

State of New Mexico  
Energy, Minerals and Natural Resources Department

Susana Martinez  
Governor

David Martin  
Cabinet Secretary-Designate

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 3160-3 APD form.

Operator Signature Date: 6/19/13

Well information;

Operator Encana, Well Name and Number Escrito L27-2409 1H

API# 30-045-35478, Section 27, Township 24 N/S, Range 9 E/W

Conditions of Approval:  
(See the below checked and handwritten conditions)

- ☒ Notify Aztec OCD 24hrs prior to casing & cement.
- ☒ Hold C-104 for directional survey & "As Drilled" Plat
- ☒ Hold C-104 for NSL, NSP, DHC
- ☐ Spacing rule violation. Operator must follow up with change of status notification on other well to be shut in or abandoned
- ☐ Regarding the use of a pit, closed loop system or below grade tank, the operator must comply with the following as applicable:
  - A pit requires a complete C-144 be submitted and approved prior to the construction or use of the pit, pursuant to 19.15.17.8.A
  - A closed loop system requires notification prior to use, pursuant to 19.15.17.9.A
  - A below grade tank requires a registration be filed prior to the construction or use of the below grade tank, pursuant to 19.15.17.8.C
- ☐ Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
- ☐ Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils

Charlie Herrin  
NMOCD Approved by Signature

9-23-2013 CA  
Date

CONFIDENTIAL  
RECEIVED

RCVD AUG 27 '13  
OIL CONS. DIV.  
DIST. 3  
FORM APPROVED  
OMB No. 1004-0137  
Expires July 31, 2010

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUN 25 2013

APPLICATION FOR PERMIT TO DRILL OR REENTER

Farmington Field Office

|                                                                                                                                                                                                                                |  |                                                                             |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------|--|
| 1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER                                                                                                                                   |  | 5. Lease Serial No.<br>NMNM 12374                                           |  |
| 1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone         |  | 6. If Indian, Allottee or Tribe Name<br>N/A                                 |  |
| 2. Name of Operator Encana Oil & Gas (USA) Inc.                                                                                                                                                                                |  | 7. If Unit or CA Agreement, Name and No.<br>N/A                             |  |
| 3a. Address 370 17th Street, Suite 1700<br>Denver, CO 80202                                                                                                                                                                    |  | 8. Lease Name and Well No.<br>Escrito L27-2409 01H                          |  |
| 3b. Phone No. (include area code)<br>720-876-3989                                                                                                                                                                              |  | 9. API Well No.<br>3004535478                                               |  |
| 4. Location of Well (Report location clearly and in accordance with any State requirements.)<br>At surface 2399' FSL and 333' FWL Section 27, T24N, R9W<br>At proposed prod. zone 2400' FNL and 330' FWL Section 28, T24N, R9W |  | 10. Field and Pool, or Exploratory<br>Bisti Lower-Gallup Basin Mancos Gas   |  |
| 14. Distance in miles and direction from nearest town or post office*<br>+/- 35.1 miles southeast of the intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM                                                              |  | 11. Sec., T. R. M. or Blk. and Survey or Area<br>Section 27, T24N, R9W NMPM |  |
| 15. Distance from proposed* location to nearest property or lease line, ft.<br>(Also to nearest drig. unit line, if any)<br>BHL is 330' from west lease line                                                                   |  | 12. County or Parish<br>San Juan                                            |  |
| 16. No. of acres in lease<br>NMNM 12374 - 2240 acres                                                                                                                                                                           |  | 13. State<br>NM                                                             |  |
| 17. Spacing Unit dedicated to this well<br>160.0 acres - N2S2 Section 28<br>S2N2                                                                                                                                               |  |                                                                             |  |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.<br>November 24 2 is +/-886' south of wellbore                                                                       |  | 19. Proposed Depth<br>5276' TVD/10489' MD                                   |  |
| 20. BLM/BIA Bond No. on file<br>COB-000235                                                                                                                                                                                     |  |                                                                             |  |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.)<br>6924' GL, 6937' KB                                                                                                                                                      |  | 22. Approximate date work will start*<br>01/15/2014                         |  |
| 23. Estimated duration<br>25 days                                                                                                                                                                                              |  |                                                                             |  |

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. I, must be attached to this form:

- |                                                                                                                                                |                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 1. Well plat certified by a registered surveyor.                                                                                               | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan.                                                                                                                            | 5. Operator certification                                                                       |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM.             |

|                             |  |                                           |  |                  |  |
|-----------------------------|--|-------------------------------------------|--|------------------|--|
| 25. Signature<br>           |  | Name (Printed Typed)<br>Brenda R. Linster |  | Date<br>06.19.13 |  |
| Title<br>Regulatory Lead    |  |                                           |  |                  |  |
| Approved by (Signature)<br> |  | Name (Printed Typed)<br>AEM               |  | Date<br>8/21/13  |  |
| Title<br>AEM                |  | Office<br>FEO                             |  |                  |  |

Application approval 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.  
Conditions of approval, if any, are attached.

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.

(Continued on page 2)

\*(Instructions on page 2)

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS  
AUTHORIZED ARE SUBJECT TO  
COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

NMOC  
AV

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

District II  
811 S. First Street, Artesia, NM 88210  
Phone: (575) 748-1283 · Fax: (575) 748-9720

District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV  
1220 S. St. Francis Drive, Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

## OTL CONSERVATION DIVISION

1220 South St. Francis Drive  
Santa Fe, NM 87505

AMENDED REPORT  
RECEIVED

JUN 25 2013

WELL LOCATION AND ACREAGE DEDICATION PLAT, Farmington Field Office

Farmington Field Office  
Bureau of Land Management

|                             |                                               |                                                   |
|-----------------------------|-----------------------------------------------|---------------------------------------------------|
| *API Number<br>30-045-35478 | *Pool Code<br>5890 / 97232                    | *Pool Name<br>BISTI LOWER - GALLUP / BASIN MANCOS |
| *Property Code<br>40144     | *Property Name<br>ESCRITO L27-2409            | *Well Number<br>01H                               |
| *GRID No.<br>282327         | *Operator Name<br>ENCANA OIL & GAS (USA) INC. | *Elevation<br>6924'                               |

