

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary-Designate

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



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: 9-15-14

Well information;

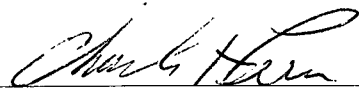
Operator Enrona, Well Name and Number GoodTimes G24 2410 #02H

API# 30-045-35594, Section 24, Township 24 NS, Range 10 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.


NMOCD Approved by Signature

11-3-2014
Date

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 18 2014

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
NM 5991 & ~~NM-62973~~ NMNM 59916. If Indian, Allottee or Tribe Name
N/A1a. Type of work: ☒ DRILL ☐ REENTER7. If Unit or CA Agreement, Name and No.
PENDING1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☐ Multiple Zone8. Lease Name and Well No.
Good Times G24-2410 02H

2. Name of Operator Encana Oil & Gas (USA) Inc.

9. API Well No.
30-045-355943a. Address 370 17th Street, Suite 1700
Denver, CO 802023b. Phone No. (include area code)
720-876-599410. Field and Pool, or Exploratory
Basin Mancos Gas/Bisti Lower-Gallup

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface 2048' FNL and 1701' FEL Section 24, T24N, R10W SWNE

At proposed prod. zone 2311' FNL and 660' FEL Section 25, T24N, R10W SENE

11. Sec., T. R. M. or Blk. and Survey or Area
Section 24 & 25, T24N, R10W NMPM14. Distance in miles and direction from nearest town or post office*
+/- 39.5 miles south from intersection of US Hwy 550 and US Hwy 64 in Bloomfield, NM12. County or Parish
San Juan13. State
NM15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)
BHL is 660' FEL Section 25,
T24N, R10W16. No. of acres in lease
NM 5991 - 640 acres
~~NM-62973 - 240 acres~~
NM 25842 - 3200 acres17. Spacing Unit dedicated to this well
320.0 acres - SE/4 Section 24, T24N, R10W
NE/4 Section 25, T24N, R10W18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.
SHL is +/- 30' S of Good
Times G24-2410 01H19. Proposed Depth
5184' TVD/ 10,504' MD20. BLM/BIA Bond No. on file
COB-000235

OIL CONS. DIV DIST. 3

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
6932' GL; 6948' KB22. Approximate date work will start*
4/01/201523. Estimated duration
20 days

NOV 03 2014

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

Title

Regulatory Analyst

Name (Printed/Typed)
Shannon Turk

Date

9/15/14

Approved by (Signature)

Title

Name (Printed/Typed)

Office

Date

10/30/14

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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

(Continued on page 2)

*(Instructions on page 2)

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

NMCCD AV

BLM'S APPROVAL OR ACCEPTANCE OF THIS
ACTION DOES NOT RELIEVE THE LESSEE AND
OPERATOR FROM OBTAINING ANY OTHER
AUTHORIZATION REQUIRED FOR OPERATIONS
ON FEDERAL AND INDIAN LANDSThis action is subject to technical
and procedural review pursuant to
43 CFR 3165.3 and appeal
pursuant to 43 CFR 3165.4

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

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

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

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3480 Fax: (505) 476-3482

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

SEP 18 2014

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35594		² Pool Code 97232 / 5890		³ Pool Name BASIN MANCOS GAS / BISTI LOWER-GALLUP	
⁴ Property Code 3138460		⁵ Property Name GOOD TIMES G24-2410			⁶ Well Number 02H
⁷ GRID No. 282327		⁸ Operator Name ENCANA OIL & GAS (USA) INC.			⁹ Elevation 6931.7'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	WEST/West line	County
G	24	24N	10W		2048'	NORTH	1701'	EAST	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	WEST/West line	County
H	25	24N	10W		2311'	NORTH	660'	EAST	SAN JUAN

¹⁰ Dedicated Acres 320.00 ACRES SE/4 SEC. 24 & NE/4 SEC. 25 <i>1105 Hines</i>	¹¹ Joint or Infill <i>1106 Galkin D</i>	¹² Consolidation Code	¹³ Order No.
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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

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Exhibit A

Good Times G24-2410 02H
 SHL: 2048' FNL & 1701' FEL Sec 24 T24N R10W
 BHL: 2311' FNL & 600' FEL Sec 25 T24N R10W
 San Juan, New Mexico

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

1. ESTIMATED TOPS OF GEOLOGICAL MARKERS (TVD)

The estimated tops of important geologic markers are as follows:

Formation	Depth (TVD) units = feet
San Jose Fn.	n/a
Nacimiento Fn.	surface
Ojo Alamo Ss.	830
Kirtland Shale	982
Fruitland Coal	1,294
Pictured Cliffs Ss.	1,625
Lewis Shale	1,796
Cliffhouse Ss.	2,369
Menefee Fn.	3,119
Point Lookout Ss.	3,994
Mancos Shale	4,236
Mancos Silt	4,800
Gallup Fn.	5,070
Base Gallup	5,369

The referenced surface elevation is 6932', KB 6948'

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

Substance	Formation	Depth (TVD) units = feet
Water/Gas	Fruitland Coal	1,294
Oil/Gas	Pictured Cliffs Ss.	1,625
Oil/Gas	Cliffhouse Ss.	2,369
Gas	Menefee Fn.	3,119
Oil/Gas	Point Lookout Ss.	3,994
Oil/Gas	Mancos Shale	4,236
Oil/Gas	Mancos Silt	4,800
Oil/Gas	Gallup Fn.	5,070

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

Good Times G24-2410 02H

SHL: 2048' FNL & 1701' FEL Sec 24 T24N R10W

BHL: 2311' FNL & 600' FEL Sec 25 T24N R10W

San Juan, New Mexico

3. PRESSURE CONTROL

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

Proposed BOP and choke manifold arrangements are attached.

4. CASING & CEMENTING PROGRAM

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

- a) The proposed casing design is as follows:

Casing	Depth (MD)	Hole Size	Csg Size	Weight	Grade
Conductor	0'-60'	26"	16"	42.09#	
Surface	0'-500'	12 1/4"	9 5/8"	36#	J55, STC New
Intermediate	0'-5464'	8 3/4"	7"	26#	J55, LTC New
Production Liner	5364'-10504'	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

Good Times G24-2410 02H**SHL: 2048' FNL & 1701' FEL Sec 24 T24N R10W****BHL: 2311' FNL & 600' FEL Sec 25 T24N R10W****San Juan, New Mexico**

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

b) The proposed cementing program is as follows

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'	276 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'-5464'	100% open hole excess Stage 1 Lead: 725 sks Stage 1 Tail: 550 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	5364'-10504'	50% OH excess Stage 1 Blend Total: 279sks	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 2500'. Directional plans are attached.

