State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

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

David R. Catanach 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: 7-30-15
Well information;
Operator Encana, Well Name and Number Escrito M21 2409 #2H

API# 30-045-35703, Section 21, 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
- o Spacing rule violation. Operator must follow up with change of status notification on other well to be shut in or abandoned
- o 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
- o 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
- ✓ Regarding Hydraulic Fracturing, review EPA Underground Injection Control Guidance 84
- ✓ 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. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.
- ✓ Well-bore communication is regulated under 19.15.29 NMAC. This requires well-bore Communication to be reported in accordance with 19.15.29.8.

Charles Perrin
NMOCD Approved by Signature

11-30-2015
Date

KC

1220 South St. Francis Drive • Santa Fe, New Mexico 87505
Phone (505) 476-3460 • Fax (505) 476-3462 • www.emnrd.state.nm.us/ocd

OIL CONS. DIV DIST. 3

NOV 19 2015

CONFIDENTIAL

Form 3160-3
(March 2012)

RECEIVED

JUL 31 2015

Farmington Field Office
Bureau of Land Management

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☑ DRILL ☐ REENTER	5. Lease Serial No. NMNM 10755
	6. If Indian, Allotee or Tribe Name N/A
	7. If Unit or CA Agreement, Name and No. N/A
1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone	8. Lease Name and Well No. Escrito M21-2409 02H
2. Name of Operator Encana Oil & Gas (USA) Inc.	9. API Well No. 30-045-35703
3a. Address 370 17th Street, Suite 1700 Denver, CO 80202 / 3b. Phone No. (include area code) 720-876-5919	10. Field and Pool, or Exploratory Bisti-Lower Gallup
4. Location of Well (Report location clearly and in accordance with any State requirements.*) At surface 1,272' FSL, 384' FWL, Section 21, T24N, R9W At proposed prod. zone 660' FSL, 330' FWL, Section 20, T24N, R9W	11. Sec., T. R. M. or Blk. and Survey or Area Section 21, T24N, R9W NMPM
14. Distance in miles and direction from nearest town or post office* +/- 32.9 miles South from the intersection of US HWY 64 & US HWY 550 in Bloomfield, NM	12. County or Parish San Juan / 13. State NM
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any) BHL is 330' FWL Section 20, T24N, R9W	16. No. of acres in lease NMNM 10755- 800 acres / 17. Spacing Unit dedicated to this well 320 acres- S/2 of Sec. 20, T24N, R9W
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. SHL is +/- 30' West of Escrito M21-2409 01H	19. Proposed Depth 5,297' TVD; 10,428' MD / 20. BLM/BIA Bond No. on file COB-000235
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6,953' GL; 6,969' KB	22. Approximate date work will start* 02/15/2016 / 23. Estimated duration 20 days

KP

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
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).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature Jillian McGrath	Name (Printed/Typed) Jillian McGrath	Date 7/30/15
Title Regulatory Analyst		
Approved by (Signature) [signature]	Name (Printed/Typed)	Date 11/17/15
Title AFM	Office FFO	

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.

*(Instructions on page 2)

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

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

NMOCD

...M'S APPROVAL OR ACCEPTANCE OF THIS ...CTION DOES NOT RELIEVE THE LESSEE AND ...ERATOR FROM OBTAINING ANY OTHER ...THORIZATION REQUIRED FOR OPERATIONS ...FEDERAL AND INDIAN LANDS

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

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

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-045-35703	5890	BISTI-LOWER GALLUP

[4] Property Code	[5] Property Name	[6] Well Number
315080	ESCRITO M21-2409	02H

[7] OGRID No.	[8] Operator Name	[9] Elevation
282327	ENCANA OIL & GAS (USA) INC.	6953.2'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	21	24N	9W		1272'	SOUTH	384'	WEST	SAN JUAN

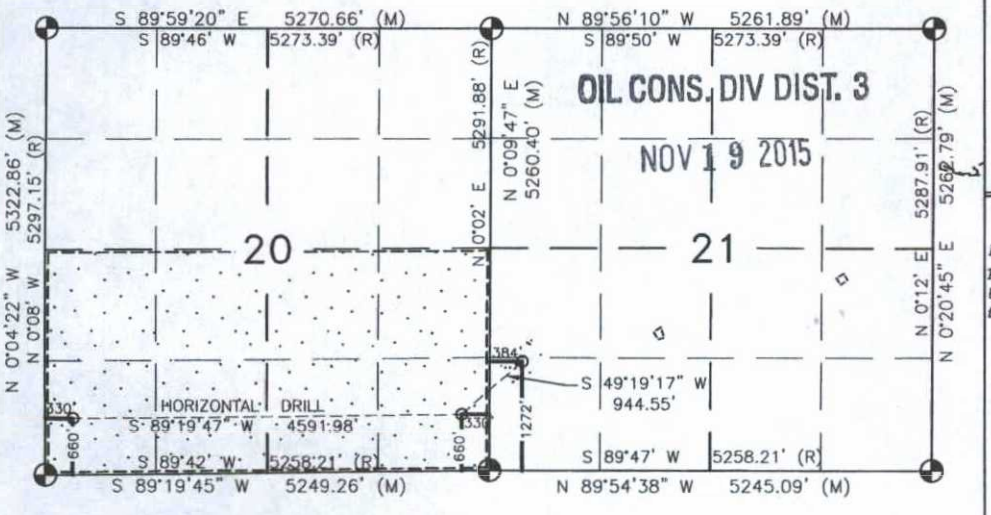
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	20	24N	9W		660'	SOUTH	330'	WEST	SAN JUAN

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
PROJECT AREA 320.00 ACRES S/2 SEC. 20			

