

CONFIDENTIAL

DISTRICT I1625 N. French Dr., Hobbs, N.M. 88240
Phone: (505) 393-5151 Fax: (505) 393-0720**DISTRICT II**811 S. First St., Artesia, N.M. 88210
Phone: (505) 748-1253 Fax: (505) 748-0720**DISTRICT III**1000 Rio Bravo Rd., Artesia, N.M. 87410
Phone: (505) 334-5178 Fax: (505) 334-5170**DISTRICT IV**1820 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3450 Fax: (505) 476-3452State of New Mexico
Energy, Minerals & Natural Resources DepartmentForm C-102
Revised August 1, 2011Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505☐ AMENDED REPORT
☒ AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-31148		*Pool Code 22619	*Pool Name ESCRITO GALLUP (ASSOCIATED)
*Property Code 39953	*Property Name ESCRITO E26-2407		*Well Number 01H
*GRID No. 282327	*Operator Name ENCANA OIL & GAS (USA) INC.		*Elevation 6767'

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
E	26	24N	7W		1768'	NORTH	431'	WEST	RIO ARRIBA

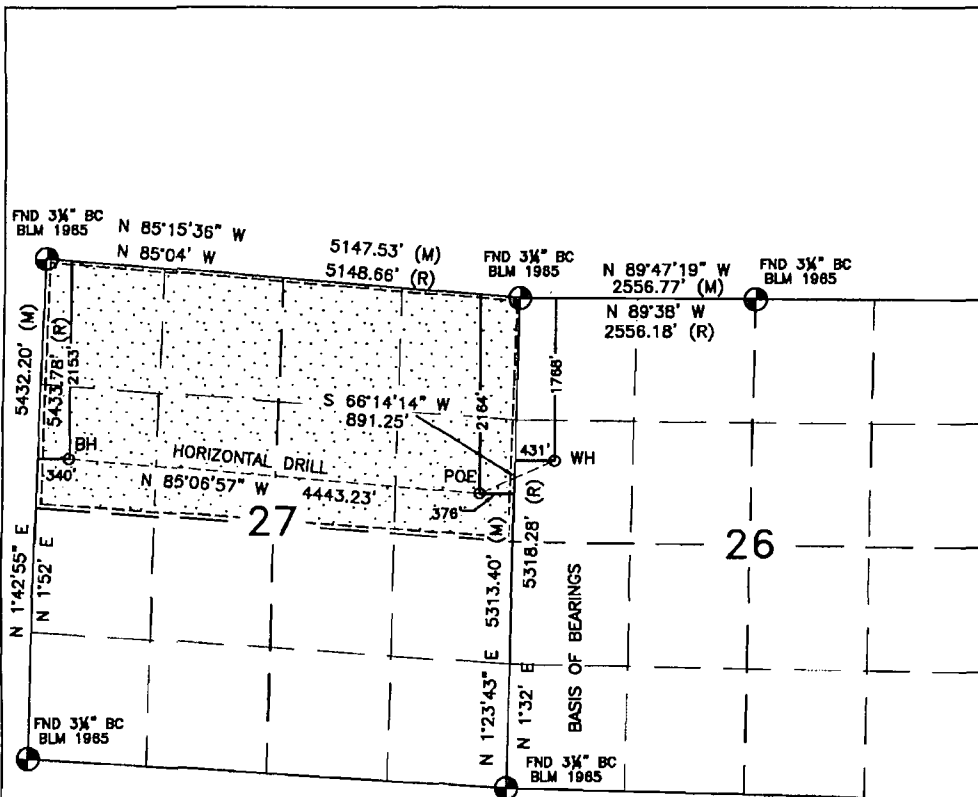
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	27	24N	7W		2153'	NORTH	340'	WEST	RIO ARRIBA

*Dedicated Acres 320.00 ACRES N/2 SEC. 27	*Joint or Infill PROJECT AREA	*Consolidation Code	*Order No. RCVD SEP 18 '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

16



BOTTOM HOLE
LAT. 36.286223° N (NAD83)
LONG. 107.570198° W (NAD83)
LAT. 36.286210° N (NAD27)
LONG. 107.569591° W (NAD27)

ENTRY POINT
LAT. 36.285150° N (NAD83)
LONG. 107.555181° W (NAD83)
LAT. 36.285137° N (NAD27)
LONG. 107.554574° W (NAD27)

SURFACE LOCATION
LAT. 36.286130° N (NAD83)
LONG. 107.552410° W (NAD83)
LAT. 36.286117° N (NAD27)
LONG. 107.551803° W (NAD27)

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 _____ Date _____

Robynn Haden

Printed Name

robynn.haden@encana.com

E-mail Address

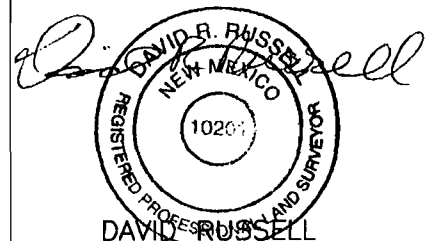
¹⁸ SURVEYOR CERTIFICATION

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.

