

State of New Mexico  
Energy, Minerals and Natural Resources Department

Susana Martinez  
Governor

David Martin  
Cabinet Secretary

Brett F. Woods, Ph.D.  
Deputy Cabinet Secretary

Jami Bailey, Division Director  
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date: 9-2-2014

Well information:

| API WELL #         | Well Name        | Well # | Operator Name               | Type | Stat | County   | Surf_Owner | UL | Sec | Twp | N/S | Rng | W/E |
|--------------------|------------------|--------|-----------------------------|------|------|----------|------------|----|-----|-----|-----|-----|-----|
| 30-045-35534-00-00 | ESCRITO L14 2408 | 004H   | ENCANA OIL & GAS (USA) INC. | O    | N    | San Juan | F          | L  | 14  | 24  | N   | 8   | W   |

Application Type:

- ☐ P&A    ☒ Drilling/Casing Change    ☐ Location Change  
☐ Recomplete/DHC (For hydraulic fracturing operations review EPA Underground injection control Guidance #84)  
☐ Other:

Conditions of Approval:

Notify NMOCD 24hrs prior to beginning operations  
Adhere to original APD conditionals of approval  
Hold C-104 for: NSL/ "As Drilled" C102/ Directional Survey

NMOCD Approved by Signature

9-12-14  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SEP 03 2014

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

|                                                                                                                                                                       |  |                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------|
| <b>SUBMIT IN TRIPLICATE – Other instructions on page 2.</b>                                                                                                           |  | 5. Lease Serial No.<br>NM 16589                                       |
| 1. Type of Well<br><input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other                                      |  | 6. If Indian, Allottee or Tribe Name<br>N/A                           |
| 2. Name of Operator<br>Encana Oil & Gas (USA) Inc.                                                                                                                    |  | 7. If Unit of CA/Agreement, Name and/or No.<br>N/A                    |
| 3a. Address<br>370 17th Street, Suite 1700<br>Denver, CO 80202    ATTN: Katie Wegner                                                                                  |  | 8. Well Name and No.<br>Escrito L14-2408 04H                          |
| 3b. Phone No. (include area code)<br>720-876-3533                                                                                                                     |  | 9. API Well No.<br>30-045-35534                                       |
| 4. Location of Well (Footage, Sec., T, R, M., or Survey Description)<br>SHL: 1423' FSL and 23' FWL Sec 14, T24N, R8W<br>BHL: 1750' FSL and 330' FWL Sec 15, T24N, R8W |  | 10. Field and Pool or Exploratory Area<br>Dufer's Point Gallup Dakota |
|                                                                                                                                                                       |  | 11. Country or Parish, State<br>San Juan, NM                          |

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                   |                                           |                                                    |                                         |
|------------------------------------------------------|--------------------------------------------------|-------------------------------------------|----------------------------------------------------|-----------------------------------------|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize                 | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing            | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other _____    |
|                                                      | <input checked="" type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |                                         |
|                                                      | <input type="checkbox"/> Convert to Injection    | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |                                         |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Encana Oil & Gas (USA) Inc. (Encana) wishes to modify the drilling plan for the Escrito L14-2408 04H well to cement the 4 1/2" production liner, instead of running open hole swell packers, as previously planned. Attached is an updated Directional Drilling Plan, 10-Point Drilling Plan and Wellbore Diagram that reflect this change. Please note, the 7" ICP was also moved from approximately 72 degrees to approximately 55 degrees.

**CONDITIONS OF APPROVAL**

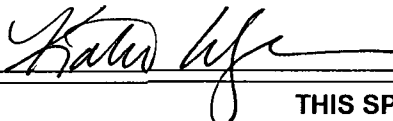
Adhere to previously issued stipulations

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

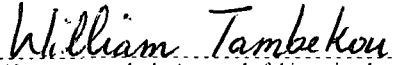
RCVD SEP 11 '14

OIL CONS. DIV.

DIST. 3

|                                                                                                      |  |                          |
|------------------------------------------------------------------------------------------------------|--|--------------------------|
| 14. I hereby certify that the foregoing is true and correct.<br>Name (Printed/Typed)<br>Katie Wegner |  | Title Regulatory Analyst |
| Signature         |  | Date 09/02/2014          |

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

|                                                                                                                                                                                                                                                           |                          |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------|
| Approved by<br>                                                                                                                                                        | Title Petroleum Engineer | Date 9/9/2014 |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office FFO               |               |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NRMOCD AV

Escrito L14-2408 04H

SHL: NW/4 SW/4 14 24N 8W 1423 FSL 23 FWL

BHL: NW/4 SW/4 15 24N 8W 1750 FSL 330 FWL

San Juan, New Mexico

**Encana Oil & Gas (USA) Inc.  
Drilling Plan**

**1. ESTIMATED TOPS OF GEOLOGICAL MARKERS (TVD)**

The estimated tops of important geologic markers are as follows:

| <b>Formation</b>    | <b>Depth (TVD) units = feet</b> |
|---------------------|---------------------------------|
| Nacimiento Fn.      | 0                               |
| Ojo Alamo Ss.       | 1,339                           |
| Kirtland Shale      | 1,548                           |
| Fruitland Coal      | 1,707                           |
| Pictured Cliffs Ss. | 2,057                           |
| Lewis Shale         | 2,166                           |
| Cliffhouse Ss.      | 2,922                           |
| Menefee Fn.         | 3,629                           |
| Point Lookout Ss.   | 4,374                           |
| Mancos Shale        | 4,592                           |
| Mancos Silt         | 5,214                           |
| Gallup Fn.          | 5,442                           |
| Horizontal Target   | 5,749                           |
|                     |                                 |

The referenced surface elevation is 6896', KB 6912'

**2. ESTIMATED DEPTH OF POTENTIAL WATER, OIL, GAS,  
& OTHER MINERAL BEARING FORMATIONS**

| <b>Substance</b> | <b>Formation</b>    | <b>Depth (TVD) units = feet</b> |
|------------------|---------------------|---------------------------------|
| Water/Gas        | Fruitland Coal      | 1,707                           |
| Oil/Gas          | Pictured Cliffs Ss. | 2,057                           |
| Oil/Gas          | Cliffhouse Ss.      | 2,922                           |
| Gas              | Menefee Fn.         | 3,629                           |
| Oil/Gas          | Point Lookout Ss.   | 4,374                           |
| Oil/Gas          | Mancos Shale        | 4,592                           |
| Oil/Gas          | Mancos Silt         | 5,214                           |
| Oil/Gas          | Gallup Fn.          | 5,442                           |

All shows of fresh water and minerals will be reported and protected.

Escrito L14-2408 04H

SHL: NW/4 SW/4 14 24N 8W 1423 FSL 23 FWL

BHL: NW/4 SW/4 15 24N 8W 1750 FSL 330 FWL

San Juan, New Mexico

### 3. PRESSURE CONTROL

- a) Pressure control equipment and configuration will be designed to meet 2M standards.
- b) Working pressure on rams and BOPE will be 3,000 psi.
- c) Function test and visual inspection of the BOP will be conducted daily and noted in the IADC Daily Drilling Report.
- d) The Annular BOP will be pressure tested to a minimum of 50 percent of its rated working pressure.
- e) Blind and Pipe Rams/BOP will be tested against a test plug to 100 percent of rated working pressure.
- f) Pressure tests are required before drilling out from under all casing strings set and cemented in place.
- g) BOP controls must be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned.
- h) BOP testing procedures and testing frequency will conform to Onshore Order No. 2.
- i) BOP remote controls shall be located on the rig floor at a location readily accessible to the driller. Master controls shall be on the ground at the accumulator and shall have the capability to function all preventers.
- j) The kill line shall be 2-inch minimum and contain two kill line valves, one of which shall be a check valve.
- k) The choke line shall be a 2-inch minimum and contain two choke line valves (2-inch minimum).
- l) The choke and manifold shall contain two adjustable chokes.
- m) Hand wheels shall be installed on all ram preventers.
- n) Safety valves and wrenches (with subs for drill string connections) shall be available on the rig floor at all times.
- o) Inside BOP or float sub shall also be available on the rig floor at all times.

Proposed BOP and choke manifold arrangements are attached.

### 4. CASING & CEMENTING PROGRAM

The proposed casing and cementing program has been designed to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations. All indications of useable water shall be reported.

- a) The proposed casing design is as follows:

| Casing           | Depth (MD)   | Hole Size | Csg Size | Weight | Grade         |
|------------------|--------------|-----------|----------|--------|---------------|
| Conductor        | 0'-60'       | 30"       | 16"      | 42.09# |               |
| Surface          | 0'-500'      | 12 1/4"   | 9 5/8"   | 36#    | J55, STC New  |
| Intermediate     | 0'-5747'     | 8 3/4"    | 7"       | 26#    | J55, LTC New  |
| Production Liner | 5697'-10447' | 6 1/8"    | 4 1/2"   | 11.6#  | B80*, LTC New |

| Casing String |              |       |            | Casing Strength Properties |             |                   | Minimum Design Factors |       |         |
|---------------|--------------|-------|------------|----------------------------|-------------|-------------------|------------------------|-------|---------|
| Size          | Weight (ppf) | Grade | Connection | Collapse (psi)             | Burst (psi) | Tensile (1000lbs) | Collapse               | Burst | Tension |
| 9 5/8"        | 36           | J55   | STC        | 2020                       | 3520        | 394               | 1.125                  | 1.1   | 1.5     |
| 7"            | 26           | J55   | LTC        | 4320                       | 4980        | 367               | 1.125                  | 1.1   | 1.5     |
| 4.5"          | 11.6         | B80   | LTC        | 6350                       | 7780        | 201               | 1.125                  | 1.1   | 1.5     |

\*B80 pipe specifications are attached

Casing design is subject to revision based on geologic conditions encountered

**Escrito L14-2408 04H**

**SHL: NW/4 SW/4 14 24N 8W 1423 FSL 23 FWL**

**BHL: NW/4 SW/4 15 24N 8W 1750 FSL 330 FWL**

**San Juan, New Mexico**

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or 1,500 psi, whichever is greater, but not to exceed 70 percent of the minimum internal yield. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.

b) The proposed cementing program is as follows

| <b>Casing</b>    | <b>Depth (MD)</b> | <b>Cement Volume (sacks)</b>                                                  | <b>Cement Type &amp; Yield</b>                                                                                                                                                                            | <b>Design</b> | <b>Centralizers</b>                          |
|------------------|-------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------------|
| Conductor        | 0'-60'            | 100 sks                                                                       | Type I Neat 16 ppg                                                                                                                                                                                        | Surface       | None                                         |
| Surface          | 0'-500'           | 276 sks                                                                       | Type III Cement + 1% bwoc<br>Calcium Chloride + 0.25 lbs/sack<br>Cello Flake + 0.2% bwoc FL-52A<br>+ 58.9% Fresh Water                                                                                    | Surface       | 1 per joint on bottom 3 joints               |
| Intermediate     | 0'-5747'          | 100% open hole excess<br>Stage 1 Lead:<br>378 sks<br>Stage 1 Tail:<br>319 sks | Lead: PremLite + 3% CaCl +<br>0.25lb/sk CelloFlake + 5lb/sk<br>LCM, 12.1ppg 2.13cuft/sk<br>Tail: Type III Cmt + 1% CaCl +<br>0.25lb/sk Cello Flake 14.5ppg<br>1.38cuft/sk                                 | Surface       | 1 every 3 joints through water bearing zones |
| Production Liner | 5697'-10447'      | 50% OH excess<br>Stage 1 Blend Total:<br>277sks                               | Blend: Premium Lite High Strength<br>FM + 2% bwow Potassium<br>Chloride + 0.3% bwoc R-3 + 0.25<br>lbs/sack Cello Flake + 0.3% bwoc<br>CD-32 + 5 lbs/sack LCM-1 + 1%<br>bwoc FL-52 + 101.1% Fresh<br>Water | Liner Hanger  | N/A                                          |

Actual volumes will be calculated and determined by conditions onsite. All cement slurries will meet or exceed minimum BLM and New Mexico Oil Conservation Division requirements. Slurries used will be the slurries listed above or equivalent slurries depending on service provider selected. Cement yields may change depending on slurries selected

All waiting on cement times shall be a minimum of 8 hours or adequate to achieve minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

## **5. WELL PLAN & DIRECTIONAL DRILLING PROGRAM**

The proposed horizontal well will have a kick off point of 4200'. Directional plans are attached.

| <b>Description</b>    | <b>Proposed Depth (TVD/MD)</b> | <b>Formation</b> |
|-----------------------|--------------------------------|------------------|
| Horizontal Lateral TD | 5715'/10447'                   | Gallup           |

**Escrito L14-2408 04H**  
**SHL: NW/4 SW/4 14 24N 8W 1423 FSL 23 FWL**  
**BHL: NW/4 SW/4 15 24N 8W 1750 FSL 330 FWL**  
**San Juan, New Mexico**

## 6. DRILLING FLUIDS PROGRAM

### a) Surface through Intermediate Casing Point:

| Hole Size (in) | Depth (TVD/MD)        | Mud Type         | Density (ppg) | Viscosity (sec/qt) | Fluid Loss (cc) |
|----------------|-----------------------|------------------|---------------|--------------------|-----------------|
| 30"            | 0-60'/60'             | Fresh Water      | 8.3-9.2       | 38-100             | 4-28            |
| 12 1/4"        | 0'-500'/500'          | Fresh Water      | 8.3-10        | 60-70              | NC              |
| 8 3/4"         | 500'/500'-5637'/5747' | Fresh Water LSND | 8.3-10        | 40-50              | 8-10            |

### b) Intermediate Casing Point to TD:

| Hole Size (in) | Depth (TVD/MD)               | Mud Type         | Density (ppg) | Viscosity (sec/qt) | Fluid Loss (cc) |
|----------------|------------------------------|------------------|---------------|--------------------|-----------------|
| 6 1/8"         | 5637'/5747'-<br>5715'/10447' | Fresh Water LSND | 8.3-10        | 15-25              | <15             |

- c) There will be sufficient mud on location to control a blowout should one occur. Mud flow and volume will be monitored both visually and with electronic pit volume totalizers. Mud tests shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.
- d) A closed-loop system will be used to recover drilling fluid and dry cuttings in both phases of the well and on all hole intervals. Above-ground tanks will be utilized to hold cuttings and fluids for rig operations. A frac tank will be on location to store fresh water. Waste will be disposed of properly at an EPA-approved hazardous waste facility. Fresh water cuttings will be disposed of at Basin Disposal, Inc. and/or Industrial Ecosystems, Inc. The location will be lined in accordance with the Surface Use Plan of Operations.

## 7. TESTING, CORING, & LOGGING

- a) Drill Stem Testing - None anticipated.
- b) Coring - None anticipated.
- c) Mudd Logging - Mud loggers will be on location from kick off point to TD.
- d) Logging - See below

Cased Hole:

CBL/CCL/GR/VDL will be run as needed for perforating control

## 8. ABNORMAL PRESSURES & HYDROGEN SULFIDE

The anticipated bottom hole pressure is +/- 2691 psi based on a 9.0 ppg at 5749' TVD of the horizontal lateral target. No abnormal pressure or temperatures are anticipated.

No hydrogen sulfide gas is anticipated, however, if H<sub>2</sub>S is encountered, the guidelines in Onshore Order No. 6 will be followed.

## 9. ANTICIPATED START DATE AND DURATION OF OPERATIONS

Drilling is estimated to commence on January 1, 2015. It is anticipated that completion operations will begin within 30 days after the well has been drilled depending on fracture treatment schedules with various pumping service companies.

It is anticipated that the drilling of this well will take approximately 20 days.