<sup>10</sup> Surface Location

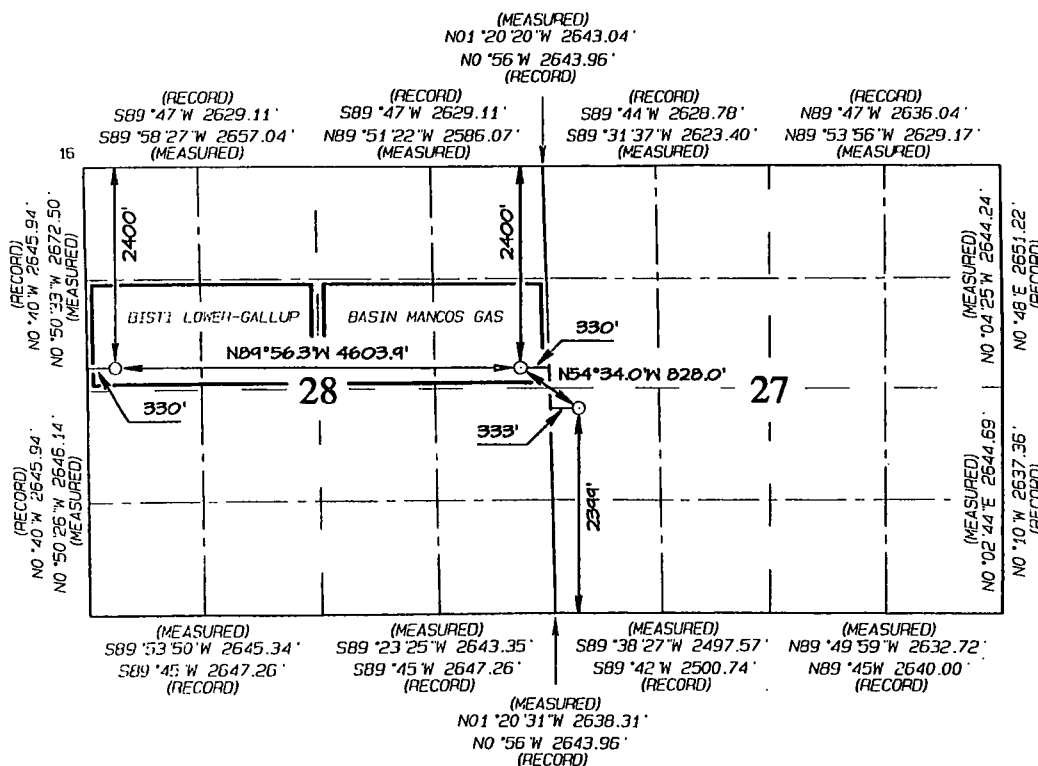
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| L             | 27      | 24N      | 9W    |         | 2399          | SOUTH            | 333           | WEST           | SAN JUAN |

<sup>11</sup> Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| E             | 28      | 24N      | 9W    |         | 2400          | NORTH            | 330           | WEST           | SAN JUAN |

|                    |                                   |                    |                       |              |
|--------------------|-----------------------------------|--------------------|-----------------------|--------------|
| 12 Dedicated Acres | 160.0 Acres<br>S/2 N/2 Section 28 | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
|--------------------|-----------------------------------|--------------------|-----------------------|--------------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



END-OF-LATERAL  
2400' FNL 330' FWL  
SECTION 28, T24N, R9W  
LAT: 36.28575° N  
LONG: 107.80171° W  
DATUM: NAD1927

LAT: 36.28577° N  
LONG: 107.80232° W  
DATUM: NAD1983

POINT-OF-ENTRY  
2400' FNL 330' FEL  
SECTION 28, T24N, R9W  
LAT: 36.28573 °N  
LONG: 107.78608 °W  
DATUM: NAD1927

LAT: 36.28575 °N  
LONG: 107.78670 °W  
DATUM: NAD1983

SURFACE LOCATION  
2399' FSL 333' FWL  
SECTION 27, T24N, R9W  
LAT: 36.28441°N  
LONG: 107.78380°W  
DATUM: NAD1927

LAT: 36.28443°N  
LONG: 107.78441°W  
DATUM: NAD1983

**17 OPERATOR CERTIFICATION**

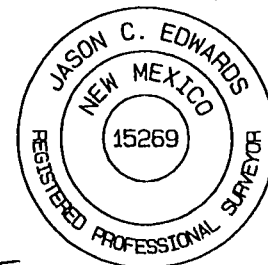
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral interest. I am not aware of any pooling agreement or a contract for pooling order for the acre entered by the Oklahoma

*Brenda R. Linster* 06  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
Brenda R. Linster  
Printed Name \_\_\_\_\_  
brenda.linster@encana.com  
E-mail Address \_\_\_\_\_

## 18 SURVEYOR CERTIFICATION

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

Date Revised: JUNE 5, 2013  
Date of Survey: JULY 30, 2012  
Signature and Seal of Professional Surveyor



JASON C. EDWARDS  
Certificate Number 15269

**Directions from the Intersection of US Hwy 550 & US Hwy 64**  
**in Bloomfield, NM to Encana Oil & Gas (USA) Inc. Escrito L27-2409 01H**  
**2399' FSL & 333' FWL, Section 27, T24N, R9W, N.M.P.M., San Juan County, NM**

**Latitude: 36.28443°N Longitude: 107.78441°W Datum: NAD1983**

From the intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM, travel Southerly on US Hwy 550 for 27.9 miles to State Hwy #57 @ Mile Marker 123.4;

Go right (South-westerly) on State Hwy #57 for 1.4 miles to fork in road;

Go left (Southerly) exiting State Hwy #57 for 1.4 miles to fork in road;

Go right which is straight (South-easterly) for 2.7 miles to 4-way intersection;

Go left (Easterly) for 0.4 miles to new access on left-hand side of existing roadway;

Go left (South-easterly) along proposed Escrito D34-2409 01H access for 5055' to fork in proposed roadway;

Go left (Northerly) along proposed Escrito L27-2409 01H access for 2105' to staked Encana Escrito L27-2409 01H location.