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

16



NORTHWEST CORNER SEC. 20
LAT. 36.306797' N (NAD83)
LONG. 107.821390' W (NAD83)
LAT. 36.306785' N (NAD27)
LONG. 107.820774' W (NAD27)

NORTHEAST CORNER SEC. 20
LAT. 36.306799' N (NAD83)
LONG. 107.803508' W (NAD83)
LAT. 36.306787' N (NAD27)
LONG. 107.802893' W (NAD27)

SOUTHWEST CORNER SEC. 20
LAT. 36.292181' N (NAD83)
LONG. 107.821359' W (NAD83)
LAT. 36.292217' N (NAD27)
LONG. 107.820743' W (NAD27)

SOUTHEAST CORNER SEC. 20
LAT. 36.292354' N (NAD83)
LONG. 107.803555' W (NAD83)
LAT. 36.292342' N (NAD27)
LONG. 107.802940' W (NAD27)

[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Jillian McGrath 7/30/15
Signature Date

Jillian McGrath
Printed Name

jillian.mcgrath@encana.com
E-mail Address

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.

JUNE 5, 2014
Date of Survey

Signature and Seal of Professional Surveyor:

HENRY P. BROADHURST NEW MEXICO 11393 PROFESSIONAL SURVEYOR 05/31/2015

Sheet A

Escrito M21-2409 02H
SHL: 1272' FSL, 384' FWL, Sec 21, T24N, R9W
BHL: 660' FSL, 330' FWL, Sec 20, T24N, R9W
San Juan, New Mexico
Lease Number: NMNM 10755

Encana Oil & Gas (USA) Inc.
Drilling Plan

1. ESTIMATED TOPS OF GEOLOGICAL MARKERS (TVD)

The estimated tops of important geologic markers are as follows:

Formation	Depth (TVD) units = feet
San Jose Fn.	n/a
Nacimiento Fn.	surface
Ojo Alamo Ss.	878
Kirtland Shale	1,092
Fruitland Coal	1,392
Pictured Cliffs Ss.	1,668
Lewis Shale	1,822
Cliffhouse Ss.	2,486
Menefee Fn.	3,208
Point Lookout Ss.	4,137
Mancos Shale	4,327
Mancos Silt	4,892
Gallup Fn.	5,136
Base Gallup	5,444

The referenced surface elevation is 6953', KB 6969'

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

Substance	Formation	Depth (TVD) units = feet
Water/Gas	Fruitland Coal	1,392
Oil/Gas	Pictured Cliffs Ss.	1,668
Oil/Gas	Cliffhouse Ss.	2,486
Gas	Menefee Fn.	3,208
Oil/Gas	Point Lookout Ss.	4,137
Oil/Gas	Mancos Shale	4,327
Oil/Gas	Mancos Silt	4,892
Oil/Gas	Gallup Fn.	5,136

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

Escrito M21-2409 02H
SHL: 1272' FSL, 384' FWL, Sec 21, T24N, R9W
BHL: 660' FSL, 330' FWL, Sec 20, T24N, R9W
San Juan, New Mexico
Lease Number: NMNM 10755

3. PRESSURE CONTROL

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

Proposed BOP and choke manifold arrangements are attached.

4. CASING & CEMENTING PROGRAM

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

a) The proposed casing design is as follows:

Casing	Depth (MD)	Hole Size	Csg Size	Weight	Grade
Conductor	0'-60'	26"	16"	42.09#	
Surface	0'-500'	12 1/4"	9 5/8"	36#	J55, STC New
Intermediate	0'-5837'	8 3/4"	7"	26#	J55, LTC New
Production Liner	5737'-10428'	6 1/8"	4 1/2"	11.6#	B80*, LTC New

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

*B80 pipe specifications are attached.

Casing design is subject to revision based on geologic conditions encountered.

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BHL: 660' FSL, 330' FWL, Sec 20, T24N, R9W
San Juan, New Mexico
Lease Number: NMNM 10755

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:

Casing	Depth (MD)	Cement Volume (sacks)	Cement Type & Yield	Designed TOC	Centralizers
Conductor	0'-60'	100 sks	Type I Neat 16 ppg	Surface	None
Surface	0'-500'	228 sks	Type III Cement + 1% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 0.2% bwoc FL-52A + 58.9% Fresh Water	Surface	1 per joint on bottom 3 joints
Intermediate	0'-5837'	100% open hole excess Stage 1 Lead: 545 sks Stage 1 Tail: 413 sks	Lead: PremLite + 3% CaCl + 0.25lb/sk CelloFlake + 5lb/sk LCM, 12.1ppg 2.13cuft/sk Tail: Type III Cmt + 1% CaCl + 0.25lb/sk Cello Flake 14.5ppg 1.38cuft/sk	Surface	1 every 3 joints through water bearing zones
Production Liner	5737'-10428'	50% OH excess Stage 1 Blend Total: 267sks	Blend: Premium Lite High Strength FM + 0.7% bwoc R-3 + 3% bwow Potassium Chloride + 0.25lbs/sack Cello Flake + 0.5% bwoc CD-32 + 1.15% bwoc FL-52A + 60 lbs/sack Calcium Carbonate + 124.4% Fresh Water. Yield 2.63 cuft/sk	Liner Hanger	N/A

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

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

5. WELL PLAN & DIRECTIONAL DRILLING PROGRAM

The proposed horizontal well will have a kick off point of 500'. Directional plans are attached.