AS-BUILT - AUGUST 22, 2013
SURVEYED - OCTOBER 31, 2012

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number

10201

AV

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DEVIATION SURVEYS

MD (Feet)	Inclination (Degree)
555	1.4
800	.30
1105	.80
1412	.20
1725	.10
2040	1.00
2354	.50
2669	.70
2985	.40
3300	.50
3615	.70
3930	1.00
4245	.60
4560	.70
4875	.60

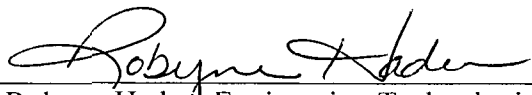
RCVD SEP 18 '13

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.



Robynn Haden, Engineering Technologist

9/16/13

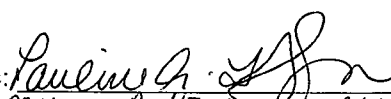
9/16/13

ACKNOWLEDGMENT

State of Colorado
City and County of Denver

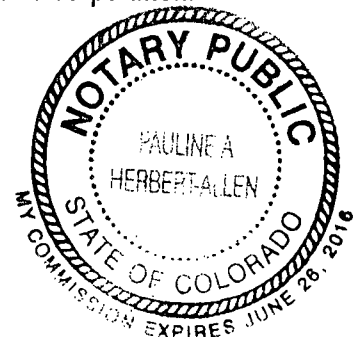
This instrument was acknowledged before me on this 16th day of September, 2013 by Robynn Haden as Attorney in Fact of Encana Oil & Gas (USA) Inc., on behalf of said corporation.

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

Notary Public: 
PAULINE A. HERBERT-ALLEN

My Commission Expires: June 26, 2016

AY



encana™

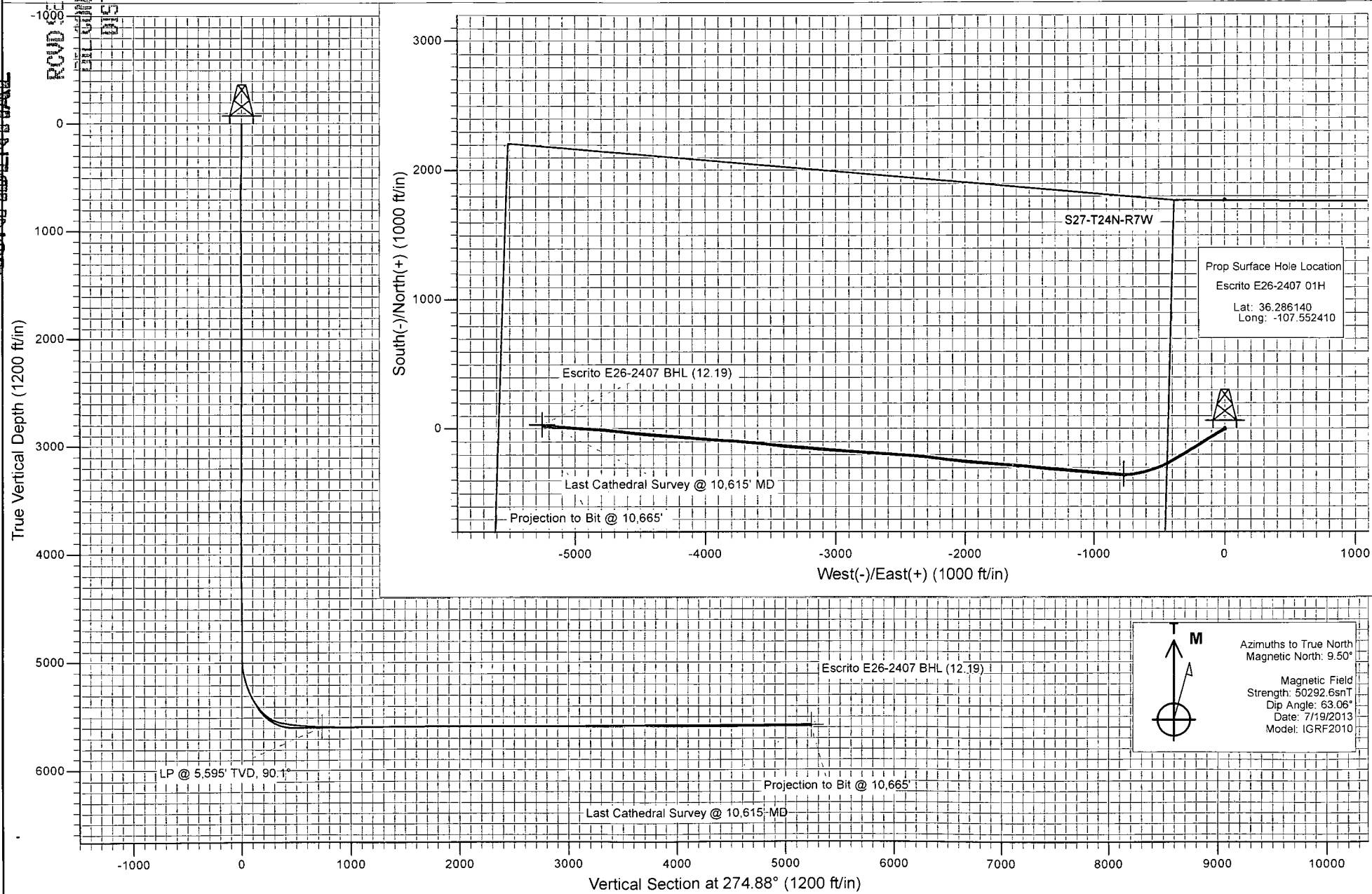
natural gas

Project: Rio Arriba County, NM
 Site: S26-T24N-R7W
 Well: Escrito E26-2407 01H
 Wellbore: HZ
 Design: FINAL



CONFIDENTIAL

ROAD 18'13"
 DIST. 3
 DIV. 15. DIV.

