State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez Governor

David Martin Cabinet Secretary David R. Catanach Division Director Oil Conservation Division



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

NMOCD Approved by Signature

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.

to the actions approved by BLM on the following 3160-3 APD form.
Operator Signature Date: 1-28-16 Well information; Operator Encona, Well Name and Number Gallo Canyon Unit #210 H API#30-043-21283, Section 27, Township 23 NS, Range 06 EW
API#30-043-21283, Section 27, Township 23 NS, Range 06 EW
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
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.

OIL CONS. DIV DIST. 3

MAR 0 3 2016

RECEIVED

Form 3160-3 (June 2015)

JAN 29 2016

FORM APPROVED OMB No. 1004-0137 Expires: January 31, 2018

UNITED STATES

DEPARTMENT OF THE I BUREAU OF LAND MAN		mington Fiel	d Office	Lease Serial No. NMNM 118128 (POE)		
APPLICATION FOR PERMIT TO D	RILL OR RE	ENTER ^{d Ma}	anageme	6. If Indian, Allotee or T N/A	ribe Name	
1a. Type of work: ✓ DRILL R	7. If Unit or CA Agreement, Name and No. NMNM 131017X					
1b. Type of Well: ✓ Oil Well ☐ Gas Well ☐ O 1c. Type of Completion: ✓ Hydraulic Fracturing ☐ S	8. Lease Name and Well Gallo Canyon Unit 210					
Name of Operator Encana Oil & Gas (USA) Inc.				9. API Well No.	-21283	
3a. Address 370 17th Street, Suite 1700 Denver, CO 80202	3b. Phone No. (ii 720-876-3533	nclude area cod	le)	10. Field and Pool, or E. Counselors Gallup-Da	xploratory	
 Location of Well (Report location clearly and in accordance At surface 961' FSL and 182' FWL Section 27, T23N, At proposed prod. zone 330' FSL and 1480' FWL Section 	R6W			11. Sec., T. R. M. or Blk Section 27, T23N, R60		
14. Distance in miles and direction from nearest town or post off +/- 55.8 miles southeast of the intersection of US Hwy 550		Bloomfield, N	М	12. County or Parish Sandoval	13. State NM	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any) BHL is 330' from south lease line in Section 35	16. No of acres i NMNM 131017			ng Unit dedicated to this veres- Sections 22-26, 34		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 209H	19. Proposed De 5,373' TVD, 12		20. BLM/ COB-000	M/BIA Bond No. in file 00235		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7,139', KB 7,155' GL	22. Approximate date work will start* 06/01/2016			23. Estimated duration 20 days		
	24. Attachme	ents		737	Ster to the	
The following, completed in accordance with the requirements o (as applicable) 1. Well plat certified by a registered surveyor. 2. A Drilling Plan. 3. A Surface Use Plan (if the location is on National Forest Syste SUPO must be filed with the appropriate Forest Service Office	m Lands, the 5.	Bond to cover th Item 20 above). Operator certific	ne operation	s unless covered by an exi	isting bond on file (see	
25. Signature Haw Men	Name (Pri	nted/Typed) ner		Da	1/28/16	
Regulatory Analyst					A 20 30 30 50 50 50 50 50 50 50 50 50 50 50 50 50	
Approved by Signature Mariles a		nted/Typed)		Da	29/16	
Title Registatory Analyst At u	Office	FF	ó			
Application approval does not warrant or certify that the applicant applicant to conduct operations thereon. Conditions of approval, if any, are attached.	nt holds legal or eq	uitable title to th	hose rights	in the subject lease which	would entitle the	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 in	nake it a crime for	any person know	wingly 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.

DISTRICT |
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
611 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 67505 Phone: (505) 476-3460 Fax: (505) 476-3462 State of New Mexico Energy, Minerals & Natural Resources Department Form C-102 Revised August 1, 2011

Submit one copy to appropriate District Office

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-043-21283	Pool Code 13379	Pool Name COUNSELOR GALLUP-DAKOTA
'Property Code 313261 3 15083	⁶ Property Name GALLO CANYON UNIT	*Well Number 210H
OGRID No. 282327	*Operator Name ENCANA OIL & GAS (USA) INC.	° Elevation 7139°

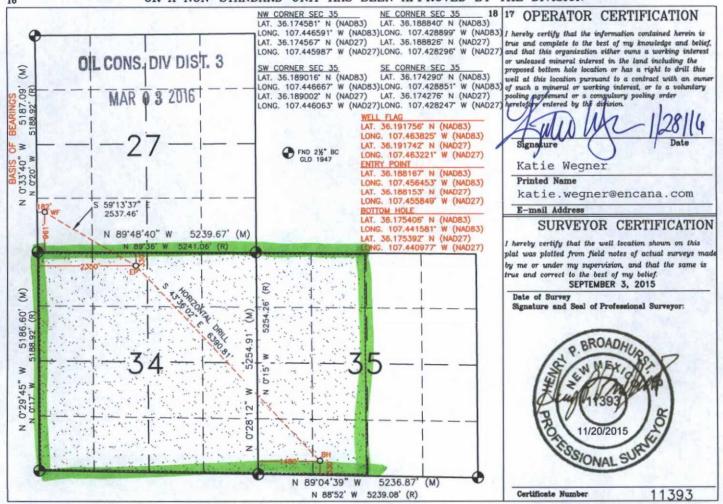
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
М	27	23N	6W	-194	961'	SOUTH	182'	WEST	SANDOVAL