Description	Proposed Depth (TVD/MD)	Formation
Horizontal Lateral TD	5184'/10504'	Gallup

Good Times G24-2410 02H

SHL: 2048' FNL & 1701' FEL Sec 24 T24N R10W

BHL: 2311' FNL & 600' FEL Sec 25 T24N R10W

San Juan, New Mexico

6. DRILLING FLUIDS PROGRAM

a) Surface through Intermediate Casing Point:

Hole Size (in)	Depth (TVD/MD)	Mud Type	Density (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
30"	0-60'/60'	Fresh Water	8.3-9.2	38-100	4-28
12 1/4"	0'-500'/500'	Fresh Water	8.3-10	60-70	NC
8 3/4"	500'/500'-5170'/5464'	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"	5170'/5464'- 5184'/10504'	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 +/- 2485 psi based on a 9.0 ppg at 5310' 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 April 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.

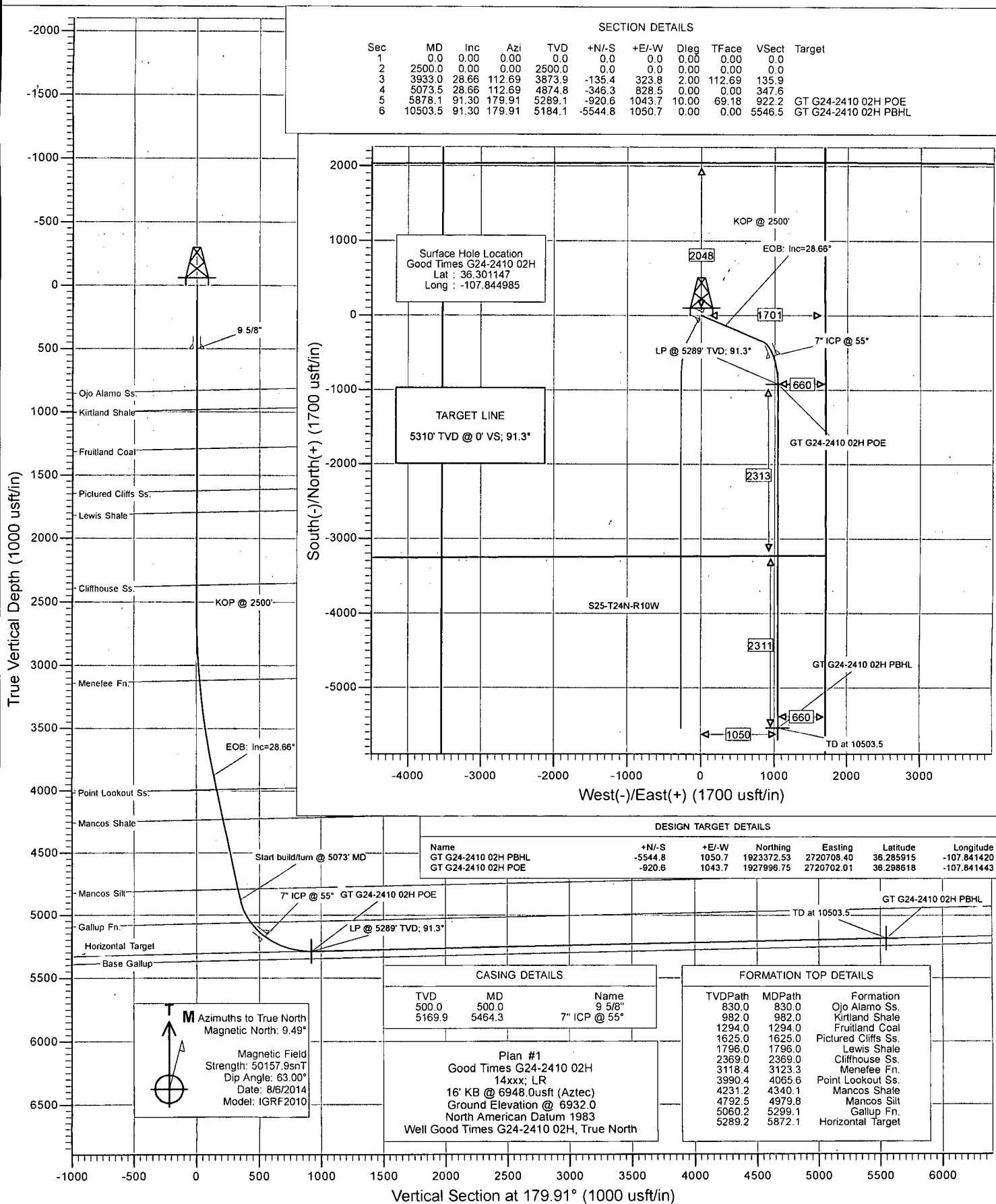
LOC: 2048' FNL & 1701' FEL Sec 24 T24N R10E County: San Juan WELL: Good Times G24-2410 02H			Encana Natural Gas WELL SUMMARY			ENG: Michael Sanch RIG: Unassigned GLE: 6931.7 RKBE: 6947.7			9/16/14
MWD LWD	OPEN HOLE LOGGING	FORM	DEPTH			HOLE SIZE	CASING SPECS	MW MUD TYPE	DEVIATION INFORMATION
			TVD	MD					
			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 anticollision report prior to spud	None	San Jose Fn. Nacimiento Fn. 9 5/8" Csg	0 surface 500	 500.00		12 1/4	9 5/8" 36ppf J55 STC TOC Surface with 100% OH Excess: 276 sks Type III Cement + 1% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 0.2% bwoc FL-52A + 58.9% Fresh Water.	Fresh wtr 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	830 982 1,294 1,625 1,796 2,369 3,119 3,994 4,236			8 3/4	7" 26ppf J55 LTC TOC @ surface (100% OH excess - 70% Lead 30% Tail) Stage 1 Total: 1275sks Stage 1 Lead: 725 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: 550 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°
Surveys every 30' through the curve	Mud logger onsite	KOP Mancos Silt Gallup Fn. 7" Csg	2,500 4,800 5,070 5,170	2,500 5,464'					
Surveys every stand to TD unless directed otherwise by Geologist	No OH Logs	Horizontal Target TD Base Gallup	5,310 5,184 5,369	10,504		6 1/8	100' overlap at liner top 5039' Drilled Lateral		Horz Inc/TVD 91.3deg/5309.7ft TD = 10503.5 MD
MWD Gamma Directional							4 1/2" 11.6ppf SB80 LTC TOC @ hanger (50% OH excess) Stage 1 Total: 279sks Stage 1 Blend: 279 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	