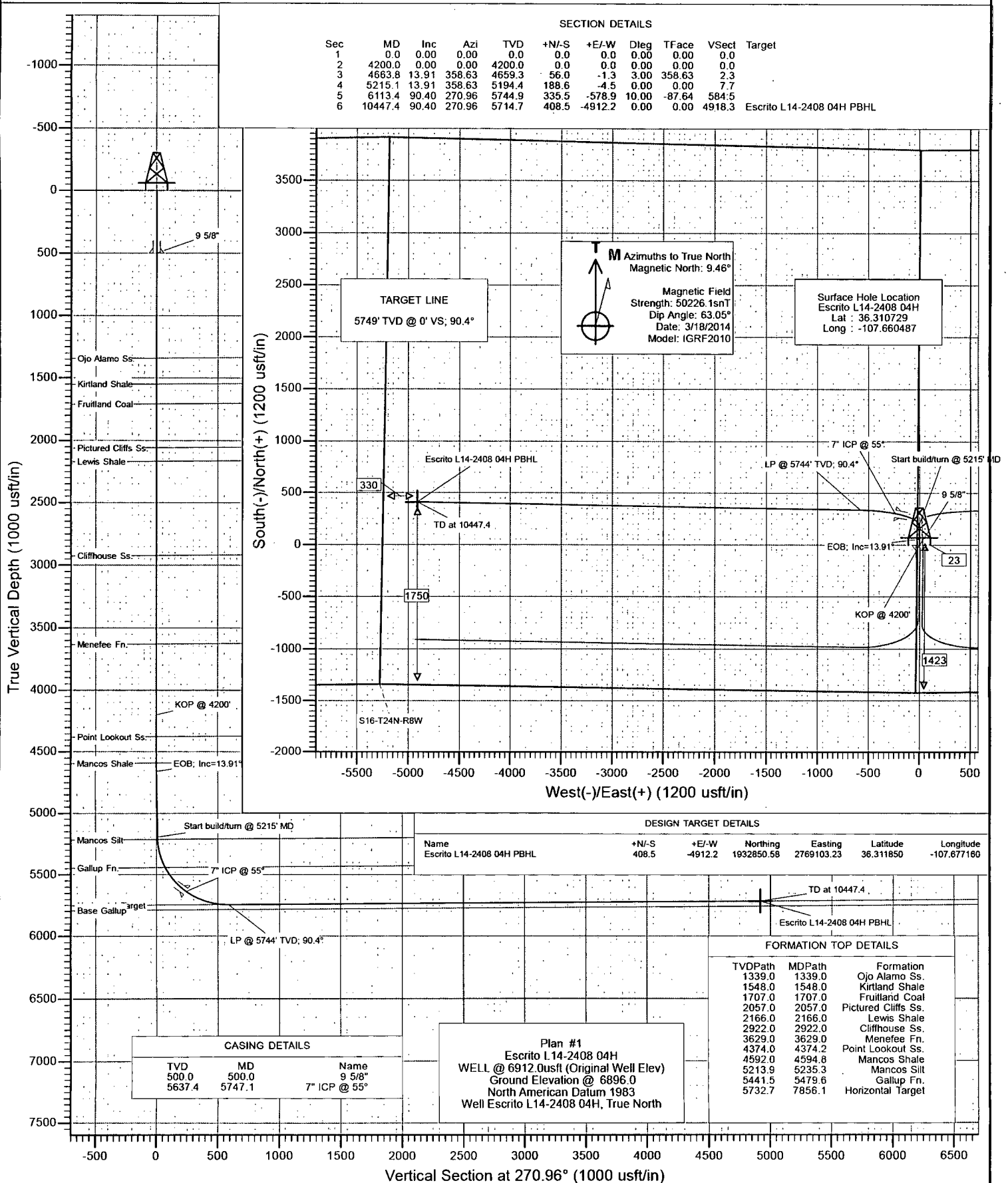
| LOC: Escrito L14-2408 04H<br>County: San Juan<br>WELL: Escrito L14-2408 04H                                                                           |                      |                                                                                                                                                                               | Encana Natural Gas<br><br>WELL SUMMARY                                                        |        |  |                                                                                                                                                                                                                                                                                                        | ENG: Andrew Tscha 9/2/14<br>RIG: Aztec 950<br>GLE: 6896<br>RKBE: 6912                                                                                                                                                                                                                                                                                                                                                                   |                         |                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------|
| MWD<br>LWD                                                                                                                                            | OPEN HOLE<br>LOGGING | FORM                                                                                                                                                                          | DEPTH                                                                                         |        |  | HOLE<br>SIZE                                                                                                                                                                                                                                                                                           | CASING<br>SPECS                                                                                                                                                                                                                                                                                                                                                                                                                         | MW<br>MUD TYPE          | DEVIATION<br>INFORMATION       |
|                                                                                                                                                       |                      |                                                                                                                                                                               | TVD                                                                                           | MD     |  |                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                         |                         |                                |
|                                                                                                                                                       |                      |                                                                                                                                                                               | 60                                                                                            | 60'    |  | 30                                                                                                                                                                                                                                                                                                     | 16" 42.09#<br>100sx Type I Neat 16.0ppg cmt                                                                                                                                                                                                                                                                                                                                                                                             | Fresh wtr<br>8.3-9.2    |                                |
| Multi-Well pad take survey every stand and run anti-collision report prior to spud                                                                    | None                 | San Jose Fn.<br><br>Nacimiento Fn.<br>9 5/8" Csg                                                                                                                              | 0<br><br>0<br>500                                                                             |        |  | 12 1/4                                                                                                                                                                                                                                                                                                 | 9 5/8" 36ppf J55 STC<br><br>TOC Surface with 100% OH Excess:<br>276 sks Type III Cement + 1% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 0.2% bwoc FL-52A + 58.9% Fresh Water.                                                                                                                                                                                                                                                  | Fresh wtr<br><br>8.3-10 | Vertical<br><1°                |
| Survey Every 60'-120', updating anticollision report after surveys. Stop operations and contact drilling engineer if separation factor approaches 1.5 | No OH logs           | Ojo Alamo Ss.<br>Kirtland Shale<br><br>Fruitland Coal<br><br>Pictured Cliffs Ss.<br>Lewis Shale<br><br>Cliffhouse Ss.<br>Menefee Fn.<br><br>Point Lookout Ss.<br>Mancos Shale | 1,339<br>1,548<br><br>1,707<br><br>2,057<br>2,166<br><br>2,922<br>3,629<br><br>4,374<br>4,592 |        |  | 8 3/4                                                                                                                                                                                                                                                                                                  | 7" 26ppf J55 LTC<br><br>TOC @ surface<br>(100% OH excess - 70% Lead 30% Tail)<br>Stage 1 Total: 697sks<br><br>Stage 1 Lead: 378 sks Premium Lite FM + 3% CaCl2 + 0.25/sk Cello Flake + 5#/sk LCM-1 + 8% Bentonite + 0.4% FL-52A + 0.4% Sodium Metasilicate. Mixed at 12.1 ppg. Yield 2.13 cuft/sk.<br><br>Stage 1 Tail: 319 sks Type III Cement + 1% CaCl2 + 0.25#/sk Cello Flake + 0.2% FL-52A. Mixed at 14.6 ppg. Yield 1.38 cuft/sk. | Fresh Wtr<br><br>8.3-10 | Vertical<br><1°                |
| Surveys every 30' through the curve                                                                                                                   | Mud logger onsite    | KOP<br><br>Mancos Silt<br><br>Gallup Fn.<br><br>7" Csg                                                                                                                        | 4,200<br><br>5,214<br><br>5,442<br>5,637                                                      | 4,200  |  | 6 1/8                                                                                                                                                                                                                                                                                                  | 50' overlap at liner top                                                                                                                                                                                                                                                                                                                                                                                                                |                         | Horz Inc/TVD<br>90.4deg/5749ft |
| Surveys every stand to TD unless directed otherwise by Geologist                                                                                      | No OH Logs           | Horizontal Target TD<br><br>Base Gallup                                                                                                                                       | 5,749<br>5,715<br>5,790                                                                       | 10,447 |  | 4700' Drilled Lateral                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                         |                         | TD = 10447.4 MD                |
| MWD<br>Gamma<br>Directional                                                                                                                           |                      |                                                                                                                                                                               |                                                                                               |        |  | 4 1/2" 11.6ppf SB80 LTC<br><br>TOC @ hanger<br>(50% OH excess)<br>Stage 1 Total: 277sks<br><br>Stage 1 Blend: 277 sks Premium Lite High Strength FM + 2% bwow Potassium Chloride + 0.3% bwoc R-3 + 0.25 lbs/sack Cello Flake + 0.3% bwoc CD-32 + 5 lbs/sack LCM-1 + 1% bwoc FL-52 + 101.1% Fresh Water | WBM<br>8.3-10                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |                                |

**NOTES:**

- 1) Drill with 30" bit to 60', set 20" 94# conductor pipe
- 2) Drill surface to 500', R&C 9 5/8" casing
- 3) N/U BOP and surface equipment
- 4) Drill to KOP of 4200', 8 3/4 inch holesize
- 5) Start curve at 10deg/100' build rate
- 6) Drill to csg point of 5747' MD
- 7) R&C 7" csg, circ cmt to surface
- 8) Land at ~90 deg, drill lateral to 10447' run 4 1/2 inch cemented liner



Project: San Juan County, NM  
Site: S14-T24N-R8W  
Well: Escrito L14-2408 04H  
Wellbore: HZ  
Design: Plan #1



# Planning Report

|                  |                             |                                     |                                        |
|------------------|-----------------------------|-------------------------------------|----------------------------------------|
| <b>Database:</b> | USA EDM 5000 Multi Users DB | <b>Local Co-ordinate Reference:</b> | Well Escrito L14-2408 04H              |
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc  | <b>TVD Reference:</b>               | WELL @ 6912.0usft (Original Well Elev) |
| <b>Project:</b>  | San Juan County, NM         | <b>MD Reference:</b>                | WELL @ 6912.0usft (Original Well Elev) |
| <b>Site:</b>     | S14-T24N-R8W                | <b>North Reference:</b>             | True                                   |
| <b>Well:</b>     | Escrito L14-2408 04H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Wellbore:</b> | HZ                          |                                     |                                        |
| <b>Design:</b>   | Plan #1                     |                                     |                                        |

|                    |                           |                      |                |
|--------------------|---------------------------|----------------------|----------------|
| <b>Project</b>     | San Juan County, NM       |                      |                |
| <b>Map System:</b> | US State Plane 1983       | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983 |                      |                |
| <b>Map Zone:</b>   | New Mexico Western Zone   |                      |                |

|                       |              |              |                   |                   |             |
|-----------------------|--------------|--------------|-------------------|-------------------|-------------|
| Site                  | S14-T24N-R8W |              |                   |                   |             |
| Site Position:        |              | Northing:    | 1,932,458.55 usft | Latitude:         | 36.310750   |
| From:                 | Lat/Long     | Easting:     | 2,774,044.70 usft | Longitude:        | -107.660390 |
| Position Uncertainty: | 0.0 usft     | Slot Radius: | 13-3/16"          | Grid Convergence: | 0.10 °      |

|                      |                      |          |                     |                   |               |              |
|----------------------|----------------------|----------|---------------------|-------------------|---------------|--------------|
| Well                 | Escrito L14-2408 04H |          |                     |                   |               |              |
| Well Position        | +N/-S                | 0.0 usft | Northing:           | 1,932,450.86 usft | Latitude:     | 36.310729    |
|                      | +E/-W                | 0.0 usft | Easting:            | 2,774,016.14 usft | Longitude:    | -107.660487  |
| Position Uncertainty |                      | 0.0 usft | Wellhead Elevation: | usft              | Ground Level: | 6,896.0 usft |

|                  |                   |                    |                    |                  |                       |
|------------------|-------------------|--------------------|--------------------|------------------|-----------------------|
| <b>Wellbore</b>  | HZ                |                    |                    |                  |                       |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination</b> | <b>Dip Angle</b> | <b>Field Strength</b> |
|                  |                   |                    | (°)                | (°)              | (nT)                  |
|                  | IGRF2010          | 3/18/2014          | 9.46               | 63.05            | 50,226                |

|                          |                         |              |                      |                  |
|--------------------------|-------------------------|--------------|----------------------|------------------|
| <b>Design</b>            | Plan #1                 |              |                      |                  |
| <b>Audit Notes:</b>      |                         |              |                      |                  |
| <b>Version:</b>          | <b>Phase:</b>           | PLAN         | <b>Tie On Depth:</b> | 0.0              |
| <b>Vertical Section:</b> | <b>Depth From (TVD)</b> | <b>+N/-S</b> | <b>+E/-W</b>         | <b>Direction</b> |
|                          | (usft)                  | (usft)       | (usft)               | (°)              |
|                          | 0.0                     | 0.0          | 0.0                  | 270.96           |

| <b>Plan Sections</b>  |                 |             |                       |              |              |                         |                        |                       |         |                      |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target               |
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                      |
| 4,200.0               | 0.00            | 0.00        | 4,200.0               | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                      |
| 4,663.8               | 13.91           | 358.63      | 4,659.3               | 56.0         | -1.3         | 3.00                    | 3.00                   | 0.00                  | 358.63  |                      |
| 5,215.1               | 13.91           | 358.63      | 5,194.4               | 188.6        | -4.5         | 0.00                    | 0.00                   | 0.00                  | 0.00    |                      |
| 6,113.4               | 90.40           | 270.96      | 5,744.9               | 335.5        | -578.9       | 10.00                   | 8.51                   | -9.76                 | -87.64  |                      |
| 10,447.4              | 90.40           | 270.96      | 5,714.7               | 408.5        | -4,912.2     | 0.00                    | 0.00                   | 0.00                  | 0.00    | Escrito L14-2408 04H |

# Planning Report

Database: USA EDM 5000 Multi Users DB  
 Company: EnCana Oil & Gas (USA) Inc  
 Project: San Juan County, NM  
 Site: S14-T24N-R8W  
 Well: Escrito L14-2408 04H  
 Wellbore: HZ  
 Design: Plan #1

Local Co-ordinate Reference: Well Escrito L14-2408 04H  
 TVD Reference: WELL @ 6912.0usft (Original Well Elev)  
 MD Reference: WELL @ 6912.0usft (Original Well Elev)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature

## Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100u) | Comments / Formations |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|---------------------|-----------------------|
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 100.0                 | 0.00            | 0.00        | 100.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 200.0                 | 0.00            | 0.00        | 200.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 300.0                 | 0.00            | 0.00        | 300.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 400.0                 | 0.00            | 0.00        | 400.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 500.0                 | 0.00            | 0.00        | 500.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                | 9 5/8"                |
| 600.0                 | 0.00            | 0.00        | 600.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 700.0                 | 0.00            | 0.00        | 700.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 800.0                 | 0.00            | 0.00        | 800.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 900.0                 | 0.00            | 0.00        | 900.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 1,000.0               | 0.00            | 0.00        | 1,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 1,100.0               | 0.00            | 0.00        | 1,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 1,200.0               | 0.00            | 0.00        | 1,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 1,300.0               | 0.00            | 0.00        | 1,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 1,339.0               | 0.00            | 0.00        | 1,339.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                | Ojo Alamo Ss.         |
| 1,400.0               | 0.00            | 0.00        | 1,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 1,500.0               | 0.00            | 0.00        | 1,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 1,548.0               | 0.00            | 0.00        | 1,548.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                | Kirtland Shale        |
| 1,600.0               | 0.00            | 0.00        | 1,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 1,700.0               | 0.00            | 0.00        | 1,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 1,707.0               | 0.00            | 0.00        | 1,707.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                | Fruitland Coal        |
| 1,800.0               | 0.00            | 0.00        | 1,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 1,900.0               | 0.00            | 0.00        | 1,900.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 2,000.0               | 0.00            | 0.00        | 2,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 2,057.0               | 0.00            | 0.00        | 2,057.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                | Pictured Cliffs Ss.   |
| 2,100.0               | 0.00            | 0.00        | 2,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 2,166.0               | 0.00            | 0.00        | 2,166.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                | Lewis Shale           |
| 2,200.0               | 0.00            | 0.00        | 2,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 2,300.0               | 0.00            | 0.00        | 2,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 2,400.0               | 0.00            | 0.00        | 2,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 2,500.0               | 0.00            | 0.00        | 2,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 2,600.0               | 0.00            | 0.00        | 2,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 2,700.0               | 0.00            | 0.00        | 2,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 2,800.0               | 0.00            | 0.00        | 2,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 2,900.0               | 0.00            | 0.00        | 2,900.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 2,922.0               | 0.00            | 0.00        | 2,922.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                | Cliffhouse Ss.        |
| 3,000.0               | 0.00            | 0.00        | 3,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 3,100.0               | 0.00            | 0.00        | 3,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 3,200.0               | 0.00            | 0.00        | 3,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 3,300.0               | 0.00            | 0.00        | 3,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 3,400.0               | 0.00            | 0.00        | 3,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 3,500.0               | 0.00            | 0.00        | 3,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 3,600.0               | 0.00            | 0.00        | 3,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 3,629.0               | 0.00            | 0.00        | 3,629.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                | Menefee Fn.           |
| 3,700.0               | 0.00            | 0.00        | 3,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 3,800.0               | 0.00            | 0.00        | 3,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 3,900.0               | 0.00            | 0.00        | 3,900.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 4,000.0               | 0.00            | 0.00        | 4,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 4,100.0               | 0.00            | 0.00        | 4,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                |                       |
| 4,200.0               | 0.00            | 0.00        | 4,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                | KOP @ 4200'           |
| 4,300.0               | 3.00            | 358.63      | 4,300.0               | 2.6          | -0.1         | 0.1                     | 3.00                    | 3.00                |                       |
| 4,374.2               | 5.23            | 358.63      | 4,374.0               | 7.9          | -0.2         | 0.3                     | 3.00                    | 3.00                | Point Lookout Ss.     |

# Planning Report

Database: USA EDM 5000 Multi Users DB  
 Company: EnCana Oil & Gas (USA) Inc  
 Project: San Juan County, NM  
 Site: S14-T24N-R8W  
 Well: Escrito L14-2408 04H  
 Wellbore: HZ  
 Design: Plan #1

Local Co-ordinate Reference:  
 TVD Reference:  
 MD Reference:  
 North Reference:  
 Survey Calculation Method:

Well Escrito L14-2408 04H  
 WELL @ 6912.0usft (Original Well Elev)  
 WELL @ 6912.0usft (Original Well Elev)  
 True  
 Minimum Curvature

## Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100u) | Comments / Formations       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|---------------------|-----------------------------|
| 4,400.0               | 6.00            | 358.63      | 4,399.6               | 10.5         | -0.2         | 0.4                     | 3.00                    | 3.00                |                             |
| 4,500.0               | 9.00            | 358.63      | 4,498.8               | 23.5         | -0.6         | 1.0                     | 3.00                    | 3.00                |                             |
| 4,594.8               | 11.84           | 358.63      | 4,592.0               | 40.6         | -1.0         | 1.7                     | 3.00                    | 3.00                | Mancos Shale                |
| 4,600.0               | 12.00           | 358.63      | 4,597.1               | 41.7         | -1.0         | 1.7                     | 3.00                    | 3.00                |                             |
| 4,663.8               | 13.91           | 358.63      | 4,659.2               | 56.0         | -1.3         | 2.3                     | 3.00                    | 3.00                | EOB; Inc=13.91°             |
| 4,700.0               | 13.91           | 358.63      | 4,694.4               | 64.7         | -1.5         | 2.6                     | 0.00                    | 0.00                |                             |
| 4,800.0               | 13.91           | 358.63      | 4,791.5               | 88.8         | -2.1         | 3.6                     | 0.00                    | 0.00                |                             |
| 4,900.0               | 13.91           | 358.63      | 4,888.5               | 112.8        | -2.7         | 4.6                     | 0.00                    | 0.00                |                             |
| 5,000.0               | 13.91           | 358.63      | 4,985.6               | 136.8        | -3.3         | 5.6                     | 0.00                    | 0.00                |                             |
| 5,100.0               | 13.91           | 358.63      | 5,082.7               | 160.9        | -3.8         | 6.5                     | 0.00                    | 0.00                |                             |
| 5,200.0               | 13.91           | 358.63      | 5,179.7               | 184.9        | -4.4         | 7.5                     | 0.00                    | 0.00                |                             |
| 5,215.1               | 13.91           | 358.63      | 5,194.4               | 188.6        | -4.5         | 7.7                     | 0.00                    | 0.00                | Start build/turn @ 5215' MD |
| 5,235.3               | 14.14           | 350.37      | 5,213.9               | 193.4        | -5.0         | 8.2                     | 9.98                    | 1.11                | Mancos Silt                 |
| 5,300.0               | 16.55           | 327.46      | 5,276.4               | 209.0        | -11.3        | 14.8                    | 10.00                   | 3.73                |                             |
| 5,400.0               | 23.45           | 305.86      | 5,370.5               | 232.7        | -35.1        | 39.0                    | 10.00                   | 6.90                |                             |
| 5,479.6               | 30.16           | 296.28      | 5,441.5               | 250.9        | -65.9        | 70.1                    | 10.00                   | 8.43                | Gallup Fn.                  |
| 5,500.0               | 31.96           | 294.44      | 5,459.0               | 255.4        | -75.4        | 79.7                    | 10.00                   | 8.85                |                             |
| 5,600.0               | 41.10           | 287.55      | 5,539.3               | 276.3        | -131.0       | 135.6                   | 10.00                   | 9.13                |                             |
| 5,700.0               | 50.51           | 282.83      | 5,608.9               | 294.8        | -200.1       | 205.1                   | 10.00                   | 9.42                |                             |
| 5,747.1               | 55.00           | 281.04      | 5,637.4               | 302.6        | -236.8       | 241.9                   | 10.00                   | 9.53                | 7" ICP @ 55°                |
| 5,800.0               | 60.07           | 279.26      | 5,665.8               | 310.4        | -280.7       | 285.9                   | 10.00                   | 9.59                |                             |
| 5,900.0               | 69.71           | 276.31      | 5,708.2               | 322.6        | -370.4       | 375.7                   | 10.00                   | 9.64                |                             |
| 6,000.0               | 79.40           | 273.72      | 5,734.8               | 330.9        | -466.3       | 471.7                   | 10.00                   | 9.68                |                             |
| 6,100.0               | 89.10           | 271.29      | 5,744.8               | 335.2        | -565.5       | 571.1                   | 10.00                   | 9.70                |                             |
| 6,113.4               | 90.40           | 270.96      | 5,744.9               | 335.5        | -578.9       | 584.5                   | 10.00                   | 9.71                | LP @ 5744' TVD; 90.4°       |
| 6,200.0               | 90.40           | 270.96      | 5,744.3               | 337.0        | -665.5       | 671.1                   | 0.00                    | 0.00                |                             |
| 6,300.0               | 90.40           | 270.96      | 5,743.6               | 338.7        | -765.5       | 771.1                   | 0.00                    | 0.00                |                             |
| 6,400.0               | 90.40           | 270.96      | 5,742.9               | 340.3        | -865.5       | 871.1                   | 0.00                    | 0.00                |                             |
| 6,500.0               | 90.40           | 270.96      | 5,742.2               | 342.0        | -965.5       | 971.1                   | 0.00                    | 0.00                |                             |
| 6,600.0               | 90.40           | 270.96      | 5,741.5               | 343.7        | -1,065.4     | 1,071.1                 | 0.00                    | 0.00                |                             |
| 6,700.0               | 90.40           | 270.96      | 5,740.8               | 345.4        | -1,165.4     | 1,171.1                 | 0.00                    | 0.00                |                             |
| 6,800.0               | 90.40           | 270.96      | 5,740.1               | 347.1        | -1,265.4     | 1,271.1                 | 0.00                    | 0.00                |                             |
| 6,900.0               | 90.40           | 270.96      | 5,739.4               | 348.8        | -1,365.4     | 1,371.0                 | 0.00                    | 0.00                |                             |
| 7,000.0               | 90.40           | 270.96      | 5,738.7               | 350.4        | -1,465.4     | 1,471.0                 | 0.00                    | 0.00                |                             |
| 7,100.0               | 90.40           | 270.96      | 5,738.0               | 352.1        | -1,565.4     | 1,571.0                 | 0.00                    | 0.00                |                             |
| 7,200.0               | 90.40           | 270.96      | 5,737.3               | 353.8        | -1,665.3     | 1,671.0                 | 0.00                    | 0.00                |                             |
| 7,300.0               | 90.40           | 270.96      | 5,736.6               | 355.5        | -1,765.3     | 1,771.0                 | 0.00                    | 0.00                |                             |
| 7,400.0               | 90.40           | 270.96      | 5,735.9               | 357.2        | -1,865.3     | 1,871.0                 | 0.00                    | 0.00                |                             |
| 7,500.0               | 90.40           | 270.96      | 5,735.2               | 358.9        | -1,965.3     | 1,971.0                 | 0.00                    | 0.00                |                             |
| 7,600.0               | 90.40           | 270.96      | 5,734.5               | 360.5        | -2,065.3     | 2,071.0                 | 0.00                    | 0.00                |                             |
| 7,700.0               | 90.40           | 270.96      | 5,733.8               | 362.2        | -2,165.3     | 2,171.0                 | 0.00                    | 0.00                |                             |
| 7,800.0               | 90.40           | 270.96      | 5,733.1               | 363.9        | -2,265.2     | 2,271.0                 | 0.00                    | 0.00                |                             |
| 7,856.1               | 90.40           | 270.96      | 5,732.7               | 364.9        | -2,321.3     | 2,327.1                 | 0.00                    | 0.00                | Horizontal Target           |
| 7,900.0               | 90.40           | 270.96      | 5,732.4               | 365.6        | -2,365.2     | 2,371.0                 | 0.00                    | 0.00                |                             |
| 8,000.0               | 90.40           | 270.96      | 5,731.7               | 367.3        | -2,465.2     | 2,471.0                 | 0.00                    | 0.00                |                             |
| 8,100.0               | 90.40           | 270.96      | 5,731.0               | 369.0        | -2,565.2     | 2,571.0                 | 0.00                    | 0.00                |                             |
| 8,200.0               | 90.40           | 270.96      | 5,730.3               | 370.7        | -2,665.2     | 2,671.0                 | 0.00                    | 0.00                |                             |
| 8,300.0               | 90.40           | 270.96      | 5,729.6               | 372.3        | -2,765.2     | 2,771.0                 | 0.00                    | 0.00                |                             |
| 8,400.0               | 90.40           | 270.96      | 5,729.0               | 374.0        | -2,865.1     | 2,871.0                 | 0.00                    | 0.00                |                             |
| 8,500.0               | 90.40           | 270.96      | 5,728.3               | 375.7        | -2,965.1     | 2,971.0                 | 0.00                    | 0.00                |                             |
| 8,600.0               | 90.40           | 270.96      | 5,727.6               | 377.4        | -3,065.1     | 3,071.0                 | 0.00                    | 0.00                |                             |
| 8,700.0               | 90.40           | 270.96      | 5,726.9               | 379.1        | -3,165.1     | 3,171.0                 | 0.00                    | 0.00                |                             |