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section 35	Township 23N	Range 6W	Lot Idn	Feet from the 330'	North/South line SOUTH	Feet from the 1480'	East/West line WEST	County
ALL Sec.	34 - 640 A . 35 - 320	Inits; Acres; Acres	19 Joint or	Infill	¹⁴ Consolidation C	Code	¹⁸ Order No. R-13718-A	- 5,120 ACRES	COMMITTED

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



SHL: SW/4 SW/4 Sec 27 T23N R6W, 961' FSL, 182' FWL BHL: SE/4 SW/4 Sec 35 T23N R6W, 330' FSL, 1480' FWL

Sandoval, New Mexico

Lease Number: NMNM 118128 (NMNM 131107X)

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.	1,514
Kirtland Shale	1,663
Fruitland Coal	1,826
Pictured Cliffs Ss.	2,068
Lewis Shale	2,196
Cliffhouse Ss.	2,787
Menefee Fn.	3,618
Point Lookout Ss.	4,332
Mancos Shale	4,500
Mancos Silt	5,120
Gallup Fn.	5,370
Base Gallup	5,674

The referenced surface elevation is 7139', KB 7155'

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

Substance	Formation	Depth (TVD) units = feet
Water/Gas	Fruitland Coal	1,826
Oil/Gas	Pictured Cliffs Ss.	2,068
Oil/Gas	Cliffhouse Ss.	2,787
Gas	Menefee Fn.	3,618
Oil/Gas	Point Lookout Ss.	4,332
Oil/Gas	Mancos Shale	4,500
Oil/Gas	Mancos Silt	5,120
Oil/Gas	Gallup Fn.	5,370

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

SHL: SW/4 SW/4 Sec 27 T23N R6W, 961' FSL, 182' FWL BHL: SE/4 SW/4 Sec 35 T23N R6W, 330' FSL, 1480' FWL

Sandoval, New Mexico

Lease Number: NMNM 118128 (NMNM 131107X)

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.
- i) 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).
- I) 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#	计二国际上 高位
Surface	0'-500'	12 1/4"	9 5/8"	36#	J55, STC New
Intermediate	0'-6224'	8 3/4"	7"	26#	J55, LTC New
Production Liner	6124'-12615'	6 1/8"	4 1/2"	11.6#	B80*, LTC New

Casing String			Casing Strength Properties			Minimum Design Factors			
Size	Weight (ppf)	Grade	Connectio n	Collapse (psi)	Burst (psi)	Tensile (1000lbs)	Collapse	Burst	Tensio n
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.

SHL: SW/4 SW/4 Sec 27 T23N R6W, 961' FSL, 182' FWL BHL: SE/4 SW/4 Sec 35 T23N R6W, 330' FSL, 1480' FWL

Sandoval, New Mexico

Lease Number: NMNM 118128 (NMNM 131107X)

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'-6224'	100% open hole excess Stage 1 Lead: 584 sks Stage 1 Tail: 438 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	6124'- 12615'	50% OH excess Stage 1 Blend Total: 364sks	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 600'. Directional plans are attached.

Description	Proposed Depth (TVD/MD)	Formation
Horizontal Lateral TD	5373'/12615'	Gallup

SHL: SW/4 SW/4 Sec 27 T23N R6W, 961' FSL, 182' FWL BHL: SE/4 SW/4 Sec 35 T23N R6W, 330' FSL, 1480' FWL

Sandoval, New Mexico

Lease Number: NMNM 118128 (NMNM 131107X)

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'-5418'/6224	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"	5418'/6224'- 5373'/12615'	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 +/- 2544 psi based on a 9.0 ppg at 5435' TVD of the horizontal lateral target. No abnormal pressure or temperatures are anticipated.

No hydrogen sulfide gas is anticipated, however, if H₂S 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 June 1, 2016. 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.