Description	Proposed Depth (TVD/MD)	Formation
Horizontal Lateral TD	5297'/10428'	Gallup

Escrito M21-2409 02H
SHL: 1272' FSL, 384' FWL, Sec 21, T24N, R9W
BHL: 660' FSL, 330' FWL, Sec 20, T24N, R9W
San Juan, New Mexico
Lease Number: NMNM 10755

6. DRILLING FLUIDS PROGRAM

a) Surface through Intermediate Casing Point:

Hole Size (in)	Depth (TVD/MD)	Mud Type	Density (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
30"	0-60'/60'	Fresh Water	8.3-9.2	38-100	4-28
12 1/4"	0'-500'/500'	Fresh Water	8.3-10	60-70	NC
8 3/4"	500'/500'-5377'/5837'	Fresh Water LSND	8.3-10	40-50	8-10

b) Intermediate Casing Point to TD:

Hole Size (in)	Depth (TVD/MD)	Mud Type	Density (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
6 1/8"	5377'/5837'-5297'/10428'	Fresh Water LSND	8.3-10	15-25	<15

c) There will be sufficient mud on location to control a blowout should one occur. Mud flow and volume will be monitored both visually and with electronic pit volume totalizers. Mud tests shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.

d) A closed-loop system will be used to recover drilling fluid and dry cuttings in both phases of the well and on all hole intervals. Above-ground tanks will be utilized to hold cuttings and fluids for rig operations. A frac tank will be on location to store fresh water. Waste will be disposed of properly at an EPA-approved hazardous waste facility. Fresh water cuttings will be disposed of at Basin Disposal, Inc. and/or Industrial Ecosystems, Inc. The location will be lined in accordance with the Surface Use Plan of Operations.

7. TESTING, CORING, & LOGGING

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

Cased Hole:
CBL/CCL/GR/VDL will be run as needed for perforating control.

8. ABNORMAL PRESSURES & HYDROGEN SULFIDE

The anticipated bottom hole pressure is +/- 2523 psi based on a 9.0 ppg at 5390' TVD of the horizontal lateral target. No abnormal pressure or temperatures are anticipated.

No hydrogen sulfide gas is anticipated, however, if H_2S is encountered, the guidelines in Onshore Order No. 6 will be followed.

9. ANTICIPATED START DATE AND DURATION OF OPERATIONS

Drilling is estimated to commence on February 15, 2015. It is anticipated that completion operations will begin within 30 days after the well has been drilled depending on fracture treatment schedules with various pumping service companies.

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

LOC: 1272' FSL, 384' FWL, Sec 21, T24N, R9W County: San Juan WELL: Escrito M21-2409 02H	Encana Oil & Gas (USA) Inc. WELL SUMMARY		ENG: 0 RIG: Unassigned GLE: 6953.2 RKBE: 6969.2	7/30/15

MWD LWD	OPEN HOLE LOGGING	FORM	DEPTH TVD	DEPTH MD	HOLE SIZE	CASING SPECS	MW MUD TYPE	DEVIATION INFORMATION
			60	60'	26	16" 42.09# 100sx Type I Neat 16.0ppg cmt	Fresh wtr 8.3-9.2	
Multi-Well pad - take survey every stand and run anti-collision report prior to spud	None	San Jose Fn. 0 Nacimiento Fn. surface 9 5/8" Csg 500	0 surface 500	500.00	12 1/4	9 5/8" 36ppf J55 LTC TOC Surface with 100% OH Excess: 228 sks Type III Cement + 1% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 0.2% bwoc FL-52A + 58.9% Fresh Water.	Fresh wtr 8.3-10	Vertical <1°
Survey Every 60'-120', updating anticollision report after surveys. Stop operations and contact drilling engineer if separation factor approaches 1.5	No OH logs	Ojo Alamo Ss. Kirtland Shale Fruitland Coal Pictured Cliffs Ss. Lewis Shale Cliffhouse Ss. Menefee Fn. Point Lookout Ss. Mancos Shale	878 1,092 1,392 1,668 1,822 2,486 3,208 4,137 4,327		8 3/4	7" 26ppf J55 LTC TOC @ surface (100% OH excess - 70% Lead 30% Tail) Stage 1 Total: 958sks Stage 1 Lead: 545 sks Premium Lite FM + 3% CaCl2 + 0.25/sk Cello Flake + 5#/sk LCM-1 + 8% Bentonite + 0.4% FL-52A + 0.4% Sodium Metasilicate. Mixed at 12.1 ppg. Yield 2.13 cuft/sk. Stage 1 Tail: 413 sks Type III Cement + 1% CaCl2 + 0.25#/sk Cello Flake + 0.2% FL-52A. Mixed at 14.6 ppg. Yield 1.38 cuft/sk.	Fresh Wtr 8.3-10	Vertical <1°
	Mud logger onsite	KOP	500	500				
Surveys every 30' through the curve		Mancos Silt Gallup Fn. 7" Csg	4,892 5,136 5,377	5,837'				
Surveys every stand to TD unless directed otherwise by Geologist MWD Gamma Directional	No OH Logs	Horizontal Target TD Base Gallup	5,390 5,297 5,444	10,428	6 1/8	100' overlap at liner top 4591' Drilled Lateral 4 1/2" 11.6ppf SB80 LTC TOC @ hanger (50% OH excess) Stage 1 Total: 267sks Stage 1 Blend: 267 sks Premium Lite High Strength FM + 0.7% bwoc R-3 + 3% bwow Potassium Chloride + 0.25lbs/sack Cello Flake + 0.5% bwoc CD-32 + 1.15% bwoc FL-52A + 60 lbs/sack Calcium Carbonate + 124.4% Fresh Water. Yield 2.63 cuft/sk.	WBM 8.3-10	Horz Inc/TVD 91deg/5390.2ft TD = 10428 MD

NOTES:

1) Drill with 26" bit to 60', set 16" 42.09ppf 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 500', 8 3/4 inch holesize
5) Start curve at 10deg/100' build rate
6) Drill to csg point of 5837' MD
7) R&C 7" csg, circ cmt to surface
8) Land at ~55 deg, drill lateral to 10428' run 4 1/2 inch cemented liner