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 2500', 8 3/4 inch holesize
- 5) Start curve at 10deg/100' build rate
- 6) Drill to csg point of 5464' MD
- 7) R&C 7" csg, circ cmt to surface
- 8) Land at -90 deg, drill lateral to 10504' run 4 1/2 inch cemented liner



Project: San Juan County, NM
Site: S24-T24N-R10W
Well: Good Times G24-2410 02H
Wellbore: Hz
Design: Plan #1



Planning Report

Database: USA EDM 5000 Multi Users DB
 Company: EnCana Oil & Gas (USA) Inc
 Project: San Juan County, NM
 Site: S24-T24N-R10W
 Well: Good Times G24-2410 02H
 Wellbore: Hz
 Design: Plan #1

Local Co-ordinate Reference: Well Good Times G24-2410 02H
 TVD Reference: 16' KB @ 6948.0usft (Aztec)
 MD Reference: 16' KB @ 6948.0usft (Aztec)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

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	S24-T24N-R10W		
Site Position:		Northing:	1,928,556.02 usft
From:	Lat/Long	Easting:	2,717,274.54 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	36.300153
		Longitude:	-107.853075
		Grid Convergence:	-0.01 °

Well	Good Times G24-2410 02H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	36.301147
		Longitude:	-107.844985
		Ground Level:	6,932.0 usft

Wellbore	Hz		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	8/6/2014	9.49
			Dip Angle
			(°)
			Field Strength
			(nT)
			63.00
			50,158

Design	Plan #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			179.91

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	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,933.0	28.66	112.69	3,873.9	-135.4	323.8	2.00	2.00	0.00	112.69	
5,073.5	28.66	112.69	4,874.8	-346.3	828.5	0.00	0.00	0.00	0.00	
5,878.1	91.30	179.91	5,289.1	-920.6	1,043.7	10.00	7.79	8.36	69.18	GT G24-2410 02H PC
10,503.5	91.30	179.91	5,184.1	-5,544.8	1,050.7	0.00	0.00	0.00	0.00	GT G24-2410 02H PE

Planning Report

Database: USA EDM 5000 Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S24-T24N-R10W
Well: Good Times G24-2410 02H
Wellbore: Hz
Design: Plan #1

Local Co-ordinate Reference: Well Good Times G24-2410 02H
TVD Reference: 16' KB @ 6948.0usft (Aztec)
MD Reference: 16' KB @ 6948.0usft (Aztec)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100u)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	9 5/8"
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	
830.0	0.00	0.00	830.0	0.0	0.0	0.0	0.00	0.00	Ojo Alamo Ss.
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	
982.0	0.00	0.00	982.0	0.0	0.0	0.0	0.00	0.00	Kirtland Shale
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	
1,294.0	0.00	0.00	1,294.0	0.0	0.0	0.0	0.00	0.00	Fruitland Coal
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	
1,625.0	0.00	0.00	1,625.0	0.0	0.0	0.0	0.00	0.00	Pictured Cliffs Ss.
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	
1,796.0	0.00	0.00	1,796.0	0.0	0.0	0.0	0.00	0.00	Lewis Shale
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	
2,369.0	0.00	0.00	2,369.0	0.0	0.0	0.0	0.00	0.00	Cliffhouse Ss.
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	KOP @ 2500'
2,600.0	2.00	112.69	2,600.0	-0.7	1.6	0.7	2.00	2.00	
2,700.0	4.00	112.69	2,699.8	-2.7	6.4	2.7	2.00	2.00	
2,800.0	6.00	112.69	2,799.4	-6.1	14.5	6.1	2.00	2.00	
2,900.0	8.00	112.69	2,898.7	-10.8	25.7	10.8	2.00	2.00	
3,000.0	10.00	112.69	2,997.5	-16.8	40.2	16.8	2.00	2.00	
3,100.0	12.00	112.69	3,095.6	-24.1	57.8	24.2	2.00	2.00	
3,123.3	12.47	112.69	3,118.4	-26.0	62.3	26.1	2.00	2.00	Menefee Fn.
3,200.0	14.00	112.69	3,193.0	-32.8	78.5	32.9	2.00	2.00	
3,300.0	16.00	112.69	3,289.6	-42.8	102.4	43.0	2.00	2.00	
3,400.0	18.00	112.69	3,385.3	-54.1	129.4	54.3	2.00	2.00	
3,500.0	20.00	112.69	3,479.8	-66.6	159.4	66.9	2.00	2.00	
3,600.0	22.00	112.69	3,573.2	-80.5	192.5	80.8	2.00	2.00	
3,700.0	24.00	112.69	3,665.2	-95.5	228.5	95.9	2.00	2.00	
3,800.0	26.00	112.69	3,755.8	-111.8	267.5	112.2	2.00	2.00	
3,900.0	28.00	112.69	3,844.9	-129.3	309.4	129.8	2.00	2.00	
3,933.0	28.66	112.69	3,873.9	-135.4	323.8	135.9	2.00	2.00	EOB: Inc=28.66°
4,000.0	28.66	112.69	3,932.8	-147.8	353.5	148.3	0.00	0.00	
4,065.6	28.66	112.69	3,990.4	-159.9	382.5	160.5	0.00	0.00	Point Lookout Ss.
4,100.0	28.66	112.69	4,020.5	-166.3	397.7	166.9	0.00	0.00	
4,200.0	28.66	112.69	4,108.3	-184.8	442.0	185.5	0.00	0.00	

Planning Report

Database: USA EDM 5000 Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S24-T24N-R10W
Well: Good Times G24-2410 02H
Wellbore: Hz
Design: Plan #1