county: Sand		23N R6W, 961' FSL, 182' F	WL E	Encana	ıc.		ENG: 0 RIG: Unassigned GLE: 7139 RKBE: 7155	1/28/16
MWD	OPEN HOLE		DEPTH		HOLI	CASING	MW	DEVIATION
LWD	LOGGING	FORM	TVD	MD	SIZE	SPECS	MUD TYPE	INFORMATION
			60	60'	26	16" 42.09# 100sx Type I Neat 16.0ppg cmt	Fresh wtr 8.3-9.2	THE PERSON
Multi-Well pad - take survey every stand and run anti- collision report prior to spud	None	San Jose Fn. Nacimiento Fn. 9 5/8" Csg	surface	500.00	12 1/	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	No OH logs	Ojo Alamo Ss. Kirtland Shale Fruitland Coal Pictured Cliffs Ss. Lewis Shale Cliffhouse Ss. Menefee Fn.	1,514 1,663 1,826 2,068 2,196 2,787 3,618		8 3/4	7" 26ppf J55 LTC TOC @ surface (100% OH excess - 70% Lead 30% Tail) Stage 1 Total: 1022sks	Fresh Wtr 8.3-10	Vertical <1°
operations and contact drilling engineer if separation factor approaches 1.5	Mud logger	Point Lookout Ss. Mancos Shale	4,332 4,500	600		Stage 1 Lead: 584 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: 438 sks Type III Cement +		
Surveys every 30' through the curve		Mancos Silt Gallup Fn.	5,120 5,370			1% CaCl2 + 0.25#/sk Cello Flake + 0.2% FL-52A. Mixed at 14.6 ppg: Yield 1.38 cuft/sk.		
7107	100			6,224'			481	1 C M
Surveys every		7" Csg Horizontal Target	5,418	0,224	6 1/1	B 100' overlap at liner top		Horz Inc/TVD 90.4deg/5435ft
stand to TD unless	65.	TD	5,373	12,615	/_	6392' Drilled Lateral		TD = 12615.4 MD
directed otherwise by Geologist	No OH Logs	Base Gallup	5,674			4 1/2" 11.6ppf SB80 LTC TOC @ hanger (50% OH excess)	WBM 8.3-10	
MWD Gamma Directional						Stage 1 Total: 364sks Stage 1 Blend: 364 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 cutl/sk.		

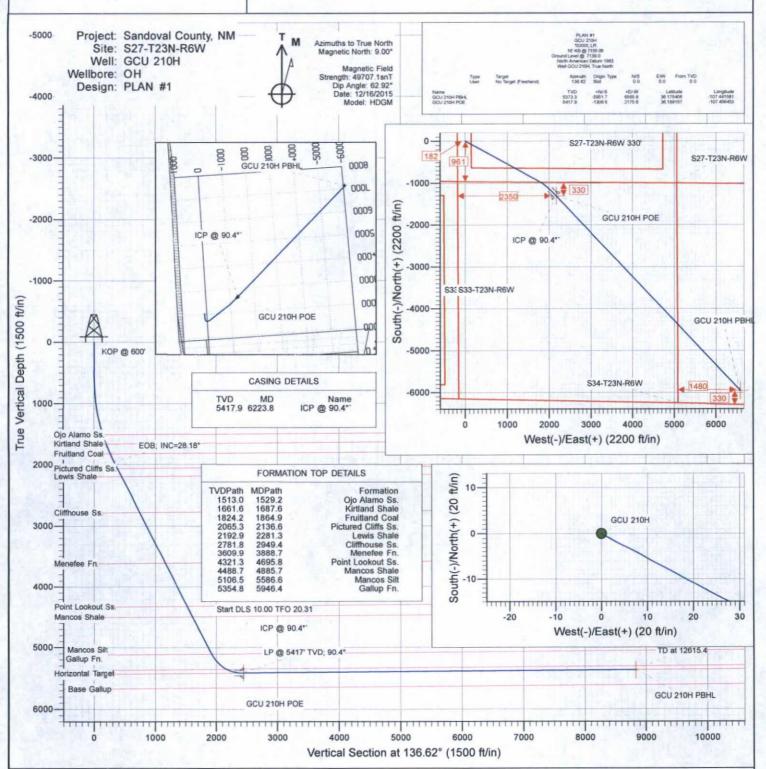
NOTES:

- 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 600', 8 3/4 inch holesize
- 5) Start curve at 10deg/100' build rate
- 6) Drill to csg point of 6224' MD 7) R&C 7" csg, circ cmt to surface
- 8) Land at ~55 deg, drill lateral to 12615' run 4 1/2 inch cemented liner



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dieg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	2008.8	28.18	118.48	1952.7	-161.9	298.4	2.00	118.48	322.6	
4	5586.5	28.18	118.48	5106.4	-967.5	1783.2	0.00	0.00	1927.9	
5	6223.8	90.40	136.62	5417.9	-1306.6	2175.6	10.00	20.31	2443.9	GCU 210H POE
6	12615.4	90.40	136.62	5373.3	-5951.7	6565.8	0.00	0.00	8835.4	GCU 210H PBHL





CATHEDRAL

7139.0

+N/-S +E/-W Northing Easting 0.0 0.0 1891309.22 1282254.10

Latittude Longitude 36.191756 -107.463825

Database: USA EDM 5000 Multi Users DB Company: EnCana Oil & Gas (USA) Inc. Project: Sandoval County, NM S27-T23N-R6W Site:

GCU 210H Well: Wellbore: OH PLAN #1 Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference:

Survey Calculation Method:

1,890,314.91 ft

Well GCU 210H

16' KB @ 7155.0ft 16' KB @ 7155.0ft

True

Minimum Curvature

Project Sandoval County, NM

Map System: Geo Datum:

Map Zone:

US State Plane 1983 North American Datum 1983 New Mexico Central Zone

System Datum:

Mean Sea Level

Site S27-T23N-R6W

Northing: Site Position: From: Lat/Long Easting:

1,285,261.84 ft

Longitude:

Latitude:

36.189128 -107.453592

0.0 ft -0.71° **Position Uncertainty:** Slot Radius: 13.200 in **Grid Convergence:**

GCU 210H Well

+N/-S **Well Position** 0.0 ft +E/-W 0.0 ft Northing: Easting:

0.0

1,891,309.22 ft 1,282,254.10 ft

0.0

Latitude: Longitude:

36.191756 -107.463825

0.0 ft Ground Level: 7,139,0 ft **Position Uncertainty** Wellhead Elevation: 0.0 ft

Wellbore ОН Declination Dip Angle Field Strength Magnetics **Model Name** Sample Date (nT) (°) (°) 62.92 49,707 **HDGM** 12/16/2015 9.00

PLAN #1 Design **Audit Notes:** PLAN 0.0 Version: Tie On Depth: Phase: **Vertical Section:** Depth From (TVD) +N/-S +E/-W Direction (ft) (ft) (ft) (°) 136.62

0.0

lan 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	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,008.8	28.18	118.48	1,952.7	-161.9	298.4	2.00	2.00	0.00	118.48	
5,586.5	28.18	118.48	5,106.4	-967.5	1,783.2	0.00	0.00	0.00	0.00	
6,223.8	90.40	136.62	5,417.9	-1,306.6	2,175.6	10.00	9.76	2.85	20.31	GCU 210H POE
12,615.4	90.40	136.62	5,373.3	-5,951.7	6,565.8	0.00	0.00	0.00	0.00	GCU 210H PBHL

Database: Company: Project: USA EDM 5000 Multi Users DB EnCana Oil & Gas (USA) Inc Sandoval County, NM

 Site:
 \$27-T23N-R6W

 Well:
 GCU 210H

 Wellbore:
 OH

 Design:
 PLAN #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well GCU 210H 16' KB @ 7155.0ft 16' KB @ 7155.0ft

True

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	ACCORDING TO SECURITY.
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		0.0	0.0	0.00	0.00	
300.0	0.00	0.00		0.0					
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	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00		KOP @ 600'
700.0	2.00	118.48	700.0	-0.8	1.5	1.7	2.00	2.00	
800.0	4.00	118.48	799.8	-3.3	6.1	6.6	2.00	2.00	
900.0	6.00	118.48	899.5	-7.5	13.8	14.9	2.00	2.00	
1,000.0	8.00	118.48	998.7	-13.3	24.5	26.5	2.00	2.00	
1,100.0	10.00	118.48	1,097.5	-20.8	38.3	41.4	2.00	2.00	
1,200.0	12.00	118.48	1,195.6	-29.9	55.0	59.5	2.00	2.00	
1,300.0	14.00	118.48	1,293.1	-40.6	74.8	80.9	2.00	2.00	
1,400.0	16.00	118.48	1,389.6	-52.9	97.5	105.5	2.00	2.00	
1,500.0	18.00	118.48	1,485.3	-66.9	123.2	133.2	2.00	2.00	
1,529.2	18.58	118.48	1,513.0	-71.2	131.3	142.0	2.00	2.00	Ojo Alamo Ss.
1,600.0	20.00	118.48	1,579.8	-82.4	151.9	164.2	2.00	2.00	
1,687.6	21.75	118.48	1,661.6	-97.3	179.3	193.8	2.00	2.00	Kirtland Shale
1,700.0	22.00	118.48	1,673.2	-99.5	183.4	198.2	2.00	2.00	
1,800.0	24.00	118.48	1,765.2	-118.1	217.7	235.4	2.00	2.00	
1,864.9	25.30	118.48	1,824.2	-131.0	241.5	261.1	2.00	2.00	Fruitland Coal
1,900.0	26.00	118.48	1,855.8	-138.3	254.8	275.5	2.00	2.00	
2,000.0	28.00	118.48	1,944.9	-159.9	294.7	318.7	2.00	2.00	
2,008.8	28.18	118.48	1,952.7	-161.9	298.4	322.6	2.00		EOB; INC=28.18°
2,100.0	28.18	118.48	2,033.1	-182.4	336.2	363.5	0.00	0.00	
2,136.6	28.18	118.48	2,065.3	-190.7	351.4	379.9	0.00		Pictured Cliffs Ss.
2,200.0	28.18	118.48	2,121.2	-204.9	377.7	408.4	0.00	0.00	
2,281.3	28.18	118.48	2,192.9	-223.3	411.5	444.9	0.00	0.00	Lewis Shale
2,300.0	28.18	118.48	2,209.4	-227.5	419.2	453.3	0.00	0.00	
2,400.0	28.18	118.48	2,297.5	-250.0	460.7	498.1	0.00	0.00	
2,500.0	28.18	118.48	2,385.7	-272.5	502.2	543.0	0.00	0.00	
2,600.0	28.18	118.48	2,473.8	-295.0	543.7	587.9	0.00	0.00	
2,700.0	28.18	118.48	2,562.0	-317.5	585.2	632.8	0.00	0.00	
2,800.0	28.18	118.48	2,650.1	-340.1	626.7	677.6	0.00	0.00	
2,900.0	28.18	118.48	2,738.3	-362.6	668.3	722.5	0.00	0.00	
2,900.0	28.18	118.48	2,781.8	-362.6	688.7	744.6	0.00	0.00	Cliffhouse Ss.
3,000.0	28.18	118.48	2,826.4	-373.7	709.8	767.4	0.00	0.00	Cililiouse US.
3,100.0	28.18	118.48	2,914.6	-407.6	751.3	812.2	0.00	0.00	
3,200.0	28.18	118.48	3,002.8	-430.1	792.8	857.1	0.00	0.00	
3,300.0	28.18	118.48	3,090.9	-452.6	834.3	902.0	0.00	0.00	
3,400.0	28.18	118.48	3,179.1	-475.2	875.8	946.9	0.00	0.00	
3,500.0	28.18	118.48	3,267.2	-497.7	917.3	991.7	0.00	0.00	
3,600.0	28.18	118.48	3,355.4	-520.2	958.8	1,036.6	0.00	0.00	
3,700.0	28.18	118.48	3,443.5	-542.7	1,000.3	1,081.5	0.00	0.00	
3,800.0	28.18	118.48	3,531.7	-565.2	1,041.8	1,126.3	0.00	0.00	
3,888.7	28.18	118.48	3,609.9	-585.2	1,078.6	1,166.2	0.00		Menefee Fn.
3,900.0	28.18	118.48	3,619.8	-587.7	1,083.3	1,171.2	0.00	0.00	
4,000.0	28.18	118.48	3,708.0	-610.3	1,124.8	1,216.1	0.00	0.00	
4,100.0	28.18	118.48	3,796.1	-632.8	1,166.3	1,261.0	0.00	0.00	
4,200.0	28.18	118.48	3,884.3	-655.3	1,207.8	1,305.8	0.00	0.00	
4,300.0	28.18	118.48	3,972.4	-677.8	1,249.3	1,350.7	0.00	0.00	