Escrito L27-2409 01H  
SHL: NWSW Section 27, T24N, R9W  
2399 FSL and 333 FWL  
BHL: SWNW Section 28, T24N, R9W  
2400 FNL and 330 FWL  
San Juan County, New Mexico  
Lease Number: NMNM 12374

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

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

The estimated tops of important geologic markers are as follows:

| <u>Formation</u> | <u>Depth (TVD)</u> |
|------------------|--------------------|
| Ojo Alamo Ss.    | 879'               |
| Kirtland         | 1067'              |
| Fruitland Coal   | 1277'              |
| Pictured Cliffs  | 1637'              |
| Lewis            | 1767'              |
| Cliffhouse       | 2427'              |
| Menefee          | 3187'              |
| Point Lookout    | 4087'              |
| Mancos Shale     | 4257'              |
| Mancos Silt      | 4822'              |
| Gallup           | 5067'              |

The referenced surface elevation is 6924', KB 6937'

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

| <u>Substance</u> | <u>Formation</u> | <u>Depth (TVD)</u> |
|------------------|------------------|--------------------|
| Gas              | Fruitland Coal   | 1277'              |
| Gas              | Pictured Cliffs  | 1637'              |
| Gas              | Cliffhouse       | 2427'              |
| Gas              | Point Lookout    | 4087'              |
| Oil/Gas          | Mancos           | 4257'              |

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

**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.

Escrito L27-2409 01H

SHL: NWSW Section 27, T24N, R9W  
2399 FSL and 333 FWL

BHL: SWNW Section 28, T24N, R9W  
2400 FNL and 330 FWL

San Juan County, New Mexico

Lease Number: NMNM 12374

- 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          | Hole Size | Csg Size | Weight | Grade         |
|------------------|----------------|-----------|----------|--------|---------------|
| Conductor        | 0-60'          | 30"       | 20"      | 94#    | H40, STC New  |
| Surface          | 0'-500'        | 12 1/4"   | 9 5/8"   | 36#    | J55, STC New  |
| Intermediate     | 0'-5790'MD     | 8 3/4"    | 7"       | 26#    | J55, LTC New  |
| Production Liner | 5590'-10489'MD | 6 1/8"    | 4 1/2"   | 11.6#  | B80*, LTC New |

| Casing String |                |       |            | Casing Strength Properties |             |                  | Minimum Design Factors |       |         |
|---------------|----------------|-------|------------|----------------------------|-------------|------------------|------------------------|-------|---------|
| Size          | Weight (lb/ft) | Grade | Connection | Collapse (psi)             | Burst (psi) | Tensile (1000lb) | 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 1/2"        | 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.

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:

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a pre-flush fluid, inner string cement method, etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.

Escrito L27-2409 01H

SHL: NWSW Section 27, T24N, R9W  
2399 FSL and 333 FWL

BHL: SWNW Section 28, T24N, R9W  
2400 FNL and 330 FWL

San Juan County, New Mexico

Lease Number: NMNM 12374

| Casing            | Depth        | Cement Volume (sacks)                                                                        | Cement Type&Yield                                                                                                                                                                      | Designed TOC | Centralizers                                                           |
|-------------------|--------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------|
| Conductor         | 60'          | 100sk                                                                                        | Type I Neat 14.8 ppg                                                                                                                                                                   | Surface      | None                                                                   |
| Surface           | 500'         | 178sk                                                                                        | Type III Cement + 1% CaCl + 0.25lb/sk Cello Flake + 0.2% FL, 14.6ppg, 1.38cuf/sk                                                                                                       | Surface      | 1 per joint on bottom 3 joints                                         |
| Intermediate      | 5790'MD      | 30% open hole excess<br>Stage 1 Lead: 263sks<br>Stage 1 Tail: 181sks<br>Stage 2 Lead: 148sks | Lead (Stages 1 and 2): PremLite + 3% CaCl + 0.25lb/sk CelloFlake + 5lb/sk LCM, 12.1ppg 2.13cuf/sk<br>Tail (Stage 1): Type III Cmt + 1% CaCl + 0.25lb/sk Cello Flake 14.5ppg 1.38cuf/sk | Surface      | 1 per joint for bottom 3 joints, 1 every 3 joints for remaining joints |
| Production Liner* | 5590'-10489' | None – External casing packers                                                               | N/A                                                                                                                                                                                    | N/A          | N/A                                                                    |

\*Production liner clarification: Utilizing external swell casing packer system for zonal isolation will not use cement in the production liner.

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 a 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 4672'. Directional plans are attached.

| Description           | Proposed Depth (TVD/MD) | Formation |
|-----------------------|-------------------------|-----------|
| Horizontal Lateral TD | 5276'/10489'            | Gallup    |

**Escrito L27-2409 01H**

**SHL: NWSW Section 27, T24N, R9W  
2399 FSL and 333 FWL**

**BHL: SWNW Section 28, T24N, R9W  
2400 FNL and 330 FWL**

**San Juan County, New Mexico**

**Lease Number: NMNM 12374**

## **6. DRILLING FLUIDS PROGRAM**

a) Surface through Intermediate Casing Point:

| Hole Size (in) | Depth (ft)                   | Mud Type            | Density (lb/gal) | Viscosity (sec/qt) | Fluid Loss (cc) |
|----------------|------------------------------|---------------------|------------------|--------------------|-----------------|
| 30"            | 0-60' TVD                    | Fresh Water         | 8.3-9.2          | 38-100             | 4-28            |
| 12 1/4"        | 0-500' TVD                   | Fresh Water         | 8.4-8.6          | 60-70              | NC              |
| 8 3/4"         | 500'TVD-<br>5321'TVD/5790'MD | Fresh Water<br>LSND | 8.5-8.8          | 40-50              | 8-10            |

b) Intermediate Casing Point to TD:

| Hole Size (in) | MD (ft)      | Mud Type                   | Density (lb/gal) | Viscosity (sec/qt) | Fluid Loss (cc) |
|----------------|--------------|----------------------------|------------------|--------------------|-----------------|
| 6 1/8"         | 5790'-10489' | Synthetic Oil<br>Based Mud | 8.6-9.0          | 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, including fresh water and oil-based operations. 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 and LOGGING**

- a) Drill Stem Testing – None anticipated
- b) Coring – None anticipated.
- c) Mud 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 +/- 2492 psi based on a 9.0 ppg at 5324' TVD of the landing point of the horizontal lateral. 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.

