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

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.

	No Conyon Unit may 2300 # 2+
$API# \underline{30-043-21260}$, Section $\underline{24}$, Township $\underline{2}$	3 (N)S, Range 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 NSD, NSP, DHC	* APD Held for name change see sundry

- 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.

NMOCD Approved by Signature

Pate //

OIL CONS. DIV DIST. 3

JUN 1 2 2015

Form 3160-3 (March 2012) RECEIVED

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

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FFB 06 2015s.

5. Lease Serial No. NMVM 7009 Gallo Canyon Unit NMNM 131017X

6. If Indian, Allotee or Tribe Name

APPLICATION FOR PERMIT TO	DRILL OF	REENTER	The Laborer	N/A	
la. Type of work:	R			7. If Unit or CA Agre Gallo Canyon Unit	eement, Name and No. NMNM 131017X
lb. Type of Well: ✓ Oil Well ☐ Gas Well ☐ Other	✓ Si	ngle Zone Multip	le Zone	8. Lease Name and Gallo Canyon Unit	
2. Name of Operator Encana Oil & Gas (USA) Inc.				9. API Well No.	-7171-0
3a. Address 370 17th Street Suite 1700	3b Phone No	. (include area code)		10. Field and Pool, or	
3a. Address 370 17th Street, Suite 1700 Denver, CO 80202	720-876-3			Counselors Gallup	
4. Location of Well (Report location clearly and in accordance with any	v State reauiren	nents *)		11. Sec., T. R. M. or B	
At surface 113' FSL and 320' FWL, Section 24, T23N, R6			SHL	Section 24, T23N,	
At proposed prod. zone 1885' FSL and 330' FEL, Section 29		1000	BHL		23N, R6W
14. Distance in miles and direction from nearest town or post office* +/- 56.8 miles South from the intersection of HWY 65 & H	IWY 550 in	Bloomfield, NM		12. County or Parish Sandoval	13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	NMNM- 1	acres in lease 31017X-5,120- 0MNM 17 009-		g Unit dedicated to this cres- Sections 22-26	
 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. SHL +/- 30' S Gallo Can- yon Unit M24-2306 01H 	19. Propose 5,469' TVI	d Depth D; 11,224' MD	20. BLM/BIA Bond No. on file COB-000235		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6,879' GL; 6,895' KB		22. Approximate date work will start* 23. Estimated duration 20 days			on
	24. Atta	chments			
The following, completed in accordance with the requirements of Onshor	e Oil and Gas	Order No.1, must be at	tached to the	is form:	
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System 	Lands, the	Item 20 above). 5. Operator certific	ation		existing bond on file (so
SUPO must be filed with the appropriate Forest Service Office).		6. Such other site BLM.	specific info	ormation and/or plans a	s may be required by the
25. Signature 20011. August		(Printed/Typed)			Date 02/05/2015
Title Regulatory Analyst					
Approved by (Signature)		(Printed/Typed)	7-		Date // 0//
Title AFM	Office	FFO			, ,
Application approval does not warrant or certify that the applicant hold conduct operations thereon.	s legal or equ	itable title to those righ	ts in the sub	oject lease which would	entitle the applicant to
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)
This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

MMOCDAY

*(Instructions on page 2)
DRILLING OPERATIONS
AUTHORIZED ARE SUBJECT TO
COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

BI M'S APPROVAL OR ACCEPTANCE OF THIS
MOREON DOES NOT RELIEVE THE LESSEE AND
COMERATION FROM OBTAINING ANY OTHER
OF THE RESERT OF THE PROPERTIONS
ON TEDERAL AND INDIAN LANDS



DISTRICT I 1625 N. French Dr., Hobbs, N.M. 88240 Phone: (675) 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., Azteo, N.M. 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV

UNDIVIDED UNIT

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 FEB 06 2015 District Office