Database: Company: Project: USA EDM 5000 Multi Users DB EnCana Oil & Gas (USA) Inc Sandoval County, NM

 Site:
 S27-T23N-R6W

 Well:
 GCU 210H

 Wellbore:
 OH

 Design:
 PLAN #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well GCU 210H 16' KB @ 7155.0ft 16' KB @ 7155.0ft

True

Measured			Vertical			Vertical	Dogleg	Build	Comments /
Depth (ft)	Inclination (°)	Azimuth	Depth (ft)	+N/-S (ft)	+E/-W (ft)	Section (ft)	Rate (°/100ft)	Rate (°/100ft)	Formations
4 400 0		-				ALC: THE	0.00	0.00	SUBSTRUCTURE STRUCTURE STRUCTURE
4,400.0	28.18	118.48	4,060.6	-700.3	1,290.8	1,395.6	0.00	0.00	
4,500.0 4,600.0	28.18	118.48	4,148.7	-722.9	1,332.3	1,440.4	0.00	0.00	
4,600.0	28.18	118.48	4,236.9	-745.4	1,373.8	1,485.3	0.00	0.00	
4,695.8	28.18	118.48	4,321.3	-767.0	1,413.6	1,528.3	0.00		Point Lookout Ss.
4,700.0	28.18	118.48	4,325.0	-767.9	1,415.3	1,530.2	0.00	0.00	
4,800.0	28.18	118.48	4,413.2	-790.4	1,456.8	1,575.1	0.00	0.00	
4,885.7	28.18	118.48	4,488.7	-809.7	1,492.4	1,613.5	0.00	0.00	Mancos Shale
4,900.0	28.18	118.48	4,501.3	-812.9	1,498.3	1,619.9	0.00	0.00	
5,000.0	28.18	118.48	4,589.5	-835.4	1,539.8	1,664.8	0.00	0.00	
5,100.0	28.18	118.48	4,677.6	-858.0	1,581.3	1,709.7	0.00	0.00	
5,200.0	28.18	118.48	4,765.8	-880.5	1,622.8	1,754.5	0.00	0.00	
5,300.0	28.18	118.48	4,853.9	-903.0	1,664.3	1,799.4	0.00	0.00	
5,400.0	28.18	118.48	4,942.1	-925.5	1,705.8	1,844.3	0.00	0.00	
5,500.0	28.18	118.48	5,030.2	-948.0	1,747.3	1,889.2	0.00	0.00	
5,586.5	28.18	118.48	5,106.4	-967.5	1,783.2	1,927.9	0.00		Start DLS 10.00 TFO 20.31
5,586.6	28.18	118.48	5,106.5	-967.5	1,783.2	1,928.0	0.00		Mancos Silt
5,600.0	29.45	119.44	5,118.3	-970.7	1,788.9	1,934.2	10.10	9.50	
5,700.0	39.01	124.72	5,200.9	-1,000.7	1,836.3	1,988.6	10.00	9.56	
5,800.0	48.72	128.16	5,272.9	-1,042.0	1,891.8	2,056.7	10.00	9.71	
5,900.0	58.51	130.71	5,332.2	-1,093.1	1,953.9	2,136.5	10.00	9.79	
5,946.4	63.07	131.71	5,354.8	-1,119.8	1,984.3	2,176.8	10.00		Gallup Fn.
6,000.0	68.34	132.77	5,376.9	-1,152.7	2,020.5	2,225.5	10.00	9.84	
6,100.0	78.19	134.56	5,405.6	-1,218.7	2,089.6	2,321.0	10.00	9.85	
6,200.0	88.05	136.23	5,417.6	-1,289.3	2,159.3	2,420.1	10.00	9.86	