# Planning Report

|                  |                             |                                     |                                        |
|------------------|-----------------------------|-------------------------------------|----------------------------------------|
| <b>Database:</b> | USA EDM 5000 Multi Users DB | <b>Local Co-ordinate Reference:</b> | Well Escrito L14-2408 04H              |
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc  | <b>TVD Reference:</b>               | WELL @ 6912.0usft (Original Well Elev) |
| <b>Project:</b>  | San Juan County, NM         | <b>MD Reference:</b>                | WELL @ 6912.0usft (Original Well Elev) |
| <b>Site:</b>     | S14-T24N-R8W                | <b>North Reference:</b>             | True                                   |
| <b>Well:</b>     | Escrito L14-2408 04H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Wellbore:</b> | HZ                          |                                     |                                        |
| <b>Design:</b>   | Plan #1                     |                                     |                                        |

## Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100u) | Comments / Formations |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|---------------------|-----------------------|
| 8,800.0               | 90.40           | 270.96      | 5,726.2               | 380.8        | -3,265.1     | 3,271.0                 | 0.00                    | 0.00                |                       |
| 8,900.0               | 90.40           | 270.96      | 5,725.5               | 382.4        | -3,365.1     | 3,371.0                 | 0.00                    | 0.00                |                       |
| 9,000.0               | 90.40           | 270.96      | 5,724.8               | 384.1        | -3,465.0     | 3,471.0                 | 0.00                    | 0.00                |                       |
| 9,100.0               | 90.40           | 270.96      | 5,724.1               | 385.8        | -3,565.0     | 3,571.0                 | 0.00                    | 0.00                |                       |
| 9,200.0               | 90.40           | 270.96      | 5,723.4               | 387.5        | -3,665.0     | 3,671.0                 | 0.00                    | 0.00                |                       |
| 9,300.0               | 90.40           | 270.96      | 5,722.7               | 389.2        | -3,765.0     | 3,771.0                 | 0.00                    | 0.00                |                       |
| 9,400.0               | 90.40           | 270.96      | 5,722.0               | 390.9        | -3,865.0     | 3,871.0                 | 0.00                    | 0.00                |                       |
| 9,500.0               | 90.40           | 270.96      | 5,721.3               | 392.5        | -3,965.0     | 3,971.0                 | 0.00                    | 0.00                |                       |
| 9,600.0               | 90.40           | 270.96      | 5,720.6               | 394.2        | -4,064.9     | 4,071.0                 | 0.00                    | 0.00                |                       |
| 9,700.0               | 90.40           | 270.96      | 5,719.9               | 395.9        | -4,164.9     | 4,171.0                 | 0.00                    | 0.00                |                       |
| 9,800.0               | 90.40           | 270.96      | 5,719.2               | 397.6        | -4,264.9     | 4,271.0                 | 0.00                    | 0.00                |                       |
| 9,900.0               | 90.40           | 270.96      | 5,718.5               | 399.3        | -4,364.9     | 4,371.0                 | 0.00                    | 0.00                |                       |
| 10,000.0              | 90.40           | 270.96      | 5,717.8               | 401.0        | -4,464.9     | 4,471.0                 | 0.00                    | 0.00                |                       |
| 10,100.0              | 90.40           | 270.96      | 5,717.1               | 402.6        | -4,564.9     | 4,571.0                 | 0.00                    | 0.00                |                       |
| 10,200.0              | 90.40           | 270.96      | 5,716.4               | 404.3        | -4,664.8     | 4,671.0                 | 0.00                    | 0.00                |                       |
| 10,300.0              | 90.40           | 270.96      | 5,715.7               | 406.0        | -4,764.8     | 4,771.0                 | 0.00                    | 0.00                |                       |
| 10,400.0              | 90.40           | 270.96      | 5,715.0               | 407.7        | -4,864.8     | 4,871.0                 | 0.00                    | 0.00                |                       |
| 10,447.4              | 90.40           | 270.96      | 5,714.7               | 408.5        | -4,912.2     | 4,918.3                 | 0.00                    | 0.00                | TD at 10447.4         |

## 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 L14-2407 04H P1                                                                  | 0.00          | 0.00         | 5,746.5    | 331.6        | -348.5       | 1,932,781.86    | 2,773,667.01   | 36.311640 | -107.661670 |
| - plan misses target center by 44.7usft at 5897.8usft MD (5707.4 TVD, 322.3 N, -368.3 E) |               |              |            |              |              |                 |                |           |             |
| - Point                                                                                  |               |              |            |              |              |                 |                |           |             |
| Escrito L14-2408 04H P1                                                                  | 0.00          | 0.00         | 5,714.7    | 408.5        | -4,912.2     | 1,932,850.58    | 2,769,103.23   | 36.311850 | -107.677160 |
| - plan hits target center                                                                |               |              |            |              |              |                 |                |           |             |
| - Point                                                                                  |               |              |            |              |              |                 |                |           |             |

## Casing Points

| Measured Depth (usft) | Vertical Depth (usft) | Name         | Casing Diameter (") | Hole Diameter (") |
|-----------------------|-----------------------|--------------|---------------------|-------------------|
| 5,747.1               | 5,637.4               | 7" ICP @ 55° | 0                   | 0                 |
| 500.0                 | 500.0                 | 9 5/8"       | 0                   | 0                 |

# Planning Report

|                  |                             |                                     |                                        |
|------------------|-----------------------------|-------------------------------------|----------------------------------------|
| <b>Database:</b> | USA EDM 5000 Multi Users DB | <b>Local Co-ordinate Reference:</b> | Well Escrito L14-2408 04H              |
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc  | <b>TVD Reference:</b>               | WELL @ 6912.0usft (Original Well Elev) |
| <b>Project:</b>  | San Juan County, NM         | <b>MD Reference:</b>                | WELL @ 6912.0usft (Original Well Elev) |
| <b>Site:</b>     | S14-T24N-R8W                | <b>North Reference:</b>             | True                                   |
| <b>Well:</b>     | Escrito L14-2408 04H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Wellbore:</b> | HZ                          |                                     |                                        |
| <b>Design:</b>   | Plan #1                     |                                     |                                        |

| Formations            |                       |                     |           |         |                   |  |
|-----------------------|-----------------------|---------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name                | Lithology | Dip (°) | Dip Direction (°) |  |
| 1,339.0               | 1,339.0               | Ojo Alamo Ss.       |           | -0.40   | 270.96            |  |
| 1,548.0               | 1,548.0               | Kirtland Shale      |           | -0.40   | 270.96            |  |
| 1,707.0               | 1,707.0               | Fruitland Coal      |           | -0.40   | 270.96            |  |
| 2,057.0               | 2,057.0               | Pictured Cliffs Ss. |           | -0.40   | 270.96            |  |
| 2,166.0               | 2,166.0               | Lewis Shale         |           | -0.40   | 270.96            |  |
| 2,922.0               | 2,922.0               | Cliffhouse Ss.      |           | -0.40   | 270.96            |  |
| 3,629.0               | 3,629.0               | Menefee Fn.         |           | -0.40   | 270.96            |  |
| 4,374.2               | 4,374.0               | Point Lookout Ss.   |           | -0.40   | 270.96            |  |
| 4,594.8               | 4,592.0               | Mancos Shale        |           | -0.40   | 270.96            |  |
| 5,235.3               | 5,214.0               | Mancos Silt         |           | -0.40   | 270.96            |  |
| 5,479.6               | 5,442.0               | Gallup Fn.          |           | -0.40   | 270.96            |  |
| 7,856.1               | 5,749.0               | Horizontal Target   |           | -0.40   | 270.96            |  |

| Plan Annotations      |                       |                   |              |                             |  |
|-----------------------|-----------------------|-------------------|--------------|-----------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              |                             |  |
|                       |                       | +N/-S (usft)      | +E/-W (usft) | Comment                     |  |
| 4,200.0               | 4,200.0               | 0.0               | 0.0          | KOP @ 4200'                 |  |
| 4,663.8               | 4,659.2               | 56.0              | -1.3         | EOB; Inc=13.91°             |  |
| 5,215.1               | 5,194.4               | 188.6             | -4.5         | Start build/turn @ 5215' MD |  |
| 6,113.4               | 5,744.9               | 335.5             | -578.9       | LP @ 5744' TVD; 90.4°       |  |
| 10,447.4              | 5,714.7               | 408.5             | -4,912.2     | TD at 10447.4               |  |



## **EnCana Oil & Gas (USA) Inc**

**San Juan County, NM**

**S14-T24N-R8W**

**Escrito L14-2408 04H**

**HZ**

**Plan #1**

## **Anticollision Report**

**31 March, 2014**

|                           |                            |                                     |                                      |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc | <b>Local Co-ordinate Reference:</b> | Well Escrito L14-2408 04H            |
| <b>Project:</b>           | San Juan County, NM        | <b>TVD Reference:</b>               | WELL @ 6912.0ft (Original Well Elev) |
| <b>Reference Site:</b>    | S14-T24N-R8W               | <b>MD Reference:</b>                | WELL @ 6912.0ft (Original Well Elev) |
| <b>Site Error:</b>        | 0.0ft                      | <b>North Reference:</b>             | True                                 |
| <b>Reference Well:</b>    | Escrito L14-2408 04H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Well Error:</b>        | 0.0ft                      | <b>Output errors are at</b>         | 2.00 sigma                           |
| <b>Reference Wellbore</b> | HZ                         | <b>Database:</b>                    | USA EDM 5000 Multi Users DB          |
| <b>Reference Design:</b>  | Plan #1                    | <b>Offset TVD Reference:</b>        | Offset Datum                         |

|                              |                                                                     |                |                     |
|------------------------------|---------------------------------------------------------------------|----------------|---------------------|
| Reference                    | Plan #1                                                             |                |                     |
| Filter type:                 | NO GLOBAL FILTER: Using user defined selection & filtering criteria |                |                     |
| Interpolation Method:        | Stations                                                            | Error Model:   | Systematic Ellipse  |
| Depth Range:                 | Unlimited                                                           | Scan Method:   | Closest Approach 3D |
| Results Limited by:          | Maximum center-center distance of 1,550.0ft                         | Error Surface: | Elliptical Conic    |
| Warning Levels Evaluated at: | 2.00 Sigma                                                          |                |                     |

|                            |                       |                          |                  |                    |  |
|----------------------------|-----------------------|--------------------------|------------------|--------------------|--|
| <b>Survey Tool Program</b> | <b>Date</b> 3/31/2014 |                          |                  |                    |  |
| <b>From (ft)</b>           | <b>To (ft)</b>        | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |  |
| 0.0                        | 10,447.3              | Plan #1 (HZ)             | Geolink MWD      | Geolink MWD        |  |

|                                             |                                      |                                   |                                      |                                       |                          |                |
|---------------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|---------------------------------------|--------------------------|----------------|
| <b>Summary</b>                              |                                      |                                   |                                      |                                       |                          |                |
| <b>Site Name</b>                            | <b>Reference Measured Depth (ft)</b> | <b>Offset Measured Depth (ft)</b> | <b>Distance Between Centres (ft)</b> | <b>Distance Between Ellipses (ft)</b> | <b>Separation Factor</b> | <b>Warning</b> |
| <b>Offset Well - Wellbore - Design</b>      |                                      |                                   |                                      |                                       |                          |                |
| S14-T24N-R8W                                |                                      |                                   |                                      |                                       |                          |                |
| Escrito L14-2408 01H - HZ - Plan #1         | 3,500.0                              | 3,500.0                           | 29.8                                 | 17.7                                  | 2.452                    | CC, ES         |
| Escrito L14-2408 01H - HZ - Plan #1         | 3,600.0                              | 3,599.6                           | 30.4                                 | 17.9                                  | 2.429                    | SF             |
| Escrito L14-2408 02H - HZ - Plan #1         | 3,000.0                              | 3,000.0                           | 42.6                                 | 32.2                                  | 4.089                    | CC, ES, SF     |
| Escrito L14-2408 03H - HZ - Plan #1         | 3,400.0                              | 3,400.0                           | 30.1                                 | 18.3                                  | 2.551                    | CC, ES, SF     |
| Escrito L14-2408 03H - Pilot Hole - Plan #1 | 4,200.0                              | 4,200.0                           | 30.1                                 | 15.5                                  | 2.063                    | CC, ES, SF     |

**Company:** EnCana Oil & Gas (USA) Inc  
**Project:** San Juan County, NM  
**Reference Site:** S14-T24N-R8W  
**Site Error:** 0.0ft  
**Reference Well:** Escrito L14-2408 04H  
**Well Error:** 0.0ft  
**Reference Wellbore:** HZ  
**Reference Design:** Plan #1

**Local Co-ordinate Reference:** Well Escrito L14-2408 04H  
**TVD Reference:** WELL @ 6912.0ft (Original Well Elev)  
**MD Reference:** WELL @ 6912.0ft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Output errors are at** 2.00 sigma  
**Database:** USA EDM 5000 Multi Users DB  
**Offset TVD Reference:** Offset Datum

