

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary-Designate

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

Jami Bailey, Division Director
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-3 APD form.

Operator Signature Date: 6/11/14

Well information;

Operator Enrana, Well Name and Number Good Times N02-2410 # 01H

API# 30-045-35561, Section 2, Township 24 (N)S, Range 10 (E)W

Conditions of Approval:

(See the below checked and handwritten conditions)

- ☒ Notify Aztec OCD 24hrs prior to casing & cement.
- ☒ Hold C-104 for directional survey & "As Drilled" Plat
- ☒ Hold C-104 for NSL NSP, DHC
- ☐ Spacing rule violation. Operator must follow up with change of status notification on other well to be shut in or abandoned
- ☐ Regarding the use of a pit, closed loop system or below grade tank, the operator must comply with the following as applicable:
 - A pit requires a complete C-144 be submitted and approved prior to the construction or use of the pit, pursuant to 19.15.17.8.A
 - A closed loop system requires notification prior to use, pursuant to 19.15.17.9.A
 - A below grade tank requires a registration be filed prior to the construction or use of the below grade tank, pursuant to 19.15.17.8.C
- ☐ Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
- ☒ 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.

Chad Lewis

NMOCD Approved by Signature

8-28-2014
Date LC

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

JUN 09 2014

APPLICATION FOR PERMIT TO DRILL OR REENTER

Farmington Field Office
Bureau of Land Management

1a. Type of work: ☒ DRILL ☐ REENTER		5. Lease Serial No. NMNM 112955	
1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone		6. If Indian, Allottee or Tribe Name N/A	
2. Name of Operator Encana Oil & Gas (USA) Inc.		7. If Indian, Allottee or Tribe Name N/A	
3a. Address 370 17th Street, Suite 1700 Denver, CO 80202		8. Lease Name and Well No. Good Times N02-2410 01H	
3b. Phone No. (include area code) 720-876-3533		9. API Well No. 30-045-35561	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface N 330' FSL and 1323' FWL Section 2, T24N, R10W At proposed prod. zone M 330' FSL and 750' FWL Section 11, T24N, R10W		10. Field and Pool, or Exploratory Basin Mancos	
14. Distance in miles and direction from nearest town or post office* +/- 37.1 miles southwest of the intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM		11. Sec., T. R. M. or Blk. and Survey or Area Section 11, T24N, R10W NMPM Section 2, T24N, R10W	
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 Section 11, T24N, R10W		12. County or Parish San Juan	
16. No. of acres in lease NMNM 112955 - 1761.69		13. State NM	
17. Spacing Unit dedicated to this well 320 acres - W2 Section 11, T24N, R10W		18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Good Times N02-2410 02H +/- 30' of SHL	
19. Proposed Depth 5,350' TVD/10,668' MD		20. BLM/BIA Bond No. on file COB-000235	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6,865' GL, 6,881' KB		22. Approximate date work will start* 02/01/2015	
23. Estimated duration 20 days		24. Attachments	

OIL CONS. DIV DIST. 3
AUG 14 2014

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this 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 SUPO must be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the BLM.

25. Signature	Name (Printed/Typed) Katie Wegner	Date 6/1/14
Title Regulatory Analyst		
Approved by (Signature)	Name (Printed/Typed) AFM	Date 8/12/14
Title AFM	Office FPO	

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)

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

NMOCDA

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

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

DISTRICT I
1688 E. French Dr., Hobbs, N.M. 88240
Phone: (505) 688-0161 Fax: (505) 688-0780

DISTRICT II
811 E. First St., Artesia, N.M. 88210
Phone: (505) 746-1800 Fax: (505) 746-0780

DISTRICT III
1000 E. Grand Ave., Aztec, N.M. 87410
Phone: (505) 834-8178 Fax: (505) 834-8170

DISTRICT IV
1000 E. E. French Dr., Santa Fe, N.M. 87505
Phone: (505) 478-8480 Fax: (505) 478-8483

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-108
Revised August 1, 2011

Submit one copy to appropriate
District Office

JUN 09 2014

Farmington Field Office AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-35561		Pool Code 97232	Pool Name BASIN MANCOS
Property Code 313632	Property Name GOOD TIMES NO2-2410		Well Number 01H
GRID No. 282327	Operator Name ENCANA OIL & GAS (USA) INC.		Elevation 6865.3'