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

Well Good Times G24-2410 02H
 16' KB @ 6948.0usft (Aztec)
 16' KB @ 6948.0usft (Aztec)
 True
 Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100u)	Comments / Formations
4,300.0	28.66	112.69	4,196.0	-203.3	486.2	204.0	0.00	0.00	
4,340.1	28.66	112.69	4,231.2	-210.7	504.0	211.5	0.00	0.00	Mancos Shale
4,400.0	28.66	112.69	4,283.8	-221.8	530.5	222.6	0.00	0.00	
4,500.0	28.66	112.69	4,371.5	-240.2	574.7	241.2	0.00	0.00	
4,600.0	28.66	112.69	4,459.3	-258.7	619.0	259.7	0.00	0.00	
4,700.0	28.66	112.69	4,547.0	-277.2	663.2	278.3	0.00	0.00	
4,800.0	28.66	112.69	4,634.8	-295.7	707.5	296.9	0.00	0.00	
4,900.0	28.66	112.69	4,722.5	-314.2	751.7	315.4	0.00	0.00	
4,979.8	28.66	112.69	4,792.5	-329.0	787.0	330.2	0.00	0.00	Mancos Silt
5,000.0	28.66	112.69	4,810.3	-332.7	796.0	334.0	0.00	0.00	
5,073.5	28.66	112.69	4,874.8	-346.3	828.5	347.6	0.00	0.00	Start build/turn @ 5073' MD
5,100.0	29.70	117.69	4,897.9	-351.8	840.2	353.2	10.00	3.91	
5,200.0	35.03	133.58	4,982.5	-383.2	883.0	384.6	10.00	5.33	
5,299.1	41.85	145.21	5,060.2	-430.1	922.6	431.6	10.00	6.88	Gallup Fn.
5,300.0	41.91	145.29	5,060.8	-430.6	922.9	432.0	10.00	7.41	
5,400.0	49.69	154.08	5,130.6	-492.5	958.7	494.0	10.00	7.78	
5,464.3	54.99	158.70	5,169.9	-539.1	979.0	540.7	10.00	8.24	7" ICP @ 55°
5,500.0	58.00	161.00	5,189.6	-567.0	989.2	568.6	10.00	8.43	
5,600.0	66.62	166.74	5,236.0	-652.0	1,013.6	653.6	10.00	8.62	
5,700.0	75.42	171.76	5,268.5	-744.8	1,031.1	746.4	10.00	8.80	
5,800.0	84.32	176.40	5,286.1	-842.6	1,041.2	844.2	10.00	8.90	
5,872.1	90.76	179.64	5,289.2	-914.5	1,043.7	916.2	10.00	8.94	Horizontal Target
5,878.1	91.30	179.91	5,289.1	-920.6	1,043.7	922.2	10.00	8.94	LP @ 5289' TVD; 91.3° - GT G24-2410 02H PC
5,900.0	91.30	179.91	5,288.6	-942.5	1,043.7	944.1	0.00	0.00	
6,000.0	91.30	179.91	5,286.3	-1,042.4	1,043.9	1,044.1	0.00	0.00	
6,100.0	91.30	179.91	5,284.1	-1,142.4	1,044.0	1,144.0	0.00	0.00	
6,200.0	91.30	179.91	5,281.8	-1,242.4	1,044.2	1,244.0	0.00	0.00	
6,300.0	91.30	179.91	5,279.5	-1,342.3	1,044.3	1,344.0	0.00	0.00	
6,400.0	91.30	179.91	5,277.3	-1,442.3	1,044.5	1,444.0	0.00	0.00	
6,500.0	91.30	179.91	5,275.0	-1,542.3	1,044.6	1,543.9	0.00	0.00	
6,600.0	91.30	179.91	5,272.7	-1,642.3	1,044.8	1,643.9	0.00	0.00	
6,700.0	91.30	179.91	5,270.4	-1,742.2	1,044.9	1,743.9	0.00	0.00	
6,800.0	91.30	179.91	5,268.2	-1,842.2	1,045.1	1,843.9	0.00	0.00	
6,900.0	91.30	179.91	5,265.9	-1,942.2	1,045.2	1,943.8	0.00	0.00	
7,000.0	91.30	179.91	5,263.6	-2,042.2	1,045.4	2,043.8	0.00	0.00	
7,100.0	91.30	179.91	5,261.4	-2,142.1	1,045.6	2,143.8	0.00	0.00	
7,200.0	91.30	179.91	5,259.1	-2,242.1	1,045.7	2,243.8	0.00	0.00	
7,300.0	91.30	179.91	5,256.8	-2,342.1	1,045.9	2,343.7	0.00	0.00	
7,400.0	91.30	179.91	5,254.6	-2,442.1	1,046.0	2,443.7	0.00	0.00	
7,500.0	91.30	179.91	5,252.3	-2,542.0	1,046.2	2,543.7	0.00	0.00	
7,600.0	91.30	179.91	5,250.0	-2,642.0	1,046.3	2,643.6	0.00	0.00	
7,700.0	91.30	179.91	5,247.7	-2,742.0	1,046.5	2,743.6	0.00	0.00	
7,800.0	91.30	179.91	5,245.5	-2,842.0	1,046.6	2,843.6	0.00	0.00	
7,900.0	91.30	179.91	5,243.2	-2,941.9	1,046.8	2,943.6	0.00	0.00	
8,000.0	91.30	179.91	5,240.9	-3,041.9	1,046.9	3,043.5	0.00	0.00	
8,100.0	91.30	179.91	5,238.7	-3,141.9	1,047.1	3,143.5	0.00	0.00	
8,200.0	91.30	179.91	5,236.4	-3,241.9	1,047.2	3,243.5	0.00	0.00	
8,300.0	91.30	179.91	5,234.1	-3,341.8	1,047.4	3,343.5	0.00	0.00	
8,400.0	91.30	179.91	5,231.9	-3,441.8	1,047.5	3,443.4	0.00	0.00	
8,500.0	91.30	179.91	5,229.6	-3,541.8	1,047.7	3,543.4	0.00	0.00	
8,600.0	91.30	179.91	5,227.3	-3,641.7	1,047.8	3,643.4	0.00	0.00	
8,700.0	91.30	179.91	5,225.0	-3,741.7	1,048.0	3,743.4	0.00	0.00	

Planning Report

Database: USA EDM 5000 Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S24-T24N-R10W
Well: Good Times G24-2410 02H
Wellbore: Hz
Design: Plan #1