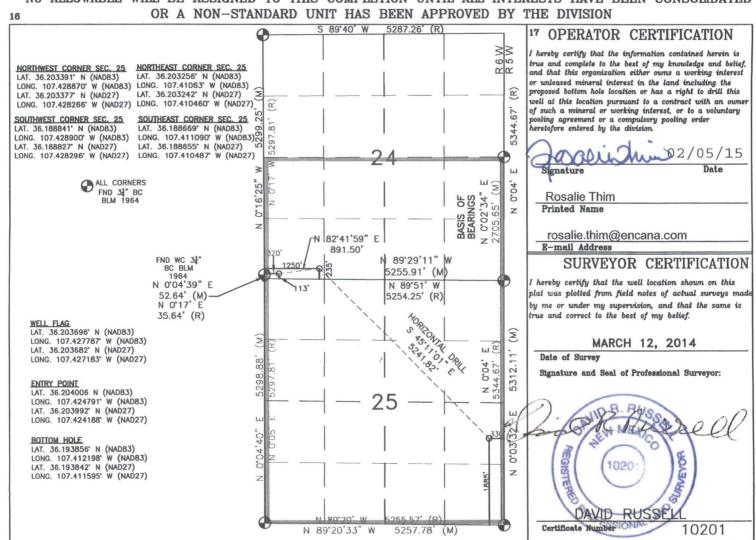
OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-043-21260				*Pool Code 13379		*Pool Name COUNSELORS GALLUP-DAKOTA						
⁴ Property Co		0			⁶ Pro	perty 1	Name			a We	ell Number	
31508	53			GALLO	CANYON	UNIT	M24-2306			02H		
OGRID No					*Ope	rator 1	Name				Elevation	
282327				ENCANA	OIL & C	GAS (USA) INC.			6	6879/2	
	¹⁰ Surface Location											
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	the	North/South line	Feet from the	East/We	st line	County	
М	24	23N	6W		113'		SOUTH	320'	WE	EST	SANDOVAL	
			11 Botto	om Hole	Locati	on I	f Different Fro	om Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	the	North/South line	Feet from the	East/We	st line	County	
1	25	23N	6W		1885	•	SOUTH	330'	EA	AST	SANDOVAL	
PENETRATED SPACE ALL of SEC. 25, T23N, 5,120 ACRES – ALL OF	NG UNITS: S/2 R6W, 960 Acres	of SEC. 24 &	18 Joint or	Infill	¹⁴ Consolid	ation (Code	16 Order No.	-13718-A	\ (5,120 a	acres)	

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED



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

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 1, 2011

DISTRICT II

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811 S. First St., Artesia, N.M. 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 DISTRICT III 1000 Rio Brasos Rd., Astec, N.M. 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87506 Phone: (505) 476-3460 Fax: (505) 476-3462

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

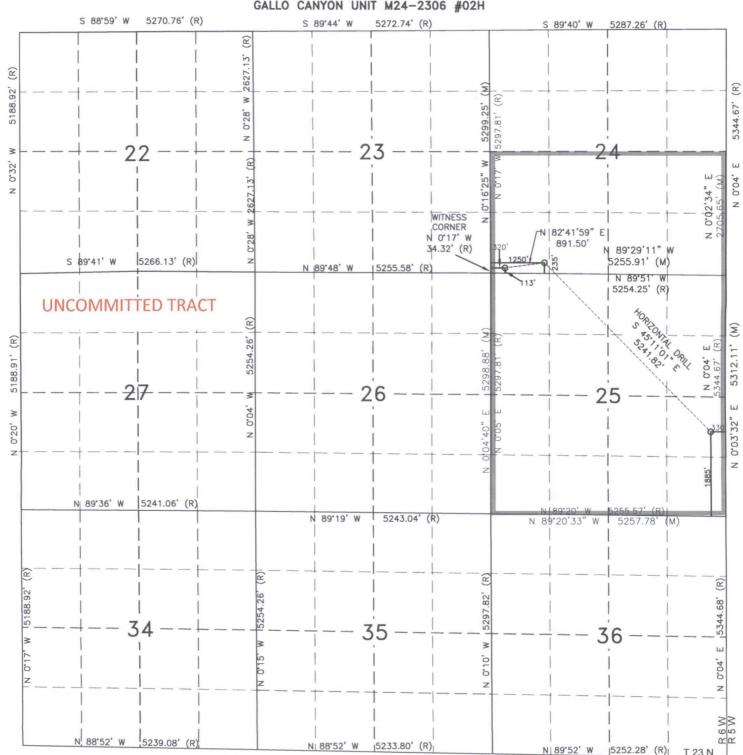
☐ AMENDED REPORT

WFLL FLAG LAT. 36.203696' N (NAD83) LONG. 107.427787' W (NAD83) LAT. 36.203682' N (NAD27) LONG. 107.427183' W (NAD27)

ENTRY POINT LAT. 36.204006 N (NAD83) LONG. 107.424791' W (NAD83) LAT. 36.203992' N (NAD27) LONG. 107.424188' W (NAD27)

BOTTOM HOLE LAT. 36.193856* N (NAD83) LONG. 107.412198' W (NAD83) LAT. 36.193842' N (NAD27) LONG. 107.411595' W (NAD27)

ENCANA OIL & GAS (USA) INC. GALLO CANYON UNIT M24-2306 #02H



SHL: 113' FSL, 320' FWL Sec 24 T23N R06W BHL: 1885' FSL, 330' FEL Sec 25 T23N R06W

Sandoval, New Mexico

Encana Oil & Gas (USA) Inc. Drilling Plan

1. ESTIMATED TOPS OF GEOLOGICAL MARKERS (TVD)

The estimated tops of important geologic markers are as follows:

Formation	Depth (TVD) units = feet
San Jose Fn.	n/a
Nacimiento Fn.	surface
Ojo Alamo Ss.	1,431
Kirtland Shale	1,539
Fruitland Coal	1,703
Pictured Cliffs Ss.	1,980
Lewis Shale	2,096
Cliffhouse Ss.	2,770
Menefee Fn.	3,492
Point Lookout Ss.	4,196
Mancos Shale	4,395
Mancos Silt	5,011
Gallup Fn.	5,252
Base Gallup	5,577