ENCANA™

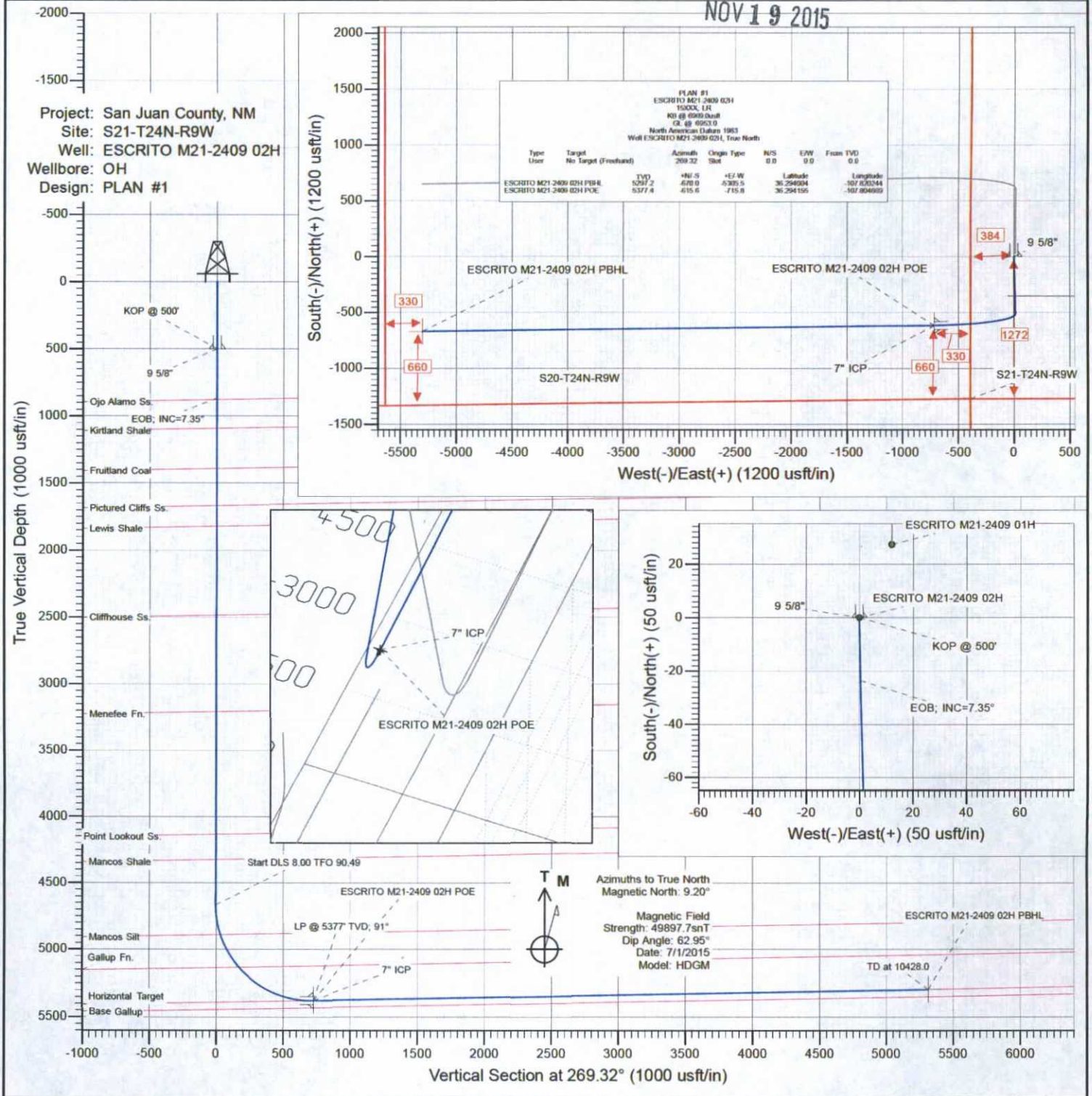
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	
3	867.5	7.35	178.70	866.5	-23.5	0.5	2.00	178.70	-0.3	
4	4698.9	7.35	178.70	4666.4	-513.6	11.6	0.00	0.00	-5.5	
5	5837.3	91.00	269.32	5377.4	-615.6	-715.8	8.00	90.49	723.0	ESCRITO M21-2409 02H POE
6	10428.0	91.00	269.32	5297.2	-670.0	-5305.5	0.00	0.00	5313.1	ESCRITO M21-2409 02H PBHL

OIL CONS. DIV DIST. 3

NOV 19 2015

Project: San Juan County, NM
Site: S21-T24N-R9W
Well: ESCRITO M21-2409 02H
Wellbore: OH
Design: PLAN #1



CATHEDRAL

WELL DETAILS: ESCRITO M21-2409 02H

Ground Level: 6953.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1926989.04	2732254.21	36.295846	-107.802240	

Planning Report

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well ESCRITO M21-2409 02H
Company:	EnCana Oil & Gas (USA) Inc	**TVD Reference:**	KB @ 6969.0usft
Project:	San Juan County, NM	**MD Reference:**	KB @ 6969.0usft
Site:	S21-T24N-R9W	**North Reference:**	True
Well:	ESCRITO M21-2409 02H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
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	S21-T24N-R9W				
Site Position:		**Northing:**	1,927,016.35 usft	**Latitude:**	36.295921
From:	Lat/Long	**Easting:**	2,732,266.28 usft	**Longitude:**	-107.802199
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16"	**Grid Convergence:**	0.02 °