Local Co-ordinate Reference: Well Good Times G24-2410 02H
TVD Reference: 16' KB @ 6948.0usft (Aztec)
MD Reference: 16' KB @ 6948.0usft (Aztec)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100u)	Comments / Formations
8,800.0	91.30	179.91	5,222.8	-3,841.7	1,048.1	3,843.3	0.00	0.00	
8,900.0	91.30	179.91	5,220.5	-3,941.7	1,048.3	3,943.3	0.00	0.00	
9,000.0	91.30	179.91	5,218.2	-4,041.6	1,048.4	4,043.3	0.00	0.00	
9,100.0	91.30	179.91	5,216.0	-4,141.6	1,048.6	4,143.3	0.00	0.00	
9,200.0	91.30	179.91	5,213.7	-4,241.6	1,048.7	4,243.2	0.00	0.00	
9,300.0	91.30	179.91	5,211.4	-4,341.6	1,048.9	4,343.2	0.00	0.00	
9,400.0	91.30	179.91	5,209.2	-4,441.5	1,049.0	4,443.2	0.00	0.00	
9,500.0	91.30	179.91	5,206.9	-4,541.5	1,049.2	4,543.2	0.00	0.00	
9,600.0	91.30	179.91	5,204.6	-4,641.5	1,049.3	4,643.1	0.00	0.00	
9,700.0	91.30	179.91	5,202.3	-4,741.5	1,049.5	4,743.1	0.00	0.00	
9,800.0	91.30	179.91	5,200.1	-4,841.4	1,049.6	4,843.1	0.00	0.00	
9,900.0	91.30	179.91	5,197.8	-4,941.4	1,049.8	4,943.1	0.00	0.00	
10,000.0	91.30	179.91	5,195.5	-5,041.4	1,049.9	5,043.0	0.00	0.00	
10,100.0	91.30	179.91	5,193.3	-5,141.4	1,050.1	5,143.0	0.00	0.00	
10,200.0	91.30	179.91	5,191.0	-5,241.3	1,050.2	5,243.0	0.00	0.00	
10,300.0	91.30	179.91	5,188.7	-5,341.3	1,050.4	5,342.9	0.00	0.00	
10,400.0	91.30	179.91	5,186.5	-5,441.3	1,050.5	5,442.9	0.00	0.00	
10,500.0	91.30	179.91	5,184.2	-5,541.3	1,050.7	5,542.9	0.00	0.00	
10,503.5	91.30	179.91	5,184.1	-5,544.8	1,050.7	5,546.5	0.00	0.00	TD at 10503.5 - GT G24-2410 02H PBHL

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
GT G24-2410 02H PBHL - plan hits target center - Point	0.00	0.00	5,184.1	-5,544.8	1,050.7	1,923,372.53	2,720,708.40	36.285915	-107.841420
GT G24-2410 02H POE - plan hits target center - Point	0.00	0.00	5,289.1	-920.6	1,043.7	1,927,996.75	2,720,702.01	36.298618	-107.841443

500.0	500.0	9 5/8"	0	0
5,464.3	5,169.9	7" ICP @ 55°	0	0

Planning Report

Database: USA EDM 5000 Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S24-T24N-R10W
Well: Good Times G24-2410 02H
Wellbore: Hz
Design: Plan #1

Local Co-ordinate Reference: Well Good Times G24-2410 02H
TVD Reference: 16' KB @ 6948.0usft (Aztec)
MD Reference: 16' KB @ 6948.0usft (Aztec)
North Reference: True
Survey Calculation Method: Minimum Curvature

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
830.0	830.0	Ojo Alamo Ss.		-1.30	179.91
982.0	982.0	Kirtland Shale		-1.30	179.91
1,294.0	1,294.0	Fruitland Coal		-1.30	179.91
1,625.0	1,625.0	Pictured Cliffs Ss.		-1.30	179.91
1,796.0	1,796.0	Lewis Shale		-1.30	179.91
2,369.0	2,369.0	Cliffhouse Ss.		-1.30	179.91
3,123.3	3,119.0	Menefee Fn.		-1.30	179.91
4,065.6	3,994.0	Point Lookout Ss.		-1.30	179.91
4,340.1	4,236.0	Mancos Shale		-1.30	179.91
4,979.8	4,800.0	Mancos Silt		-1.30	179.91
5,299.1	5,070.0	Gallup Fn.		-1.30	179.91
5,872.1	5,310.0	Horizontal Target		-1.30	179.91

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,500.0	2,500.0	0.0	0.0	KOP @ 2500'
3,933.0	3,873.9	-135.4	323.8	EOB: Inc=28.66°
5,073.5	4,874.8	-346.3	828.5	Start build/turn @ 5073' MD
5,878.1	5,289.1	-920.6	1,043.7	LP @ 5289' TVD; 91.3°
10,503.5	5,184.1	-5,544.8	1,050.7	TD at 10503.5

EnCana Oil & Gas (USA) Inc

San Juan County, NM

S24-T24N-R10W

Good Times G24-2410 02H

Hz

Plan #1

Anticollision Report

06 August, 2014

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times G24-2410 02H
Project:	San Juan County, NM	TVD Reference:	16' KB @ 6948.0usft (Aztec)
Reference Site:	S24-T24N-R10W	MD Reference:	16' KB @ 6948.0usft (Aztec)
Site Error:	0.0usft	North Reference:	True
Reference Well:	Good Times G24-2410 02H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0usft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference	Plan #1
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria
Interpolation Method:	MD Interval 100.0usft
Depth Range:	Unlimited
Results Limited by:	Maximum center-center distance of 1,236.4usft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	Systematic Ellipse
Scan Method:	Closest Approach 3D
Error Surface:	Elliptical Conic

Survey Tool Program	Date	8/6/2014
From (usft)	To (usft)	Survey (Wellbore)
0.0	10,503.5	Plan #1 (Hz)
		Tool Name
		Geolink MWD
		Description
		Geolink MWD

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
S24-T24N-R10W						
Good Times G24-2410 01H - Hz - Plan #1	2,500.0	2,500.0	29.8	21.1	3.434	CC, ES
Good Times G24-2410 01H - Hz - Plan #1	2,600.0	2,600.0	30.7	21.6	3.399	SF
S25-T24N-R10W						
Good Times P25-2410 01H - Hz - Plan #1	10,504.4	5,662.8	791.1	761.4	26.639	CC, ES, SF

Anticollision Report

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Reference Site: S24-T24N-R10W
Site Error: 0.0usft
Reference Well: Good Times G24-2410 02H
Well Error: 0.0usft
Reference Wellbore: Hz
Reference Design: Plan #1