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
N	2	24N	10W		330'	SOUTH	1323'	WEST	SAN JUAN

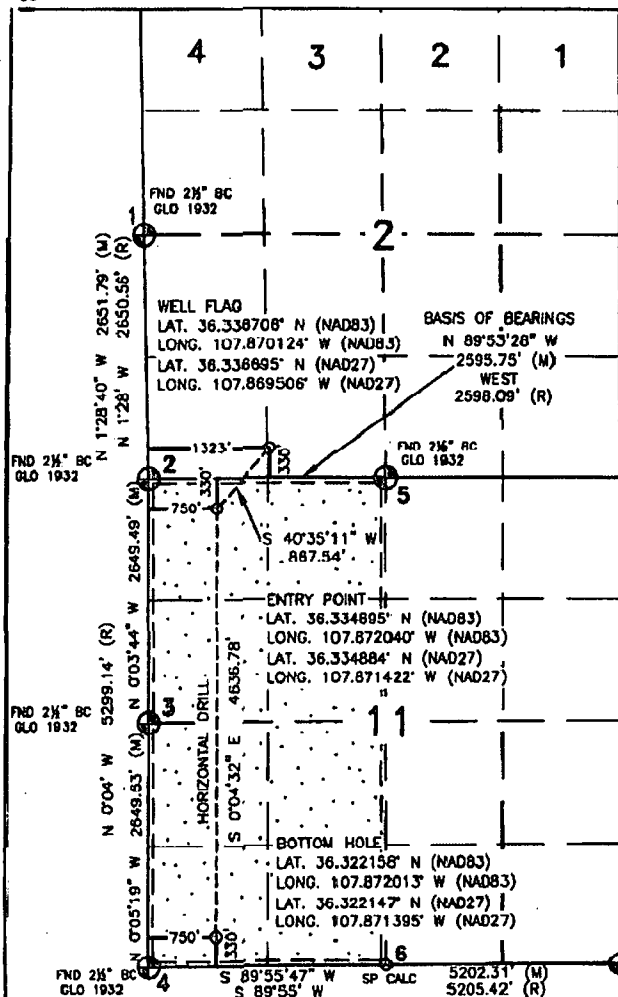
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	11	24N	10W		330'	SOUTH	750'	WEST	SAN JUAN

Dedicated Acres 320.00 ACRES W/2 SEC. 11	PROJECT AREA	Joint or Infill	Consolidation Code	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

18



17 OPERATOR CERTIFICATION

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

Katie Wegner 04/30/14
Signature Date

Katie Wegner

Printed Name

Katie.wegner@encana.com

E-mail Address

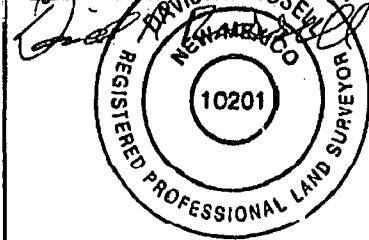
SURVEYOR CERTIFICATION

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

FEBRUARY 19, 2013

Date of Survey

Signature and Seal of Registered Professional Land Surveyor



DAVID RUSSELL

Certificate Number

10201

Good Times N02-2410 01H
 SHL: SESW Section 2, T24N, R10W
 330' FSL and 1323' FWL
 BHL: SWSW Section 11, T24N, R10W
 330' FSL and 750' FWL
 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
Ojo Alamo Ss.	840
Kirtland Shale	994
Fruitland Coal	1,329
Pictured Cliffs Ss.	1,702
Lewis Shale	1,830
Cliffhouse Ss.	2,501
Menefee Fn.	3,231
Point Lookout Ss.	4,183
Mancos Shale	4,364
Mancos Silt	4,929
Gallup Fn.	5,197

The referenced surface elevation is 6865', KB 6881'

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

Substance	Formation	Depth (TVD) units = feet
Water/Gas	Fruitland Coal	1,329
Oil/Gas	Pictured Cliffs Ss.	1,702
Oil/Gas	Cliffhouse Ss.	2,501
Gas	Menefee Fn.	3,231
Oil/Gas	Point Lookout Ss.	4,183
Oil/Gas	Mancos Shale	4,364
Oil/Gas	Mancos Silt	4,929
Oil/Gas	Gallup Fn.	5,197