Well	ESCRITO M21-2409 02H				
Well Position	**+N/-S** 0.0 usft	**Northing:**	1,926,989.04 usft	**Latitude:**	36.295846
	+E/-W 0.0 usft	**Easting:**	2,732,254.21 usft	**Longitude:**	-107.802240
Position Uncertainty	0.0 usft	**Wellhead Elevation:**	0.0 usft	**Ground Level:**	6,953.0 usft

Wellbore	OH			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	HDGM	7/1/2015	9.20	62.95	49,898

Design	PLAN #1				
Audit Notes:					
Version:		**Phase:**	PLAN	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**	
	0.0	0.0	0.0	269.32	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	
867.5	7.35	178.70	866.5	-23.5	0.5	2.00	2.00	0.00	178.70	
4,698.9	7.35	178.70	4,666.4	-513.6	11.6	0.00	0.00	0.00	0.00	
5,837.3	91.00	269.32	5,377.4	-615.6	-715.8	8.00	7.35	7.96	90.49	ESCRITO M21-2409 I
10,428.0	91.00	269.32	5,297.2	-670.0	-5,305.5	0.00	0.00	0.00	0.00	ESCRITO M21-2409 I

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well ESCRITO M21-2409 02H
Company:	EnCana Oil & Gas (USA) Inc	**TVD Reference:**	KB @ 6969.0usft
Project:	San Juan County, NM	**MD Reference:**	KB @ 6969.0usft
Site:	S21-T24N-R9W	**North Reference:**	True
Well:	ESCRITO M21-2409 02H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft	Build Rate (°/100u	Comments / Formations
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	KOP @ 500' - 9 5/8"
600.0	2.00	178.70	600.0	-1.7	0.0	0.0	2.00	2.00	
700.0	4.00	178.70	699.8	-7.0	0.2	-0.1	2.00	2.00	
800.0	6.00	178.70	799.5	-15.7	0.4	-0.2	2.00	2.00	
867.5	7.35	178.70	866.5	-23.5	0.5	-0.3	2.00	2.00	EOB; INC=7.35°
879.1	7.35	178.70	878.0	-25.0	0.6	-0.3	0.00	0.00	Ojo Alamo Ss.
900.0	7.35	178.70	898.7	-27.7	0.6	-0.3	0.00	0.00	
1,000.0	7.35	178.70	997.9	-40.5	0.9	-0.4	0.00	0.00	
1,094.9	7.35	178.70	1,092.0	-52.6	1.2	-0.6	0.00	0.00	Kirtland Shale
1,100.0	7.35	178.70	1,097.1	-53.3	1.2	-0.6	0.00	0.00	
1,200.0	7.35	178.70	1,196.3	-66.1	1.5	-0.7	0.00	0.00	
1,300.0	7.35	178.70	1,295.4	-78.9	1.8	-0.9	0.00	0.00	
1,397.4	7.35	178.70	1,392.0	-91.3	2.1	-1.0	0.00	0.00	Fruitland Coal
1,400.0	7.35	178.70	1,394.6	-91.6	2.1	-1.0	0.00	0.00	
1,500.0	7.35	178.70	1,493.8	-104.4	2.4	-1.1	0.00	0.00	
1,600.0	7.35	178.70	1,593.0	-117.2	2.7	-1.3	0.00	0.00	
1,675.7	7.35	178.70	1,668.0	-126.9	2.9	-1.4	0.00	0.00	Pictured Cliffs Ss.
1,700.0	7.35	178.70	1,692.2	-130.0	2.9	-1.4	0.00	0.00	
1,800.0	7.35	178.70	1,791.3	-142.8	3.2	-1.5	0.00	0.00	
1,831.0	7.35	178.70	1,822.0	-146.8	3.3	-1.6	0.00	0.00	Lewis Shale
1,900.0	7.35	178.70	1,890.5	-155.6	3.5	-1.7	0.00	0.00	
2,000.0	7.35	178.70	1,989.7	-168.4	3.8	-1.8	0.00	0.00	
2,100.0	7.35	178.70	2,088.9	-181.2	4.1	-2.0	0.00	0.00	
2,200.0	7.35	178.70	2,188.0	-194.0	4.4	-2.1	0.00	0.00	
2,300.0	7.35	178.70	2,287.2	-206.8	4.7	-2.2	0.00	0.00	
2,400.0	7.35	178.70	2,386.4	-219.5	5.0	-2.4	0.00	0.00	
2,500.0	7.35	178.70	2,485.6	-232.3	5.3	-2.5	0.00	0.00	
2,500.5	7.35	178.70	2,486.0	-232.4	5.3	-2.5	0.00	0.00	Cliffhouse Ss.
2,600.0	7.35	178.70	2,584.8	-245.1	5.6	-2.6	0.00	0.00	
2,700.0	7.35	178.70	2,683.9	-257.9	5.8	-2.8	0.00	0.00	
2,800.0	7.35	178.70	2,783.1	-270.7	6.1	-2.9	0.00	0.00	
2,900.0	7.35	178.70	2,882.3	-283.5	6.4	-3.1	0.00	0.00	
3,000.0	7.35	178.70	2,981.5	-296.3	6.7	-3.2	0.00	0.00	
3,100.0	7.35	178.70	3,080.6	-309.1	7.0	-3.3	0.00	0.00	
3,200.0	7.35	178.70	3,179.8	-321.9	7.3	-3.5	0.00	0.00	
3,228.5	7.35	178.70	3,208.1	-325.5	7.4	-3.5	0.00	0.00	Menefee Fn.
3,300.0	7.35	178.70	3,279.0	-334.7	7.6	-3.6	0.00	0.00	
3,400.0	7.35	178.70	3,378.2	-347.4	7.9	-3.8	0.00	0.00	
3,500.0	7.35	178.70	3,477.4	-360.2	8.2	-3.9	0.00	0.00	
3,600.0	7.35	178.70	3,576.5	-373.0	8.5	-4.0	0.00	0.00	
3,700.0	7.35	178.70	3,675.7	-385.8	8.7	-4.2	0.00	0.00	
3,800.0	7.35	178.70	3,774.9	-398.6	9.0	-4.3	0.00	0.00	
3,900.0	7.35	178.70	3,874.1	-411.4	9.3	-4.4	0.00	0.00	
4,000.0	7.35	178.70	3,973.3	-424.2	9.6	-4.6	0.00	0.00	
4,100.0	7.35	178.70	4,072.4	-437.0	9.9	-4.7	0.00	0.00	
4,165.2	7.35	178.70	4,137.1	-445.3	10.1	-4.8	0.00	0.00	Point Lookout Ss.
4,200.0	7.35	178.70	4,171.6	-449.8	10.2	-4.9	0.00	0.00	