**Escrito L27-2409 01H**

**SHL: NWSW Section 27, T24N, R9W  
2399 FSL and 333 FWL**

**BHL: SWNW Section 28, T24N, R9W  
2400 FNL and 330 FWL**

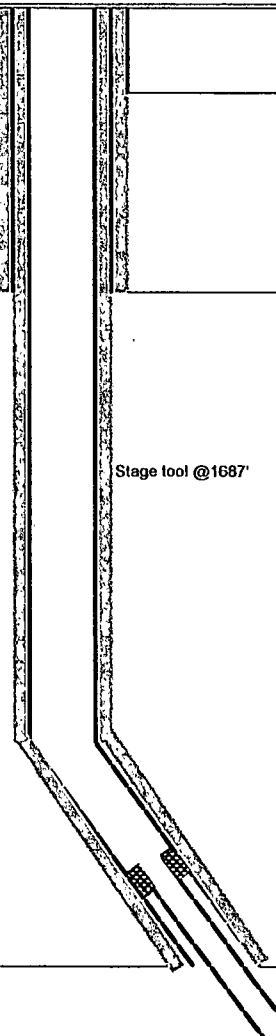
**San Juan County, New Mexico**

**Lease Number: NMNM 12374**

**9. ANTICIPATED START DATE AND DURATION OF OPERATIONS**

Drilling is estimated to commence on January 15, 2014. 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 25 days.

| LOC: Sec 27-T24N-R9W<br>County: San Juan<br>WELL: Escrito L27-2409 01H |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      | Encana Natural Gas<br><br>WELL SUMMARY |     |                                                                                    | <div>encana</div> <div>natural gas</div> |                                                                   | ENG: 5/23/13<br>RIG:<br>GLE: 6924<br>RKBE: 6937 |                          |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------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| MWD<br>LWD                                                             | OPEN HOLE<br>LOGGING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FORM | DEPTH                                  |     |                                                                                    | HOLE<br>SIZE                             | CASING<br>SPECS                                                   | MW<br>MUD TYPE                                  | DEVIATION<br>INFORMATION |
|                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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                                                   |                                                 |                          |
|                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      | 60                                     | 60' |  | 30                                       | 20" 94#<br>100sx Type I Neat 48.8ppg cmt                          | Fresh wtr<br>8.3-9.2                            |                          |
| Surveys<br>After csg is run                                            | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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J55 STC<br><br>TOC @ surface<br>178 sks Type III Cmt | Fresh wtr<br>8.4-8.6                            | Vertical<br><1°          |
| Surveys<br>every 500'                                                  | No OH logs<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>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|      |                                        |     |                                                                                    |                                          |                                                                   |                                                 |                          |

**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 4672', 8 3/4" hole size,
- 5) PU directional tools and start curve at 10deg/100' build rate
- 6) Drill to casing point of 5790' MD
- 7) R&C 7" casing, circ cmt to surface, switch to OBM
- 8) Land at 90deg, drill 4604' lateral to 10489', run 4 1/2" liner with external swellable csg packers



# Boomerang Tube LLC

## CASING (OR) TUBING DESCRIPTION AND PERFORMANCE PROPERTIES

|                                          |       |                 |
|------------------------------------------|-------|-----------------|
| Pipe Outside Diameter (ins)              | _____ | 4.500           |
| Pipe Wall Thickness (ins)                | _____ | 0.250           |
| Nominal Weight Per Foot (lbs)            | _____ | 11.60           |
| Thread Name                              | _____ | Long Thread CSG |
| Grade Name                               | _____ | SB-80           |
| Pipe Minimum Yield (psi)                 | _____ | 80,000          |
| Pipe Minimum Ultimate (psi)              | _____ | 90,000          |
| Coupling Minimum Yield (psi)             | _____ | 80,000          |
| Coupling Minimum Ultimate (psi)          | _____ | 100,000         |
| Coupling or Joint Outside Diameter (ins) | _____ | 5.000           |
| Drift Diameter (ins)                     | _____ | 3.875           |
| Plain End Weight per Foot (lbs)          | _____ | 11.36           |
| Joint Strength (lbs)                     | _____ | 201,000         |
| Internal Yield (psi)                     | _____ | 7,780           |
| Collapse Rating (psi)                    | _____ | 6,350           |

## MAXIMUM DEPTH/LENGTH BASED ON MUD WTS & SAFETY FACTORS

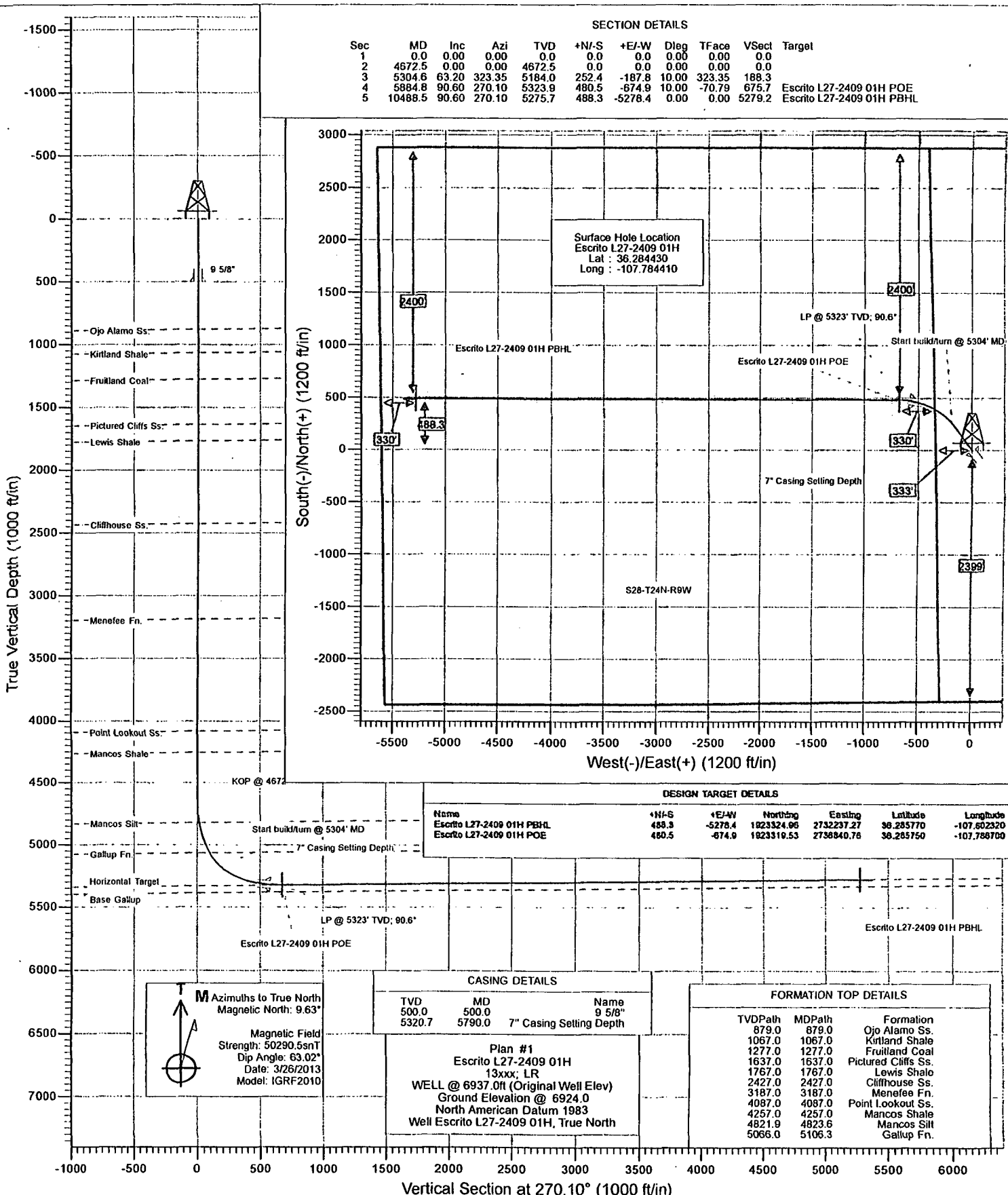
|                                       |       |        |
|---------------------------------------|-------|--------|
| Drilling Mud Weight (ppg)             | _____ | 9.625  |
| Tension Safety Factor                 | _____ | 1.80   |
| Maximum Tension Length (ft)           | _____ | 9,630  |
| Internal Yield Safety Factor          | _____ | 1.10   |
| Maximum Depth for Internal Yield (ft) | _____ | 14,150 |
| Collapse Safety Factor                | _____ | 1.125  |
| Maximum Collapse Depth (ft)           | _____ | 11,290 |