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

3. PRESSURE CONTROL

- a) Pressure control equipment and configuration will be designed to meet 2M standards.
- b) Working pressure on rams and BOPE will be 3,000 psi.
- c) Function test and visual inspection of the BOP will be conducted daily and noted in the IADC Daily Drilling Report.
- d) The Annular BOP will be pressure tested to a minimum of 50 percent of its rated working pressure.
- e) Blind and Pipe Rams/BOP will be tested against a test plug to 100 percent of rated working pressure.
- f) Pressure tests are required before drilling out from under all casing strings set and cemented in place.

Good Times N02-2410 01H

SHL: SESW Section 2, T24N, R10W

330' FSL and 1323' FWL

BHL: SWSW Section 11, T24N, R10W

330' FSL and 750' FWL

San Juan, New Mexico

- 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
- 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'	30"	20"	94#	
Surface	0'-500'	12 1/4"	9 5/8"	36#	J55, STC New
Intermediate	0'-5935'	8 3/4"	7"	26#	J55, LTC New
Production Liner	5735'-10668'	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

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.

Good Times N02-2410 01H

SHL: SESW Section 2, T24N, R10W

330' FSL and 1323' FWL

BHL: SWSW Section 11, T24N, R10W

330' FSL and 750' FWL

San Juan, New Mexico

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'	314 sks	HALCEM™ SYSTEM + 2% CaCl ₂ + 0.125lbm/sk Poly-E-Flake. 15.8 ppg, 1.174 cuft/sk	Surface	1 per joint on bottom 3 joints
Intermediate	0'-5935'	30% open hole excess Stage 1 Lead: 366 sks Stage 1 Tail: 404 sks Stage 2 Lead: 182 sks	Stage 1 Lead: HALCEM™ SYSTEM + 0.2% HR-5 + 5lbm/sk Kol-Seal + 0.125lbm/sk Poly-E-Flake. 12.3 ppg, 1.948 cuft/sk Stage 1 Tail: VARICEM™ CEMENT + .15% CFR-3 + 5lbm/sk Kol-Seal + 0.125% Poly-E-Flake. 13.5 ppg, 1.308 cuft/sk. Stage 2 Contingency: HALCEM™ SYSTEM + 5lbm/sk Kol-Seal + 0.125lbm/sk Poly-E-Flake. 12.3 ppg,	Surface	1 every 3 joints through water bearing zones
Production Liner	5735'-10668'	None - External Casing Packers	N/A	N/A	N/A

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

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

All waiting on cement times shall be a minimum of 8 hours or adequate to achieve 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 4743'. Directional plans are attached.

Description	Proposed Depth (TVD/MD)	Formation
Horizontal Lateral TD	5350'/10668'	Gallup

Good Times N02-2410 01H

SHL: SESW Section 2, T24N, R10W

330' FSL and 1323' FWL

BHL: SWSW Section 11, T24N, R10W

330' FSL and 750' FWL

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'-5428'/5935'	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"	5428'/5935'- 5350'/10668'	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 +/- 2547 psi based on a 9.0 ppg at 5442' 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.