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well ESCRITO M21-2409 02H
Company:	EnCana Oil & Gas (USA) Inc	**TVD Reference:**	KB @ 6969.0usft
Project:	San Juan County, NM	**MD Reference:**	KB @ 6969.0usft
Site:	S21-T24N-R9W	**North Reference:**	True
Well:	ESCRITO M21-2409 02H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft	Build Rate (°/100u	Comments / Formations
4,300.0	7.35	178.70	4,270.8	-462.6	10.5	-5.0	0.00	0.00	
4,356.8	7.35	178.70	4,327.1	-469.8	10.6	-5.1	0.00	0.00	Mancos Shale
4,400.0	7.35	178.70	4,370.0	-475.3	10.8	-5.1	0.00	0.00	
4,500.0	7.35	178.70	4,469.1	-488.1	11.1	-5.3	0.00	0.00	
4,600.0	7.35	178.70	4,568.3	-500.9	11.4	-5.4	0.00	0.00	
4,698.9	7.35	178.70	4,666.4	-513.6	11.6	-5.5	0.00	0.00	Start DLS 8.00 TFO 90.49
4,700.0	7.35	179.40	4,667.5	-513.7	11.6	-5.5	8.00	-0.02	
4,800.0	10.87	226.98	4,766.4	-526.6	4.8	1.4	8.00	3.52	
4,900.0	17.59	245.18	4,863.3	-539.4	-15.8	22.2	8.00	6.72	
4,929.8	19.77	248.16	4,891.5	-543.1	-24.6	31.0	8.00	7.33	Mancos Silt
5,000.0	25.06	253.18	4,956.4	-551.8	-49.9	56.4	8.00	7.53	
5,100.0	32.77	257.63	5,043.9	-563.8	-96.7	103.3	8.00	7.71	
5,200.0	40.58	260.53	5,124.0	-575.0	-155.3	162.1	8.00	7.81	
5,212.0	41.52	260.81	5,133.0	-576.2	-163.0	169.9	8.00	7.85	Gallup Fn.
5,300.0	48.45	262.63	5,195.3	-585.1	-224.6	231.5	8.00	7.87	
5,400.0	56.34	264.26	5,256.2	-594.1	-303.2	310.3	8.00	7.89	
5,500.0	64.26	265.62	5,305.7	-601.7	-389.7	396.8	8.00	7.91	
5,600.0	72.18	266.81	5,342.8	-607.8	-482.3	489.5	8.00	7.92	
5,700.0	80.11	267.90	5,366.7	-612.3	-579.2	586.4	8.00	7.93	
5,800.0	88.04	268.94	5,377.1	-615.0	-678.5	685.8	8.00	7.93	
5,837.3	91.00	269.32	5,377.4	-615.6	-715.8	723.1	7.99	7.93	LP @ 5377' TVD; 91° - 7" ICP
5,900.0	91.00	269.32	5,376.3	-616.3	-778.5	785.8	0.00	0.00	
6,000.0	91.00	269.32	5,374.5	-617.5	-878.5	885.8	0.00	0.00	
6,100.0	91.00	269.32	5,372.8	-618.7	-978.5	985.7	0.00	0.00	
6,200.0	91.00	269.32	5,371.0	-619.9	-1,078.4	1,085.7	0.00	0.00	
6,300.0	91.00	269.32	5,369.3	-621.1	-1,178.4	1,185.7	0.00	0.00	
6,400.0	91.00	269.32	5,367.5	-622.2	-1,278.4	1,285.7	0.00	0.00	
6,500.0	91.00	269.32	5,365.8	-623.4	-1,378.4	1,385.7	0.00	0.00	
6,600.0	91.00	269.32	5,364.1	-624.6	-1,478.4	1,485.7	0.00	0.00	
6,700.0	91.00	269.32	5,362.3	-625.8	-1,578.3	1,585.6	0.00	0.00	
6,800.0	91.00	269.32	5,360.6	-627.0	-1,678.3	1,685.6	0.00	0.00	
6,900.0	91.00	269.32	5,358.8	-628.2	-1,778.3	1,785.6	0.00	0.00	
7,000.0	91.00	269.32	5,357.1	-629.4	-1,878.3	1,885.6	0.00	0.00	
7,100.0	91.00	269.32	5,355.3	-630.5	-1,978.2	1,985.6	0.00	0.00	
7,200.0	91.00	269.32	5,353.6	-631.7	-2,078.2	2,085.6	0.00	0.00	
7,300.0	91.00	269.32	5,351.8	-632.9	-2,178.2	2,185.6	0.00	0.00	
7,400.0	91.00	269.32	5,350.1	-634.1	-2,278.2	2,285.5	0.00	0.00	
7,500.0	91.00	269.32	5,348.4	-635.3	-2,378.2	2,385.5	0.00	0.00	
7,600.0	91.00	269.32	5,346.6	-636.5	-2,478.1	2,485.5	0.00	0.00	
7,700.0	91.00	269.32	5,344.9	-637.7	-2,578.1	2,585.5	0.00	0.00	
7,800.0	91.00	269.32	5,343.1	-638.9	-2,678.1	2,685.5	0.00	0.00	
7,900.0	91.00	269.32	5,341.4	-640.0	-2,778.1	2,785.5	0.00	0.00	
8,000.0	91.00	269.32	5,339.6	-641.2	-2,878.0	2,885.4	0.00	0.00	
8,100.0	91.00	269.32	5,337.9	-642.4	-2,978.0	2,985.4	0.00	0.00	
8,200.0	91.00	269.32	5,336.1	-643.6	-3,078.0	3,085.4	0.00	0.00	
8,300.0	91.00	269.32	5,334.4	-644.8	-3,178.0	3,185.4	0.00	0.00	
8,400.0	91.00	269.32	5,332.6	-646.0	-3,278.0	3,285.4	0.00	0.00	
8,500.0	91.00	269.32	5,330.9	-647.2	-3,377.9	3,385.4	0.00	0.00	
8,600.0	91.00	269.32	5,329.2	-648.3	-3,477.9	3,485.4	0.00	0.00	
8,700.0	91.00	269.32	5,327.4	-649.5	-3,577.9	3,585.3	0.00	0.00	
8,800.0	91.00	269.32	5,325.7	-650.7	-3,677.9	3,685.3	0.00	0.00	
8,900.0	91.00	269.32	5,323.9	-651.9	-3,777.8	3,785.3	0.00	0.00	