6,223.8	90.40	136.62	5,417.9	-1,306.6	2,175.7	2,443.9	9.99		LP @ 5417' TVD; 90.4° - ICP @ 90.4°
6,300.0	90.40	136.62	5,417.4	-1,361.9	2,228.0	2,520.1	0.00	0.00	S - 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
6,400.0	90.40	136.62	5,416.7	-1,434.6	2,296.7	2,620.1	0.00	0.00	
6,500.0	90.40	136.62	5,416.0	-1,507.3	2,365.4	2,720.1	0.00	0.00	
6,600.0	90.40	136.62	5,415.3	-1,580.0	2,434.1	2,820.1	0.00	0.00	
6,700.0	90.40	136.62	5,414.6	-1,652.6	2,502.7	2,920.1	0.00	0.00	
6,800.0	90.40	136.62	5,413.9	-1,725.3	2,571.4	3,020.1	0.00	0.00	
6,900.0	90.40	136.62	5,413.2	-1,798.0	2,640.1	3,120.1	0.00	0.00	
7,000.0	90.40	136.62	5,412.5	-1,870.7	2,708.8	3,220.1	0.00	0.00	
7,100.0	90.40	136.62	5,411.8	-1,943.4	2,777.5	3,320.1	0.00	0.00	
7,200.0	90.40	136.62	5,411.1	-2,016.0	2,846.2	3,420.1	0.00	0.00	
7,300.0	90.40	136.62	5,410.4	-2,088.7	2,914.9	3,520.1	0.00	0.00	
7,400.0	90.40	136.62	5,409.7	-2,161.4	2,983.5	3,620.1	0.00	0.00	
7,500.0	90.40	136.62	5,409.0	-2,234.1	3,052.2	3,720.1	0.00	0.00	
7,600.0	90.40	136.62	5,408.3	-2,306.7	3,120.9	3,820.1	0.00	0.00	
7,700.0	90.40	136.62	5,407.6	-2,379.4	3,189.6	3,920.1	0.00	0.00	
7,800.0	90.40	136.62	5,406.9	-2,452.1	3,258.3	4,020.1	0.00	0.00	
7,900.0	90.40	136.62	5,406.2	-2,524.8	3,327.0	4,120.1	0.00	0.00	
8,000.0	90.40	136.62	5,405.5	-2,597.4	3,395.7	4,220.1	0.00	0.00	
8,100.0	90.40	136.62	5,404.8	-2,670.1	3,464.3	4,320.1	0.00	0.00	
8,200.0	90.40	136.62	5,404.1	-2,742.8	3,533.0	4,420.1	0.00	0.00	
8,300.0	90.40	136.62	5,403.4	-2,815.5	3,601.7	4,520.1	0.00	0.00	
8,400.0 8,500.0	90.40 90.40	136.62 136.62	5,402.7 5,402.0	-2,888.1 -2,960.8	3,670.4 3,739.1	4,620.1 4,720.1	0.00	0.00	
8,600.0	90.40	136.62	5,401.3	-3,033.5	3,807.8	4,820.1	0.00	0.00	
8,700.0	90.40	136.62	5,400.6	-3,106.2	3,876.5	4,920.1	0.00	0.00	
8,800.0 8,900.0	90.40 90.40	136.62 136.62	5,399.9 5,399.2	-3,178.8 -3,251.5	3,945.1 4,013.8	5,020.1 5,120.1	0.00	0.00	

Database: Company: Project: USA EDM 5000 Multi Users DB EnCana Oil & Gas (USA) Inc Sandoval County, NM S27-T23N-R6W

 Site:
 \$27-T23N-R6

 Well:
 GCU 210H

 Wellbore:
 OH

 Design:
 PLAN #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well GCU 210H