## API RELATED VALUES and INTERMEDIATE CALCULATION RESULTS

|                                            |       |         |
|--------------------------------------------|-------|---------|
| Coupling Thread Fracture Strength          | _____ | 464,000 |
| Pipe Thread Fracture Strength (lbs)        | _____ | 201,000 |
| Pipe Body Plain End Yield (lbs)            | _____ | 267,000 |
| Round Thread Pull-Out (lbs)                | _____ | 219,000 |
| Minimum Make-up Torque (ft-lbs)            | _____ | 1,640   |
| Nominal Make-up Torque (ft-lbs)            | _____ | 2,190   |
| Maximum Make-up Torque (ft-lbs)            | _____ | 2,740   |
| Coupling Internal Yield (psi)              | _____ | 10,660  |
| Pipe Body Internal Yield (psi)             | _____ | 7,780   |
| Leak @ E1 or E7 plane (psi)                | _____ | 17,920  |
| Pipe Hydrostatic Test Pressure @ 80 % SMYS | _____ | 7,100   |



Project: San Juan County, NM  
 Site: S27-T24N-R9W  
 Well: Escrito L27-2409 01H  
 Wellbore: Hz  
 Design: Plan #1



# Planning Report

|           |                             |                              |                                      |
|-----------|-----------------------------|------------------------------|--------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well Escrito L27-2409 01H            |
| Company:  | EnCana Oil & Gas (USA) Inc  | TVD Reference:               | WELL @ 6937.0ft (Original Well Elev) |
| Project:  | San Juan County, NM         | MD Reference:                | WELL @ 6937.0ft (Original Well Elev) |
| Site:     | S27-T24N-R9W                | North Reference:             | True                                 |
| Well:     | Escrito L27-2409 01H        | Survey Calculation Method:   | Minimum Curvature                    |
| Wellbore: | Hz                          |                              |                                      |
| Design:   | Plan #1                     |                              |                                      |

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

|                       |          |              |                 |                   |             |
|-----------------------|----------|--------------|-----------------|-------------------|-------------|
| Site                  |          | S27-T24N-R9W |                 |                   |             |
| Site Position:        |          | Northing:    | 1,922,839.35 ft | Latitude:         | 36.284430   |
| From:                 | Lat/Long | Easting:     | 2,737,515.90 ft | Longitude:        | -107.784410 |
| Position Uncertainty: | 0.0 ft   | Slot Radius: | 13.200 in       | Grid Convergence: | 0.03 °      |

|                      |                      |        |                     |                 |               |             |
|----------------------|----------------------|--------|---------------------|-----------------|---------------|-------------|
| Well                 | Escrito L27-2409 01H |        |                     |                 |               |             |
| Well Position        | +N/-S                | 0.0 ft | Northing:           | 1,922,839.35 ft | Latitude:     | 36.284430   |
|                      | +E/-W                | 0.0 ft | Easting:            | 2,737,515.90 ft | Longitude:    | -107.784410 |
| Position Uncertainty |                      | 0.0 ft | Wellhead Elevation: | ft              | Ground Level: | 6,924.0 ft  |

|           |            |             |                 |               |                     |
|-----------|------------|-------------|-----------------|---------------|---------------------|
| Wellbore  | Hz         |             |                 |               |                     |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|           | IGRF2010   | 3/26/2013   | 9.63            | 63.02         | 50,290              |

|                   |                       |            |               |               |
|-------------------|-----------------------|------------|---------------|---------------|
| Design            | Plan #1               |            |               |               |
| Audit Notes:      |                       |            |               |               |
| Version:          | Phase:                | PLAN       | Tie On Depth: | 0.0           |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft)    | Direction (°) |
|                   | 0.0                   | 0.0        | 0.0           | 270.10        |

| Plan Sections       |                 |             |                     |            |            |                       |                      |                     |         |                      |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target               |
| 0.0                 | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.00                  | 0.00                 | 0.00                | 0.00    |                      |
| 4,672.5             | 0.00            | 0.00        | 4,672.5             | 0.0        | 0.0        | 0.00                  | 0.00                 | 0.00                | 0.00    |                      |
| 5,304.6             | 63.20           | 323.35      | 5,184.0             | 252.4      | -187.8     | 10.00                 | 10.00                | 0.00                | 323.35  |                      |
| 5,884.8             | 90.60           | 270.10      | 5,323.9             | 480.5      | -674.9     | 10.00                 | 4.72                 | -9.18               | -70.79  | Escrito L27-2409 01H |
| 10,488.5            | 90.60           | 270.10      | 5,275.7             | 488.3      | -5,278.4   | 0.00                  | 0.00                 | 0.00                | 0.00    | Escrito L27-2409 01H |