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well ESCRITO M21-2409 02H
Company:	EnCana Oil & Gas (USA) Inc	**TVD Reference:**	KB @ 6969.0usft
Project:	San Juan County, NM	**MD Reference:**	KB @ 6969.0usft
Site:	S21-T24N-R9W	**North Reference:**	True
Well:	ESCRITO M21-2409 02H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft	Build Rate (°/100u	Comments / Formations
9,000.0	91.00	269.32	5,322.2	-653.1	-3,877.8	3,885.3	0.00	0.00	
9,100.0	91.00	269.32	5,320.4	-654.3	-3,977.8	3,985.3	0.00	0.00	
9,200.0	91.00	269.32	5,318.7	-655.5	-4,077.8	4,085.3	0.00	0.00	
9,300.0	91.00	269.32	5,316.9	-656.7	-4,177.8	4,185.2	0.00	0.00	
9,400.0	91.00	269.32	5,315.2	-657.8	-4,277.7	4,285.2	0.00	0.00	
9,500.0	91.00	269.32	5,313.4	-659.0	-4,377.7	4,385.2	0.00	0.00	
9,600.0	91.00	269.32	5,311.7	-660.2	-4,477.7	4,485.2	0.00	0.00	
9,700.0	91.00	269.32	5,310.0	-661.4	-4,577.7	4,585.2	0.00	0.00	
9,800.0	91.00	269.32	5,308.2	-662.6	-4,677.6	4,685.2	0.00	0.00	
9,900.0	91.00	269.32	5,306.5	-663.8	-4,777.6	4,785.2	0.00	0.00	
10,000.0	91.00	269.32	5,304.7	-665.0	-4,877.6	4,885.1	0.00	0.00	
10,100.0	91.00	269.32	5,303.0	-666.1	-4,977.6	4,985.1	0.00	0.00	
10,200.0	91.00	269.32	5,301.2	-667.3	-5,077.6	5,085.1	0.00	0.00	
10,300.0	91.00	269.32	5,299.5	-668.5	-5,177.5	5,185.1	0.00	0.00	
10,400.0	91.00	269.32	5,297.7	-669.7	-5,277.5	5,285.1	0.00	0.00	
10,428.0	91.00	269.32	5,297.2	-670.0	-5,305.5	5,313.1	0.00	0.00	TD at 10428.0

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
ESCRITO M21-2409 02I - plan hits target center - Point	0.00	0.00	5,297.2	-670.0	-5,305.5	1,926,317.30	2,726,948.90	36.294004	-107.820244
ESCRITO M21-2409 02I - plan hits target center - Point	0.00	0.00	5,377.4	-615.6	-715.8	1,926,373.25	2,731,538.62	36.294155	-107.804669

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
500.0	500.0	9 5/8"	0	0
5,837.3	5,377.4	7" ICP	0	0

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well ESCRITO M21-2409 02H
Company:	EnCana Oil & Gas (USA) Inc	**TVD Reference:**	KB @ 6969.0usft
Project:	San Juan County, NM	**MD Reference:**	KB @ 6969.0usft
Site:	S21-T24N-R9W	**North Reference:**	True
Well:	ESCRITO M21-2409 02H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
879.1	878.0	Ojo Alamo Ss.		-1.00	269.32
1,094.9	1,092.0	Kirtland Shale		-1.00	269.32
1,397.4	1,392.0	Fruitland Coal		-1.00	269.32
1,675.7	1,668.0	Pictured Cliffs Ss.		-1.00	269.32
1,831.0	1,822.0	Lewis Shale		-1.00	269.32
2,500.5	2,486.0	Cliffhouse Ss.		-1.00	269.32
3,228.5	3,208.0	Menefee Fn.		-1.00	269.32
4,165.2	4,137.0	Point Lookout Ss.		-1.00	269.32
4,356.8	4,327.0	Mancos Shale		-1.00	269.32
4,929.8	4,892.0	Mancos Silt		-1.00	269.32
5,212.0	5,136.0	Gallup Fn.		-1.00	269.32

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
500.0	500.0	0.0	0.0	KOP @ 500'
867.5	866.5	-23.5	0.5	EOB; INC=7.35°
4,698.9	4,666.4	-513.6	11.6	Start DLS 8.00 TFO 90.49
5,837.3	5,377.4	-615.6	-715.8	LP @ 5377' TVD; 91°
10,428.0	5,297.2	-670.0	-5,305.5	TD at 10428.0

Any trees smaller than 3-inches in diameter, slash and brush will be chipped, shredded or mulched and incorporated into the topsoil for later use in interim reclamation.