The referenced surface elevation is 6879', KB 6895'

2. ESTIMATED DEPTH OF POTENTIAL WATER, OIL, GAS,

& OTHER MINERAL BEARING FORMATIONS

Substance	Formation	Depth (TVD) units = feet
Water/Gas	Fruitland Coal	1,703
Oil/Gas	Pictured Cliffs Ss.	1,980
Oil/Gas	Cliffhouse Ss.	2,770
Gas	Menefee Fn.	3,492
Oil/Gas	Point Lookout Ss.	4,196
Oil/Gas	Mancos Shale	4,395
Oil/Gas	Mancos Silt	5,011
Oil/Gas	Gallup Fn.	5,252

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

SHL: 113' FSL, 320' FWL Sec 24 T23N R06W BHL: 1885' FSL, 330' FEL Sec 25 T23N R06W

Sandoval, New Mexico

3. PRESSURE CONTROL

- a) Pressure contol 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).
- 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#	
Surface	0'-500'	12 1/4"	9 5/8"	36#	J55, STC New
Intermediate	0'-5576'	8 3/4"	7"	26#	J55, LTC New
Production Liner	5476'-11224'	6 1/8"	4 1/2"	11.6#	B80*, LTC New

	Casir	g String	g	Ca	sing Strengt	Minimum Design Factors			
Size Weight Grade Connectio		Grade Connectio Collapse Burst		Burst (psi)	Tensile (1000lbs)	Collapse Burst		Tensio	
	(ppf) n		(psi)					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: 113' FSL, 320' FWL Sec 24 T23N R06W BHL: 1885' FSL, 330' FEL Sec 25 T23N R06W

Sandoval, New Mexico

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

b) The proposed cementing program is as follows

Casing	Depth	Cement Volume	Cement Type & Yield	Designed	Centralizers
	(MD)	(sacks)		TOC	
Conductor	0'-60'	100 sks	Type I Neat 16 ppg	Surface	None
Surface	0'-500'	276 sks	Type III Cement + 1% bwoc	Surface	1 per joint on
			Calcium Chloride + 0.25 lbs/sack		bottom 3 joints
			Cello Flake + 0.2% bwoc FL-52A +		
			58.9% Fresh Water		
Intermediate	0'-5576'	100% open hole excess	Lead: PremLite + 3% CaCl +	Surface	1 every 3 joints
		Stage 1 Lead:	0.25lb/sk CelloFlake + 5lb/sk LCM,		through water
		741 sks	12.1ppg 2.13cuft/sk		bearing zones
		Stage 1 Tail:	Tail: Type III Cmt + 1% CaCl +		
		560 sks	0.25lb/sk Cello Flake 14.5ppg		
			1.38cuft/sk		
Production	5476'-	50% OH excess	Blend: Premium Lite High	Liner	N/A
Liner	11224'	Stage 1 Blend Total:	Strength FM + 0.7% bwoc R-3 +	Hanger	
		324sks	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		

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 3500'. Directional plans are attached.

Description	Proposed Depth (TVD/MD)	Formation
Horizontal Lateral TD	5469'/11224'	Gallup

SHL: 113' FSL, 320' FWL Sec 24 T23N R06W BHL: 1885' FSL, 330' FEL Sec 25 T23N R06W

Sandoval, New Mexico

DRILLING FLUIDS PROGRAM

a) Surface through Intermediate Casing Point:

				Viscosity	
Hole Size (in)	Depth (TVD/MD)	Mud Type	Density (ppg)	(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'-5384'/5576	Fresh Water LSND	8.3-10	40-50	8-10

b) Intermediate Casing Point to TD:

				Viscosity	
Hole Size (in)	Depth (TVD/MD)	Mud Type	Density (ppg)	(sec/qt)	Fluid Loss (cc)
	5384'/5576'-				
6 1/8"	5469'/11224'	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.
- 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 +/- 2578 psi based on a 9.0 ppg at 5509' 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 July 1, 2015. It is anticipated that completion operations will begin within 30 days after the well has been drilled depending on fracture treatment schedules with various pumping service companies.