Good Times N02-2410 01H

SHL: SESW Section 2, T24N, R10W

330' FSL and 1323' FWL

BHL: SWSW Section 11, T24N, R10W

330' FSL and 750' FWL

San Juan, New Mexico

9. ANTICIPATED START DATE AND DURATION OF OPERATIONS

Drilling is estimated to commence on February 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: NW/4 NW/4 Sec 11 24N 10W 330°FN			Encana Natural Gas			ENG: Michael Sancti 6/3/14		
County: San Juan			WELL SUMMARY			RIG: Artec 950		
WELL: Good Times N02-2410 01H						GLE: 6885		
						RKBE: 6881		
MWD	OPEN HOLE	FORM	DEPTH		HOLE	CASINO	MW	DEVIATION
LWD	LOGGING		TVD	MD				
			60	60'		20" 94# 100sx Type I Neat 16.0ppg cmt	Fresh wtr 8.3-9.2	
Multi-Well pad - take survey every stand and run anti- collision report prior to spud	None				12 1/4	9 5/8" 36ppf J55 STC	Fresh wtr 8.3-10	Vertical <1°
		Nacimiento 9 5/8" Csg	0 500	500.00		TOC Surface with 100% OH Excess: 314 sks of HALCEM™ SYSTEM + 2% CaCl2 + 0.125lbm/sk Poly-E-Flake. Mixed at 15.8 ppg. Yield 1.174 cuft/sk.		
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	840 894	Stage tool @ ~ 1,880	8 3/4	7" 26ppf J55 LTC	Fresh Wtr 8.3-10	Vertical <1°
		Fruitland Coal	1,329			TOC @ surface 30% OH excess: 770 sks Total. If necessary, Stage 2 Total: 182sks		
		Pictured Cliffs Ss. Lewis Shale	1,702 1,830			Stage 1 Lead: 366 sks HALCEM™ SYSTEM + 0.2% HR-5 + 5lbm/sk Kol- Seal + 0.125lbm/sk Poly-E-Flake. Mixed at 12.3 ppg. Yield 1.948 cuft/sk.		
		Cliffhouse Ss. Menefee Fn.	2,501 3,231			Stage 1 Tail: 404 sks VARICEM™ CEMENT + .15% CFR-3 + 5lbm/sk Kol- Seal + 0.125% Poly-E-Flake. Mixed at 13.5 ppg. Yield 1.308 cuft/sk.		
		Point Lookout Ss. Mancos Shale	4,183 4,384			Stage 2: 182 sks HALCEM™ SYSTEM + 5lbm/sk Kol-Seal + 0.125lbm/sk Poly- E-Flake. Mixed at 12.3 ppg. Yield 1.946 cuft/sk.		
Surveys every 30' through the curve	Mud logger onsite	KOP	4,743	4,743				
		Mancos S2L	4,929					
		Gallup Fn. 7" Csg	5,197 5,428	5,935'				
Surveys every stand to TD unless directed otherwise by Geologist	No OH Logs	Horizontal Target TD	5,442 5,350	10,668	6 1/8	200' overlap at liner top 4733' Drilled Lateral		Horiz Inc/TVD 91deg/5442ft
		Base Gallup	5,409			4 1/2" 11.6ppf SB80 LTC	WBM 8.3-10	TD = 10668.2 MD
MWD Gamma Directional						Running external swellable csg packers for isolation of prod string Plan on setting top packer within 100' of intermediate casing shoe		

NOTES:

- 1) Drill with 30" bit to 60', set 20" 94# conductor pipe
- 2) Drill surface to 500', R&C 9 5/8" casing
- 3) N/A BOP and surface equipment
- 4) Drill to KOP of 4743', 8 3/4 inch hole size
- 5) PU directional tools and start curve at 10deg/100' build rate
- 6) Drill to csg point of 5935' MD
- 7) R&C 7" csg, circ cmt to surface, switch to WBM
- 8) Land at 90 deg, drill lateral to 10668' run 4 1/2 inch liner with external swellable csg packers



Boomerang Tube LLC

CASING (OR) TUBING DESCRIPTION AND PERFORMANCE PROPERTIES

Pipe Outside Diameter (ins)	_____	4.500
Pipe Wall Thickness (ins)	_____	0.250
Nominal Weight Per Foot (lbs)	_____	11.60

Thread Name	_____	Long Thread CSG
Grade Name	_____	SB-80

Pipe Minimum Yield (psi)	_____	80,000
Pipe Minimum Ultimate (psi)	_____	90,000

Coupling Minimum Yield (psi)	_____	80,000
Coupling Minimum Ultimate (psi)	_____	100,000

Coupling or Joint Outside Diameter (ins)	_____	5.000
Drift Diameter (ins)	_____	3.875
Plain End Weight per Foot (lbs)	_____	11.36

Joint Strength (lbs)	_____	201,000
Internal Yield (psi)	_____	7,780
Collapse Rating (psi)	_____	6,350

MAXIMUM DEPTH/LENGTH BASED ON MUD WTS & SAFETY FACTORS

Drilling Mud Weight (ppg)	_____	9.625
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Tension Safety Factor	_____	1.80
Maximum Tension Length (ft)	_____	9,630