Local Co-ordinate Reference: Well Good Times G24-2410 02H
TVD Reference: 16' KB @ 6948.0usft (Aztec)
MD Reference: 16' KB @ 6948.0usft (Aztec)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: USA EDM 5000 Multi Users DB
Offset TVD Reference: Offset Datum

Offset Design S24-T24N-R10W - Good Times G24-2410 01H - Hz - Plan #1													Offset Site Error:	0.0 usft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance		Total		Separation		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Uncertainty Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-128.57	-18.6	-23.3	29.8					
100.0	100.0	100.0	100.0	0.1	0.1	-128.57	-18.6	-23.3	29.8	29.5	0.29	101.546		
200.0	200.0	200.0	200.0	0.3	0.3	-128.57	-18.6	-23.3	29.8	29.1	0.64	46.358		
300.0	300.0	300.0	300.0	0.5	0.5	-128.57	-18.6	-23.3	29.8	28.8	0.99	30.035		
400.0	400.0	400.0	400.0	0.7	0.7	-128.57	-18.6	-23.3	29.8	28.4	1.34	22.213		
500.0	500.0	500.0	500.0	0.8	0.8	-128.57	-18.6	-23.3	29.8	28.1	1.69	17.624		
600.0	600.0	600.0	600.0	1.0	1.0	-128.57	-18.6	-23.3	29.8	27.7	2.04	14.606		
700.0	700.0	700.0	700.0	1.2	1.2	-128.57	-18.6	-23.3	29.8	27.4	2.39	12.471		
800.0	800.0	800.0	800.0	1.4	1.4	-128.57	-18.6	-23.3	29.8	27.0	2.74	10.880		
900.0	900.0	900.0	900.0	1.5	1.5	-128.57	-18.6	-23.3	29.8	26.7	3.09	9.649		
1,000.0	1,000.0	1,000.0	1,000.0	1.7	1.7	-128.57	-18.6	-23.3	29.8	26.3	3.43	8.669		
1,100.0	1,100.0	1,100.0	1,100.0	1.9	1.9	-128.57	-18.6	-23.3	29.8	26.0	3.78	7.869		
1,200.0	1,200.0	1,200.0	1,200.0	2.1	2.1	-128.57	-18.6	-23.3	29.8	25.6	4.13	7.204		
1,300.0	1,300.0	1,300.0	1,300.0	2.2	2.2	-128.57	-18.6	-23.3	29.8	25.3	4.48	6.643		
1,400.0	1,400.0	1,400.0	1,400.0	2.4	2.4	-128.57	-18.6	-23.3	29.8	24.9	4.83	6.163		
1,500.0	1,500.0	1,500.0	1,500.0	2.6	2.6	-128.57	-18.6	-23.3	29.8	24.6	5.18	5.748		
1,600.0	1,600.0	1,600.0	1,600.0	2.8	2.8	-128.57	-18.6	-23.3	29.8	24.2	5.53	5.385		
1,700.0	1,700.0	1,700.0	1,700.0	2.9	2.9	-128.57	-18.6	-23.3	29.8	23.9	5.88	5.065		
1,800.0	1,800.0	1,800.0	1,800.0	3.1	3.1	-128.57	-18.6	-23.3	29.8	23.5	6.23	4.781		
1,900.0	1,900.0	1,900.0	1,900.0	3.3	3.3	-128.57	-18.6	-23.3	29.8	23.2	6.58	4.528		
2,000.0	2,000.0	2,000.0	2,000.0	3.5	3.5	-128.57	-18.6	-23.3	29.8	22.8	6.93	4.299		
2,100.0	2,100.0	2,100.0	2,100.0	3.6	3.6	-128.57	-18.6	-23.3	29.8	22.5	7.27	4.093		
2,200.0	2,200.0	2,200.0	2,200.0	3.8	3.8	-128.57	-18.6	-23.3	29.8	22.2	7.62	3.906		
2,300.0	2,300.0	2,300.0	2,300.0	4.0	4.0	-128.57	-18.6	-23.3	29.8	21.8	7.97	3.735		
2,400.0	2,400.0	2,400.0	2,400.0	4.2	4.2	-128.57	-18.6	-23.3	29.8	21.5	8.32	3.578		
2,500.0	2,500.0	2,500.0	2,500.0	4.3	4.3	-128.57	-18.6	-23.3	29.8	21.1	8.67	3.434 CC, ES		
2,600.0	2,600.0	2,600.0	2,600.0	4.5	4.5	121.59	-18.6	-23.3	30.7	21.6	9.02	3.399 SF		
2,700.0	2,699.8	2,699.8	2,699.8	4.7	4.7	129.14	-18.6	-23.3	33.7	24.3	9.36	3.598		
2,800.0	2,799.5	2,799.5	2,799.5	4.9	4.9	138.82	-18.6	-23.3	39.8	30.1	9.70	4.099		
2,900.0	2,898.7	2,898.7	2,898.7	5.1	5.0	148.00	-18.6	-23.3	49.6	39.6	10.03	4.947		
3,000.0	2,997.5	2,997.5	2,997.5	5.3	5.2	155.38	-18.6	-23.3	63.5	53.1	10.34	6.134		
3,100.0	3,095.6	3,095.6	3,095.6	5.5	5.4	160.86	-18.6	-23.3	81.2	70.6	10.65	7.630		
3,200.0	3,193.1	3,193.1	3,193.1	5.8	5.5	164.86	-18.6	-23.3	102.8	91.8	10.94	9.399		
3,300.0	3,289.6	3,289.6	3,289.6	6.1	5.7	167.77	-18.6	-23.3	128.0	116.8	11.21	11.413		
3,400.0	3,385.3	3,385.3	3,385.3	6.5	5.9	169.93	-18.6	-23.3	156.7	145.2	11.48	13.651		
3,500.0	3,479.8	3,479.8	3,479.8	7.0	6.0	171.55	-18.6	-23.3	188.9	177.2	11.73	16.097		
3,600.0	3,573.2	3,571.7	3,571.7	7.5	6.2	172.46	-19.6	-23.8	224.7	212.7	11.98	18.758		
3,700.0	3,665.2	3,661.4	3,661.2	8.0	6.4	172.31	-24.0	-26.1	264.5	252.2	12.22	21.644		
3,800.0	3,755.8	3,748.9	3,748.3	8.7	6.5	171.51	-31.4	-29.9	308.2	295.7	12.46	24.725		
3,900.0	3,844.9	3,833.8	3,832.5	9.4	6.7	170.33	-41.6	-35.1	355.7	343.0	12.72	27.968		
4,000.0	3,932.8	3,916.2	3,913.6	10.2	6.9	169.06	-54.3	-41.7	406.5	393.4	13.08	31.079		
4,100.0	4,020.5	3,997.0	3,992.6	11.0	7.1	167.70	-69.5	-49.5	458.4	444.9	13.52	33.917		
4,200.0	4,108.3	4,076.1	4,069.3	11.8	7.3	166.25	-86.8	-58.4	511.4	497.4	14.00	36.530		
4,300.0	4,196.0	4,153.4	4,143.4	12.6	7.5	164.76	-106.2	-68.4	565.5	551.0	14.53	38.919		
4,400.0	4,283.8	4,228.8	4,214.9	13.5	7.8	163.26	-127.4	-79.3	620.9	605.8	15.11	41.087		
4,500.0	4,371.5	4,302.0	4,283.5	14.3	8.0	161.77	-150.1	-91.0	677.5	661.8	15.74	43.045		
4,600.0	4,459.3	4,379.4	4,355.3	15.2	8.4	160.25	-175.8	-104.2	735.3	718.9	16.45	44.713		
4,700.0	4,547.0	4,459.4	4,429.4	16.1	8.7	158.88	-202.4	-117.9	793.5	776.3	17.19	46.150		
4,800.0	4,634.8	4,539.3	4,503.6	17.0	9.1	157.70	-229.1	-131.6	851.9	834.0	17.96	47.425		
4,900.0	4,722.5	4,619.2	4,577.7	17.8	9.5	156.66	-255.7	-145.3	910.6	891.8	18.75	48.556		
5,000.0	4,810.3	4,699.2	4,651.8	18.7	9.9	155.75	-282.3	-159.0	969.4	949.8	19.56	49.562		
5,100.0	4,897.9	4,779.2	4,726.0	19.6	10.3	148.68	-309.0	-172.8	1,028.3	1,007.6	20.73	49.605		