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

LOC: 113'	FSL, 320' FW	L Sec 24 T23N R06W		En	ana Natural Gas			ENG: Michael Sanch	2-3-15
County: Sand								RIG: Aztec 950	
WELL: GCU	M24-2306 02H	1		١	VELL SUMMARY			GLE: 6879	
						_		RKBE: 6895	
MWD	OPEN HOLE		DEPTH			HOLE	CASING	MW	DEVIATION
LWD	LOGGING	FORM	TVD	MD	ППП	SIZE	SPECS	MUD TYPE	INFORMATION
							400 40 000		
			60	60'	11 111	26	16" 42.09# 100sx Type I Neat 16.0ppg cmt	Fresh wtr 8.3-9.2	
		San Jose Fn.	0	- 00		20	Took Type Theat To.oppg ont	0.5-5.2	
Multi-Well pad -							9 5/8" 36ppf J55 STC	Fresh wtr	
take survey every stand	None						3 000 30ppi 300 010	Fiesh wu	Vertical
and run anti-	None					12 1/4	TOC Surface with 100% OH Excess:	8.3-10	<1°
collision report prior to							276 sks Type III Cement + 1% bwoc Calcium Chloride + 0.25 lbs/sack Cello		
spud		Nacimiento Fn.	surface				Flake + 0.2% bwoc FL-52A + 58.9%		
		9 5/8" Csg	500	500.00		_	Fresh Water.		
		Ojo Alamo Ss. Kirtland Shale	1,431 1,539						
							7" 26ppf J55 LTC	Fresh Wtr	
	No OH logs	Fruitland Coal	1,703						Vertical
Survey Every 60'-120',		Pictured Cliffs Ss.	1,980				TOC @ surface (100% OH excess - 70% Lead 30%	8.3-10	<1º
updating		Lewis Shale	2,096			8 3/4	Tail)		
anticollision report after							Stage 1 Total: 1301sks		
surveys. Stop		Cliffhouse Ss. Menefee Fn.	2,770 3,492						
operations and contact drilling							Stage 1 Lead: 741 sks Premium Lite FM + 3% CaCl2 + 0.25/sk Cello Flake		
engineer if		Point Lookout Ss.	4,196				+ 5#/sk LCM-1 + 8% Bentonite + 0.4%		
separation factor		Mancos Shale	4,395				FL-52A + 0.4% Sodium Metasilicate. Mixed at 12.1 ppg. Yield 2.13 cuft/sk.		
approaches							Mixed at 12.1 ppg. Field 2.13 culusk.		
1.5	Mud logger	КОР	3,500	3,500			9		
	onsite				\ \		Stage 1 Tail: 560 sks Type III Cement	t l	
					\ \		1% CaCl2 + 0.25#/sk Cello Flake + 0.2% FL-52A. Mixed at 14.6 ppg. Yield		
Surveys every		Mancos Silt	5,011		\ \		1.38 cuft/sk.		
30' through the curve					\ \				
the curve					\ \				
		Gallup Fn.	5,252		\ \				
		7" Csg	5,384	5,576'	// //				Horz Inc/TVD
					\\	0.4/0	100' overlap at liner top		90.4deg/5509ft
Surveys every		Horizontal Target	5,509		/	6 1/8	100 ovenap at liner top		
stand to TD unless		TD	5,469	11,224	\	<u> </u>	5649' Drilled Lateral	17.7	TD = 11224.1 MD
directed						\top			
otherwise by Geologist	No OH Logs	Base Gallup	5,577					WBM	
							4 1/2" 11.6ppf SB80 LTC	8.3-10	
							TOC @ hanger		
							(50% OH excess) Stage 1 Total: 324sks		
MWD									
Gamma									
Directional							Stage 1 Blend: 324 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.		

NOTES:

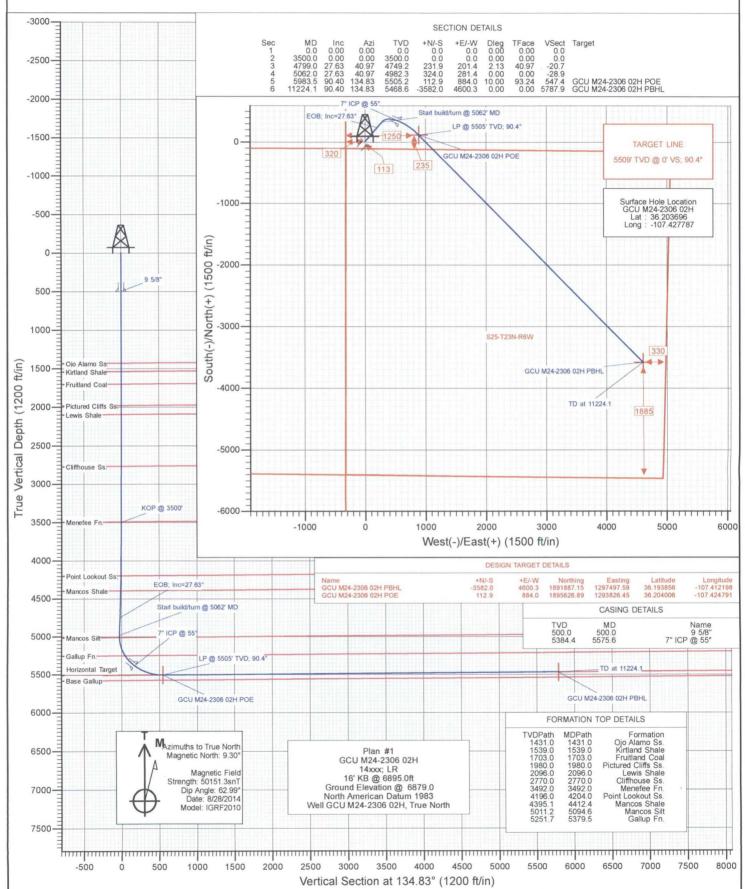
- 1) Drill with 26" bit to 60', set 16" 42.09ppf conductor pipe
- 2) Drill surface to 500', R&C 9 5/8" casing
- 3) N/U BOP and surface equipment
- 4) Drill to KOP of 3500', 8 3/4 inch holesize
- 5) Start curve at 10deg/100' build rate
- 6) Drill to csg point of 5576' MD
- 7) R&C 7" csg, circ cmt to surface
- 8) Land at ~90 deg, drill lateral to 11224' run 4 1/2 inch cemented liner