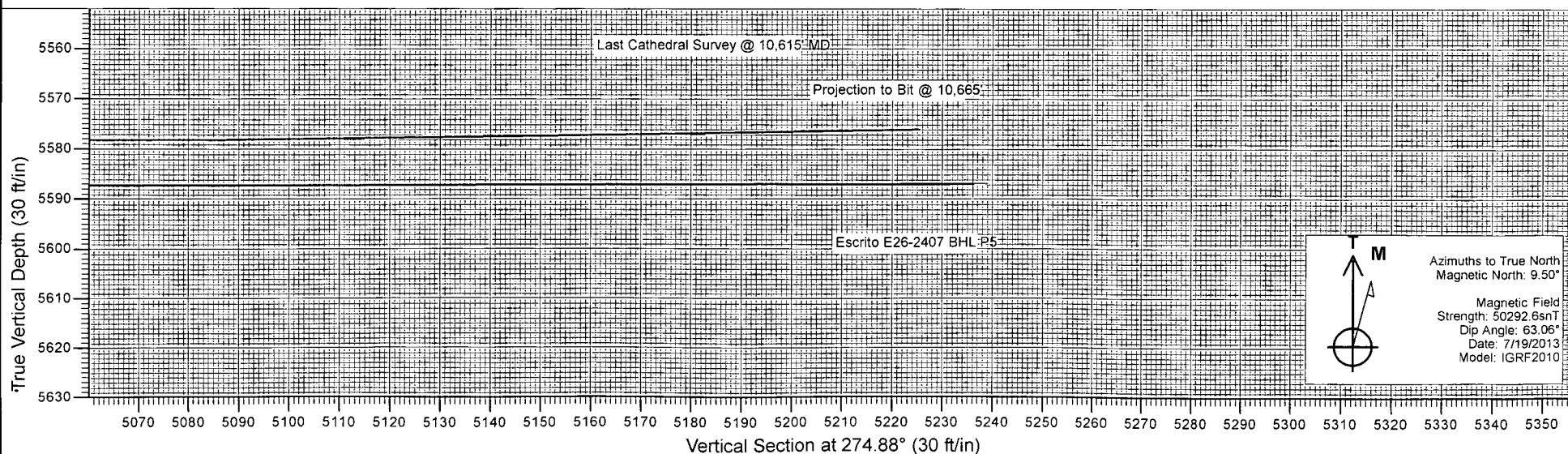
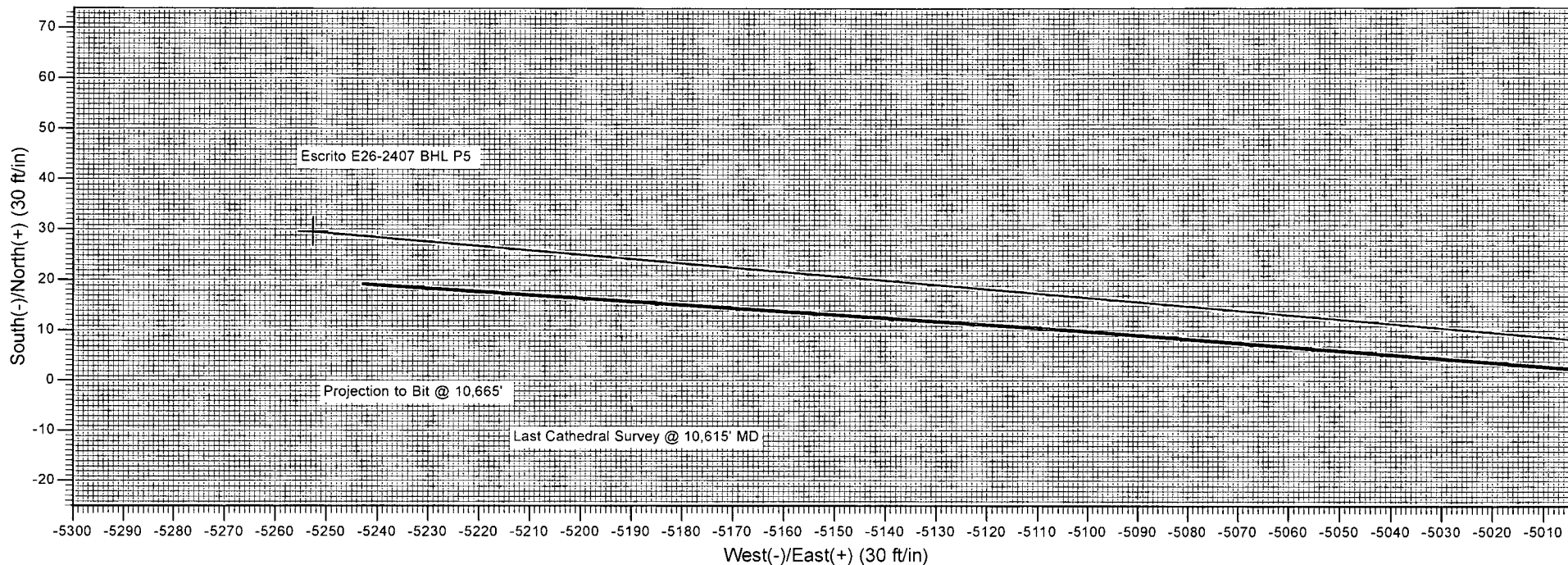