| Offset Design S14-T24N-R8W - Escrito L14-2408 01H - HZ - Plan #1 |                           |                           |                           |                   |                |                             |                        |               |                            |                             |                              |                      | Offset Site Error: | 0.0 ft |
|------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|------------------------|---------------|----------------------------|-----------------------------|------------------------------|----------------------|--------------------|--------|
| Survey Program: O-Geolink MWD                                    |                           |                           |                           |                   |                |                             |                        |               |                            |                             |                              |                      | Offset Well Error: | 0.0 ft |
| Reference                                                        |                           | Offset                    |                           | Semi Major Axis   |                | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |               | Distance                   |                             | Total<br>Uncertainty<br>Axis | Separation<br>Factor | Warning            |        |
| Measured<br>Depth<br>(ft)                                        | Vertical<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Reference<br>(ft) | Offset<br>(ft) |                             | +N/-S<br>(ft)          | +E/-W<br>(ft) | Between<br>Centres<br>(ft) | Between<br>Ellipses<br>(ft) |                              |                      |                    |        |
| 0.0                                                              | 0.0                       | 0.0                       | 0.0                       | 0.0               | 0.0            | 78.02                       | 6.2                    | 29.2          | 29.8                       |                             |                              |                      |                    |        |
| 100.0                                                            | 100.0                     | 100.0                     | 100.0                     | 0.1               | 0.1            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 29.5                        | 0.29                         | 101.690              |                    |        |
| 200.0                                                            | 200.0                     | 200.0                     | 200.0                     | 0.3               | 0.3            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 29.2                        | 0.64                         | 46.424               |                    |        |
| 300.0                                                            | 300.0                     | 300.0                     | 300.0                     | 0.5               | 0.5            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 28.8                        | 0.99                         | 30.077               |                    |        |
| 400.0                                                            | 400.0                     | 400.0                     | 400.0                     | 0.7               | 0.7            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 28.5                        | 1.34                         | 22.245               |                    |        |
| 500.0                                                            | 500.0                     | 500.0                     | 500.0                     | 0.8               | 0.8            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 28.1                        | 1.69                         | 17.649               |                    |        |
| 600.0                                                            | 600.0                     | 600.0                     | 600.0                     | 1.0               | 1.0            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 27.8                        | 2.04                         | 14.627               |                    |        |
| 700.0                                                            | 700.0                     | 700.0                     | 700.0                     | 1.2               | 1.2            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 27.4                        | 2.39                         | 12.488               |                    |        |
| 800.0                                                            | 800.0                     | 800.0                     | 800.0                     | 1.4               | 1.4            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 27.1                        | 2.74                         | 10.895               |                    |        |
| 900.0                                                            | 900.0                     | 900.0                     | 900.0                     | 1.5               | 1.5            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 26.7                        | 3.09                         | 9.663                |                    |        |
| 1,000.0                                                          | 1,000.0                   | 1,000.0                   | 1,000.0                   | 1.7               | 1.7            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 26.4                        | 3.43                         | 8.681                |                    |        |
| 1,100.0                                                          | 1,100.0                   | 1,100.0                   | 1,100.0                   | 1.9               | 1.9            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 26.0                        | 3.78                         | 7.880                |                    |        |
| 1,200.0                                                          | 1,200.0                   | 1,200.0                   | 1,200.0                   | 2.1               | 2.1            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 25.7                        | 4.13                         | 7.214                |                    |        |
| 1,300.0                                                          | 1,300.0                   | 1,300.0                   | 1,300.0                   | 2.2               | 2.2            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 25.3                        | 4.48                         | 6.653                |                    |        |
| 1,400.0                                                          | 1,400.0                   | 1,400.0                   | 1,400.0                   | 2.4               | 2.4            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 25.0                        | 4.83                         | 6.172                |                    |        |
| 1,500.0                                                          | 1,500.0                   | 1,500.0                   | 1,500.0                   | 2.6               | 2.6            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 24.6                        | 5.18                         | 5.756                |                    |        |
| 1,600.0                                                          | 1,600.0                   | 1,600.0                   | 1,600.0                   | 2.8               | 2.8            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 24.3                        | 5.53                         | 5.393                |                    |        |
| 1,700.0                                                          | 1,700.0                   | 1,700.0                   | 1,700.0                   | 2.9               | 2.9            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 23.9                        | 5.88                         | 5.072                |                    |        |
| 1,800.0                                                          | 1,800.0                   | 1,800.0                   | 1,800.0                   | 3.1               | 3.1            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 23.6                        | 6.23                         | 4.788                |                    |        |
| 1,900.0                                                          | 1,900.0                   | 1,900.0                   | 1,900.0                   | 3.3               | 3.3            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 23.2                        | 6.58                         | 4.534                |                    |        |
| 2,000.0                                                          | 2,000.0                   | 2,000.0                   | 2,000.0                   | 3.5               | 3.5            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 22.9                        | 6.93                         | 4.305                |                    |        |
| 2,100.0                                                          | 2,100.0                   | 2,100.0                   | 2,100.0                   | 3.6               | 3.6            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 22.5                        | 7.27                         | 4.099                |                    |        |
| 2,200.0                                                          | 2,200.0                   | 2,200.0                   | 2,200.0                   | 3.8               | 3.8            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 22.2                        | 7.62                         | 3.911                |                    |        |
| 2,300.0                                                          | 2,300.0                   | 2,300.0                   | 2,300.0                   | 4.0               | 4.0            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 21.8                        | 7.97                         | 3.740                |                    |        |
| 2,400.0                                                          | 2,400.0                   | 2,400.0                   | 2,400.0                   | 4.2               | 4.2            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 21.5                        | 8.32                         | 3.583                |                    |        |
| 2,500.0                                                          | 2,500.0                   | 2,500.0                   | 2,500.0                   | 4.3               | 4.3            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 21.1                        | 8.67                         | 3.439                |                    |        |
| 2,600.0                                                          | 2,600.0                   | 2,600.0                   | 2,600.0                   | 4.5               | 4.5            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 20.8                        | 9.02                         | 3.306                |                    |        |
| 2,700.0                                                          | 2,700.0                   | 2,700.0                   | 2,700.0                   | 4.7               | 4.7            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 20.4                        | 9.37                         | 3.183                |                    |        |
| 2,800.0                                                          | 2,800.0                   | 2,800.0                   | 2,800.0                   | 4.9               | 4.9            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 20.1                        | 9.72                         | 3.068                |                    |        |
| 2,900.0                                                          | 2,900.0                   | 2,900.0                   | 2,900.0                   | 5.0               | 5.0            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 19.8                        | 10.07                        | 2.962                |                    |        |
| 3,000.0                                                          | 3,000.0                   | 3,000.0                   | 3,000.0                   | 5.2               | 5.2            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 19.4                        | 10.42                        | 2.863                |                    |        |
| 3,100.0                                                          | 3,100.0                   | 3,100.0                   | 3,100.0                   | 5.4               | 5.4            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 19.1                        | 10.77                        | 2.770                |                    |        |
| 3,200.0                                                          | 3,200.0                   | 3,200.0                   | 3,200.0                   | 5.6               | 5.6            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 18.7                        | 11.11                        | 2.683                |                    |        |
| 3,300.0                                                          | 3,300.0                   | 3,300.0                   | 3,300.0                   | 5.7               | 5.7            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 18.4                        | 11.46                        | 2.601                |                    |        |
| 3,400.0                                                          | 3,400.0                   | 3,400.0                   | 3,400.0                   | 5.9               | 5.9            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 18.0                        | 11.81                        | 2.524                |                    |        |
| 3,500.0                                                          | 3,500.0                   | 3,500.0                   | 3,500.0                   | 6.1               | 6.1            | 78.02                       | 6.2                    | 29.2          | 29.8                       | 17.7                        | 12.16                        | 2.452 CC, ES         |                    |        |
| 3,600.0                                                          | 3,600.0                   | 3,599.6                   | 3,599.6                   | 6.3               | 6.3            | 73.20                       | 8.8                    | 29.1          | 30.4                       | 17.9                        | 12.51                        | 2.429 SF             |                    |        |
| 3,700.0                                                          | 3,700.0                   | 3,698.7                   | 3,698.4                   | 6.4               | 6.4            | 60.22                       | 16.5                   | 28.9          | 33.3                       | 20.4                        | 12.86                        | 2.588                |                    |        |
| 3,800.0                                                          | 3,800.0                   | 3,796.9                   | 3,795.7                   | 6.6               | 6.6            | 44.30                       | 29.2                   | 28.5          | 41.0                       | 27.8                        | 13.21                        | 3.103                |                    |        |
| 3,900.0                                                          | 3,900.0                   | 3,895.8                   | 3,893.5                   | 6.8               | 6.8            | 32.51                       | 44.0                   | 28.0          | 52.6                       | 39.0                        | 13.57                        | 3.877                |                    |        |
| 4,000.0                                                          | 4,000.0                   | 3,994.6                   | 3,991.2                   | 7.0               | 7.0            | 25.14                       | 58.8                   | 27.6          | 65.6                       | 51.7                        | 13.91                        | 4.713                |                    |        |
| 4,100.0                                                          | 4,100.0                   | 4,093.5                   | 4,088.9                   | 7.1               | 7.2            | 20.24                       | 73.7                   | 27.2          | 79.3                       | 65.0                        | 14.26                        | 5.559                |                    |        |
| 4,200.0                                                          | 4,200.0                   | 4,192.4                   | 4,186.7                   | 7.3               | 7.5            | 16.81                       | 88.5                   | 26.7          | 93.4                       | 78.8                        | 14.61                        | 6.392                |                    |        |
| 4,300.0                                                          | 4,300.0                   | 4,291.6                   | 4,284.8                   | 7.5               | 7.7            | 15.92                       | 103.4                  | 26.3          | 105.2                      | 90.3                        | 14.95                        | 7.040                |                    |        |
| 4,400.0                                                          | 4,399.6                   | 4,391.3                   | 4,383.4                   | 7.7               | 7.9            | 14.82                       | 118.3                  | 25.8          | 112.2                      | 96.9                        | 15.27                        | 7.346                |                    |        |
| 4,500.0                                                          | 4,498.8                   | 4,491.3                   | 4,482.2                   | 7.8               | 8.2            | 14.51                       | 133.3                  | 25.4          | 114.0                      | 98.5                        | 15.56                        | 7.327                |                    |        |
| 4,600.0                                                          | 4,597.1                   | 4,591.2                   | 4,581.0                   | 8.1               | 8.4            | 14.92                       | 148.3                  | 25.0          | 110.9                      | 95.0                        | 15.84                        | 6.999                |                    |        |
| 4,663.8                                                          | 4,659.3                   | 4,654.8                   | 4,643.9                   | 8.2               | 8.6            | 15.59                       | 157.8                  | 24.7          | 106.2                      | 90.2                        | 16.01                        | 6.635                |                    |        |
| 4,700.0                                                          | 4,694.4                   | 4,690.9                   | 4,679.6                   | 8.3               | 8.6            | 16.07                       | 163.2                  | 24.5          | 103.0                      | 86.8                        | 16.14                        | 6.380                |                    |        |
| 4,800.0                                                          | 4,791.5                   | 4,790.4                   | 4,778.0                   | 8.5               | 8.9            | 17.58                       | 178.2                  | 24.1          | 94.1                       | 77.6                        | 16.52                        | 5.698                |                    |        |
| 4,900.0                                                          | 4,888.5                   | 4,890.0                   | 4,876.5                   | 8.8               | 9.2            | 19.39                       | 193.1                  | 23.6          | 85.4                       | 68.5                        | 16.91                        | 5.047                |                    |        |
| 5,000.0                                                          | 4,985.6                   | 4,989.6                   | 4,974.9                   | 9.1               | 9.4            | 21.61                       | 208.0                  | 23.2          | 76.7                       | 59.4                        | 17.32                        | 4.428                |                    |        |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

**Company:** EnCana Oil & Gas (USA) Inc  
**Project:** San Juan County, NM  
**Reference Site:** S14-T24N-R8W  
**Site Error:** 0.0ft  
**Reference Well:** Escrito L14-2408 04H  
**Well Error:** 0.0ft  
**Reference Wellbore:** HZ  
**Reference Design:** Plan #1

**Local Co-ordinate Reference:** Well Escrito L14-2408 04H  
**TVD Reference:** WELL @ 6912.0ft (Original Well Elev)  
**MD Reference:** WELL @ 6912.0ft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Output errors are at** 2.00 sigma  
**Database:** USA EDM 5000 Multi Users DB  
**Offset TVD Reference:** Offset Datum

| Offset Design S14-T24N-R8W - Escrito L14-2408 01H - HZ - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: |
|------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|
| Survey Program: 0-Geolink MWD                                    |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: |
| Reference                                                        |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                        |                   | Warning            |
| Measured Depth (ft)                                              | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor |                    |
| 5,100.0                                                          | 5,082.7             | 5,089.2             | 5,073.4             | 9.4             | 9.7         | 24.39                 | 223.0                             | 22.7       | 68.2                 | 50.4                  | 17.76                  | 3.839             |                    |
| 5,200.0                                                          | 5,179.7             | 5,188.7             | 5,171.8             | 9.7             | 9.9         | 27.96                 | 237.9                             | 22.3       | 59.9                 | 41.6                  | 18.24                  | 3.281             |                    |
| 5,215.1                                                          | 5,194.4             | 5,203.5             | 5,186.4             | 9.7             | 10.0        | 28.61                 | 240.1                             | 22.3       | 58.6                 | 40.3                  | 18.32                  | 3.201             |                    |
| 5,250.0                                                          | 5,228.2             | 5,236.5             | 5,219.0             | 9.8             | 10.1        | 45.91                 | 245.1                             | 23.5       | 57.0                 | 38.4                  | 18.62                  | 3.064             |                    |
| 5,255.5                                                          | 5,233.5             | 5,241.6             | 5,224.0             | 9.9             | 10.1        | 48.80                 | 245.8                             | 23.8       | 57.0                 | 38.3                  | 18.68                  | 3.053             |                    |
| 5,300.0                                                          | 5,276.4             | 5,282.3             | 5,264.0             | 10.0            | 10.2        | 72.42                 | 252.0                             | 28.2       | 59.7                 | 40.5                  | 19.21                  | 3.106             |                    |
| 5,350.0                                                          | 5,324.0             | 5,324.9             | 5,305.4             | 10.2            | 10.3        | 95.99                 | 258.3                             | 35.9       | 70.6                 | 50.9                  | 19.76                  | 3.576             |                    |
| 5,400.0                                                          | 5,370.5             | 5,362.9             | 5,341.7             | 10.3            | 10.4        | 113.63                | 263.9                             | 45.4       | 91.0                 | 71.0                  | 20.02                  | 4.545             |                    |
| 5,450.0                                                          | 5,415.6             | 5,395.6             | 5,372.5             | 10.5            | 10.5        | 125.65                | 268.7                             | 55.5       | 119.6                | 99.5                  | 20.02                  | 5.971             |                    |
| 5,500.0                                                          | 5,459.0             | 5,422.9             | 5,397.7             | 10.8            | 10.6        | 133.56                | 272.6                             | 65.3       | 154.5                | 134.6                 | 19.84                  | 7.785             |                    |
| 5,550.0                                                          | 5,500.3             | 5,450.0             | 5,422.2             | 11.0            | 10.7        | 139.43                | 276.4                             | 76.2       | 194.3                | 174.8                 | 19.53                  | 9.948             |                    |
| 5,600.0                                                          | 5,539.3             | 5,462.0             | 5,432.9             | 11.3            | 10.7        | 141.39                | 278.1                             | 81.4       | 237.6                | 218.4                 | 19.22                  | 12.361            |                    |
| 5,650.0                                                          | 5,575.6             | 5,474.7             | 5,444.0             | 11.6            | 10.8        | 142.13                | 279.8                             | 87.1       | 283.6                | 264.6                 | 18.92                  | 14.985            |                    |
| 5,700.0                                                          | 5,608.9             | 5,483.4             | 5,451.6             | 12.0            | 10.8        | 140.08                | 281.0                             | 91.2       | 331.4                | 312.6                 | 18.83                  | 17.603            |                    |
| 5,750.0                                                          | 5,639.1             | 5,488.6             | 5,456.2             | 12.5            | 10.8        | 132.08                | 281.7                             | 93.7       | 380.4                | 361.0                 | 19.39                  | 19.620            |                    |
| 5,800.0                                                          | 5,665.8             | 5,500.0             | 5,466.0             | 13.0            | 10.9        | 115.19                | 283.2                             | 99.3       | 430.3                | 409.3                 | 21.02                  | 20.474            |                    |
| 5,850.0                                                          | 5,688.9             | 5,500.0             | 5,466.0             | 13.6            | 10.9        | 47.47                 | 283.2                             | 99.3       | 480.1                | 461.2                 | 18.91                  | 25.390            |                    |
| 5,900.0                                                          | 5,708.2             | 5,500.0             | 5,466.0             | 14.3            | 10.9        | 11.13                 | 283.2                             | 99.3       | 529.9                | 515.9                 | 14.02                  | 37.809            |                    |
| 5,950.0                                                          | 5,723.6             | 5,483.6             | 5,451.9             | 15.1            | 10.8        | -0.82                 | 281.0                             | 91.3       | 578.8                | 565.7                 | 13.11                  | 44.167            |                    |
| 6,000.0                                                          | 5,734.8             | 5,477.5             | 5,446.5             | 15.9            | 10.8        | -4.63                 | 280.2                             | 88.5       | 627.2                | 614.4                 | 12.78                  | 49.065            |                    |
| 6,050.0                                                          | 5,741.9             | 5,470.0             | 5,439.9             | 16.8            | 10.8        | -6.72                 | 279.1                             | 85.0       | 674.5                | 661.9                 | 12.61                  | 53.482            |                    |
| 6,100.0                                                          | 5,744.8             | 5,450.0             | 5,422.2             | 17.8            | 10.7        | -8.09                 | 276.4                             | 76.2       | 720.7                | 708.1                 | 12.58                  | 57.309            |                    |
| 6,113.4                                                          | 5,744.9             | 5,450.0             | 5,422.2             | 18.0            | 10.7        | -8.36                 | 276.4                             | 76.2       | 732.7                | 720.1                 | 12.60                  | 58.171            |                    |
| 6,200.0                                                          | 5,744.3             | 5,450.0             | 5,422.2             | 19.7            | 10.7        | -8.36                 | 276.4                             | 76.2       | 810.9                | 798.0                 | 12.91                  | 62.795            |                    |
| 6,300.0                                                          | 5,743.6             | 5,426.6             | 5,401.1             | 21.8            | 10.6        | -8.42                 | 273.1                             | 66.7       | 902.3                | 889.1                 | 13.26                  | 68.024            |                    |
| 6,400.0                                                          | 5,742.9             | 5,400.0             | 5,376.6             | 24.0            | 10.5        | -8.47                 | 269.3                             | 57.0       | 995.1                | 981.5                 | 13.62                  | 73.071            |                    |
| 6,500.0                                                          | 5,742.2             | 5,400.0             | 5,376.6             | 26.2            | 10.5        | -8.47                 | 269.3                             | 57.0       | 1,088.3              | 1,074.3               | 14.00                  | 77.743            |                    |
| 6,600.0                                                          | 5,741.5             | 5,400.0             | 5,376.6             | 28.4            | 10.5        | -8.47                 | 269.3                             | 57.0       | 1,182.6              | 1,168.3               | 14.38                  | 82.229            |                    |
| 6,700.0                                                          | 5,740.8             | 5,378.2             | 5,356.2             | 30.7            | 10.5        | -8.50                 | 266.1                             | 49.9       | 1,277.2              | 1,262.5               | 14.75                  | 86.576            |                    |
| 6,800.0                                                          | 5,740.1             | 5,369.0             | 5,347.6             | 33.0            | 10.4        | -8.52                 | 264.8                             | 47.2       | 1,372.5              | 1,357.4               | 15.14                  | 90.684            |                    |
| 6,900.0                                                          | 5,739.4             | 5,350.0             | 5,329.5             | 35.4            | 10.4        | -8.54                 | 262.0                             | 41.9       | 1,468.4              | 1,452.9               | 15.51                  | 94.657            |                    |

## Anticollision Report

**Company:** EnCana Oil & Gas (USA) Inc  
**Project:** San Juan County, NM  
**Reference Site:** S14-T24N-R8W  
**Site Error:** 0.0ft  
**Reference Well:** Escrito L14-2408 04H  
**Well Error:** 0.0ft  
**Reference Wellbore:** HZ  
**Reference Design:** Plan #1