Project: Sandoval County, NM Site: S24-T23N-R6W Well: GCU M24-2306 02H

Wellbore: HZ Design: Plan #1





Database: Company: Project:

USA EDM 5000 Multi Users DB EnCana Oil & Gas (USA) Inc Sandoval County, NM S24-T23N-R6W

Site: GCU M24-2306 02H Well:

Wellbore: HZ Design: Plan #1 Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well GCU M24-2306 02H

16' KB @ 6895.0ft 16' KB @ 6895.0ft

True

Minimum Curvature

Project Sandoval County, NM

Map System: Geo Datum: Map Zone:

US State Plane 1983 North American Datum 1983

0.0 ft

New Mexico Central Zone

System Datum:

Mean Sea Level

Site S24-T23N-R6W

Site Position: From: Position Uncertainty:

Position Uncertainty

Lat/Long

Northing: Easting: Slot Radius: 1,895,550.78 ft 1.292,926.71 ft 13.200 in Latitude: Longitude: **Grid Convergence:**

36.203767 -107.427837

-0.70 °

Well GCU M24-2306 02H

Well Position +N/-S +E/-W

0.0 ft Northing: 0.0 ft Easting: 0.0 ft

1,895,524.76 ft 1,292,941.14 ft Wellhead Elevation: 0.0 ft Latitude: Longitude: Ground Level:

36.203696 -107.427787 6.879.0 ft

Wellbore HZ Magnetics **Model Name** Sample Date Declination **Dip Angle** Field Strength (°) (nT) (°) IGRF2010 8/28/2014 9.30 62.99 50,151

Design Plan #1 Audit Notes: PLAN 0.0 Version: Phase: Tie On Depth: +N/-S Depth From (TVD) +E/-W **Vertical Section:** Direction (ft) (ft) (°) (ft) 0.0 0.0 0.0 134.83

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	
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,799.0	27.63	40.97	4,749.2	231.9	201.4	2.13	2.13	0.00	40.97	
5,062.0	27.63	40.97	4,982.3	324.0	281.4	0.00	0.00	0.00	0.00	
5,983.5	90.40	134.83	5,505.2	112.9	884.0	10.00	6.81	10.19	93.24	GCU M24-2306 021
11,224.1	90.40	134.83	5,468.6	-3,582.0	4,600.3	0.00	0.00	0.00	0.00	GCU M24-2306 02H

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

Site: S24-T23N-R6W Well: GCU M24-2306 02H

Wellbore: HZ
Design: Plan #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well GCU M24-2306 02H

16' KB @ 6895.0ft 16' KB @ 6895.0ft

True

Measured Vertical Vertical Dogleg Build Comments /								Comments /	
Depth (ft)	Inclination (°)	Azimuth (°)	Depth (ft)	+N/-S (ft)	+E/-W (ft)	Section (ft)	Rate (°/100ft)	Rate (°/100ft)	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		9 5/8"
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	
1,431.0	0.00	0.00	1,431.0	0.0	0.0	0.0	0.00	0.00	Ojo Alamo Ss.
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	
1,539.0	0.00	0.00	1,539.0	0.0	0.0	0.0	0.00		Kirtland Shale
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	
1,703.0	0.00	0.00	1,703.0	0.0	0.0	0.0	0.00	0.00	Fruitland Coal
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	
1,980.0	0.00	0.00	1,980.0	0.0	0.0	0.0	0.00		Pictured Cliffs Ss.
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	, ista, ou office ou
2,096.0	0.00	0.00	2,096.0	0.0	0.0	0.0	0.00		Lewis Shale
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	and officer
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	
	0.00	0.00		0.0	0.0	0.0	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	
2,600.0			2,600.0			0.0	0.00	0.00	
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00		Cliffhouse Ss.
2,770.0 2,800.0	0.00	0.00	2,770.0 2,800.0	0.0	0.0	0.0	0.00	0.00	Cililiouse Gs.
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	
3,200.0 3,300.0	0.00	0.00	3,200.0 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	Manafaa En
3,492.0	0.00	0.00	3,492.0	0.0	0.0	0.0	0.00		Menefee Fn.
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00		KOP @ 3500'
3,600.0	2.13	40.97	3,600.0	1.4	1.2	-0.1	2.13	2.13	
3,700.0	4.25	40.97	3,699.8	5.6	4.9	-0.5	2.13	2.13	
3,800.0	6.38	40.97	3,799.4	12.6	10.9	-1.1	2.13	2.13	
3,900.0	8.51	40.97	3,898.5	22.4	19.4	-2.0	2.13	2.13	
4,000.0	10.63	40.97	3,997.1	34.9	30.3	-3.1	2.13	2.13	
4,100.0	12.76	40.97	4,095.1	50.2	43.6	-4.5	2.13	2.13	
4,200.0	14.89	40.97	4,192.2	68.3	59.3	-6.1	2.13	2.13	
4,204.0	14.97	40.97	4,196.0	69.1	60.0	-6.2	2.13	2.13	Point Lookout Ss.
4,300.0	17.01	40.97	4,288.3	89.0	77.3	-7.9	2.13	2.13	