Remaining brush will be brush-hogged or scalped at ground-level prior to ground disturbance.

2. After removal of vegetation, topsoil will be segregated and windrowed on the edge of the well pad in the construction zone. Topsoil will be defined as the top six (6) inches of soil. The stockpiled topsoil will be free of brush and tree limbs, trunks and root balls, but may include chipped or mulched material so long as it is incorporated into the topsoil stockpile.

   Topsoil will be stockpiled separate from subsoil with a noticeable gap left between the stockpiles. Vehicle/equipment traffic will be prevented from crossing topsoil stockpiles.

   Topsoil will not be stripped when soils are moisture-saturated or frozen below the stripping depth.

   If the location becomes prone to wind or water erosion, Encana will take appropriate measures to prevent topsoil loss from wind. Such measures may include using tackifiers or water to wet the topsoil stockpile so that a crust is created across the exposed soil to prevent soil loss.

3. All construction materials for the well pad will consist of native borrow and subsoil accumulated during well pad construction. If additional fill or surfacing material is required, it will be obtained from existing permitted or private sources and will be hauled in by trucks over existing access roads.

   The maximum cut will be approximately 18.9 feet on corner 3 and the maximum fill will be approximately 13.5 feet between corners 2 and 6.

4. As determined during the onsite on April 1, 2015, the following best management practices will be implemented:
   a. Water will be diverted around the pad and from corner 3 toward corner 5 and from corner 3 toward corner 2.
   b. Construct a silt trap in the EOD at corner 2.

5. Construction equipment may include chain saws, a brush hog, scraper, maintainer, excavator, and dozer. Construction for the access road and well pad will take approximately 2 to 4 weeks.

C. Pipeline

See the Plan of Development submitted with the final modifications to the Standard SF-299 Application for authorization to construct, maintain and terminate a 6,381 foot, up to 6-inch outside diameter, buried steel well connect pipeline that was submitted to the BLM concurrently with the APD.

7. METHODS FOR HANDLING WASTE

A. Cuttings

1. A closed-loop system will be used. Cuttings will be moved through a shaker system on the drill rig that separates drilling fluids from the cuttings. Cuttings will be stored onsite in above-ground storage tanks. Cuttings will be pulled from the storage tanks, mixed with saw dust or similar absorbent material, and disposed of at the Envirotech, Inc. and/or Industrial Ecosystem, Inc. waste disposal facilities.

ENCANA OIL & GAS (USA) INC.

ESCRITO M21-2409 #02H
1272' FSL & 384' FWL
LOCATED IN THE SW/4 SW/4 OF SECTION 21, T24N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

1) FROM THE INTERSECTION OF HWY 64 & HWY 550 IN BLOOMFIELD, TRAVEL SOUTH FOR 32.0 MILES. (M.P. 119.6).
2) TURN RIGHT ON DIRT ROAD AND GO 0.9 MILES TO WHERE ACCESS IS STAKED ON RIGHT SIDE OF ROAD.

WELL FLAG LOCATED AT LAT. 36.295846° N, LONG.107.802240° W (NAD 83).

JOB No.: ENC216
DATE: 09/13/2014
DRAWN BY: TWT

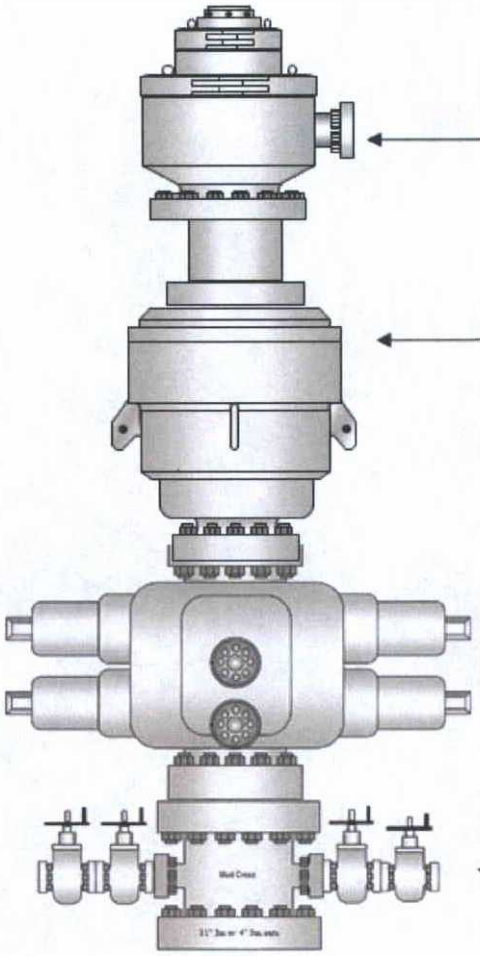
Sheet C

Scorpion Survey & Consulting, L.L.C
302 S. Ash
Aztec, New Mexico 87410
(505) 334-4007

WELLHEAD BLOWOUT CONTROL SYSTEM

encana

Well Name and Number:
Escrito M21-2409 02H



11" 3K Rotating Head

11" 3K Annular

3K Double Ram
Top: Pipe Ram
Bottom: Blind Ram
3" Outlets Below Ram

3K Mud Cross 3" gate valves