**Local Co-ordinate Reference:** Well Escrito L14-2408 04H  
**TVD Reference:** WELL @ 6912.0ft (Original Well Elev)  
**MD Reference:** WELL @ 6912.0ft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Output errors are at** 2.00 sigma  
**Database:** USA EDM 5000 Multi Users DB  
**Offset TVD Reference:** Offset Datum

| Offset Design S14-T24N-R8W - Escrito L14-2408 02H - HZ - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                  |                   | Offset Site Error: | 0.0 ft |
|------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------|-------------------|--------------------|--------|
| Survey Program: 0-Geolink MWD                                    |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                  |                   | Offset Well Error: | 0.0 ft |
| Reference                                                        |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      | Total                 |                  |                   | Warning            |        |
| Measured Depth (ft)                                              | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Uncertainty Axis | Separation Factor |                    |        |
| 0.0                                                              | 0.0                 | 0.0                 | 0.0                 | 0.0             | 0.0         | 123.17                | -23.3                             | 35.6       | 42.6                 |                       |                  |                   |                    |        |
| 100.0                                                            | 100.0               | 100.0               | 100.0               | 0.1             | 0.1         | 123.17                | -23.3                             | 35.6       | 42.6                 | 42.3                  | 0.29             | 145.242           |                    |        |
| 200.0                                                            | 200.0               | 200.0               | 200.0               | 0.3             | 0.3         | 123.17                | -23.3                             | 35.6       | 42.6                 | 41.9                  | 0.64             | 66.306            |                    |        |
| 300.0                                                            | 300.0               | 300.0               | 300.0               | 0.5             | 0.5         | 123.17                | -23.3                             | 35.6       | 42.6                 | 41.6                  | 0.99             | 42.959            |                    |        |
| 400.0                                                            | 400.0               | 400.0               | 400.0               | 0.7             | 0.7         | 123.17                | -23.3                             | 35.6       | 42.6                 | 41.2                  | 1.34             | 31.772            |                    |        |
| 500.0                                                            | 500.0               | 500.0               | 500.0               | 0.8             | 0.8         | 123.17                | -23.3                             | 35.6       | 42.6                 | 40.9                  | 1.69             | 25.207            |                    |        |
| 600.0                                                            | 600.0               | 600.0               | 600.0               | 1.0             | 1.0         | 123.17                | -23.3                             | 35.6       | 42.6                 | 40.5                  | 2.04             | 20.891            |                    |        |
| 700.0                                                            | 700.0               | 700.0               | 700.0               | 1.2             | 1.2         | 123.17                | -23.3                             | 35.6       | 42.6                 | 40.2                  | 2.39             | 17.837            |                    |        |
| 800.0                                                            | 800.0               | 800.0               | 800.0               | 1.4             | 1.4         | 123.17                | -23.3                             | 35.6       | 42.6                 | 39.9                  | 2.74             | 15.562            |                    |        |
| 900.0                                                            | 900.0               | 900.0               | 900.0               | 1.5             | 1.5         | 123.17                | -23.3                             | 35.6       | 42.6                 | 39.5                  | 3.09             | 13.801            |                    |        |
| 1,000.0                                                          | 1,000.0             | 1,000.0             | 1,000.0             | 1.7             | 1.7         | 123.17                | -23.3                             | 35.6       | 42.6                 | 39.2                  | 3.43             | 12.399            |                    |        |
| 1,100.0                                                          | 1,100.0             | 1,100.0             | 1,100.0             | 1.9             | 1.9         | 123.17                | -23.3                             | 35.6       | 42.6                 | 38.8                  | 3.78             | 11.255            |                    |        |
| 1,200.0                                                          | 1,200.0             | 1,200.0             | 1,200.0             | 2.1             | 2.1         | 123.17                | -23.3                             | 35.6       | 42.6                 | 38.5                  | 4.13             | 10.304            |                    |        |
| 1,300.0                                                          | 1,300.0             | 1,300.0             | 1,300.0             | 2.2             | 2.2         | 123.17                | -23.3                             | 35.6       | 42.6                 | 38.1                  | 4.48             | 9.502             |                    |        |
| 1,400.0                                                          | 1,400.0             | 1,400.0             | 1,400.0             | 2.4             | 2.4         | 123.17                | -23.3                             | 35.6       | 42.6                 | 37.8                  | 4.83             | 8.815             |                    |        |
| 1,500.0                                                          | 1,500.0             | 1,500.0             | 1,500.0             | 2.6             | 2.6         | 123.17                | -23.3                             | 35.6       | 42.6                 | 37.4                  | 5.18             | 8.221             |                    |        |
| 1,600.0                                                          | 1,600.0             | 1,600.0             | 1,600.0             | 2.8             | 2.8         | 123.17                | -23.3                             | 35.6       | 42.6                 | 37.1                  | 5.53             | 7.702             |                    |        |
| 1,700.0                                                          | 1,700.0             | 1,700.0             | 1,700.0             | 2.9             | 2.9         | 123.17                | -23.3                             | 35.6       | 42.6                 | 36.7                  | 5.88             | 7.245             |                    |        |
| 1,800.0                                                          | 1,800.0             | 1,800.0             | 1,800.0             | 3.1             | 3.1         | 123.17                | -23.3                             | 35.6       | 42.6                 | 36.4                  | 6.23             | 6.839             |                    |        |
| 1,900.0                                                          | 1,900.0             | 1,900.0             | 1,900.0             | 3.3             | 3.3         | 123.17                | -23.3                             | 35.6       | 42.6                 | 36.0                  | 6.58             | 6.476             |                    |        |
| 2,000.0                                                          | 2,000.0             | 2,000.0             | 2,000.0             | 3.5             | 3.5         | 123.17                | -23.3                             | 35.6       | 42.6                 | 35.7                  | 6.93             | 6.149             |                    |        |
| 2,100.0                                                          | 2,100.0             | 2,100.0             | 2,100.0             | 3.6             | 3.6         | 123.17                | -23.3                             | 35.6       | 42.6                 | 35.3                  | 7.27             | 5.854             |                    |        |
| 2,200.0                                                          | 2,200.0             | 2,200.0             | 2,200.0             | 3.8             | 3.8         | 123.17                | -23.3                             | 35.6       | 42.6                 | 35.0                  | 7.62             | 5.586             |                    |        |
| 2,300.0                                                          | 2,300.0             | 2,300.0             | 2,300.0             | 4.0             | 4.0         | 123.17                | -23.3                             | 35.6       | 42.6                 | 34.6                  | 7.97             | 5.342             |                    |        |
| 2,400.0                                                          | 2,400.0             | 2,400.0             | 2,400.0             | 4.2             | 4.2         | 123.17                | -23.3                             | 35.6       | 42.6                 | 34.3                  | 8.32             | 5.118             |                    |        |
| 2,500.0                                                          | 2,500.0             | 2,500.0             | 2,500.0             | 4.3             | 4.3         | 123.17                | -23.3                             | 35.6       | 42.6                 | 33.9                  | 8.67             | 4.912             |                    |        |
| 2,600.0                                                          | 2,600.0             | 2,600.0             | 2,600.0             | 4.5             | 4.5         | 123.17                | -23.3                             | 35.6       | 42.6                 | 33.6                  | 9.02             | 4.722             |                    |        |
| 2,700.0                                                          | 2,700.0             | 2,700.0             | 2,700.0             | 4.7             | 4.7         | 123.17                | -23.3                             | 35.6       | 42.6                 | 33.2                  | 9.37             | 4.546             |                    |        |
| 2,800.0                                                          | 2,800.0             | 2,800.0             | 2,800.0             | 4.9             | 4.9         | 123.17                | -23.3                             | 35.6       | 42.6                 | 32.9                  | 9.72             | 4.382             |                    |        |
| 2,900.0                                                          | 2,900.0             | 2,900.0             | 2,900.0             | 5.0             | 5.0         | 123.17                | -23.3                             | 35.6       | 42.6                 | 32.5                  | 10.07            | 4.230             |                    |        |
| 3,000.0                                                          | 3,000.0             | 3,000.0             | 3,000.0             | 5.2             | 5.2         | 123.17                | -23.3                             | 35.6       | 42.6                 | 32.2                  | 10.42            | 4.089 CC, ES, SF  |                    |        |
| 3,100.0                                                          | 3,100.0             | 3,098.7             | 3,098.7             | 5.4             | 5.4         | 125.97                | -25.8                             | 35.6       | 44.0                 | 33.3                  | 10.76            | 4.091             |                    |        |
| 3,200.0                                                          | 3,200.0             | 3,196.9             | 3,196.6             | 5.6             | 5.6         | 133.27                | -33.4                             | 35.5       | 48.9                 | 37.8                  | 11.11            | 4.401             |                    |        |
| 3,300.0                                                          | 3,300.0             | 3,294.1             | 3,292.9             | 5.7             | 5.7         | 142.39                | -45.9                             | 35.4       | 58.4                 | 46.9                  | 11.46            | 5.092             |                    |        |
| 3,400.0                                                          | 3,400.0             | 3,389.8             | 3,387.1             | 5.9             | 6.0         | 150.81                | -62.9                             | 35.1       | 73.2                 | 61.4                  | 11.81            | 6.201             |                    |        |
| 3,500.0                                                          | 3,500.0             | 3,483.5             | 3,478.3             | 6.1             | 6.2         | 157.49                | -84.2                             | 34.9       | 93.6                 | 81.5                  | 12.15            | 7.706             |                    |        |
| 3,600.0                                                          | 3,600.0             | 3,574.9             | 3,566.2             | 6.3             | 6.5         | 162.43                | -109.2                            | 34.6       | 119.4                | 106.9                 | 12.49            | 9.559             |                    |        |
| 3,700.0                                                          | 3,700.0             | 3,663.7             | 3,650.4             | 6.4             | 6.8         | 166.02                | -137.4                            | 34.2       | 150.1                | 137.3                 | 12.82            | 11.708            |                    |        |
| 3,800.0                                                          | 3,800.0             | 3,750.7             | 3,731.5             | 6.6             | 7.1         | 168.68                | -168.9                            | 33.8       | 185.4                | 172.3                 | 13.14            | 14.106            |                    |        |
| 3,900.0                                                          | 3,900.0             | 3,841.8             | 3,815.7             | 6.8             | 7.5         | 170.70                | -203.8                            | 33.4       | 223.1                | 209.6                 | 13.47            | 16.557            |                    |        |
| 4,000.0                                                          | 4,000.0             | 3,934.2             | 3,901.0             | 7.0             | 8.0         | 172.16                | -239.2                            | 32.9       | 261.0                | 247.2                 | 13.81            | 18.900            |                    |        |
| 4,100.0                                                          | 4,100.0             | 4,026.5             | 3,986.3             | 7.1             | 8.4         | 173.26                | -274.6                            | 32.5       | 299.0                | 284.8                 | 14.14            | 21.141            |                    |        |
| 4,200.0                                                          | 4,200.0             | 4,118.9             | 4,071.7             | 7.3             | 8.9         | 174.10                | -310.0                            | 32.0       | 337.0                | 322.5                 | 14.47            | 23.285            |                    |        |
| 4,300.0                                                          | 4,300.0             | 4,210.2             | 4,156.0             | 7.5             | 9.4         | 176.08                | -344.9                            | 31.6       | 377.5                | 362.7                 | 14.78            | 25.536            |                    |        |
| 4,400.0                                                          | 4,399.6             | 4,299.3             | 4,238.3             | 7.7             | 9.9         | 176.59                | -379.1                            | 31.2       | 422.8                | 407.7                 | 15.05            | 28.095            |                    |        |
| 4,500.0                                                          | 4,498.8             | 4,385.9             | 4,318.3             | 7.8             | 10.4        | 177.03                | -412.2                            | 30.7       | 472.7                | 457.4                 | 15.28            | 30.941            |                    |        |
| 4,600.0                                                          | 4,597.1             | 4,469.7             | 4,395.7             | 8.1             | 10.9        | 177.40                | -444.3                            | 30.3       | 527.0                | 511.6                 | 15.47            | 34.071            |                    |        |
| 4,663.8                                                          | 4,659.3             | 4,521.7             | 4,443.7             | 8.2             | 11.2        | 177.60                | -464.2                            | 30.1       | 564.0                | 548.4                 | 15.57            | 36.218            |                    |        |
| 4,700.0                                                          | 4,694.4             | 4,550.8             | 4,470.6             | 8.3             | 11.4        | 177.74                | -475.4                            | 29.9       | 585.5                | 569.8                 | 15.68            | 37.333            |                    |        |
| 4,800.0                                                          | 4,791.5             | 4,631.3             | 4,544.9             | 8.5             | 11.9        | 178.07                | -506.2                            | 29.5       | 644.8                | 628.8                 | 15.99            | 40.334            |                    |        |
| 4,900.0                                                          | 4,888.5             | 4,711.7             | 4,619.3             | 8.8             | 12.4        | 178.35                | -537.0                            | 29.2       | 704.1                | 687.8                 | 16.29            | 43.223            |                    |        |
| 5,000.0                                                          | 4,985.6             | 4,792.2             | 4,693.6             | 9.1             | 12.9        | 178.58                | -567.8                            | 28.8       | 763.5                | 746.9                 | 16.59            | 46.007            |                    |        |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

|                           |                            |                                     |                                      |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc | <b>Local Co-ordinate Reference:</b> | Well Escrito L14-2408 04H            |
| <b>Project:</b>           | San Juan County, NM        | <b>TVD Reference:</b>               | WELL @ 6912.0ft (Original Well Elev) |
| <b>Reference Site:</b>    | S14-T24N-R8W               | <b>MD Reference:</b>                | WELL @ 6912.0ft (Original Well Elev) |
| <b>Site Error:</b>        | 0.0ft                      | <b>North Reference:</b>             | True                                 |
| <b>Reference Well:</b>    | Escrito L14-2408 04H       | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Well Error:</b>        | 0.0ft                      | <b>Output errors are at</b>         | 2.00 sigma                           |
| <b>Reference Wellbore</b> | HZ                         | <b>Database:</b>                    | USA EDM 5000 Multi Users DB          |
| <b>Reference Design:</b>  | Plan #1                    | <b>Offset TVD Reference:</b>        | Offset Datum                         |

| Offset Design S14-T24N-R8W - Escrito L14-2408 02H - HZ - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft  |
|------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|---------|
| Survey Program: O-Geolink MWD                                    |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: | 0.0 ft  |
| Reference                                                        |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                        |                   |                    | Warning |
| Measured Depth (ft)                                              | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor |                    |         |
| 5,100.0                                                          | 5,082.7             | 4,872.7             | 4,767.9             | 9.4             | 13.4        | 178.78                | -598.6                            | 28.4       | 822.8                | 805.9                 | 16.90                  | 48.691            |                    |         |
| 5,200.0                                                          | 5,179.7             | 4,953.1             | 4,842.2             | 9.7             | 13.9        | 178.96                | -629.5                            | 28.0       | 882.1                | 864.9                 | 17.20                  | 51.280            |                    |         |
| 5,215.1                                                          | 5,194.4             | 4,965.3             | 4,853.5             | 9.7             | 14.0        | 178.98                | -634.1                            | 27.9       | 891.1                | 873.9                 | 17.25                  | 51.664            |                    |         |
| 5,250.0                                                          | 5,228.2             | 4,993.3             | 4,879.4             | 9.8             | 14.2        | -164.83               | -644.9                            | 27.8       | 911.9                | 894.5                 | 17.33                  | 52.611            |                    |         |
| 5,300.0                                                          | 5,276.4             | 5,033.3             | 4,916.3             | 10.0            | 14.4        | -144.95               | -660.2                            | 27.6       | 941.6                | 924.1                 | 17.54                  | 53.680            |                    |         |
| 5,350.0                                                          | 5,324.0             | 5,072.6             | 4,952.6             | 10.2            | 14.7        | -129.89               | -675.2                            | 27.4       | 971.3                | 953.4                 | 17.84                  | 54.437            |                    |         |
| 5,400.0                                                          | 5,370.5             | 5,111.1             | 4,988.2             | 10.3            | 14.9        | -118.75               | -690.0                            | 27.2       | 1,000.7              | 982.5                 | 18.21                  | 54.942            |                    |         |
| 5,450.0                                                          | 5,415.6             | 5,148.5             | 5,022.7             | 10.5            | 15.1        | -110.34               | -704.3                            | 27.0       | 1,029.8              | 1,011.2               | 18.63                  | 55.263            |                    |         |
| 5,500.0                                                          | 5,459.0             | 5,184.4             | 5,055.9             | 10.8            | 15.4        | -103.80               | -718.1                            | 26.9       | 1,058.5              | 1,039.5               | 19.09                  | 55.454            |                    |         |
| 5,550.0                                                          | 5,500.3             | 5,218.6             | 5,087.5             | 11.0            | 15.6        | -98.54                | -731.2                            | 26.7       | 1,086.9              | 1,067.3               | 19.56                  | 55.553            |                    |         |
| 5,600.0                                                          | 5,539.3             | 5,250.9             | 5,117.3             | 11.3            | 15.8        | -94.18                | -743.5                            | 26.5       | 1,114.9              | 1,094.8               | 20.06                  | 55.584            |                    |         |
| 5,650.0                                                          | 5,575.6             | 5,280.9             | 5,145.0             | 11.6            | 16.0        | -90.46                | -755.0                            | 26.4       | 1,142.4              | 1,121.8               | 20.56                  | 55.561            |                    |         |
| 5,700.0                                                          | 5,608.9             | 5,308.5             | 5,170.5             | 12.0            | 16.2        | -87.19                | -765.6                            | 26.3       | 1,169.6              | 1,148.5               | 21.08                  | 55.492            |                    |         |
| 5,750.0                                                          | 5,639.1             | 5,329.7             | 5,190.1             | 12.5            | 16.3        | -84.09                | -773.7                            | 26.2       | 1,196.4              | 1,174.8               | 21.60                  | 55.380            |                    |         |
| 5,800.0                                                          | 5,665.8             | 5,343.8             | 5,203.1             | 13.0            | 16.4        | -81.01                | -779.1                            | 26.5       | 1,222.9              | 1,200.8               | 22.13                  | 55.267            |                    |         |
| 5,850.0                                                          | 5,688.9             | 5,350.0             | 5,208.8             | 13.6            | 16.4        | -77.85                | -781.5                            | 26.8       | 1,249.2              | 1,226.5               | 22.62                  | 55.218            |                    |         |
| 5,900.0                                                          | 5,708.2             | 5,362.6             | 5,220.4             | 14.3            | 16.5        | -75.27                | -786.3                            | 27.5       | 1,275.0              | 1,251.9               | 23.11                  | 55.160            |                    |         |
| 5,950.0                                                          | 5,723.6             | 5,367.8             | 5,225.2             | 15.1            | 16.6        | -72.59                | -788.2                            | 27.8       | 1,300.4              | 1,276.9               | 23.56                  | 55.200            |                    |         |
| 6,000.0                                                          | 5,734.8             | 5,370.6             | 5,227.9             | 15.9            | 16.6        | -70.05                | -789.3                            | 28.1       | 1,325.3              | 1,301.3               | 23.97                  | 55.293            |                    |         |
| 6,050.0                                                          | 5,741.9             | 5,371.4             | 5,228.6             | 16.8            | 16.6        | -67.66                | -789.6                            | 28.1       | 1,349.4              | 1,325.0               | 24.35                  | 55.408            |                    |         |
| 6,100.0                                                          | 5,744.8             | 5,370.4             | 5,227.7             | 17.8            | 16.6        | -65.45                | -789.3                            | 28.0       | 1,372.7              | 1,348.0               | 24.73                  | 55.503            |                    |         |
| 6,113.4                                                          | 5,744.9             | 5,369.9             | 5,227.2             | 18.0            | 16.6        | -64.89                | -789.0                            | 28.0       | 1,378.8              | 1,353.9               | 24.83                  | 55.519            |                    |         |
| 6,200.0                                                          | 5,744.3             | 5,366.2             | 5,223.8             | 19.7            | 16.5        | -64.72                | -787.7                            | 27.7       | 1,420.0              | 1,393.5               | 26.43                  | 53.721            |                    |         |
| 6,300.0                                                          | 5,743.6             | 5,350.0             | 5,208.8             | 21.8            | 16.4        | -63.97                | -781.5                            | 26.8       | 1,472.5              | 1,444.3               | 28.22                  | 52.173            |                    |         |
| 6,400.0                                                          | 5,742.9             | 5,350.0             | 5,208.8             | 24.0            | 16.4        | -63.97                | -781.5                            | 26.8       | 1,529.6              | 1,499.4               | 30.22                  | 50.618            |                    |         |