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

 Site:
 \$24-T23N-R6W

 Well:
 GCU M24-2306 02H

Wellbore: HZ Design: Plan #1 Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: Survey Calculation Method: Well GCU M24-2306 02H 16' KB @ 6895.0ft

16' KB @ 6895.0ft True

leasured			Vertical			Vertical	Dogleg	Build	Comments /
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate	Formations
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	
4,400.0	19.14	40.97	4,383.4	112.5	97.7	-10.0	2.13	2.13	
4,412.4	19.40	40.97	4,395.1	115.5	100.3	-10.3	2.13		Mancos Shale
4,500.0	21.27	40.97	4,477.2	138.5	120.3	-12.3	2.13	2.13	
4,600.0	23.39	40.97	4,569.7	167.2	145.2	-14.9	2.13	2.13	
4,700.0	25.52	40.97	4,660.7	198.5	172.3	-17.7	2.13	2.13	
4,799.0	27.63	40.97	4,749.2	231.9	201.4	-20.7	2.13		EOB; Inc=27.63°
4,800.0	27.63	40.97	4,750.1	232.3	201.7	-20.7	0.00	0.00	
4,900.0	27.63	40.97	4,838.7	267.3	232.1	-23.8	0.00	0.00	
5,000.0	27.63	40.97	4,927.3	302.3	262.5	-26.9	0.00	0.00	
5,062.0	27.63	40.97	4,982.3	324.0	281.4	-28.9	0.00		Start build/turn @ 5062' MD
5,094.6	27.62	48.01	5,011.2	334.8	291.9	-29.0	10.00		Mancos Silt
5,100.0	27.65	49.16	5,016.0	336.4	293.8	-28.8	9.98	0.61	
5,200.0	29.92	69.48	5,103.8	360.4	334.8	-16.6	10.00	2.27	
5,300.0	34.79	85.88	5,188.4	371.2	386.8	12.6	10.00	4.87	
5,379.5	39.90	95.96	5,251.7	370.2	434.8	47.4	10.00		Gallup Fn.
5,400.0	41.33	98.20	5,267.2	368.5	448.1	57.9	9.99	7.02	
5,500.0	48.88	107.50	5,337.8	352.5	516.8	118.1	10.00	7.54	71100 0 550
5,575.6	54.99	113.16	5,384.4	331.7	572.5	172.2	10.00	8.08	7" ICP @ 55°
5,600.0	57.01	114.81	5,398.1	323.5	591.0	191.1	10.00	8.29	
5,700.0	65.50	120.85	5,446.2	282.4	668.3	274.9	10.00	8.49	
5,800.0	74.19	126.12	5,480.6	230.6	746.5	366.8	10.00	8.70	
5,900.0	83.00	130.95	5,500.4	169.6	823.0	464.1	10.00	8.81	
5,983.5	90.40	134.83	5,505.2	112.9	884.0	547.4	10.00	8.86	LP @ 5505' TVD; 90.4°
6,000.0	90.40	134.83	5,505.1	101.2	895.7	563.9	0.00	0.00	
6,100.0	90.40	134.83	5,504.4	30.7	966.6	663.9	0.00	0.00	
6,200.0	90.40	134.83	5,503.7	-39.8	1,037.5	763.9	0.00	0.00	
6,300.0	90.40	134.83	5,503.0	-110.3	1,108.4	863.9	0.00	0.00	
6,400.0	90.40	134.83	5,502.3	-180.8	1,179.4	963.9	0.00	0.00	
6,500.0	90.40	134.83	5,501.6	-251.3	1,250.3	1,063.9	0.00	0.00	
6,600.0	90.40	134.83	5,500.9	-321.8	1,321.2	1,163.9	0.00	0.00	
6,700.0	90.40	134.83	5,500.2	-392.3	1,392.1	1,263.9	0.00	0.00	
6,800.0	90.40	134.83	5,499.5	-462.8	1,463.0	1,363.9	0.00	0.00	
6,900.0	90.40	134.83	5,498.8	-533.3	1,533.9	1,463.8	0.00	0.00	
7,000.0	90.40	134.83	5,498.1	-603.8	1,604.8	1,563.8	0.00	0.00	
7,100.0	90.40	134.83	5,497.4	-674.3	1,675.8	1,663.8	0.00	0.00	
7,200.0	90.40	134.83	5,496.7	-744.8	1,746.7	1,763.8	0.00	0.00	
7,300.0	90.40	134.83	5,496.0	-815.3	1,817.6	1,863.8	0.00	0.00	
7,400.0	90.40	134.83	5,495.3	-885.8	1,888.5	1,963.8	0.00	0.00	
7,500.0	90.40	134.83	5,494.6	-956.3	1,959.4	2,063.8	0.00	0.00	
7,600.0	90.40	134.83	5,493.9	-1,026.8	2,030.3	2,163.8	0.00	0.00	
7,700.0	90.40	134.83	5,493.2	-1,097.3	2,101.2	2,263.8	0.00	0.00	
7,800.0	90.40	134.83	5,492.5	-1,167.9	2,172.1	2,363.8	0.00	0.00	
7,900.0	90.40	134.83	5,491.8	-1,238.4	2,243.1	2,463.8	0.00	0.00	
8,000.0	90.40	134.83	5,491.1	-1,308.9	2,314.0	2,563.8	0.00	0.00	
8,100.0	90.40	134.83	5,490.4	-1,379.4	2,384.9	2,663.8	0.00	0.00	
8,200.0	90.40	134.83	5,489.7	-1,449.9	2,455.8	2,763.8	0.00	0.00	
8,300.0	90.40	134.83	5,489.0	-1,520.4	2,526.7	2,863.8	0.00	0.00	
8,400.0	90.40	134.83	5,488.3	-1,590.9	2,597.6	2,963.8	0.00	0.00	
8,500.0	90.40	134.83	5,487.6	-1,661.4	2,668.5	3,063.8	0.00	0.00	
8,600.0	90.40	134.83	5,486.9	-1,731.9	2,739.4	3,163.8	0.00	0.00	
8,700.0	90.40	134.83	5,486.2	-1,802.4	2,810.4	3,263.8	0.00	0.00	
8,800.0	90.40	134.83	5,485.5	-1,872.9	2,881.3	3,363.8	0.00	0.00	