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

Anticollision Report

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Reference Site: S24-T24N-R10W
Site Error: 0.0usft
Reference Well: Good Times G24-2410 02H
Well Error: 0.0usft
Reference Wellbore: Hz
Reference Design: Plan #1

Local Co-ordinate Reference: Well Good Times G24-2410 02H
TVD Reference: 16' KB @ 6948.0usft (Aztec)
MD Reference: 16' KB @ 6948.0usft (Aztec)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: USA EDM 5000 Multi Users DB
Offset TVD Reference: Offset Datum

Offset Design S24-T24N-R10W - Good Times G24-2410 01H - Hz - Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Distance		Total		Separation		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Uncertainty Axis	Factor		
5,200.0	4,982.5	4,860.7	4,801.6	20.6	10.7	128.39	-336.1	-186.7	1,086.0	1,062.9	23.03	47.160		
5,300.0	5,060.8	4,942.3	4,877.2	21.6	11.2	114.02	-363.3	-200.7	1,140.5	1,115.3	25.25	45.177		
5,400.0	5,130.6	5,032.4	4,959.6	22.7	11.8	104.25	-396.2	-216.0	1,190.9	1,163.7	27.26	43.683		
5,500.0	5,189.6	5,138.2	5,048.9	23.8	12.6	97.65	-450.3	-232.5	1,235.4	1,206.1	29.25	42.238		

Anticollision Report

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Reference Site: S24-T24N-R10W
Site Error: 0.0usft
Reference Well: Good Times G24-2410 02H
Well Error: 0.0usft
Reference Wellbore: Hz
Reference Design: Plan #1

Local Co-ordinate Reference: Well Good Times G24-2410 02H
TVD Reference: 16' KB @ 6948.0usft (Aztec)
MD Reference: 16' KB @ 6948.0usft (Aztec)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: USA EDM 5000 Multi Users DB
Offset TVD Reference: Offset Datum

Offset Design S25-T24N-R10W - Good Times P25-2410 01H - Hz - Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
10,100.0	5,193.3	5,660.5	5,149.0	94.0	23.5	-12.14	-6,335.2	1,058.8	1,195.3	1,162.0	33.34	35.848		
10,200.0	5,191.0	5,661.1	5,149.0	95.7	23.5	-11.16	-6,335.2	1,058.2	1,095.4	1,062.9	32.44	33.764		
10,300.0	5,188.7	5,661.6	5,149.0	97.4	23.5	-10.18	-6,335.2	1,057.6	995.4	963.9	31.53	31.568		
10,400.0	5,186.5	5,662.2	5,149.0	99.1	23.6	-9.19	-6,335.2	1,057.1	895.5	864.8	30.63	29.239		
10,500.0	5,184.2	5,662.8	5,149.0	100.8	23.6	-8.20	-6,335.2	1,056.5	795.5	765.8	29.74	26.754		
10,504.4	5,184.1	5,662.8	5,149.0	100.9	23.6	-8.16	-6,335.2	1,056.5	791.1	761.4	29.70	26.639	CC, ES, SF	