Internal Yield Safety Factor	_____	1.10
Maximum Depth for Internal Yield (ft)	_____	14,150

Collapse Safety Factor	_____	1.125
Maximum Collapse Depth (ft)	_____	11,290

API RELATED VALUES and INTERMEDIATE CALCULATION RESULTS

Coupling Thread Fracture Strength	_____	464,000
Pipe Thread Fracture Strength (lbs)	_____	201,000

Pipe Body Plain End Yield (lbs)	_____	267,000
Round Thread Pull-Out (lbs)	_____	219,000

Minimum Make-up Torque (ft-lbs)	_____	1,640
Nominal Make-up Torque (ft-lbs)	_____	2,190
Maximum Make-up Torque (ft-lbs)	_____	2,740

Coupling Internal Yield (psi)	_____	10,660
Pipe Body Internal Yield (psi)	_____	7,780
Leak @ E1 or E7 plane (psi)	_____	17,920

Pipe Hydrostatic Test Pressure @ 80 % SMYS	_____	7,100
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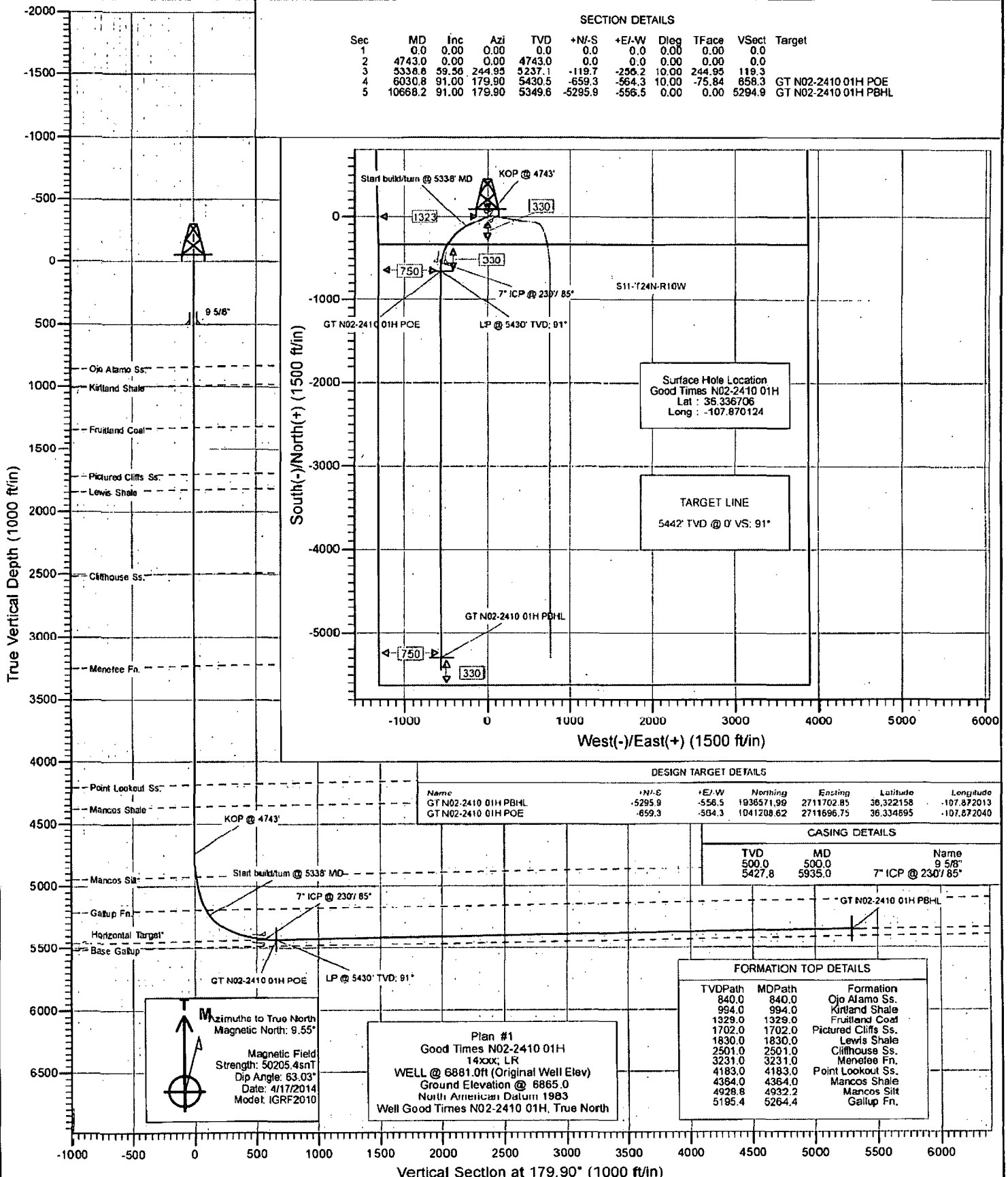