16' KB @ 7155.0ft 16' KB @ 7155.0ft

True

easured Depth (ft)	Inclination (°)	Azimuth	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
9,000.0	90.40	136.62	5,398.5	-3,324.2	4,082.5	5,220.1	0.00	0.00	
9,100.0	90.40	136.62	5,397.8	-3,396.9	4,151.2	5,320.1	0.00	0.00	
9,200.0	90.40	136.62	5,397.1	-3,469.5	4,219.9	5,420.1	0.00	0.00	
9,300.0	90.40	136.62	5,396.4	-3,542.2	4,288.6	5,520.1	0.00	0.00	
9,400.0	90.40	136.62	5,395.7	-3,614.9	4,357.3	5,620.1	0.00	0.00	
9,500.0	90.40	136.62	5,395.0	-3,687.6	4,425.9	5,720.1	0.00	0.00	
9,600.0	90.40	136.62	5,394.3	-3,760.2	4,494.6	5,820.1	0.00	0.00	
9,700.0	90.40	136.62	5,393.6	-3,832.9	4,563.3	5,920.1	0.00	0.00	
9,800.0	90.40	136.62	5,392.9	-3,905.6	4,632.0	6,020.1	0.00	0.00	
9,900.0	90.40	136.62	5,392.2	-3,978.3	4,700.7	6,120.1	0.00	0.00	
0,000.0	90.40	136.62	5,391.5	-4,051.0	4,769.4	6,220.1	0.00	0.00	
0,100.0	90.40	136.62	5,390.9	-4,123.6	4,838.1	6,320.0	0.00	0.00	
0,200.0	90.40	136.62	5,390.2	-4,196.3	4,906.7	6,420.0	0.00	0.00	
0,300.0	90.40	136.62	5,389.5	-4,269.0	4,975.4	6,520.0	0.00	0.00	
0,400.0	90.40	136.62	5,388.8	-4,341.7	5,044.1	6,620.0	0.00	0.00	
0,500.0	90.40	136.62	5,388.1	-4,414.3	5,112.8	6,720.0	0.00	0.00	
0,600.0	90.40	136.62	5,387.4	-4,487.0	5,181.5	6,820.0	0.00	0.00	
0,700.0	90.40	136.62	5,386.7	-4,559.7	5,250.2	6,920.0	0.00	0.00	
0,800.0	90.40	136.62	5,386.0	-4,632.4	5,318.9	7,020.0	0.00	0.00	
0,900.0	90.40	136.62	5,385.3	-4,705.0	5,387.5	7,120.0	0.00	0.00	
1,000.0	90.40	136.62	5,384.6	-4,777.7	5,456.2	7,220.0	0.00	0.00	
1,100.0	90.40	136.62	5,383.9	-4,850.4	5,524.9	7,320.0	0.00	0.00	
1,200.0	90.40	136.62	5,383.2	-4,923.1	5,593.6	7,420.0	0.00	0.00	
1,300.0	90.40	136.62	5,382.5	-4,995.7	5,662.3	7,520.0	0.00	0.00	
1,400.0	90.40	136.62	5,381.8	-5,068.4	5,731.0	7,620.0	0.00	0.00	
1,500.0	90.40	136.62	5,381.1	-5,141.1	5,799.7	7,720.0	0.00	0.00	
1,600.0	90.40	136.62	5,380.4	-5,213.8	5,868.3	7,820.0	0.00	0.00	
1,700.0	90.40	136.62	5,379.7	-5,286.4	5,937.0	7,920.0	0.00	0.00	
1,800.0	90.40	136.62	5,379.0	-5,359.1	6,005.7	8,020.0	0.00	0.00	
1,900.0	90.40	136.62	5,378.3	-5,431.8	6,074.4	8,120.0	0.00	0.00	
2,000.0	90.40	136.62	5,377.6	-5,504.5	6,143.1	8,220.0	0.00	0.00	
2,100.0	90.40	136.62	5,376.9	-5,577.1	6,211.8	8,320.0	0.00	0.00	
2,200.0	90.40	136.62	5,376.2	-5,649.8	6,280.5	8,420.0	0.00	0.00	
2,300.0	90.40	136.62	5,375.5	-5,722.5	6,349.1	8,520.0	0.00	0.00	
2,400.0	90.40	136.62	5,374.8	-5,795.2	6,417.8	8,620.0	0.00	0.00	
2,500.0	90.40	136.62	5,374.1	-5,867.8	6,486.5	8,720.0	0.00	0.00	
2,600.0	90.40	136.62	5,373.4	-5,940.5	6,555.2	8,820.0	0.00	0.00	
2,615.4	90.40	136.62	5,373.3	-5,951.7	6,565.8	8,835.4	0.00	0.00	TD at 12615.4

Targets		-		-		and the second			
Target Name - hit/miss target - Shape	Dip Angle	Dip Dir.	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
GCU 210H PBHL - plan hits target cent - Point	0.00 er	0.00	5,373.3	-5,951.7	6,565.8	1,885,275.83	1,288,744.88	36.175406	-107.441581
GCU 210H POE - plan hits target cent - Point	0.00 er	0.00	5,417.9	-1,306.6	2,175.6	1,889,975.55	1,284,413.22	36.188167	-107.456453

Database: Company: Project:

Site:

USA EDM 5000 Multi Users DB EnCana Oil & Gas (USA) Inc Sandoval County, NM S27-T23N-R6W

Well: GCU 210H
Wellbore: OH
Design: PLAN #1

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: Survey Calculation Method: Well GCU 210H