Prop Surface Hole Location
 Escrito E26-2407 01H
 Lat: 36.286140
 Long: -107.552410

Azimuths to True North
 Magnetic North: 9.50°
 Magnetic Field
 Strength: 50292.6snT
 Dip Angle: 63.06°
 Date: 7/19/2013
 Model: IGRF2010



Project: Rio Arriba County, NM
Site: S26-T24N-R7W
Well: Escrito E26-2407 01H
Wellbore: HZ
Design: FINAL



Cathedral Energy Services
Survey Report

CONFIDENTIAL

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Escrito E26-2407 01H
Project:	Rio Arriba County, NM	TVD Reference:	KB=16' @ 6782.0ft (Aztec 950)
Site:	S26-T24N-R7W	MD Reference:	KB=16' @ 6782.0ft (Aztec 950)
Well:	Escrito E26-2407 01H	North Reference:	True
Wellbore:	HZ	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Project	Rio Arriba County, NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site		S26-T24N-R7W			
Site Position:		Northing:	1,926,736.38 ft	Latitude:	36.288140
From:	Lat/Long	Easting:	1,256,585.41 ft	Longitude:	-107.552410
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-0.77 °

Well	Escrito E26-2407 01H					
Well Position	+N/-S	0.0 ft	Northing:	1,926,008.28 ft	Latitude:	36.286140
	+E/-W	0.0 ft	Easting:	1,256,575.61 ft	Longitude:	-107.552410
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,767.0 ft

Wellbore	HZ				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/19/2013	9.50	63.06	50,293

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	274.88

Survey Program	Date 8/5/2013				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
555.0	10,665.0	Survey #1 (HZ)	Geolink MWD	Geolink MWD	

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
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
555.0	1.40	50.50	554.9	4.3	5.2	-4.8	0.25	0.25	
616.0	0.20	269.20	615.9	4.8	5.7	-5.3	2.56	-1.97	
677.0	0.40	224.20	676.9	4.6	5.4	-5.0	0.48	0.33	
738.0	0.30	200.40	737.9	4.3	5.2	-4.9	0.29	-0.16	
800.0	0.30	209.20	799.9	4.0	5.1	-4.7	0.07	0.00	
861.0	0.50	202.80	860.9	3.7	4.9	-4.6	0.34	0.33	
922.0	0.60	207.90	921.9	3.1	4.7	-4.4	0.18	0.16	
983.0	0.70	210.60	982.9	2.5	4.3	-4.1	0.17	0.16	
1,045.0	0.80	205.60	1,044.9	1.8	4.0	-3.8	0.19	0.16	
1,105.0	0.80	209.70	1,104.9	1.1	3.6	-3.5	0.10	0.00	
1,166.0	0.70	212.30	1,165.9	0.4	3.2	-3.1	0.17	-0.16	
1,227.0	0.60	253.40	1,226.9	0.0	2.6	-2.6	0.76	-0.16	

Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Escrito E26-2407 01H
Project:	Rio Arriba County, NM	TVD Reference:	KB=16' @ 6782.0ft (Aztec 950)
Site:	S26-T24N-R7W	MD Reference:	KB=16' @ 6782.0ft (Aztec 950)
Well:	Escrito E26-2407 01H	North Reference:	True
Wellbore:	HZ	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
1,289.0	0.60	257.80	1,288.9	-0.2	2.0	-2.0	0.07	0.00	
1,350.0	0.30	239.80	1,349.9	-0.3	1.6	-1.6	0.54	-0.49	
1,412.0	0.20	315.60	1,411.9	-0.3	1.4	-1.4	0.51	-0.16	
1,473.0	0.40	241.70	1,472.9	-0.4	1.1	-1.1	0.65	0.33	
1,536.0	0.40	227.10	1,535.9	-0.6	0.7	-0.8	0.16	0.00	
1,599.0	0.60	189.70	1,598.9	-1.1	0.5	-0.6	0.59	0.32	
1,662.0	1.00	189.80	1,661.9	-2.0	0.4	-0.5	0.63	0.63	
1,725.0	0.10	169.40	1,724.9	-2.6	0.3	-0.5	1.44	-1.43	
1,788.0	0.20	169.30	1,787.9	-2.7	0.3	-0.5	0.16	0.16	
1,851.0	0.40	139.40	1,850.9	-3.0	0.5	-0.7	0.39	0.32	
1,914.0	0.50	165.50	1,913.9	-3.4	0.7	-1.0	0.36	0.16	
1,977.0	0.70	345.80	1,976.9	-3.3	0.7	-0.9	1.90	0.32	
2,040.0	1.00	343.70	2,039.9	-2.4	0.4	-0.6	0.48	0.48	
2,103.0	1.00	352.60	2,102.9	-1.3	0.2	-0.3	0.25	0.00	
2,166.0	0.90	328.60	2,165.9	-0.4	-0.1	0.1	0.65	-0.16	
2,229.0	1.00	321.50	2,228.9	0.5	-0.7	0.8	0.24	0.16	
2,291.0	0.60	28.80	2,290.8	1.2	-0.9	1.0	1.53	-0.65	
2,354.0	0.50	38.90	2,353.8	1.7	-0.6	0.7	0.22	-0.16	
2,417.0	0.30	43.60	2,416.8	2.0	-0.3	0.5	0.32	-0.32	
2,480.0	0.30	77.20	2,479.8	2.2	0.0	0.2	0.28	0.00	
2,543.0	0.70	109.90	2,542.8	2.1	0.5	-0.3	0.76	0.63	
2,606.0	0.50	113.80	2,605.8	1.8	1.1	-1.0	0.32	-0.32	
2,669.0	0.70	120.90	2,668.8	1.5	1.7	-1.6	0.34	0.32	
2,732.0	0.60	149.50	2,731.8	1.0	2.2	-2.1	0.53	-0.16	
2,796.0	0.90	171.70	2,795.8	0.3	2.4	-2.4	0.64	0.47	
2,859.0	0.60	193.70	2,858.8	-0.6	2.4	-2.5	0.65	-0.48	
2,922.0	0.40	214.70	2,921.8	-1.1	2.2	-2.3	0.43	-0.32	
2,985.0	0.40	190.50	2,984.8	-1.4	2.1	-2.2	0.27	0.00	
3,048.0	0.60	167.70	3,047.8	-2.0	2.1	-2.3	0.44	0.32	
3,110.0	0.90	166.10	3,109.8	-2.8	2.3	-2.5	0.49	0.48	
3,174.0	0.30	133.30	3,173.8	-3.4	2.5	-2.8	1.04	-0.94	
3,237.0	0.40	118.40	3,236.8	-3.6	2.8	-3.1	0.21	0.16	
3,300.0	0.50	144.20	3,299.8	-3.9	3.2	-3.5	0.35	0.16	
3,363.0	0.50	142.90	3,362.8	-4.4	3.5	-3.9	0.02	0.00	
3,426.0	0.80	152.50	3,425.8	-5.0	3.9	-4.3	0.50	0.48	
3,488.0	1.10	142.70	3,487.8	-5.8	4.4	-4.9	0.55	0.48	
3,551.0	0.70	111.30	3,550.8	-6.5	5.2	-5.7	0.99	-0.63	
3,615.0	0.70	94.00	3,614.8	-6.6	5.9	-6.5	0.33	0.00	
3,677.0	0.70	110.60	3,676.8	-6.8	6.7	-7.2	0.33	0.00	
3,740.0	0.30	150.60	3,739.8	-7.1	7.1	-7.7	0.81	-0.63	
3,804.0	0.50	193.40	3,803.8	-7.5	7.1	-7.7	0.54	0.31	
3,867.0	0.60	293.40	3,866.8	-7.6	6.7	-7.4	1.34	0.16	
3,930.0	1.00	306.20	3,929.8	-7.2	6.0	-6.6	0.69	0.63	
3,993.0	0.50	314.10	3,992.7	-6.6	5.4	-5.9	0.81	-0.79	
4,056.0	0.60	294.80	4,055.7	-6.3	4.9	-5.4	0.33	0.16	
4,119.0	0.50	263.20	4,118.7	-6.2	4.3	-4.8	0.50	-0.16	
4,182.0	0.10	151.70	4,181.7	-6.3	4.0	-4.6	0.86	-0.63	
4,245.0	0.60	180.80	4,244.7	-6.7	4.1	-4.6	0.82	0.79	
4,308.0	0.70	263.40	4,307.7	-7.0	3.7	-4.3	1.37	0.16	
4,371.0	1.40	281.90	4,370.7	-6.9	2.5	-3.1	1.22	1.11	
4,434.0	1.30	274.30	4,433.7	-6.7	1.1	-1.6	0.33	-0.16	
4,497.0	1.10	274.00	4,496.7	-6.6	-0.2	-0.3	0.32	-0.32	
4,560.0	0.70	251.30	4,559.7	-6.7	-1.2	0.6	0.84	-0.63	