|                    |                            |                              |                                      |
|--------------------|----------------------------|------------------------------|--------------------------------------|
| Company:           | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Escrito L14-2408 04H            |
| Project:           | San Juan County, NM        | TVD Reference:               | WELL @ 6912.0ft (Original Well Elev) |
| Reference Site:    | S14-T24N-R8W               | MD Reference:                | WELL @ 6912.0ft (Original Well Elev) |
| Site Error:        | 0.0ft                      | North Reference:             | True                                 |
| Reference Well:    | Escrito L14-2408 04H       | Survey Calculation Method:   | Minimum Curvature                    |
| Well Error:        | 0.0ft                      | Output errors are at         | 2.00 sigma                           |
| Reference Wellbore | HZ                         | Database:                    | USA EDM 5000 Multi Users DB          |
| Reference Design:  | Plan #1                    | Offset TVD Reference:        | Offset Datum                         |

| Offset Design S14-T24N-R8W - Escrito L14-2408 03H - HZ - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                  |                  | Offset Site Error: | 0.0 ft |
|------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------|------------------|--------------------|--------|
| Survey Program: 0-Geolink MWD                                    |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                  |                  | Offset Well Error: | 0.0 ft |
| Reference                                                        |                     | Offset              |                     | Semi Major Axis |             | Distance              |                                   | Total      |                      | Separation            |                  | Warning          |                    |        |
| Measured Depth (ft)                                              | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Uncertainty Axis | Factor           |                    |        |
| 0.0                                                              | 0.0                 | 0.0                 | 0.0                 | 0.0             | 0.0         | 168.15                | -29.5                             | 6.2        | 30.1                 |                       |                  |                  |                    |        |
| 100.0                                                            | 100.0               | 100.0               | 100.0               | 0.1             | 0.1         | 168.15                | -29.5                             | 6.2        | 30.1                 | 29.8                  | 0.29             | 102.752          |                    |        |
| 200.0                                                            | 200.0               | 200.0               | 200.0               | 0.3             | 0.3         | 168.15                | -29.5                             | 6.2        | 30.1                 | 29.5                  | 0.64             | 46.908           |                    |        |
| 300.0                                                            | 300.0               | 300.0               | 300.0               | 0.5             | 0.5         | 168.15                | -29.5                             | 6.2        | 30.1                 | 29.1                  | 0.99             | 30.391           |                    |        |
| 400.0                                                            | 400.0               | 400.0               | 400.0               | 0.7             | 0.7         | 168.15                | -29.5                             | 6.2        | 30.1                 | 28.8                  | 1.34             | 22.477           |                    |        |
| 500.0                                                            | 500.0               | 500.0               | 500.0               | 0.8             | 0.8         | 168.15                | -29.5                             | 6.2        | 30.1                 | 28.4                  | 1.69             | 17.833           |                    |        |
| 600.0                                                            | 600.0               | 600.0               | 600.0               | 1.0             | 1.0         | 168.15                | -29.5                             | 6.2        | 30.1                 | 28.1                  | 2.04             | 14.779           |                    |        |
| 700.0                                                            | 700.0               | 700.0               | 700.0               | 1.2             | 1.2         | 168.15                | -29.5                             | 6.2        | 30.1                 | 27.7                  | 2.39             | 12.619           |                    |        |
| 800.0                                                            | 800.0               | 800.0               | 800.0               | 1.4             | 1.4         | 168.15                | -29.5                             | 6.2        | 30.1                 | 27.4                  | 2.74             | 11.009           |                    |        |
| 900.0                                                            | 900.0               | 900.0               | 900.0               | 1.5             | 1.5         | 168.15                | -29.5                             | 6.2        | 30.1                 | 27.0                  | 3.09             | 9.764            |                    |        |
| 1,000.0                                                          | 1,000.0             | 1,000.0             | 1,000.0             | 1.7             | 1.7         | 168.15                | -29.5                             | 6.2        | 30.1                 | 26.7                  | 3.43             | 8.772            |                    |        |
| 1,100.0                                                          | 1,100.0             | 1,100.0             | 1,100.0             | 1.9             | 1.9         | 168.15                | -29.5                             | 6.2        | 30.1                 | 26.3                  | 3.78             | 7.962            |                    |        |
| 1,200.0                                                          | 1,200.0             | 1,200.0             | 1,200.0             | 2.1             | 2.1         | 168.15                | -29.5                             | 6.2        | 30.1                 | 26.0                  | 4.13             | 7.290            |                    |        |
| 1,300.0                                                          | 1,300.0             | 1,300.0             | 1,300.0             | 2.2             | 2.2         | 168.15                | -29.5                             | 6.2        | 30.1                 | 25.6                  | 4.48             | 6.722            |                    |        |
| 1,400.0                                                          | 1,400.0             | 1,400.0             | 1,400.0             | 2.4             | 2.4         | 168.15                | -29.5                             | 6.2        | 30.1                 | 25.3                  | 4.83             | 6.236            |                    |        |
| 1,500.0                                                          | 1,500.0             | 1,500.0             | 1,500.0             | 2.6             | 2.6         | 168.15                | -29.5                             | 6.2        | 30.1                 | 24.9                  | 5.18             | 5.816            |                    |        |
| 1,600.0                                                          | 1,600.0             | 1,600.0             | 1,600.0             | 2.8             | 2.8         | 168.15                | -29.5                             | 6.2        | 30.1                 | 24.6                  | 5.53             | 5.449            |                    |        |
| 1,700.0                                                          | 1,700.0             | 1,700.0             | 1,700.0             | 2.9             | 2.9         | 168.15                | -29.5                             | 6.2        | 30.1                 | 24.3                  | 5.88             | 5.125            |                    |        |
| 1,800.0                                                          | 1,800.0             | 1,800.0             | 1,800.0             | 3.1             | 3.1         | 168.15                | -29.5                             | 6.2        | 30.1                 | 23.9                  | 6.23             | 4.838            |                    |        |
| 1,900.0                                                          | 1,900.0             | 1,900.0             | 1,900.0             | 3.3             | 3.3         | 168.15                | -29.5                             | 6.2        | 30.1                 | 23.6                  | 6.58             | 4.581            |                    |        |
| 2,000.0                                                          | 2,000.0             | 2,000.0             | 2,000.0             | 3.5             | 3.5         | 168.15                | -29.5                             | 6.2        | 30.1                 | 23.2                  | 6.93             | 4.350            |                    |        |
| 2,100.0                                                          | 2,100.0             | 2,100.0             | 2,100.0             | 3.6             | 3.6         | 168.15                | -29.5                             | 6.2        | 30.1                 | 22.9                  | 7.27             | 4.142            |                    |        |
| 2,200.0                                                          | 2,200.0             | 2,200.0             | 2,200.0             | 3.8             | 3.8         | 168.15                | -29.5                             | 6.2        | 30.1                 | 22.5                  | 7.62             | 3.952            |                    |        |
| 2,300.0                                                          | 2,300.0             | 2,300.0             | 2,300.0             | 4.0             | 4.0         | 168.15                | -29.5                             | 6.2        | 30.1                 | 22.2                  | 7.97             | 3.779            |                    |        |
| 2,400.0                                                          | 2,400.0             | 2,400.0             | 2,400.0             | 4.2             | 4.2         | 168.15                | -29.5                             | 6.2        | 30.1                 | 21.8                  | 8.32             | 3.620            |                    |        |
| 2,500.0                                                          | 2,500.0             | 2,500.0             | 2,500.0             | 4.3             | 4.3         | 168.15                | -29.5                             | 6.2        | 30.1                 | 21.5                  | 8.67             | 3.475            |                    |        |
| 2,600.0                                                          | 2,600.0             | 2,600.0             | 2,600.0             | 4.5             | 4.5         | 168.15                | -29.5                             | 6.2        | 30.1                 | 21.1                  | 9.02             | 3.340            |                    |        |
| 2,700.0                                                          | 2,700.0             | 2,700.0             | 2,700.0             | 4.7             | 4.7         | 168.15                | -29.5                             | 6.2        | 30.1                 | 20.8                  | 9.37             | 3.216            |                    |        |
| 2,800.0                                                          | 2,800.0             | 2,800.0             | 2,800.0             | 4.9             | 4.9         | 168.15                | -29.5                             | 6.2        | 30.1                 | 20.4                  | 9.72             | 3.100            |                    |        |
| 2,900.0                                                          | 2,900.0             | 2,900.0             | 2,900.0             | 5.0             | 5.0         | 168.15                | -29.5                             | 6.2        | 30.1                 | 20.1                  | 10.07            | 2.993            |                    |        |
| 3,000.0                                                          | 3,000.0             | 3,000.0             | 3,000.0             | 5.2             | 5.2         | 168.15                | -29.5                             | 6.2        | 30.1                 | 19.7                  | 10.42            | 2.892            |                    |        |
| 3,100.0                                                          | 3,100.0             | 3,100.0             | 3,100.0             | 5.4             | 5.4         | 168.15                | -29.5                             | 6.2        | 30.1                 | 19.4                  | 10.77            | 2.799            |                    |        |
| 3,200.0                                                          | 3,200.0             | 3,200.0             | 3,200.0             | 5.6             | 5.6         | 168.15                | -29.5                             | 6.2        | 30.1                 | 19.0                  | 11.11            | 2.711            |                    |        |
| 3,300.0                                                          | 3,300.0             | 3,300.0             | 3,300.0             | 5.7             | 5.7         | 168.15                | -29.5                             | 6.2        | 30.1                 | 18.7                  | 11.46            | 2.628            |                    |        |
| 3,400.0                                                          | 3,400.0             | 3,400.0             | 3,400.0             | 5.9             | 5.9         | 168.15                | -29.5                             | 6.2        | 30.1                 | 18.3                  | 11.81            | 2.551 CC, ES, SF |                    |        |
| 3,500.0                                                          | 3,500.0             | 3,498.4             | 3,498.4             | 6.1             | 6.1         | 169.18                | -32.0                             | 6.1        | 32.6                 | 20.5                  | 12.16            | 2.685            |                    |        |
| 3,600.0                                                          | 3,600.0             | 3,596.3             | 3,595.9             | 6.3             | 6.3         | 171.50                | -39.6                             | 5.9        | 40.2                 | 27.7                  | 12.50            | 3.215            |                    |        |
| 3,700.0                                                          | 3,700.0             | 3,693.1             | 3,692.0             | 6.4             | 6.4         | 173.87                | -51.9                             | 5.6        | 52.8                 | 40.0                  | 12.85            | 4.113            |                    |        |
| 3,800.0                                                          | 3,800.0             | 3,788.5             | 3,785.8             | 6.6             | 6.6         | 175.76                | -68.9                             | 5.1        | 70.5                 | 57.3                  | 13.19            | 5.344            |                    |        |
| 3,900.0                                                          | 3,900.0             | 3,881.9             | 3,876.8             | 6.8             | 6.9         | 177.12                | -90.0                             | 4.5        | 93.0                 | 79.5                  | 13.53            | 6.875            |                    |        |
| 4,000.0                                                          | 4,000.0             | 3,973.1             | 3,964.5             | 7.0             | 7.1         | 178.08                | -114.8                            | 3.9        | 120.2                | 106.4                 | 13.86            | 8.673            |                    |        |
| 4,100.0                                                          | 4,100.0             | 4,061.6             | 4,048.5             | 7.1             | 7.4         | 178.76                | -142.9                            | 3.1        | 151.9                | 137.8                 | 14.19            | 10.709           |                    |        |
| 4,200.0                                                          | 4,200.0             | 4,147.3             | 4,128.4             | 7.3             | 7.8         | 179.26                | -173.8                            | 2.2        | 188.0                | 173.5                 | 14.51            | 12.953           |                    |        |
| 4,300.0                                                          | 4,300.0             | 4,228.9             | 4,203.1             | 7.5             | 8.1         | -178.99               | -206.5                            | 1.3        | 230.4                | 215.6                 | 14.81            | 15.565           |                    |        |
| 4,400.0                                                          | 4,399.6             | 4,304.9             | 4,271.4             | 7.7             | 8.5         | -178.71               | -239.8                            | 0.4        | 281.2                | 266.1                 | 15.06            | 18.676           |                    |        |
| 4,500.0                                                          | 4,498.8             | 4,385.0             | 4,342.5             | 7.8             | 9.0         | -178.49               | -276.8                            | -0.6       | 338.5                | 323.2                 | 15.28            | 22.149           |                    |        |
| 4,600.0                                                          | 4,597.1             | 4,463.8             | 4,412.4             | 8.1             | 9.4         | -178.32               | -313.1                            | -1.6       | 400.0                | 384.6                 | 15.47            | 25.852           |                    |        |
| 4,663.8                                                          | 4,659.3             | 4,512.4             | 4,455.5             | 8.2             | 9.7         | -178.23               | -335.5                            | -2.2       | 441.4                | 425.8                 | 15.58            | 28.339           |                    |        |
| 4,700.0                                                          | 4,694.4             | 4,539.5             | 4,479.6             | 8.3             | 9.9         | -178.22               | -348.1                            | -2.5       | 465.4                | 449.7                 | 15.68            | 29.671           |                    |        |
| 4,800.0                                                          | 4,791.5             | 4,614.6             | 4,546.1             | 8.5             | 10.4        | -178.19               | -382.7                            | -3.5       | 531.5                | 515.5                 | 15.98            | 33.261           |                    |        |
| 4,900.0                                                          | 4,888.5             | 4,689.6             | 4,612.6             | 8.8             | 10.9        | -178.16               | -417.3                            | -4.4       | 597.6                | 581.3                 | 16.27            | 36.721           |                    |        |
| 5,000.0                                                          | 4,985.6             | 4,764.6             | 4,679.2             | 9.1             | 11.4        | -178.14               | -451.9                            | -5.4       | 663.7                | 647.2                 | 16.57            | 40.058           |                    |        |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

**Company:** EnCana Oil & Gas (USA) Inc  
**Project:** San Juan County, NM  
**Reference Site:** S14-T24N-R8W  
**Site Error:** 0.0ft  
**Reference Well:** Escrito L14-2408 04H  
**Well Error:** 0.0ft  
**Reference Wellbore:** HZ  
**Reference Design:** Plan #1

**Local Co-ordinate Reference:** Well Escrito L14-2408 04H  
**TVD Reference:** WELL @ 6912.0ft (Original Well Elev)  
**MD Reference:** WELL @ 6912.0ft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Output errors are at** 2.00 sigma  
**Database:** USA EDM 5000 Multi Users DB  
**Offset TVD Reference:** Offset Datum