Anticollision Report

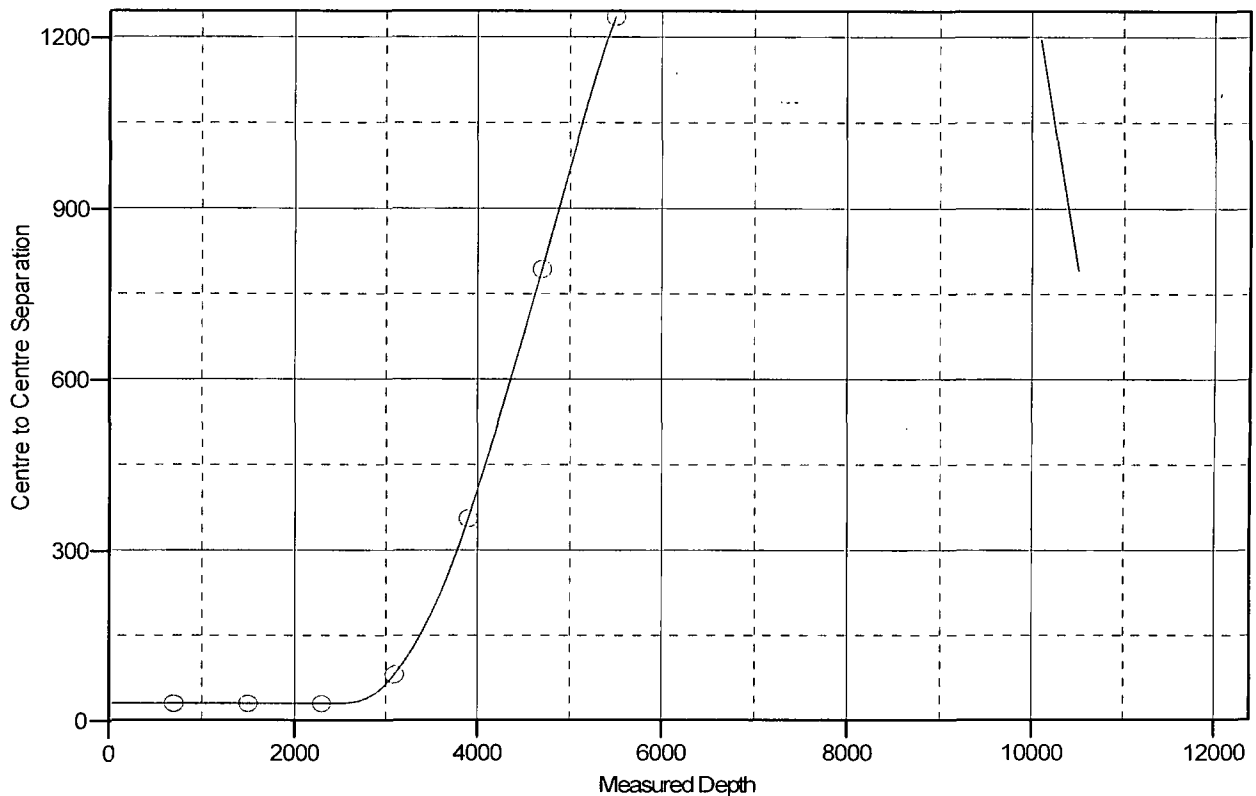
Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Reference Site: S24-T24N-R10W
Site Error: 0.0usft
Reference Well: Good Times G24-2410 02H
Well Error: 0.0usft
Reference Wellbore: Hz
Reference Design: Plan #1

Local Co-ordinate Reference: Well Good Times G24-2410 02H
TVD Reference: 16' KB @ 6948.0usft (Aztec)
MD Reference: 16' KB @ 6948.0usft (Aztec)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: USA EDM 5000 Multi Users DB
Offset TVD Reference: Offset Datum

Reference Depths are relative to 16' KB @ 6948.0usft (Aztec)
 Offset Depths are relative to Offset Datum
 Central Meridian is -107.833333 °

Coordinates are relative to: Good Times G24-2410 02H
 Coordinate System is US State Plane 1983, New Mexico Western Zone
 Grid Convergence at Surface is: -0.01°

Ladder Plot



LEGEND

—○— Good Times G24-2410 01H, Hz, Plan #1 V0 —◇— Good Times P25-2410 01H, Hz, Plan #1 V0

Good Times G24-2410 02H

**SHL: SWNE Section 24, T24N, R10W
2048 FNL and 1701 FEL**

**BHL: SWNE Section 25, T24N, R10W
2312 FNL and 1980 FEL**

San Juan County, New Mexico

Lease Number: NM 62973 and NM 5991

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 10.4 feet on corner 6 and the maximum fill will be approximately 11.2 feet on corner 3.

4. As determined during the onsite on July 08, 2014, the following best management practices will be implemented:
 - a. Water will be diverted around the well pad above the cut from corner #6 toward corner #2 and around toward corner #3 and also from corner #6 toward corner #5.
 - b. 2 silt traps will be constructed in the EOD near corner #5 and also in the EOD near corner #3.
 - c. A 24-inch culvert will be installed at the proposed well pad entrance.
 - d. A 24-inch culvert will be installed in the drainage near STA 4+25 and will drain into the 30' x 50' silt trap.
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 3 weeks.

C. Pipeline

See the initial Standard SF-299 Application for authorization to construct, operate, maintain and terminate a 2388 foot, up to 6-inch outside diameter, buried steel well connect pipeline that was submitted to the Bureau of Land Management on June 19, 2014.

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.
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.

Good Times G24-2410 02H

SHL: SWNE Section 24, T24N, R10W
2048 FNL and 1701 FEL

BHL: SWNE Section 25, T24N, R10W
2312 FNL and 1980 FEL

San Juan County, New Mexico

Lease Number: NM 62973 and NM 5991

B. Drilling Fluids

1. 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.
2. 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.

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 operations. The accumulated trash will be removed, as needed, and will be disposed of at an authorized sanitary landfill. No trash will be buried or burned on location.

G. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash container will be cleaned up and removed from the well location.

H. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing or completing of this well.

I. No extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

8. ANCILLARY FACILITIES

- A. Standard drilling operation equipment that will be on location includes: drilling rig with associated equipment, temporary office trailers equipped with sleeping quarters for essential company personnel, toilet facilities, and trash containers.

ENCANA OIL & GAS (USA) INC.
GOOD TIMES G24-2410 #02H
2048' FNL & 1701' FEL
LOCATED IN THE SW/4 NE/4 OF SECTION 24,
T24N, R10W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM THE INTERSECTION OF HWY 64 & HWY 550 IN BLOOMFIELD, GO SOUTH ON HWY 550, 28.2 MILES TO HWY 57 (M.P. 123.4).
- 2) TURN RIGHT ON HWY 57 AND GO 7.2 MILES.
- 3) TURN LEFT AND GO 1.1 MILES TO "Y" INTERSECTION.
- 4) TURN LEFT AND GO 0.7 MILES TO "Y" INTERSECTION.
- 5) TURN RIGHT AND GO 0.9 MILES TO "T" INTERSECTION.
- 6) TURN LEFT AND GO 1.4 MILES.
- 7) TURN LEFT AND GO TO SOUTHSIDE OF WELL PAD WHERE ACCESS IS STAKED.

WELL FLAG LOCATED AT LAT. 36.301147° N, LONG. 107.844985° W (NAD 83).

JOB No.: ENC062
DATE: 10/08/13



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

WELLHEAD BLOWOUT CONTROL SYSTEM

encana

Well Name and Number:
Good Times G24-2410 02H