Database: Company: USA EDM 5000 Multi Users DB EnCana Oil & Gas (USA) Inc

Project: Site: Well:

Sandoval County, NM S24-T23N-R6W GCU M24-2306 02H

Wellbore: Design: HZ Plan #1 Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well GCU M24-2306 02H

16' KB @ 6895.0ft 16' KB @ 6895.0ft

True

ned Surve 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	90.40	134.83	5,484.8	-1,943.4	2,952.2	3,463.8	0.00	0.00	
9,000.0	90.40	134.83	5,484.1	-2,013.9	3,023.1	3,563.8	0.00	0.00	
9,100.0	90.40	134.83	5,483.4	-2,084.4	3,094.0	3,663.8	0.00	0.00	
9,200.0	90.40	134.83	5,482.7	-2,154.9	3,164.9	3,763.8	0.00	0.00	
9,300.0	90.40	134.83	5,482.0	-2,225.4	3,235.8	3,863.8	0.00	0.00	
9,400.0	90.40	134.83	5,481.3	-2,295.9	3,306.8	3,963.8	0.00	0.00	
9,500.0	90.40	134.83	5,480.6	-2,366.4	3,377.7	4,063.8	0.00	0.00	
9,600.0	90.40	134.83	5,479.9	-2,436.9	3,448.6	4,163.8	0.00	0.00	
9,700.0	90.40	134.83	5,479.2	-2,507.4	3,519.5	4,263.8	0.00	0.00	
9,800.0	90.40	134.83	5,478.5	-2,577.9	3,590.4	4,363.8	0.00	0.00	
9,900.0	90.40	134.83	5,477.8	-2,648.4	3,661.3	4,463.8	0.00	0.00	
10,000.0	90.40	134.83	5,477.1	-2,719.0	3,732.2	4,563.8	0.00	0.00	
10,100.0	90.40	134.83	5,476.4	-2,789.5	3,803.1	4,663.8	0.00	0.00	
10,200.0	90.40	134.83	5,475.7	-2,860.0	3,874.1	4,763.8	0.00	0.00	
10,300.0	90.40	134.83	5,475.0	-2,930.5	3,945.0	4,863.8	0.00	0.00	
10,400.0	90.40	134.83	5,474.3	-3,001.0	4,015.9	4,963.8	0.00	0.00	
10,500.0	90.40	134.83	5,473.6	-3,071.5	4,086.8	5,063.8	0.00	0.00	
10,600.0	90.40	134.83	5,472.9	-3,142.0	4,157.7	5,163.8	0.00	0.00	
10,700.0	90.40	134.83	5,472.2	-3,212.5	4,228.6	5,263.8	0.00	0.00	
10,800.0	90.40	134.83	5,471.6	-3,283.0	4,299.5	5,363.8	0.00	0.00	
10,900.0	90.40	134.83	5,470.9	-3,353.5	4,370.4	5,463.8	0.00	0.00	
11,000.0	90.40	134.83	5,470.2	-3,424.0	4,441.4	5,563.8	0.00	0.00	
11,100.0	90.40	134.83	5,469.5	-3,494.5	4,512.3	5,663.8	0.00	0.00	
11,200.0	90.40	134.83	5,468.8	-3,565.0	4,583.2	5,763.8	0.00	0.00	
11,224.1	90.40	134.83	5,468.6	-3,582.0	4,600.3	5,787.9	0.00	0.00	TD at 11224.1