16' KB @ 7155.0ft 16' KB @ 7155.0ft

True

Casing Points							
	Measured	Vertical			Casing	Hole	
	Depth	Depth			Diameter	Diameter	
	(ft)	(ft)		Name	(in)	(in)	
	6,223.8	5,417.9	ICP @ 90.4°		7.000	8.750	

ormations			CONTRACTOR AND ADDRESS OF THE PARTY OF THE P	THE RESERVE OF THE PARTY OF THE	CHARLES NO.	STREET, STREET
	Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	1,529.2	1,514.0	Ojo Alamo Ss.		-0.40	136.62
	1,687.6	1,663.0	Kirtland Shale		-0.40	136.62
	1,864.9	1,826.0	Fruitland Coal		-0.40	136.62
	2,136.6	2,068.0	Pictured Cliffs Ss.		-0.40	136.62
	2,281.3	2,196.0	Lewis Shale		-0.40	136.62
	2,949.4	2,787.0	Cliffhouse Ss.		-0.40	136.62
	3,888.7	3,618.0	Menefee Fn.		-0.40	136.62
	4,695.8	4,332.0	Point Lookout Ss.		-0.40	136.62
	4,885.7	4,500.0	Mancos Shale		-0.40	136.62
	5,586.6	5,120.0	Mancos Silt		-0.40	136.62
	5,946.4	5,370.0	Gallup Fn.		-0.40	136.62

Mea	asured	Vertical	Local Coor	dinates		
	epth (ft)	Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment	
	600.0	600.0	0.0	0.0	KOP @ 600'	
	2,008.8	1,952.7	-161.9	298.4	EOB; INC=28.18°	
	5,586.5	5,106.4	-967.5	1,783.2	Start DLS 10.00 TFO 20.31	
	6,223.8	5,417.9	-1,306.6	2,175.6	LP @ 5417' TVD; 90.4°	
1	2,615.4	5,373.3	-5,951.7	6,565.8	TD at 12615.4	

SHL: SWSW Section 27, T23N, R6W

961 FSL and 182 FWL

BHL: SESW Section 35, T23N, R6W

330 FSL and 1480 FWL

Sandoval, New Mexico

Lease Number: NMNM 118218 Unit Number: NMNM 131017X

- 4. As determined during the onsite on February 27, 2013, the following best management practices were implemented:
 - a. Corners 2 and 3 were rounded. The construction zone corner at corner 5 was rounded to add additional distance from an archaeological site.
 - b. Water was diverted upon interim reclamation
- Construction equipment included, but was not limited to, chain saws, a brush hog, scraper, maintainer, excavator, and dozer. Construction for the access road and well pad took approximately 2 to 4 weeks.

C. Pipeline

See the Plan of Development submitted with the final Standard SF-299 Application for authorization to construct, operate, maintain and terminate a 3,375 foot, up to 6-inch buried, steel well connect pipeline that was submitted to the BLM on September 27, 2013.

7. METHODS FOR HANDLING WASTE

A. Cuttings

- 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 aboveground 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.
- The closed-loop system storage tanks will be adequately sized to ensure confinement of all fluids and will provide sufficient freeboard to prevent uncontrolled releases.
- 3. A 20-mil liner will be installed under tanks, pumps, ancillary facilities, and truck loading/unloading areas associated with the closed-loop system.

B. Drilling Fluids

- A closed-loop system will be used. Drilling fluids will be stored onsite in above-ground storage tanks. Upon termination of drilling operations, the drilling fluids will be recycled and transferred to other permitted closed-loop systems or returned to the vendor for reuse, as practical. Residual fluids will be vacuumed from the storage tanks and disposed of at Basin Disposal, Inc. and/or Industrial Ecosystem, Inc. waste disposal facilities.
- 2. The closed-loop system storage tanks will be adequately sized to ensure confinement of all fluids and will provide sufficient freeboard to prevent uncontrolled releases.
- 3. The closed-loop system storage tanks will be placed in bermed secondary containment sized to accommodate a minimum of 110 percent of the volume of the largest storage tank.
- 4. A 20-mil liner will be installed under tanks, pumps, ancillary facilities, and truck loading/unloading areas associated with the closed-loop system.

C. Flowback Water

 The water-based solution that flows back to the surface during and after completion operations will be placed in storage tanks on the location.

ENCANA OIL & GAS (USA) INC.

GALLO CANYON UNIT #210H

LOCATED IN THE SW/4 SW/4 OF SECTION 27, T23N, R6W, N.M.P.M., SANDOVAL COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM THE INTERSECTION OF HWY 64 & HWY 550 IN BLOOMFIELD, GO SOUTH ON HWY 550, 54.4 MILES TO INDIAN ROUTE 454 (COUNSELOR, NM).
- 2) TURN RIGHT ONTO ISR 454 AND GO 0.9 MILES TO A DIRT ROAD ON RIGHT.
- 3) TURN RIGHT AND GO 0.5 MILES TO EXISTING GALLO CANYON UNIT WELL PAD.

WELL FLAG LOCATED AT LAT. 36.191756° N, LONG.107.463825° W (NAD 83).

CCI

CHENAULT CONSULTING INC.

4800 COLLEGE BLVD. SUITE 201 FARMINGTON, NM 87402 (505)-325-7707

ENCANA JOB No.: M27-2306
DATE: 11/12/15
DRAWN BY: TWT