Cathedral Energy Services

Survey Report

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Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
4,623.0	0.50	269.70	4,622.7	-6.8	-1.8	1.3	0.44	-0.32	
4,686.0	0.60	228.00	4,685.7	-7.0	-2.4	1.8	0.64	0.16	
4,749.0	0.70	183.90	4,748.7	-7.7	-2.6	2.0	0.79	0.16	
4,812.0	0.30	216.10	4,811.7	-8.2	-2.8	2.1	0.75	-0.63	
4,875.0	0.60	189.30	4,874.7	-8.6	-2.9	2.2	0.57	0.48	
4,935.0	0.20	118.00	4,934.7	-9.0	-2.9	2.1	0.95	-0.67	
4,956.0	0.50	91.60	4,955.7	-9.0	-2.7	2.0	1.59	1.43	
4,987.0	1.40	236.30	4,986.7	-9.2	-2.9	2.1	5.91	2.90	
5,019.0	4.80	241.00	5,018.6	-10.1	-4.4	3.5	10.65	10.62	
5,051.0	8.60	243.10	5,050.4	-11.8	-7.7	6.7	11.90	11.87	
5,082.0	12.10	241.00	5,080.9	-14.4	-12.6	11.4	11.35	11.29	
5,113.0	15.50	238.80	5,111.0	-18.2	-19.0	17.4	11.10	10.97	
5,145.0	17.90	238.80	5,141.6	-22.9	-26.9	24.8	7.50	7.50	
5,176.0	19.00	239.70	5,171.0	-27.9	-35.3	32.8	3.67	3.55	
5,208.0	20.90	242.60	5,201.1	-33.2	-44.9	41.9	6.69	5.94	
5,239.0	24.10	241.30	5,229.8	-38.8	-55.4	51.9	10.45	10.32	
5,271.0	27.00	238.80	5,258.6	-45.7	-67.3	63.2	9.67	9.06	
5,302.0	29.80	237.00	5,285.9	-53.5	-79.8	74.9	9.44	9.03	
5,334.0	32.70	237.00	5,313.2	-62.6	-93.7	88.0	9.06	9.06	
5,365.0	35.20	238.10	5,339.0	-71.9	-108.3	101.8	8.30	8.06	
5,397.0	37.90	237.90	5,364.7	-82.0	-124.5	117.0	8.45	8.44	
5,428.0	41.10	237.90	5,388.6	-92.4	-141.2	132.8	10.32	10.32	
5,460.0	44.20	236.90	5,412.1	-104.1	-159.4	150.0	9.92	9.69	
5,492.0	47.50	237.00	5,434.4	-116.6	-178.7	168.1	10.31	10.31	
5,523.0	51.20	237.00	5,454.6	-129.4	-198.4	186.7	11.94	11.94	
5,555.0	54.50	238.20	5,473.9	-143.1	-219.9	207.0	10.74	10.31	
5,586.0	57.70	238.40	5,491.2	-156.6	-241.8	227.6	10.34	10.32	
5,618.0	61.00	238.90	5,507.5	-170.9	-265.3	249.8	10.40	10.31	
5,649.0	65.20	238.20	5,521.5	-185.4	-288.9	272.1	13.70	13.55	
5,680.0	70.40	238.00	5,533.2	-200.5	-313.3	295.1	16.78	16.77	
5,712.0	75.10	239.10	5,542.7	-216.5	-339.3	319.7	15.05	14.69	
5,743.0	78.90	239.20	5,549.7	-231.9	-365.3	344.2	12.26	12.26	
5,775.0	81.30	239.30	5,555.2	-248.1	-392.3	369.8	7.51	7.50	
5,806.0	81.20	241.40	5,559.9	-263.2	-419.0	395.1	6.70	-0.32	
5,838.0	81.50	243.30	5,564.7	-277.9	-447.0	421.7	5.94	0.94	
5,869.0	82.50	246.20	5,569.0	-291.0	-474.8	448.3	9.81	3.23	
5,901.0	84.00	248.60	5,572.8	-303.2	-504.1	476.5	8.80	4.69	
5,932.0	84.90	250.90	5,575.8	-313.9	-533.0	504.4	7.93	2.90	
5,964.0	85.80	252.50	5,578.4	-323.9	-563.3	533.7	5.72	2.81	
5,976.0	85.90	253.10	5,579.3	-327.4	-574.8	544.8	5.06	0.83	
6,001.0	85.80	253.90	5,581.1	-334.5	-598.7	568.0	3.22	-0.40	
6,032.0	86.20	255.90	5,583.2	-342.6	-628.5	597.1	6.56	1.29	
6,064.0	86.40	259.20	5,585.3	-349.5	-659.7	627.6	10.31	0.62	
6,095.0	86.20	262.20	5,587.3	-354.5	-690.2	657.6	9.68	-0.65	
6,127.0	86.50	264.90	5,589.3	-358.0	-721.9	688.9	8.47	0.94	
6,158.0	86.90	267.50	5,591.1	-360.1	-752.8	719.5	8.47	1.29	
6,190.0	87.60	271.10	5,592.7	-360.5	-784.8	751.3	11.45	2.19	
6,221.0	88.10	273.90	5,593.8	-359.1	-815.7	782.2	9.17	1.61	
6,252.0	87.90	275.40	5,594.9	-356.6	-846.6	813.2	4.88	-0.65	
6,284.0	88.00	275.40	5,596.1	-353.6	-878.4	845.2	0.31	0.31	
6,315.0	88.20	274.90	5,597.1	-350.8	-909.3	876.2	1.74	0.65	
6,347.0	89.30	274.60	5,597.8	-348.2	-941.2	908.1	3.56	3.44	
6,378.0	89.70	274.00	5,598.1	-345.9	-972.1	939.1	2.33	1.29	

Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Escrito E26-2407 01H
Project:	Rio Arriba County, NM	TVD Reference:	KB=16' @ 6782.0ft (Aztec 950)
Site:	S26-T24N-R7W	MD Reference:	KB=16' @ 6782.0ft (Aztec 950)
Well:	Escrito E26-2407 01H	North Reference:	True
Wellbore:	HZ	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
6,441.0	91.10	274.70	5,597.6	-341.1	-1,034.9	1,002.1	2.48	2.22	
6,503.0	90.00	275.60	5,597.0	-335.5	-1,096.7	1,064.1	2.29	-1.77	
6,566.0	89.80	275.20	5,597.1	-329.6	-1,159.4	1,127.1	0.71	-0.32	
6,629.0	90.60	274.50	5,596.9	-324.3	-1,222.1	1,190.1	1.69	1.27	
6,692.0	90.40	274.00	5,596.4	-319.6	-1,285.0	1,253.1	0.85	-0.32	
6,755.0	90.40	276.00	5,595.9	-314.1	-1,347.7	1,316.1	3.17	0.00	
6,817.0	90.60	276.20	5,595.4	-307.5	-1,409.4	1,378.1	0.46	0.32	
6,880.0	89.80	277.00	5,595.2	-300.3	-1,472.0	1,441.1	1.80	-1.27	
6,943.0	90.50	275.60	5,595.0	-293.4	-1,534.6	1,504.1	2.48	1.11	
7,006.0	90.00	274.20	5,594.7	-288.0	-1,597.3	1,567.0	2.36	-0.79	
7,069.0	90.40	273.60	5,594.5	-283.7	-1,660.2	1,630.0	1.14	0.63	
7,132.0	89.90	273.50	5,594.3	-279.8	-1,723.1	1,693.0	0.81	-0.79	
7,195.0	90.70	273.80	5,594.0	-275.8	-1,785.9	1,756.0	1.36	1.27	
7,258.0	90.10	275.10	5,593.6	-270.9	-1,848.7	1,819.0	2.27	-0.95	
7,321.0	89.50	275.20	5,593.8	-265.2	-1,911.5	1,882.0	0.97	-0.95	
7,383.0	90.40	275.40	5,593.8	-259.5	-1,973.2	1,944.0	1.49	1.45	
7,446.0	90.80	276.10	5,593.2	-253.2	-2,035.9	2,007.0	1.28	0.63	
7,509.0	89.70	277.30	5,592.9	-245.8	-2,098.5	2,070.0	2.58	-1.75	
7,572.0	89.40	276.20	5,593.4	-238.4	-2,161.0	2,132.9	1.81	-0.48	
7,634.0	90.20	276.30	5,593.6	-231.7	-2,222.7	2,194.9	1.30	1.29	
7,697.0	89.70	276.30	5,593.7	-224.8	-2,285.3	2,257.9	0.79	-0.79	
7,760.0	89.60	275.20	5,594.1	-218.5	-2,348.0	2,320.9	1.75	-0.16	
7,822.0	90.20	275.00	5,594.2	-213.0	-2,409.7	2,382.9	1.02	0.97	
7,885.0	90.70	274.00	5,593.7	-208.0	-2,472.5	2,445.9	1.77	0.79	
7,948.0	90.20	274.00	5,593.2	-203.6	-2,535.4	2,508.9	0.79	-0.79	
8,011.0	90.00	274.50	5,593.1	-199.0	-2,598.2	2,571.8	0.85	-0.32	
8,074.0	90.50	273.90	5,592.8	-194.3	-2,661.0	2,634.8	1.24	0.79	
8,136.0	90.00	274.40	5,592.5	-189.9	-2,722.9	2,696.8	1.14	-0.81	
8,199.0	89.90	274.00	5,592.6	-185.2	-2,785.7	2,759.8	0.65	-0.16	
8,262.0	89.60	273.90	5,592.8	-180.9	-2,848.5	2,822.8	0.50	-0.48	
8,325.0	89.80	272.60	5,593.2	-177.3	-2,911.4	2,885.8	2.09	0.32	
8,388.0	90.00	274.20	5,593.3	-173.6	-2,974.3	2,948.8	2.56	0.32	
8,451.0	90.10	274.00	5,593.2	-169.1	-3,037.2	3,011.8	0.35	0.16	
8,513.0	90.00	275.00	5,593.2	-164.2	-3,099.0	3,073.8	1.62	-0.16	
8,576.0	90.70	274.70	5,592.8	-158.9	-3,161.7	3,136.8	1.21	1.11	
8,639.0	90.40	274.80	5,592.2	-153.7	-3,224.5	3,199.8	0.50	-0.48	
8,702.0	89.80	274.60	5,592.1	-148.5	-3,287.3	3,262.8	1.00	-0.95	
8,765.0	90.70	276.00	5,591.8	-142.7	-3,350.0	3,325.8	2.64	1.43	
8,828.0	91.00	276.20	5,590.9	-136.0	-3,412.7	3,388.7	0.57	0.48	
8,890.0	90.00	276.90	5,590.3	-128.9	-3,474.3	3,450.7	1.97	-1.61	
8,953.0	90.20	276.20	5,590.2	-121.7	-3,536.9	3,513.7	1.16	0.32	
9,016.0	90.30	275.50	5,589.9	-115.3	-3,599.5	3,576.7	1.12	0.16	
9,079.0	90.40	275.40	5,589.6	-109.3	-3,662.2	3,639.7	0.22	0.16	
9,142.0	90.70	275.20	5,589.0	-103.5	-3,725.0	3,702.7	0.57	0.48	
9,205.0	90.80	273.90	5,588.1	-98.5	-3,787.8	3,765.6	2.07	0.16	
9,268.0	90.70	273.90	5,587.3	-94.2	-3,850.6	3,828.6	0.16	-0.16	
9,331.0	89.80	273.00	5,587.0	-90.4	-3,913.5	3,891.6	2.02	-1.43	
9,393.0	89.80	273.70	5,587.2	-86.8	-3,975.4	3,953.6	1.13	0.00	
9,456.0	90.50	274.90	5,587.1	-82.1	-4,038.2	4,016.6	2.21	1.11	
9,519.0	90.40	274.70	5,586.6	-76.8	-4,101.0	4,079.6	0.35	-0.16	
9,582.0	91.20	274.30	5,585.7	-71.9	-4,163.8	4,142.6	1.42	1.27	
9,645.0	90.60	274.40	5,584.7	-67.1	-4,226.6	4,205.6	0.97	-0.95	
9,708.0	90.40	274.70	5,584.2	-62.1	-4,289.4	4,268.6	0.57	-0.32	

Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Escrito E26-2407 01H
Project:	Rio Arriba County, NM	TVD Reference:	KB=16' @ 6782.0ft (Aztec 950)
Site:	S26-T24N-R7W	MD Reference:	KB=16' @ 6782.0ft (Aztec 950)
Well:	Escrito E26-2407 01H	North Reference:	True
Wellbore:	HZ	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
9,771.0	91.00	274.80	5,583.4	-56.9	-4,352.2	4,331.6	0.97	0.95	
9,833.0	91.30	274.70	5,582.2	-51.8	-4,413.9	4,393.5	0.51	0.48	
9,896.0	91.10	275.50	5,580.8	-46.2	-4,476.7	4,456.5	1.31	-0.32	
9,959.0	90.60	277.00	5,579.9	-39.3	-4,539.3	4,519.5	2.51	-0.79	
10,022.0	89.70	275.80	5,579.7	-32.3	-4,601.9	4,582.5	2.38	-1.43	
10,085.0	90.20	275.80	5,579.8	-25.9	-4,664.6	4,645.5	0.79	0.79	
10,148.0	90.20	275.40	5,579.6	-19.8	-4,727.3	4,708.5	0.63	0.00	
10,211.0	90.60	275.10	5,579.1	-14.0	-4,790.0	4,771.5	0.79	0.63	
10,274.0	90.10	274.80	5,578.7	-8.6	-4,852.8	4,834.5	0.93	-0.79	
10,337.0	90.40	273.80	5,578.5	-3.8	-4,915.6	4,897.5	1.66	0.48	
10,399.0	90.20	274.10	5,578.1	0.4	-4,977.5	4,959.4	0.58	-0.32	
10,462.0	89.60	274.70	5,578.3	5.3	-5,040.3	5,022.4	1.35	-0.95	
10,525.0	90.60	274.00	5,578.1	10.0	-5,103.1	5,085.4	1.94	1.59	
10,588.0	90.90	273.50	5,577.3	14.2	-5,165.9	5,148.4	0.93	0.48	
10,615.0	91.00	273.80	5,576.9	15.9	-5,192.9	5,175.4	1.17	0.37	Last Cathedral Survey @ 10,615' MD Projection to Bit @ 10,665'
10,665.0	91.00	273.80	5,576.0	19.2	-5,242.8	5,225.4	0.00	0.00	

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
Escrito E26-2407 TGT (			0.00	357.06	5,586.7	-353.1	-769.3	1,925,665.51	1,255,801.59	36.285170	-107.555020
	- actual wellpath misses target center by 9.1ft at 6174.2ft MD (5592.0 TVD, -360.5 N, -769.0 E)										
	- Point										
Escrito E26-2407 BHL (1			0.00	357.05	5,578.9	29.6	-5,252.6	1,926,108.55	1,251,323.85	36.286220	-107.570230
	- actual wellpath misses target center by 14.6ft at 10665.0ft MD (5576.0 TVD, 19.2 N, -5242.8 E)										
	- Point										
Escrito E26-2407 BHL P			0.00	357.05	5,586.9	29.6	-5,252.6	1,926,108.55	1,251,323.85	36.286220	-107.570230
	- actual wellpath misses target center by 18.0ft at 10665.0ft MD (5576.0 TVD, 19.2 N, -5242.8 E)										
	- Point										
Escrito E26-2407 TGT P			0.00	357.06	5,595.0	-353.1	-769.3	1,925,665.51	1,255,801.59	36.285170	-107.555020
	- actual wellpath misses target center by 8.0ft at 6174.6ft MD (5592.0 TVD, -360.5 N, -769.4 E)										
	- Point										

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
10,615.0	5,576.9	15.9	-5,192.9	Last Cathedral Survey @ 10,615' MD Projection to Bit @ 10,665'
10,665.0	5,576.0	19.2	-5,242.8	

Checked By: _____

Approved By: _____

Date: _____