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 M24-2306 02H PC - plan hits target ce - Point		0.00	5,505.2	112.9	884.0	1,895,626.89	1,293,826.45	36.2	04006	-107.424791
GCU M24-2306 02H PB - plan hits target ce - Point		0.00	5,468.6	-3,582.0	4,600.3	1,891,887.15	1,297,497.59	36.1	93856	-107.412198
	500.0	500.0	9 5/8"					0.000	0.000	
	5,575.6	5.384.4	7" ICP @ 55	5°				0.000	0.000	

Database: Company: Project:

Wellbore:

Design:

USA EDM 5000 Multi Users DB EnCana Oil & Gas (USA) Inc Sandoval County, NM S24-T23N-R6W

Site: Well:

GCU M24-2306 02H HZ

Plan #1

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: Survey Calculation Method: Well GCU M24-2306 02H

16' KB @ 6895.0ft 16' KB @ 6895.0ft

True

ormations						
	Measured Depth (ft)	Vertical Depth (ft)	Name Lithology	Dip (°)	Dip Direction (°)	
	1,431.0	1,431.0	Ojo Alamo Ss.	-0.40	134.83	
	1,539.0	1,539.0	Kirtland Shale	-0.40	134.83	
	1,703.0	1,703.0	Fruitland Coal	-0.40	134.83	
	1,980.0	1,980.0	Pictured Cliffs Ss.	-0.40	134.83	
	2,096.0	2,096.0	Lewis Shale	-0.40	134.83	
	2,770.0	2,770.0	Cliffhouse Ss.	-0.40	134.83	
	3,492.0	3,492.0	Menefee Fn.	-0.40	134.83	
	4,204.0	4,196.0	Point Lookout Ss.	-0.40	134.83	
	4,412.4	4,395.0	Mancos Shale	-0.40	134.83	
	5,094.6	5,011.0	Mancos Silt	-0.40	134.83	
	5,379.5	5,252.0	Gallup Fn.	-0.40	134.83	

nnotations				
Measured	Vertical	Local Coordinates		
Depth (ft)	Depth (ft)	+N/-S	+E/-W	C
(11)	(11)	(ft)	(ft)	Comment
3,500.0	3,500.0	0.0	0.0	KOP @ 3500'
4,799.0	4,749.2	231.9	201.4	EOB; Inc=27.63°
5,062.0	4,982.3	324.0	281.4	Start build/turn @ 5062' MD
5,983.5	5,505.2	112.9	884.0	LP @ 5505' TVD; 90.4°
11,224.1	5,468.6	-3,582.0	4,600.3	TD at 11224.1

Gallo Canyon Unit M24-2306 02H

SHL: SWSW Section 24, T23N, R6W

113 FSL and 320 FWL

BHL: NESE Section 25, T23N, R6W

1885 FSL and 330 FEL Sandoval County, New Mexico Lease Number: NMNM 131017X

2. A 30' x 50' silt trap will be installed at STA 2+04.58 to STA 2+54.64 for erosion control.

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.
- 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. 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

- 1. The water-based solution that flows back to the surface during and after completion operations will be placed in storage tanks on the location.
- Flowback water will be confined to a storage tank for a period not to exceed 90 days after initial production and will be disposed of at Basin Disposal, Inc. and/or Industrial Ecosystem, Inc. waste disposal facilities.
- D. Spills any spills of non-freshwater fluids will be immediately cleaned up and removed to an approved disposal site. Encana will also notify the BLM within 24 hours of any spill.
- E. Sewage self-contained, chemical toilets will be provided for human waste disposal. The toilet holding tanks will be pumped, as needed, and the contents thereof disposed of in an approved sewage disposal facility. The toilets will be onsite during all operations.
- F. Garbage and other waste material garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash container during drilling and completion

ENCANA OIL & GAS (USA) INC.

GALLO CANYON UNIT M24-2306 #02H 113' FSL & 320' FWL LOCATED IN THE SW/4 SW/4 OF SECTION 24, 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, 56.5 MILES (M.P. 95.1) .
- 2) TURN LEFT ONTO DIRT ROAD AND GO 0.3 MILES TO WHERE ACCESS IS STAKED ON LEFT SIDE OF ROAD.

WELL FLAG LOCATED AT LAT. 36.203696° N, LONG.107.427787° W (NAD 83).