# Planning Report

|           |                             |                              |                                      |
|-----------|-----------------------------|------------------------------|--------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well Escrito L27-2409 01H            |
| Company:  | EnCana Oil & Gas (USA) Inc  | TVD Reference:               | WELL @ 6937.0ft (Original Well Elev) |
| Project:  | San Juan County, NM         | MD Reference:                | WELL @ 6937.0ft (Original Well Elev) |
| Site:     | S27-T24N-R9W                | North Reference:             | True                                 |
| Well:     | Escrito L27-2409 01H        | Survey Calculation Method:   | Minimum Curvature                    |
| Wellbore: | Hz                          |                              |                                      |
| Design:   | Plan #1                     |                              |                                      |

| Planned Survey      |                 |             |                     |            |            |                       |                       |                      |                       |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | 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                 |                       |
| 879.0               | 0.00            | 0.00        | 879.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | Ojo Alamo Ss.         |
| 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                 |                       |
| 1,067.0             | 0.00            | 0.00        | 1,067.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | Kirtland Shale        |
| 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                 |                       |
| 1,277.0             | 0.00            | 0.00        | 1,277.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | Fruitland Coal        |
| 1,300.0             | 0.00            | 0.00        | 1,300.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 |                       |
| 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                 |                       |
| 1,600.0             | 0.00            | 0.00        | 1,600.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 |                       |
| 1,637.0             | 0.00            | 0.00        | 1,637.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | Pictured Cliffs Ss.   |
| 1,700.0             | 0.00            | 0.00        | 1,700.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 |                       |
| 1,767.0             | 0.00            | 0.00        | 1,767.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | Lewis Shale           |
| 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                 |                       |
| 2,100.0             | 0.00            | 0.00        | 2,100.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 |                       |
| 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                 |                       |
| 2,427.0             | 0.00            | 0.00        | 2,427.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | Cliffhouse Ss.        |
| 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                 |                       |
| 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                 |                       |
| 3,187.0             | 0.00            | 0.00        | 3,187.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | Menefee Fn.           |
| 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                 |                       |
| 3,700.0             | 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                 |                       |
| 4,087.0             | 0.00            | 0.00        | 4,087.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | Point Lookout Ss.     |
| 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                 |                       |
| 4,257.0             | 0.00            | 0.00        | 4,257.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | Mancos Shale          |

# Planning Report

|           |                             |                              |                                      |
|-----------|-----------------------------|------------------------------|--------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well Escrito L27-2409 01H            |
| Company:  | EnCana Oil & Gas (USA) Inc  | TVD Reference:               | WELL @ 6937.0ft (Original Well Elev) |
| Project:  | San Juan County, NM         | MD Reference:                | WELL @ 6937.0ft (Original Well Elev) |
| Site:     | S27-T24N-R9W                | North Reference:             | True                                 |
| Well:     | Escrito L27-2409 01H        | Survey Calculation Method:   | Minimum Curvature                    |
| Wellbore: | H2                          |                              |                                      |
| Design:   | Plan #1                     |                              |                                      |

