 W
9,089.0	90.20	268.39	5,290.0	-883.1	-3,677.8	1,931,795.38	2,723,218.52	36° 18' 32.59 N	107° 49' 58.45 W



Survey Report - Geographic

Company: EnCana Oil & Gas (USA) Inc
 Project: San Juan County, NM
 Site: S17-T24N-R9W (Escrito)
 Well: Escrito L17-2409 02H
 Wellbore: Hz
 Design: FINAL

Local Co-ordinate Reference: Well Escrito L17-2409 02H
 TVD Reference: WELL @ 6808.0usft (Aztec 950)
 MD Reference: WELL @ 6808.0usft (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
9,152.0	90.00	268.99	5,289.9	-884.6	-3,740.8	1,931,793.93	2,723,155.54	36° 18' 32.58 N	107° 49' 59.22 W
9,215.0	90.40	268.89	5,289.7	-885.8	-3,803.8	1,931,792.75	2,723,092.55	36° 18' 32.57 N	107° 49' 59.99 W
9,277.0	90.00	270.69	5,289.5	-886.0	-3,865.8	1,931,792.51	2,723,030.56	36° 18' 32.56 N	107° 50' 0.75 W
9,340.0	90.10	271.39	5,289.4	-884.8	-3,928.7	1,931,793.64	2,722,967.57	36° 18' 32.57 N	107° 50' 1.52 W
9,403.0	91.10	270.99	5,288.8	-883.5	-3,991.7	1,931,794.94	2,722,904.58	36° 18' 32.59 N	107° 50' 2.29 W
9,466.0	91.70	272.09	5,287.2	-881.9	-4,054.7	1,931,796.62	2,722,841.63	36° 18' 32.60 N	107° 50' 3.06 W
9,529.0	90.90	273.19	5,285.8	-879.0	-4,117.6	1,931,799.50	2,722,778.71	36° 18' 32.63 N	107° 50' 3.82 W
9,592.0	91.50	272.99	5,284.5	-875.6	-4,180.5	1,931,802.89	2,722,715.82	36° 18' 32.67 N	107° 50' 4.59 W
9,655.0	91.10	272.49	5,283.0	-872.6	-4,243.4	1,931,805.88	2,722,652.90	36° 18' 32.70 N	107° 50' 5.36 W
9,718.0	89.40	271.29	5,282.8	-870.5	-4,306.4	1,931,807.95	2,722,589.94	36° 18' 32.72 N	107° 50' 6.13 W
9,781.0	89.60	270.69	5,283.3	-869.4	-4,369.4	1,931,809.02	2,722,526.95	36° 18' 32.73 N	107° 50' 6.90 W
9,844.0	90.30	270.39	5,283.4	-868.8	-4,432.4	1,931,809.61	2,722,463.96	36° 18' 32.73 N	107° 50' 7.67 W
9,907.0	90.80	269.99	5,282.8	-868.6	-4,495.3	1,931,809.80	2,722,400.96	36° 18' 32.73 N	107° 50' 8.44 W
9,969.0	91.70	269.99	5,281.4	-868.6	-4,557.3	1,931,809.78	2,722,338.98	36° 18' 32.73 N	107° 50' 9.20 W
10,032.0	91.10	268.99	5,279.9	-869.2	-4,620.3	1,931,809.20	2,722,276.00	36° 18' 32.73 N	107° 50' 9.97 W
10,095.0	91.60	268.49	5,278.4	-870.6	-4,683.3	1,931,807.81	2,722,213.03	36° 18' 32.71 N	107° 50' 10.74 W
10,157.0	90.30	267.99	5,277.4	-872.5	-4,745.2	1,931,805.89	2,722,151.07	36° 18' 32.70 N	107° 50' 11.49 W
10,220.0	90.80	267.39	5,276.8	-875.0	-4,808.2	1,931,803.34	2,722,088.13	36° 18' 32.67 N	107° 50' 12.26 W
10,283.0	91.60	267.09	5,275.4	-878.1	-4,871.1	1,931,800.29	2,722,025.22	36° 18' 32.64 N	107° 50' 13.03 W
10,346.0	90.70	268.29	5,274.2	-880.6	-4,934.0	1,931,797.74	2,721,962.28	36° 18' 32.62 N	107° 50' 13.80 W
10,409.0	91.30	268.29	5,273.1	-882.5	-4,997.0	1,931,795.85	2,721,899.32	36° 18' 32.60 N	107° 50' 14.57 W
10,473.0	90.40	267.99	5,272.1	-884.6	-5,060.9	1,931,793.76	2,721,835.36	36° 18' 32.58 N	107° 50' 15.35 W
10,536.0	91.10	267.89	5,271.3	-886.8	-5,123.9	1,931,791.48	2,721,772.41	36° 18' 32.55 N	107° 50' 16.12 W
10,566.0	91.60	267.89	5,270.6	-888.0	-5,153.9	1,931,790.37	2,721,742.44	36° 18' 32.54 N	107° 50' 16.49 W
Last CES Survey @ 10,566' MD									
10,614.0	91.60	267.89	5,269.3	-889.7	-5,201.8	1,931,788.60	2,721,694.49	36° 18' 32.52 N	107° 50' 17.07 W
PTB @ 10,614' - Escrito L17-2409 02H PBHL P5									

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									
Escrito L17-2409 02H PI	90.30	90.00	5,297.7	-825.9	-5,214.9	1,931,852.45	2,721,681.38	36° 18' 33.16 N	107° 50' 17.23 W
- actual wellpath misses target center by 71.1usft at 10614.0usft MD (5269.3 TVD, -889.7 N, -5201.8 E)									
- Point									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,566.0	5,270.6	-888.0	-5,153.9	Last CES Survey @ 10,566' MD
10,614.0	5,269.3	-889.7	-5,201.8	PTB @ 10,614'

Checked By: _____ Approved By: _____ Date: _____