| Offset Design S14-T24N-R8W - Escrito L14-2408 03H - HZ - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: |
|------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|
| Survey Program: O-Geolink MWD                                    |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: |
| Reference                                                        |                     | Offset              |                     | Semi Major Axis |             | Distance              |                                   |            |                      |                       |                        |                   |                    |
| Measured Depth (ft)                                              | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | Warning            |
| 5,100.0                                                          | 5,082.7             | 4,839.6             | 4,745.7             | 9.4             | 11.9        | -178.12               | -486.6                            | -6.3       | 729.9                | 713.0                 | 16.86                  | 43.279            |                    |
| 5,200.0                                                          | 5,179.7             | 4,914.6             | 4,812.2             | 9.7             | 12.4        | -178.11               | -521.2                            | -7.3       | 796.0                | 778.9                 | 17.16                  | 46.390            |                    |
| 5,215.1                                                          | 5,194.4             | 4,926.0             | 4,822.3             | 9.7             | 12.5        | -178.11               | -526.4                            | -7.4       | 806.0                | 788.8                 | 17.20                  | 46.852            |                    |
| 5,250.0                                                          | 5,228.2             | 4,952.1             | 4,845.5             | 9.8             | 12.7        | -161.48               | -538.5                            | -7.7       | 829.1                | 811.7                 | 17.33                  | 47.847            |                    |
| 5,300.0                                                          | 5,276.4             | 4,989.4             | 4,878.6             | 10.0            | 12.9        | -141.08               | -555.7                            | -8.2       | 862.0                | 844.4                 | 17.60                  | 48.987            |                    |
| 5,350.0                                                          | 5,324.0             | 5,026.1             | 4,911.2             | 10.2            | 13.2        | -125.58               | -572.7                            | -8.7       | 894.6                | 876.7                 | 17.95                  | 49.836            |                    |
| 5,400.0                                                          | 5,370.5             | 5,062.1             | 4,943.1             | 10.3            | 13.5        | -114.09               | -589.3                            | -9.1       | 926.8                | 908.4                 | 18.37                  | 50.466            |                    |
| 5,450.0                                                          | 5,415.6             | 5,097.1             | 4,974.1             | 10.5            | 13.7        | -105.41               | -605.4                            | -9.6       | 958.5                | 939.7                 | 18.81                  | 50.950            |                    |
| 5,500.0                                                          | 5,459.0             | 5,130.7             | 5,003.9             | 10.8            | 14.0        | -98.65                | -620.9                            | -10.0      | 989.6                | 970.3                 | 19.27                  | 51.342            |                    |
| 5,550.0                                                          | 5,500.3             | 5,162.7             | 5,032.3             | 11.0            | 14.2        | -93.22                | -635.7                            | -10.4      | 1,020.1              | 1,000.3               | 19.74                  | 51.679            |                    |
| 5,600.0                                                          | 5,539.3             | 5,193.0             | 5,059.2             | 11.3            | 14.4        | -88.73                | -649.7                            | -10.8      | 1,049.9              | 1,029.7               | 20.20                  | 51.982            |                    |
| 5,650.0                                                          | 5,575.6             | 5,221.1             | 5,084.2             | 11.6            | 14.6        | -84.92                | -662.7                            | -11.1      | 1,079.2              | 1,058.5               | 20.65                  | 52.260            |                    |
| 5,700.0                                                          | 5,608.9             | 5,247.1             | 5,107.2             | 12.0            | 14.8        | -81.60                | -674.6                            | -11.5      | 1,107.8              | 1,086.7               | 21.09                  | 52.516            |                    |
| 5,750.0                                                          | 5,639.1             | 5,270.5             | 5,128.0             | 12.5            | 15.0        | -78.65                | -685.5                            | -11.8      | 1,135.8              | 1,114.3               | 21.53                  | 52.753            |                    |
| 5,800.0                                                          | 5,665.8             | 5,291.4             | 5,146.4             | 13.0            | 15.1        | -75.97                | -695.1                            | -12.0      | 1,163.2              | 1,141.2               | 21.96                  | 52.973            |                    |
| 5,850.0                                                          | 5,688.9             | 5,309.4             | 5,162.4             | 13.6            | 15.3        | -73.50                | -703.4                            | -12.3      | 1,189.9              | 1,167.5               | 22.38                  | 53.178            |                    |
| 5,900.0                                                          | 5,708.2             | 5,324.5             | 5,175.8             | 14.3            | 15.4        | -71.17                | -710.4                            | -12.4      | 1,215.9              | 1,193.1               | 22.78                  | 53.370            |                    |
| 5,950.0                                                          | 5,723.6             | 5,336.5             | 5,186.5             | 15.1            | 15.5        | -68.97                | -715.9                            | -12.6      | 1,241.3              | 1,218.1               | 23.18                  | 53.551            |                    |
| 6,000.0                                                          | 5,734.8             | 5,345.4             | 5,194.4             | 15.9            | 15.5        | -66.87                | -720.0                            | -12.7      | 1,265.8              | 1,242.2               | 23.56                  | 53.716            |                    |
| 6,050.0                                                          | 5,741.9             | 5,351.1             | 5,199.5             | 16.8            | 15.6        | -64.87                | -722.7                            | -12.8      | 1,289.5              | 1,265.6               | 23.94                  | 53.855            |                    |
| 6,100.0                                                          | 5,744.8             | 5,353.6             | 5,201.6             | 17.8            | 15.6        | -62.96                | -723.8                            | -12.8      | 1,312.3              | 1,288.0               | 24.32                  | 53.955            |                    |
| 6,113.4                                                          | 5,744.9             | 6,268.6             | 5,712.8             | 18.0            | 23.9        | -88.61                | -982.2                            | -600.9     | 1,318.2              | 1,283.6               | 34.68                  | 38.016            |                    |
| 6,200.0                                                          | 5,744.3             | 6,355.2             | 5,712.2             | 19.7            | 25.1        | -88.61                | -980.7                            | -687.4     | 1,318.2              | 1,280.0               | 38.28                  | 34.436            |                    |
| 6,300.0                                                          | 5,743.6             | 6,455.2             | 5,711.5             | 21.8            | 26.6        | -88.61                | -979.0                            | -787.4     | 1,318.2              | 1,275.7               | 42.59                  | 30.953            |                    |
| 6,400.0                                                          | 5,742.9             | 6,555.2             | 5,710.8             | 24.0            | 28.3        | -88.61                | -977.3                            | -887.4     | 1,318.2              | 1,271.2               | 47.02                  | 28.034            |                    |
| 6,500.0                                                          | 5,742.2             | 6,655.2             | 5,710.1             | 26.2            | 30.1        | -88.61                | -975.7                            | -987.4     | 1,318.2              | 1,266.7               | 51.55                  | 25.572            |                    |
| 6,600.0                                                          | 5,741.5             | 6,755.2             | 5,709.4             | 28.4            | 32.1        | -88.61                | -974.0                            | -1,087.4   | 1,318.2              | 1,262.1               | 56.15                  | 23.477            |                    |
| 6,700.0                                                          | 5,740.8             | 6,855.2             | 5,708.7             | 30.7            | 34.1        | -88.61                | -972.3                            | -1,187.4   | 1,318.3              | 1,257.4               | 60.80                  | 21.680            |                    |
| 6,800.0                                                          | 5,740.1             | 6,955.2             | 5,708.0             | 33.0            | 36.1        | -88.61                | -970.6                            | -1,287.3   | 1,318.3              | 1,252.8               | 65.50                  | 20.126            |                    |
| 6,900.0                                                          | 5,739.4             | 7,055.2             | 5,707.4             | 35.4            | 38.2        | -88.61                | -968.9                            | -1,387.3   | 1,318.3              | 1,248.0               | 70.23                  | 18.770            |                    |
| 7,000.0                                                          | 5,738.7             | 7,155.2             | 5,706.7             | 37.7            | 40.4        | -88.61                | -967.2                            | -1,487.3   | 1,318.3              | 1,243.3               | 74.99                  | 17.579            |                    |
| 7,100.0                                                          | 5,738.0             | 7,255.2             | 5,706.0             | 40.1            | 42.6        | -88.61                | -965.6                            | -1,587.3   | 1,318.3              | 1,238.5               | 79.77                  | 16.525            |                    |
| 7,200.0                                                          | 5,737.3             | 7,355.2             | 5,705.3             | 42.5            | 44.9        | -88.61                | -963.9                            | -1,687.3   | 1,318.3              | 1,233.7               | 84.57                  | 15.587            |                    |
| 7,300.0                                                          | 5,736.6             | 7,455.2             | 5,704.6             | 44.9            | 47.1        | -88.61                | -962.2                            | -1,787.3   | 1,318.3              | 1,228.9               | 89.39                  | 14.747            |                    |
| 7,400.0                                                          | 5,735.9             | 7,555.2             | 5,703.9             | 47.3            | 49.4        | -88.61                | -960.5                            | -1,887.2   | 1,318.3              | 1,224.0               | 94.22                  | 13.991            |                    |
| 7,500.0                                                          | 5,735.2             | 7,655.2             | 5,703.2             | 49.7            | 51.7        | -88.61                | -958.8                            | -1,987.2   | 1,318.3              | 1,219.2               | 99.06                  | 13.307            |                    |
| 7,600.0                                                          | 5,734.5             | 7,755.2             | 5,702.5             | 52.1            | 54.1        | -88.61                | -957.2                            | -2,087.2   | 1,318.3              | 1,214.4               | 103.91                 | 12.686            |                    |
| 7,700.0                                                          | 5,733.8             | 7,855.2             | 5,701.8             | 54.5            | 56.4        | -88.61                | -955.5                            | -2,187.2   | 1,318.3              | 1,209.5               | 108.77                 | 12.119            |                    |
| 7,800.0                                                          | 5,733.1             | 7,955.2             | 5,701.1             | 56.9            | 58.7        | -88.61                | -953.8                            | -2,287.2   | 1,318.3              | 1,204.6               | 113.64                 | 11.600            |                    |
| 7,900.0                                                          | 5,732.4             | 8,055.2             | 5,700.4             | 59.4            | 61.1        | -88.61                | -952.1                            | -2,387.2   | 1,318.3              | 1,199.8               | 118.52                 | 11.123            |                    |
| 8,000.0                                                          | 5,731.8             | 8,155.2             | 5,699.7             | 61.8            | 63.5        | -88.61                | -950.4                            | -2,487.1   | 1,318.3              | 1,194.9               | 123.40                 | 10.683            |                    |
| 8,100.0                                                          | 5,731.1             | 8,255.2             | 5,699.0             | 64.2            | 65.8        | -88.61                | -948.7                            | -2,587.1   | 1,318.3              | 1,190.0               | 128.28                 | 10.276            |                    |
| 8,200.0                                                          | 5,730.4             | 8,355.2             | 5,698.3             | 66.7            | 68.2        | -88.61                | -947.1                            | -2,687.1   | 1,318.3              | 1,185.1               | 133.17                 | 9.899             |                    |
| 8,300.0                                                          | 5,729.7             | 8,455.2             | 5,697.6             | 69.1            | 70.6        | -88.61                | -945.4                            | -2,787.1   | 1,318.3              | 1,180.2               | 138.07                 | 9.548             |                    |
| 8,400.0                                                          | 5,729.0             | 8,555.2             | 5,696.9             | 71.6            | 73.0        | -88.61                | -943.7                            | -2,887.1   | 1,318.3              | 1,175.3               | 142.96                 | 9.221             |                    |
| 8,500.0                                                          | 5,728.3             | 8,655.2             | 5,696.2             | 74.0            | 75.4        | -88.61                | -942.0                            | -2,987.1   | 1,318.3              | 1,170.4               | 147.86                 | 8.916             |                    |
| 8,600.0                                                          | 5,727.6             | 8,755.2             | 5,695.5             | 76.4            | 77.8        | -88.61                | -940.3                            | -3,087.0   | 1,318.3              | 1,165.5               | 152.77                 | 8.629             |                    |
| 8,700.0                                                          | 5,726.9             | 8,855.2             | 5,694.8             | 78.9            | 80.2        | -88.61                | -938.6                            | -3,187.0   | 1,318.3              | 1,160.6               | 157.67                 | 8.361             |                    |
| 8,800.0                                                          | 5,726.2             | 8,955.2             | 5,694.1             | 81.3            | 82.7        | -88.61                | -937.0                            | -3,287.0   | 1,318.3              | 1,155.7               | 162.58                 | 8.108             |                    |
| 8,900.0                                                          | 5,725.5             | 9,055.2             | 5,693.4             | 83.8            | 85.1        | -88.61                | -935.3                            | -3,387.0   | 1,318.3              | 1,150.8               | 167.49                 | 7.871             |                    |
| 9,000.0                                                          | 5,724.8             | 9,155.2             | 5,692.7             | 86.3            | 87.5        | -88.61                | -933.6                            | -3,487.0   | 1,318.3              | 1,145.9               | 172.41                 | 7.646             |                    |
| 9,100.0                                                          | 5,724.1             | 9,255.2             | 5,692.0             | 88.7            | 89.9        | -88.61                | -931.9                            | -3,587.0   | 1,318.3              | 1,141.0               | 177.32                 | 7.434             |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

**Company:** EnCana Oil & Gas (USA) Inc  
**Project:** San Juan County, NM  
**Reference Site:** S14-T24N-R8W  
**Site Error:** 0.0ft  
**Reference Well:** Escrito L14-2408 04H  
**Well Error:** 0.0ft  
**Reference Wellbore:** HZ  
**Reference Design:** Plan #1

**Local Co-ordinate Reference:** Well Escrito L14-2408 04H  
**TVD Reference:** WELL @ 6912.0ft (Original Well Elev)  
**MD Reference:** WELL @ 6912.0ft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Output errors are at** 2.00 sigma  
**Database:** USA EDM 5000 Multi Users DB  
**Offset TVD Reference:** Offset Datum

| Offset Design S14-T24N-R8W - Escrito L14-2408 03H - HZ - Plan #1 |                           |                           |                           |                   |                |                             |                        |               |                            |                             |                              |                      | Offset Site Error: | 0.0 ft |
|------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|------------------------|---------------|----------------------------|-----------------------------|------------------------------|----------------------|--------------------|--------|
| Survey Program: 0-Geolink MWD                                    |                           |                           |                           |                   |                |                             |                        |               |                            |                             |                              |                      | Offset Well Error: | 0.0 ft |
| Reference                                                        |                           | Offset                    |                           | Semi Major Axis   |                | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |               | Distance                   |                             | Total<br>Uncertainty<br>Axis | Separation<br>Factor | Warning            |        |
| Measured<br>Depth<br>(ft)                                        | Vertical<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Reference<br>(ft) | Offset<br>(ft) |                             | +N/-S<br>(ft)          | +E/-W<br>(ft) | Between<br>Centres<br>(ft) | Between<br>Ellipses<br>(ft) |                              |                      |                    |        |
| 9,200.0                                                          | 5,723.4                   | 9,355.2                   | 5,691.3                   | 91.2              | 92.3           | -88.61                      | -930.2                 | -3,686.9      | 1,318.3                    | 1,136.1                     | 182.24                       | 7.234                |                    |        |
| 9,300.0                                                          | 5,722.7                   | 9,455.2                   | 5,690.6                   | 93.6              | 94.8           | -88.60                      | -928.6                 | -3,786.9      | 1,318.3                    | 1,131.2                     | 187.16                       | 7.044                |                    |        |
| 9,400.0                                                          | 5,722.0                   | 9,555.2                   | 5,689.9                   | 96.1              | 97.2           | -88.60                      | -926.9                 | -3,886.9      | 1,318.3                    | 1,126.2                     | 192.08                       | 6.863                |                    |        |
| 9,500.0                                                          | 5,721.3                   | 9,655.2                   | 5,689.2                   | 98.5              | 99.6           | -88.60                      | -925.2                 | -3,986.9      | 1,318.3                    | 1,121.3                     | 197.00                       | 6.692                |                    |        |
| 9,600.0                                                          | 5,720.6                   | 9,755.2                   | 5,688.5                   | 101.0             | 102.1          | -88.60                      | -923.5                 | -4,086.9      | 1,318.3                    | 1,116.4                     | 201.92                       | 6.529                |                    |        |
| 9,700.0                                                          | 5,719.9                   | 9,855.2                   | 5,687.8                   | 103.5             | 104.5          | -88.60                      | -921.8                 | -4,186.9      | 1,318.3                    | 1,111.5                     | 206.84                       | 6.373                |                    |        |
| 9,800.0                                                          | 5,719.2                   | 9,955.2                   | 5,687.1                   | 105.9             | 107.0          | -88.60                      | -920.1                 | -4,286.8      | 1,318.3                    | 1,106.5                     | 211.77                       | 6.225                |                    |        |
| 9,900.0                                                          | 5,718.5                   | 10,055.2                  | 5,686.4                   | 108.4             | 109.4          | -88.60                      | -918.5                 | -4,386.8      | 1,318.3                    | 1,101.6                     | 216.70                       | 6.084                |                    |        |
| 10,000.0                                                         | 5,717.8                   | 10,155.2                  | 5,685.7                   | 110.8             | 111.8          | -88.60                      | -916.8                 | -4,486.8      | 1,318.3                    | 1,096.7                     | 221.62                       | 5.949                |                    |        |
| 10,100.0                                                         | 5,717.1                   | 10,255.2                  | 5,685.0                   | 113.3             | 114.3          | -88.60                      | -915.1                 | -4,586.8      | 1,318.3                    | 1,091.8                     | 226.55                       | 5.819                |                    |        |
| 10,200.0                                                         | 5,716.4                   | 10,355.2                  | 5,684.3                   | 115.8             | 116.7          | -88.60                      | -913.4                 | -4,686.8      | 1,318.3                    | 1,086.9                     | 231.48                       | 5.695                |                    |        |
| 10,300.0                                                         | 5,715.7                   | 10,455.2                  | 5,683.6                   | 118.2             | 119.2          | -88.60                      | -911.7                 | -4,786.8      | 1,318.3                    | 1,081.9                     | 236.41                       | 5.577                |                    |        |
| 10,400.0                                                         | 5,715.0                   | 10,555.2                  | 5,682.9                   | 120.7             | 121.6          | -88.60                      | -910.1                 | -4,886.7      | 1,318.3                    | 1,077.0                     | 241.34                       | 5.463                |                    |        |
| 10,424.8                                                         | 5,714.9                   | 10,580.1                  | 5,682.7                   | 121.3             | 122.2          | -88.60                      | -909.6                 | -4,911.6      | 1,318.3                    | 1,075.8                     | 242.56                       | 5.435                |                    |        |
| 10,447.4                                                         | 5,714.7                   | 10,601.8                  | 5,682.6                   | 121.9             | 122.8          | -88.60                      | -909.3                 | -4,933.4      | 1,318.3                    | 1,074.7                     | 243.65                       | 5.411                |                    |        |



# Anticollision Report

|                    |                            |                              |                                      |
|--------------------|----------------------------|------------------------------|--------------------------------------|
| Company:           | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Escrito L14-2408 04H            |
| Project:           | San Juan County, NM        | TVD Reference:               | WELL @ 6912.0ft (Original Well Elev) |
| Reference Site:    | S14-T24N-R8W               | MD Reference:                | WELL @ 6912.0ft (Original Well Elev) |
| Site Error:        | 0.0ft                      | North Reference:             | True                                 |
| Reference Well:    | Escrito L14-2408 04H       | Survey Calculation Method:   | Minimum Curvature                    |
| Well Error:        | 0.0ft                      | Output errors are at         | 2.00 sigma                           |
| Reference Wellbore | HZ                         | Database:                    | USA EDM 5000 Multi Users DB          |
| Reference Design:  | Plan #1                    | Offset TVD Reference:        | Offset Datum                         |