| Planned Survey      |                 |             |                     |            |            |                       |                       |                      |                                              |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|----------------------------------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Comments / Formations                        |
| 4,300.0             | 0.00            | 0.00        | 4,300.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 |                                              |
| 4,400.0             | 0.00            | 0.00        | 4,400.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 |                                              |
| 4,500.0             | 0.00            | 0.00        | 4,500.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 |                                              |
| 4,600.0             | 0.00            | 0.00        | 4,600.0             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 |                                              |
| 4,672.5             | 0.00            | 0.00        | 4,672.5             | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | KOP @ 4672'                                  |
| 4,700.0             | 2.75            | 323.35      | 4,700.0             | 0.5        | -0.4       | 0.4                   | 10.00                 | 10.00                |                                              |
| 4,800.0             | 12.75           | 323.35      | 4,799.0             | 11.3       | -8.4       | 8.5                   | 10.00                 | 10.00                |                                              |
| 4,823.6             | 15.11           | 323.35      | 4,821.9             | 15.9       | -11.8      | 11.9                  | 10.00                 | 10.00                | Mancos Silt                                  |
| 4,900.0             | 22.75           | 323.35      | 4,894.1             | 35.8       | -26.6      | 26.7                  | 10.00                 | 10.00                |                                              |
| 5,000.0             | 32.75           | 323.35      | 4,982.5             | 73.1       | -54.4      | 54.5                  | 10.00                 | 10.00                |                                              |
| 5,100.0             | 42.75           | 323.35      | 5,061.4             | 122.1      | -90.9      | 91.1                  | 10.00                 | 10.00                |                                              |
| 5,106.3             | 43.37           | 323.35      | 5,066.0             | 125.6      | -93.4      | 93.6                  | 10.00                 | 10.00                | Gallup Fn.                                   |
| 5,200.0             | 52.75           | 323.35      | 5,128.6             | 181.4      | -135.0     | 135.3                 | 10.00                 | 10.00                |                                              |
| 5,300.0             | 62.75           | 323.35      | 5,181.9             | 249.2      | -185.4     | 185.8                 | 10.00                 | 10.00                |                                              |
| 5,304.6             | 63.20           | 323.35      | 5,184.0             | 252.4      | -187.8     | 188.3                 | 10.00                 | 10.00                | Start build/turn @ 5304' MD                  |
| 5,400.0             | 66.68           | 313.53      | 5,224.5             | 316.9      | -245.2     | 245.7                 | 10.00                 | 3.64                 |                                              |
| 5,500.0             | 70.94           | 303.81      | 5,260.7             | 375.0      | -317.9     | 318.6                 | 10.00                 | 4.26                 |                                              |
| 5,600.0             | 75.68           | 294.61      | 5,289.5             | 421.6      | -401.4     | 402.2                 | 10.00                 | 4.74                 |                                              |
| 5,700.0             | 80.76           | 285.81      | 5,309.9             | 455.3      | -493.2     | 494.0                 | 10.00                 | 5.08                 |                                              |
| 5,790.0             | 85.51           | 278.10      | 5,320.7             | 473.8      | -580.5     | 581.4                 | 10.00                 | 5.28                 | 7" Casing Setting Depth                      |
| 5,800.0             | 86.04           | 277.26      | 5,321.4             | 475.1      | -590.4     | 591.2                 | 10.00                 | 5.35                 |                                              |
| 5,884.8             | 90.60           | 270.10      | 5,323.9             | 480.5      | -674.9     | 675.7                 | 10.00                 | 5.37                 | LP @ 5323' TVD; 90.6° - Escrito L27-2409 01H |
| 5,900.0             | 90.60           | 270.10      | 5,323.7             | 480.5      | -690.1     | 691.0                 | 0.00                  | 0.00                 |                                              |
| 6,000.0             | 90.60           | 270.10      | 5,322.7             | 480.7      | -790.1     | 791.0                 | 0.00                  | 0.00                 |                                              |
| 6,100.0             | 90.60           | 270.10      | 5,321.6             | 480.9      | -890.1     | 890.9                 | 0.00                  | 0.00                 |                                              |
| 6,200.0             | 90.60           | 270.10      | 5,320.6             | 481.1      | -990.1     | 990.9                 | 0.00                  | 0.00                 |                                              |
| 6,300.0             | 90.60           | 270.10      | 5,319.6             | 481.2      | -1,090.1   | 1,090.9               | 0.00                  | 0.00                 |                                              |
| 6,400.0             | 90.60           | 270.10      | 5,318.5             | 481.4      | -1,190.1   | 1,190.9               | 0.00                  | 0.00                 |                                              |
| 6,500.0             | 90.60           | 270.10      | 5,317.5             | 481.6      | -1,290.1   | 1,290.9               | 0.00                  | 0.00                 |                                              |
| 6,600.0             | 90.60           | 270.10      | 5,316.4             | 481.7      | -1,390.1   | 1,390.9               | 0.00                  | 0.00                 |                                              |
| 6,700.0             | 90.60           | 270.10      | 5,315.4             | 481.9      | -1,490.1   | 1,490.9               | 0.00                  | 0.00                 |                                              |
| 6,800.0             | 90.60           | 270.10      | 5,314.3             | 482.1      | -1,590.1   | 1,590.9               | 0.00                  | 0.00                 |                                              |
| 6,900.0             | 90.60           | 270.10      | 5,313.3             | 482.2      | -1,690.1   | 1,690.9               | 0.00                  | 0.00                 |                                              |
| 7,000.0             | 90.60           | 270.10      | 5,312.2             | 482.4      | -1,790.1   | 1,790.9               | 0.00                  | 0.00                 |                                              |
| 7,100.0             | 90.60           | 270.10      | 5,311.2             | 482.6      | -1,890.1   | 1,890.9               | 0.00                  | 0.00                 |                                              |
| 7,200.0             | 90.60           | 270.10      | 5,310.1             | 482.7      | -1,990.0   | 1,990.9               | 0.00                  | 0.00                 |                                              |
| 7,300.0             | 90.60           | 270.10      | 5,309.1             | 482.9      | -2,090.0   | 2,090.9               | 0.00                  | 0.00                 |                                              |
| 7,400.0             | 90.60           | 270.10      | 5,308.0             | 483.1      | -2,190.0   | 2,190.9               | 0.00                  | 0.00                 |                                              |
| 7,500.0             | 90.60           | 270.10      | 5,307.0             | 483.2      | -2,290.0   | 2,290.9               | 0.00                  | 0.00                 |                                              |
| 7,600.0             | 90.60           | 270.10      | 5,305.9             | 483.4      | -2,390.0   | 2,390.9               | 0.00                  | 0.00                 |                                              |
| 7,700.0             | 90.60           | 270.10      | 5,304.9             | 483.6      | -2,490.0   | 2,490.9               | 0.00                  | 0.00                 |                                              |
| 7,800.0             | 90.60           | 270.10      | 5,303.8             | 483.8      | -2,590.0   | 2,590.9               | 0.00                  | 0.00                 |                                              |
| 7,900.0             | 90.60           | 270.10      | 5,302.8             | 483.9      | -2,690.0   | 2,690.8               | 0.00                  | 0.00                 |                                              |
| 8,000.0             | 90.60           | 270.10      | 5,301.8             | 484.1      | -2,790.0   | 2,790.8               | 0.00                  | 0.00                 |                                              |
| 8,100.0             | 90.60           | 270.10      | 5,300.7             | 484.3      | -2,890.0   | 2,890.8               | 0.00                  | 0.00                 |                                              |
| 8,200.0             | 90.60           | 270.10      | 5,299.7             | 484.4      | -2,990.0   | 2,990.8               | 0.00                  | 0.00                 |                                              |
| 8,300.0             | 90.60           | 270.10      | 5,298.6             | 484.6      | -3,090.0   | 3,090.8               | 0.00                  | 0.00                 |                                              |
| 8,400.0             | 90.60           | 270.10      | 5,297.6             | 484.8      | -3,190.0   | 3,190.8               | 0.00                  | 0.00                 |                                              |
| 8,500.0             | 90.60           | 270.10      | 5,296.5             | 484.9      | -3,290.0   | 3,290.8               | 0.00                  | 0.00                 |                                              |
| 8,600.0             | 90.60           | 270.10      | 5,295.5             | 485.1      | -3,390.0   | 3,390.8               | 0.00                  | 0.00                 |                                              |
| 8,700.0             | 90.60           | 270.10      | 5,294.4             | 485.3      | -3,490.0   | 3,490.8               | 0.00                  | 0.00                 |                                              |
| 8,800.0             | 90.60           | 270.10      | 5,293.4             | 485.4      | -3,590.0   | 3,590.8               | 0.00                  | 0.00                 |                                              |

# Planning Report

|           |                             |                              |                                      |
|-----------|-----------------------------|------------------------------|--------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well Escrito L27-2409 01H            |
| Company:  | EnCana Oil & Gas (USA) Inc  | TVD Reference:               | WELL @ 6937.0ft (Original Well Elev) |
| Project:  | San Juan County, NM         | MD Reference:                | WELL @ 6937.0ft (Original Well Elev) |
| Site:     | S27-T24N-R9W                | North Reference:             | True                                 |
| Well:     | Escrito L27-2409 01H        | Survey Calculation Method:   | Minimum Curvature                    |
| Wellbore: | Hz                          |                              |                                      |
| Design:   | Plan #1                     |                              |                                      |

| Planned Survey      |                 |             |                     |            |            |                       |                       |                      |                                           |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|-------------------------------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Comments / Formations                     |
| 8,900.0             | 90.60           | 270.10      | 5,292.3             | 485.6      | -3,690.0   | 3,690.8               | 0.00                  | 0.00                 |                                           |
| 9,000.0             | 90.60           | 270.10      | 5,291.3             | 485.8      | -3,789.9   | 3,790.8               | 0.00                  | 0.00                 |                                           |
| 9,100.0             | 90.60           | 270.10      | 5,290.2             | 485.9      | -3,889.9   | 3,890.8               | 0.00                  | 0.00                 |                                           |
| 9,200.0             | 90.60           | 270.10      | 5,289.2             | 486.1      | -3,989.9   | 3,990.8               | 0.00                  | 0.00                 |                                           |
| 9,300.0             | 90.60           | 270.10      | 5,288.1             | 486.3      | -4,089.9   | 4,090.8               | 0.00                  | 0.00                 |                                           |
| 9,400.0             | 90.60           | 270.10      | 5,287.1             | 486.4      | -4,189.9   | 4,190.8               | 0.00                  | 0.00                 |                                           |
| 9,500.0             | 90.60           | 270.10      | 5,286.0             | 486.6      | -4,289.9   | 4,290.8               | 0.00                  | 0.00                 |                                           |
| 9,600.0             | 90.60           | 270.10      | 5,285.0             | 486.8      | -4,389.9   | 4,390.8               | 0.00                  | 0.00                 |                                           |
| 9,700.0             | 90.60           | 270.10      | 5,284.0             | 487.0      | -4,489.9   | 4,490.7               | 0.00                  | 0.00                 |                                           |
| 9,800.0             | 90.60           | 270.10      | 5,282.9             | 487.1      | -4,589.9   | 4,590.7               | 0.00                  | 0.00                 |                                           |
| 9,900.0             | 90.60           | 270.10      | 5,281.9             | 487.3      | -4,689.9   | 4,690.7               | 0.00                  | 0.00                 |                                           |
| 10,000.0            | 90.60           | 270.10      | 5,280.8             | 487.5      | -4,789.9   | 4,790.7               | 0.00                  | 0.00                 |                                           |
| 10,100.0            | 90.60           | 270.10      | 5,279.8             | 487.6      | -4,889.9   | 4,890.7               | 0.00                  | 0.00                 |                                           |
| 10,200.0            | 90.60           | 270.10      | 5,278.7             | 487.8      | -4,989.9   | 4,990.7               | 0.00                  | 0.00                 |                                           |
| 10,300.0            | 90.60           | 270.10      | 5,277.7             | 488.0      | -5,089.9   | 5,090.7               | 0.00                  | 0.00                 |                                           |
| 10,400.0            | 90.60           | 270.10      | 5,276.6             | 488.1      | -5,189.9   | 5,190.7               | 0.00                  | 0.00                 |                                           |
| 10,488.5            | 90.60           | 270.10      | 5,275.7             | 488.3      | -5,278.4   | 5,279.2               | 0.00                  | 0.00                 | TD at 10488.5 - Escrito L27-2409 01H PBHL |

| Targets                   |               |              |          |            |            |               |              |           |             |
|---------------------------|---------------|--------------|----------|------------|------------|---------------|--------------|-----------|-------------|
| Target Name               | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude  | Longitude   |
| - hit/miss target         |               |              |          |            |            |               |              |           |             |
| - Shape                   |               |              |          |            |            |               |              |           |             |
| Escrito L27-2409 01H PI   | 0.00          | 0.00         | 5,275.7  | 488.3      | -5,278.4   | 1,923,324.96  | 2,732,237.27 | 36.285770 | -107.802320 |
| - plan hits target center |               |              |          |            |            |               |              |           |             |
| - Point                   |               |              |          |            |            |               |              |           |             |
| Escrito L27-2409 01H PI   | 0.00          | 0.00         | 5,323.9  | 480.5      | -674.9     | 1,923,319.53  | 2,736,840.76 | 36.285750 | -107.786700 |
| - plan hits target center |               |              |          |            |            |               |              |           |             |
| - Point                   |               |              |          |            |            |               |              |           |             |

| Casing Points       |                     |                         |                      |                    |  |
|---------------------|---------------------|-------------------------|----------------------|--------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name                    | Casing Diameter (in) | Hole Diameter (in) |  |
| 500.0               | 500.0               | 9 5/8"                  | 0.000                | 0.000              |  |
| 5,790.0             | 5,320.7             | 7" Casing Setting Depth | 0.000                | 0.000              |  |

# Planning Report

|           |                             |                              |                                      |
|-----------|-----------------------------|------------------------------|--------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well Escrito L27-2409 01H            |
| Company:  | EnCana Oil & Gas (USA) Inc  | TVD Reference:               | WELL @ 6937.0ft (Original Well Elev) |
| Project:  | San Juan County, NM         | MD Reference:                | WELL @ 6937.0ft (Original Well Elev) |
| Site:     | S27-T24N-R9W                | North Reference:             | True                                 |
| Well:     | Escrito L27-2409 01H        | Survey Calculation Method:   | Minimum Curvature                    |
| Wellbore: | Hz                          |                              |                                      |
| Design:   | Plan #1                     |                              |                                      |

| Formations          |                     |                     |           |         |                   |  |
|---------------------|---------------------|---------------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name                | Lithology | Dip (°) | Dip Direction (°) |  |
| 879.0               | 879.0               | Ojo Alamo Ss.       |           | -0.60   | 270.10            |  |
| 1,067.0             | 1,067.0             | Kirtland Shale      |           | -0.60   | 270.10            |  |
| 1,277.0             | 1,277.0             | Fruitland Coal      |           | -0.60   | 270.10            |  |
| 1,637.0             | 1,637.0             | Pictured Cliffs Ss. |           | -0.60   | 270.10            |  |
| 1,767.0             | 1,767.0             | Lewis Shale         |           | -0.60   | 270.10            |  |
| 2,427.0             | 2,427.0             | Cliffhouse Ss.      |           | -0.60   | 270.10            |  |
| 3,187.0             | 3,187.0             | Menefee Fn.         |           | -0.60   | 270.10            |  |
| 4,087.0             | 4,087.0             | Point Lookout Ss.   |           | -0.60   | 270.10            |  |
| 4,257.0             | 4,257.0             | Mancos Shale        |           | -0.60   | 270.10            |  |
| 4,823.6             | 4,822.0             | Mancos Silt         |           | -0.60   | 270.10            |  |
| 5,106.3             | 5,067.0             | Gallup Fn.          |           | -0.60   | 270.10            |  |

| Plan Annotations    |                     |                   |            |                             |  |
|---------------------|---------------------|-------------------|------------|-----------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates |            |                             |  |
|                     |                     | +N/-S (ft)        | +E/-W (ft) | Comment                     |  |
| 4,672.5             | 4,672.5             | 0.0               | 0.0        | KOP @ 4672'                 |  |
| 5,304.6             | 5,184.0             | 252.4             | -187.8     | Start build/turn @ 5304' MD |  |
| 5,884.8             | 5,323.9             | 480.5             | -674.9     | LP @ 5323' TVD; 90.6°       |  |
| 10,488.5            | 5,275.7             | 488.3             | -5,278.4   | TD at 10488.5               |  |

# WELLHEAD BLOWOUT CONTROL SYSTEM



Well name and number:

Escrito L27-2409 01H