| Offset Design S14-T24N-R8W - Escrito L14-2408 03H - Pilot Hole - Plan #1 |                           |                           |                           |                   |                |                             |                                         |               |                              |                      |         |                  | Offset Site Error: | 0.0 ft |
|--------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|-----------------------------------------|---------------|------------------------------|----------------------|---------|------------------|--------------------|--------|
| Survey Program: 0-Geolink MWD                                            |                           |                           |                           |                   |                |                             |                                         |               |                              |                      |         |                  | Offset Well Error: | 0.0 ft |
| Reference                                                                |                           | Offset                    |                           | Semi Major Axis   |                | Highside<br>Toolface<br>(°) | Distance                                |               | Total<br>Uncertainty<br>Axis | Separation<br>Factor | Warning |                  |                    |        |
| Measured<br>Depth<br>(ft)                                                | Vertical<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Reference<br>(ft) | Offset<br>(ft) |                             | Offset Wellbore Centre<br>+N/-S<br>(ft) | +E/-W<br>(ft) |                              |                      |         |                  |                    |        |
| 0.0                                                                      | 0.0                       | 0.0                       | 0.0                       | 0.0               | 0.0            | 168.15                      | -29.5                                   | 6.2           | 30.1                         |                      |         |                  |                    |        |
| 100.0                                                                    | 100.0                     | 100.0                     | 100.0                     | 0.1               | 0.1            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 29.8                 | 0.29    | 102.752          |                    |        |
| 200.0                                                                    | 200.0                     | 200.0                     | 200.0                     | 0.3               | 0.3            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 29.5                 | 0.64    | 46.908           |                    |        |
| 300.0                                                                    | 300.0                     | 300.0                     | 300.0                     | 0.5               | 0.5            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 29.1                 | 0.99    | 30.391           |                    |        |
| 400.0                                                                    | 400.0                     | 400.0                     | 400.0                     | 0.7               | 0.7            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 28.8                 | 1.34    | 22.477           |                    |        |
| 500.0                                                                    | 500.0                     | 500.0                     | 500.0                     | 0.8               | 0.8            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 28.4                 | 1.69    | 17.833           |                    |        |
| 600.0                                                                    | 600.0                     | 600.0                     | 600.0                     | 1.0               | 1.0            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 28.1                 | 2.04    | 14.779           |                    |        |
| 700.0                                                                    | 700.0                     | 700.0                     | 700.0                     | 1.2               | 1.2            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 27.7                 | 2.39    | 12.619           |                    |        |
| 800.0                                                                    | 800.0                     | 800.0                     | 800.0                     | 1.4               | 1.4            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 27.4                 | 2.74    | 11.009           |                    |        |
| 900.0                                                                    | 900.0                     | 900.0                     | 900.0                     | 1.5               | 1.5            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 27.0                 | 3.09    | 9.764            |                    |        |
| 1,000.0                                                                  | 1,000.0                   | 1,000.0                   | 1,000.0                   | 1.7               | 1.7            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 26.7                 | 3.43    | 8.772            |                    |        |
| 1,100.0                                                                  | 1,100.0                   | 1,100.0                   | 1,100.0                   | 1.9               | 1.9            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 26.3                 | 3.78    | 7.962            |                    |        |
| 1,200.0                                                                  | 1,200.0                   | 1,200.0                   | 1,200.0                   | 2.1               | 2.1            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 26.0                 | 4.13    | 7.290            |                    |        |
| 1,300.0                                                                  | 1,300.0                   | 1,300.0                   | 1,300.0                   | 2.2               | 2.2            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 25.6                 | 4.48    | 6.722            |                    |        |
| 1,400.0                                                                  | 1,400.0                   | 1,400.0                   | 1,400.0                   | 2.4               | 2.4            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 25.3                 | 4.83    | 6.236            |                    |        |
| 1,500.0                                                                  | 1,500.0                   | 1,500.0                   | 1,500.0                   | 2.6               | 2.6            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 24.9                 | 5.18    | 5.816            |                    |        |
| 1,600.0                                                                  | 1,600.0                   | 1,600.0                   | 1,600.0                   | 2.8               | 2.8            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 24.6                 | 5.53    | 5.449            |                    |        |
| 1,700.0                                                                  | 1,700.0                   | 1,700.0                   | 1,700.0                   | 2.9               | 2.9            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 24.3                 | 5.88    | 5.125            |                    |        |
| 1,800.0                                                                  | 1,800.0                   | 1,800.0                   | 1,800.0                   | 3.1               | 3.1            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 23.9                 | 6.23    | 4.838            |                    |        |
| 1,900.0                                                                  | 1,900.0                   | 1,900.0                   | 1,900.0                   | 3.3               | 3.3            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 23.6                 | 6.58    | 4.581            |                    |        |
| 2,000.0                                                                  | 2,000.0                   | 2,000.0                   | 2,000.0                   | 3.5               | 3.5            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 23.2                 | 6.93    | 4.350            |                    |        |
| 2,100.0                                                                  | 2,100.0                   | 2,100.0                   | 2,100.0                   | 3.6               | 3.6            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 22.9                 | 7.27    | 4.142            |                    |        |
| 2,200.0                                                                  | 2,200.0                   | 2,200.0                   | 2,200.0                   | 3.8               | 3.8            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 22.5                 | 7.62    | 3.952            |                    |        |
| 2,300.0                                                                  | 2,300.0                   | 2,300.0                   | 2,300.0                   | 4.0               | 4.0            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 22.2                 | 7.97    | 3.779            |                    |        |
| 2,400.0                                                                  | 2,400.0                   | 2,400.0                   | 2,400.0                   | 4.2               | 4.2            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 21.8                 | 8.32    | 3.620            |                    |        |
| 2,500.0                                                                  | 2,500.0                   | 2,500.0                   | 2,500.0                   | 4.3               | 4.3            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 21.5                 | 8.67    | 3.475            |                    |        |
| 2,600.0                                                                  | 2,600.0                   | 2,600.0                   | 2,600.0                   | 4.5               | 4.5            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 21.1                 | 9.02    | 3.340            |                    |        |
| 2,700.0                                                                  | 2,700.0                   | 2,700.0                   | 2,700.0                   | 4.7               | 4.7            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 20.8                 | 9.37    | 3.216            |                    |        |
| 2,800.0                                                                  | 2,800.0                   | 2,800.0                   | 2,800.0                   | 4.9               | 4.9            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 20.4                 | 9.72    | 3.100            |                    |        |
| 2,900.0                                                                  | 2,900.0                   | 2,900.0                   | 2,900.0                   | 5.0               | 5.0            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 20.1                 | 10.07   | 2.993            |                    |        |
| 3,000.0                                                                  | 3,000.0                   | 3,000.0                   | 3,000.0                   | 5.2               | 5.2            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 19.7                 | 10.42   | 2.892            |                    |        |
| 3,100.0                                                                  | 3,100.0                   | 3,100.0                   | 3,100.0                   | 5.4               | 5.4            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 19.4                 | 10.77   | 2.799            |                    |        |
| 3,200.0                                                                  | 3,200.0                   | 3,200.0                   | 3,200.0                   | 5.6               | 5.6            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 19.0                 | 11.11   | 2.711            |                    |        |
| 3,300.0                                                                  | 3,300.0                   | 3,300.0                   | 3,300.0                   | 5.7               | 5.7            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 18.7                 | 11.46   | 2.628            |                    |        |
| 3,400.0                                                                  | 3,400.0                   | 3,400.0                   | 3,400.0                   | 5.9               | 5.9            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 18.3                 | 11.81   | 2.551            |                    |        |
| 3,500.0                                                                  | 3,500.0                   | 3,500.0                   | 3,500.0                   | 6.1               | 6.1            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 18.0                 | 12.16   | 2.477            |                    |        |
| 3,600.0                                                                  | 3,600.0                   | 3,600.0                   | 3,600.0                   | 6.3               | 6.3            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 17.6                 | 12.51   | 2.408            |                    |        |
| 3,700.0                                                                  | 3,700.0                   | 3,700.0                   | 3,700.0                   | 6.4               | 6.4            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 17.3                 | 12.86   | 2.343            |                    |        |
| 3,800.0                                                                  | 3,800.0                   | 3,800.0                   | 3,800.0                   | 6.6               | 6.6            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 16.9                 | 13.21   | 2.281            |                    |        |
| 3,900.0                                                                  | 3,900.0                   | 3,900.0                   | 3,900.0                   | 6.8               | 6.8            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 16.6                 | 13.56   | 2.222            |                    |        |
| 4,000.0                                                                  | 4,000.0                   | 4,000.0                   | 4,000.0                   | 7.0               | 7.0            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 16.2                 | 13.91   | 2.166            |                    |        |
| 4,100.0                                                                  | 4,100.0                   | 4,100.0                   | 4,100.0                   | 7.1               | 7.1            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 15.9                 | 14.26   | 2.113            |                    |        |
| 4,200.0                                                                  | 4,200.0                   | 4,200.0                   | 4,200.0                   | 7.3               | 7.3            | 168.15                      | -29.5                                   | 6.2           | 30.1                         | 15.5                 | 14.60   | 2.063 CC, ES, SF |                    |        |
| 4,300.0                                                                  | 4,300.0                   | 4,300.0                   | 4,300.0                   | 7.5               | 7.5            | 170.34                      | -29.5                                   | 6.2           | 32.7                         | 17.8                 | 14.94   | 2.189            |                    |        |
| 4,400.0                                                                  | 4,399.6                   | 4,399.6                   | 4,399.6                   | 7.7               | 7.7            | 172.17                      | -29.5                                   | 6.2           | 40.5                         | 25.2                 | 15.25   | 2.653            |                    |        |
| 4,500.0                                                                  | 4,498.8                   | 4,498.8                   | 4,498.8                   | 7.8               | 7.8            | 174.04                      | -29.5                                   | 6.2           | 53.4                         | 37.9                 | 15.53   | 3.441            |                    |        |
| 4,600.0                                                                  | 4,597.1                   | 4,597.1                   | 4,597.1                   | 8.1               | 8.0            | 175.51                      | -29.5                                   | 6.2           | 71.6                         | 55.8                 | 15.77   | 4.538            |                    |        |
| 4,663.8                                                                  | 4,659.3                   | 4,659.3                   | 4,659.3                   | 8.2               | 8.1            | 176.23                      | -29.5                                   | 6.2           | 85.8                         | 69.9                 | 15.91   | 5.394            |                    |        |
| 4,700.0                                                                  | 4,694.4                   | 4,694.4                   | 4,694.4                   | 8.3               | 8.2            | 176.58                      | -29.5                                   | 6.2           | 94.5                         | 78.5                 | 16.04   | 5.894            |                    |        |
| 4,800.0                                                                  | 4,791.5                   | 4,791.5                   | 4,791.5                   | 8.5               | 8.3            | 177.27                      | -29.5                                   | 6.2           | 118.5                        | 102.2                | 16.38   | 7.236            |                    |        |
| 4,900.0                                                                  | 4,888.5                   | 4,888.5                   | 4,888.5                   | 8.8               | 8.5            | 177.73                      | -29.5                                   | 6.2           | 142.6                        | 125.8                | 16.73   | 8.524            |                    |        |
| 5,000.0                                                                  | 4,985.6                   | 4,985.6                   | 4,985.6                   | 9.1               | 8.7            | 178.06                      | -29.5                                   | 6.2           | 166.6                        | 149.5                | 17.07   | 9.761            |                    |        |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company: EnCana Oil & Gas (USA) Inc  
 Project: San Juan County, NM  
 Reference Site: S14-T24N-R8W  
 Site Error: 0.0ft  
 Reference Well: Escrito L14-2408 04H  
 Well Error: 0.0ft  
 Reference Wellbore: HZ  
 Reference Design: Plan #1

Local Co-ordinate Reference:  
 TVD Reference:  
 MD Reference:  
 North Reference:  
 Survey Calculation Method:  
 Output errors are at  
 Database:  
 Offset TVD Reference:

Well Escrito L14-2408 04H  
 WELL @ 6912.0ft (Original Well Elev)  
 WELL @ 6912.0ft (Original Well Elev)  
 True  
 Minimum Curvature  
 2.00 sigma  
 USA EDM 5000 Multi Users DB  
 Offset Datum

| Offset Design S14-T24N-R8W - Escrito L14-2408 03H - Pilot Hole - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: 0.0 ft |
|--------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|---------------------------|
| Survey Program: O-Geolink MWD                                            |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: 0.0 ft |
| Reference                                                                |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                        |                   | Warning                   |
| Measured Depth (ft)                                                      | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor |                           |
| 5,100.0                                                                  | 5,082.7             | 5,082.7             | 5,082.7             | 9.4             | 8.8         | 178.30                | -29.5                             | 6.2        | 190.6                | 173.2                 | 17.41                  | 10.948            |                           |
| 5,200.0                                                                  | 5,179.7             | 5,179.7             | 5,179.7             | 9.7             | 9.0         | 178.49                | -29.5                             | 6.2        | 214.7                | 196.9                 | 17.76                  | 12.090            |                           |
| 5,215.1                                                                  | 5,194.4             | 5,194.4             | 5,194.4             | 9.7             | 9.0         | 178.52                | -29.5                             | 6.2        | 218.3                | 200.5                 | 17.81                  | 12.260            |                           |
| 5,250.0                                                                  | 5,228.2             | 5,228.2             | 5,228.2             | 9.8             | 9.1         | -167.19               | -29.5                             | 6.2        | 226.8                | 208.8                 | 17.92                  | 12.656            |                           |
| 5,300.0                                                                  | 5,276.4             | 5,276.4             | 5,276.4             | 10.0            | 9.2         | -150.62               | -29.5                             | 6.2        | 239.1                | 221.0                 | 18.08                  | 13.228            |                           |
| 5,350.0                                                                  | 5,324.0             | 5,324.0             | 5,324.0             | 10.2            | 9.3         | -139.37               | -29.5                             | 6.2        | 251.9                | 233.7                 | 18.23                  | 13.820            |                           |
| 5,400.0                                                                  | 5,370.5             | 5,370.5             | 5,370.5             | 10.3            | 9.3         | -132.35               | -29.5                             | 6.2        | 265.4                | 247.1                 | 18.37                  | 14.453            |                           |
| 5,450.0                                                                  | 5,415.6             | 5,415.6             | 5,415.6             | 10.5            | 9.4         | -128.19               | -29.5                             | 6.2        | 280.1                | 261.6                 | 18.49                  | 15.153            |                           |
| 5,500.0                                                                  | 5,459.0             | 5,459.0             | 5,459.0             | 10.8            | 9.5         | -125.86               | -29.5                             | 6.2        | 296.3                | 277.7                 | 18.59                  | 15.941            |                           |
| 5,550.0                                                                  | 5,500.3             | 5,500.3             | 5,500.3             | 11.0            | 9.6         | -124.60               | -29.5                             | 6.2        | 314.6                | 295.9                 | 18.69                  | 16.833            |                           |
| 5,600.0                                                                  | 5,539.3             | 5,539.3             | 5,539.3             | 11.3            | 9.6         | -123.89               | -29.5                             | 6.2        | 335.1                | 316.4                 | 18.79                  | 17.832            |                           |
| 5,650.0                                                                  | 5,575.6             | 5,575.6             | 5,575.6             | 11.6            | 9.7         | -123.36               | -29.5                             | 6.2        | 358.4                | 339.4                 | 18.94                  | 18.921            |                           |
| 5,700.0                                                                  | 5,608.9             | 5,608.9             | 5,608.9             | 12.0            | 9.8         | -122.72               | -29.5                             | 6.2        | 384.4                | 365.2                 | 19.16                  | 20.059            |                           |
| 5,750.0                                                                  | 5,639.1             | 5,639.1             | 5,639.1             | 12.5            | 9.8         | -121.74               | -29.5                             | 6.2        | 413.2                | 393.7                 | 19.51                  | 21.183            |                           |
| 5,800.0                                                                  | 5,665.8             | 5,665.8             | 5,665.8             | 13.0            | 9.9         | -120.23               | -29.5                             | 6.2        | 444.8                | 424.8                 | 20.02                  | 22.213            |                           |
| 5,850.0                                                                  | 5,688.9             | 5,688.9             | 5,688.9             | 13.6            | 9.9         | -118.00               | -29.5                             | 6.2        | 479.0                | 458.2                 | 20.76                  | 23.070            |                           |
| 5,900.0                                                                  | 5,708.2             | 5,708.2             | 5,708.2             | 14.3            | 9.9         | -114.90               | -29.5                             | 6.2        | 515.5                | 493.7                 | 21.75                  | 23.703            |                           |
| 5,950.0                                                                  | 5,723.6             | 5,723.6             | 5,723.6             | 15.1            | 10.0        | -110.76               | -29.5                             | 6.2        | 554.0                | 531.0                 | 22.97                  | 24.119            |                           |
| 6,000.0                                                                  | 5,734.8             | 5,734.8             | 5,734.8             | 15.9            | 10.0        | -105.47               | -29.5                             | 6.2        | 594.2                | 569.9                 | 24.36                  | 24.395            |                           |
| 6,050.0                                                                  | 5,741.9             | 5,741.9             | 5,741.9             | 16.8            | 10.0        | -99.00                | -29.5                             | 6.2        | 635.7                | 610.0                 | 25.76                  | 24.680            |                           |
| 6,100.0                                                                  | 5,744.8             | 5,744.8             | 5,744.8             | 17.8            | 10.0        | -91.49                | -29.5                             | 6.2        | 678.1                | 651.2                 | 26.94                  | 25.174            |                           |
| 6,113.4                                                                  | 5,744.9             | 5,744.9             | 5,744.9             | 18.0            | 10.0        | -89.34                | -29.5                             | 6.2        | 689.6                | 662.4                 | 27.19                  | 25.367            |                           |
| 6,200.0                                                                  | 5,744.3             | 5,744.3             | 5,744.3             | 19.7            | 10.0        | -89.24                | -29.5                             | 6.2        | 765.2                | 736.2                 | 28.98                  | 26.400            |                           |
| 6,300.0                                                                  | 5,743.6             | 5,743.6             | 5,743.6             | 21.8            | 10.0        | -89.13                | -29.5                             | 6.2        | 855.0                | 823.9                 | 31.14                  | 27.457            |                           |
| 6,400.0                                                                  | 5,742.9             | 5,742.9             | 5,742.9             | 24.0            | 10.0        | -89.01                | -29.5                             | 6.2        | 946.9                | 913.5                 | 33.36                  | 28.385            |                           |
| 6,500.0                                                                  | 5,742.2             | 5,742.2             | 5,742.2             | 26.2            | 10.0        | -88.90                | -29.5                             | 6.2        | 1,040.2              | 1,004.6               | 35.62                  | 29.202            |                           |
| 6,600.0                                                                  | 5,741.5             | 5,741.5             | 5,741.5             | 28.4            | 10.0        | -88.79                | -29.5                             | 6.2        | 1,134.7              | 1,096.8               | 37.92                  | 29.924            |                           |
| 6,700.0                                                                  | 5,740.8             | 5,740.8             | 5,740.8             | 30.7            | 10.0        | -88.68                | -29.5                             | 6.2        | 1,230.1              | 1,189.9               | 40.25                  | 30.564            |                           |
| 6,800.0                                                                  | 5,740.1             | 5,740.1             | 5,740.1             | 33.0            | 10.0        | -88.56                | -29.5                             | 6.2        | 1,326.2              | 1,283.6               | 42.59                  | 31.135            |                           |
| 6,900.0                                                                  | 5,739.4             | 5,739.4             | 5,739.4             | 35.4            | 10.0        | -88.45                | -29.5                             | 6.2        | 1,422.8              | 1,377.8               | 44.96                  | 31.646            |                           |
| 7,000.0                                                                  | 5,738.7             | 5,738.7             | 5,738.7             | 37.7            | 10.0        | -88.34                | -29.5                             | 6.2        | 1,519.8              | 1,472.5               | 47.34                  | 32.107            |                           |

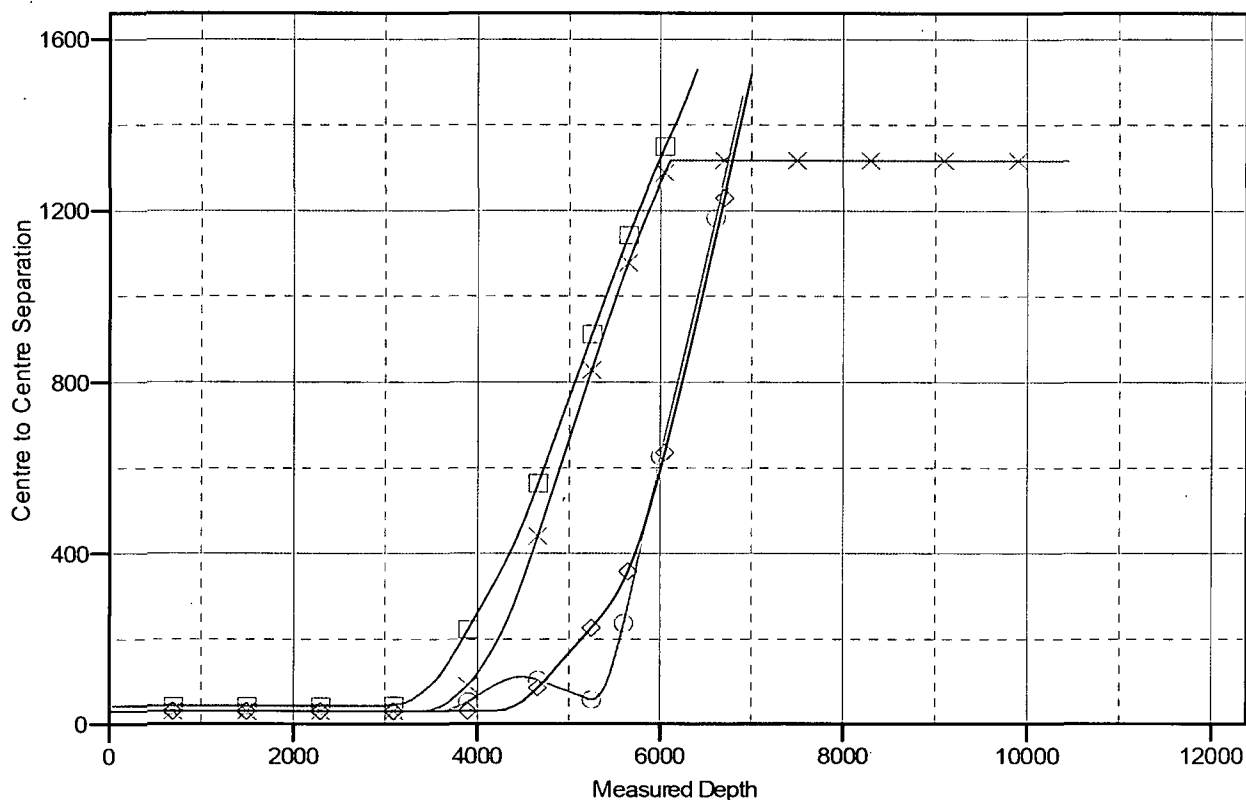
**Company:** EnCana Oil & Gas (USA) Inc  
**Project:** San Juan County, NM  
**Reference Site:** S14-T24N-R8W  
**Site Error:** 0.0ft  
**Reference Well:** Escrito L14-2408 04H  
**Well Error:** 0.0ft  
**Reference Wellbore:** HZ  
**Reference Design:** Plan #1

**Local Co-ordinate Reference:** Well Escrito L14-2408 04H  
**TVD Reference:** WELL @ 6912.0ft (Original Well Elev)  
**MD Reference:** WELL @ 6912.0ft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Output errors are at:** 2.00 sigma  
**Database:** USA EDM 5000 Multi Users DB  
**Offset TVD Reference:** Offset Datum

Reference Depths are relative to WELL @ 6912.0ft (Original Well Elev)  
 Offset Depths are relative to Offset Datum  
 Central Meridian is -107.833333 °

Coordinates are relative to: Escrito L14-2408 04H  
 Coordinate System is US State Plane 1983, New Mexico Western Zone  
 Grid Convergence at Surface is: 0.10°

### Ladder Plot



### LEGEND

- Escrito L14-2408 02H, HZ, Plan #1 V0
- Escrito L14-2408 01H, HZ, Plan #1 V0
- Escrito L14-2408 03H, HZ, Plan #1 V0
- Escrito L14-2408 03H, Pilot Hole, Plan #1 V0