Project: San Juan County, NM
 Site: S2-T24N-R10W
 Well: Good Times N02-2410 01H
 Wellbore: Hz
 Design: Plan #1



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4743.0	0.00	0.00	4743.0	0.0	0.0	0.00	0.00	0.0	
3	5338.8	59.36	244.95	5237.1	-119.7	-256.2	10.00	244.95	119.3	
4	6030.8	91.00	179.90	5430.5	-659.3	-564.3	10.00	-75.84	659.3	GT N02-2410 01H POE
5	10668.2	91.00	179.90	5349.6	-5295.9	-556.5	0.00	0.00	5294.9	GT N02-2410 01H PBHL



Planning Report

Database: USA EDM 5000 Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S2-T24N-R10W
Well: Good Times N02-2410 01H
Wellbore: Hz
Design: Plan #1

Local Co-ordinate Reference: Well Good Times N02-2410 01H
TVD Reference: WELL @ 6881.0ft (Original Well Elev)
MD Reference: WELL @ 6881.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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

Site: S2-T24N-R10W
Site Position:
From: Lat/Long
Position Uncertainty: 0.0 ft
Northing: 1,941,867.65 ft
Easting: 2,712,261.32 ft
Slot Radius: 13.200 in
Latitude: 36.336706
Longitude: -107.870124
Grid Convergence: -0.02 °

Well: Good Times N02-2410 01H
Well Position: +N-S 0.0 ft
+E-W 0.0 ft
Position Uncertainty: 0.0 ft
Northing: 1,941,867.65 ft
Easting: 2,712,261.32 ft
Wellhead Elevation: ft
Latitude: 36.336706
Longitude: -107.870124
Ground Level: 6,865.0 ft

Wellbore: Hz
Magnetics:
Model Name: IGRF2010
Sample Date: 4/17/2014
Declination (°): 9.55
Dip Angle (°): 63.03
Field Strength (nT): 50,205

Design: Plan #1
Audit Notes:
Version: Phase: PLAN Tie On Depth: 0.0
Vertical Section: Depth From (TVD) (ft) +N-S (ft) +E-W (ft) Direction (°)
 0.0 0.0 0.0 179.90

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,743.0	0.00	0.00	4,743.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,338.8	59.56	244.95	5,237.1	-119.7	-256.2	10.00	10.00	0.00	244.95	
6,030.8	91.00	179.90	5,430.5	-659.3	-564.3	10.00	4.54	-9.40	-75.84	GT N02-2410 01H PC
10,668.2	91.00	179.90	5,349.6	-5,295.9	-556.5	0.00	0.00	0.00	0.00	GT N02-2410 01H PB

Planning Report

Database: USA EDM 5000 Multi Users DB
 Company: EnCana Oil & Gas (USA) Inc
 Project: San Juan County, NM
 Site: S2-T24N-R10W
 Well: Good Times N02-2410 01H
 Wellbore: Hz
 Design: Plan #1

Local Co-ordinate Reference: Well Good Times N02-2410 01H
 TVD Reference: WELL @ 6881.0ft (Original Well Elev)
 MD Reference: WELL @ 6881.0ft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	9 5/8"
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	
840.0	0.00	0.00	840.0	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	
994.0	0.00	0.00	994.0	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	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	
1,329.0	0.00	0.00	1,329.0	0.0	0.0	0.0	0.00	0.00	Fruitland Coal
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	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	
1,702.0	0.00	0.00	1,702.0	0.0	0.0	0.0	0.00	0.00	Pictured Cliffs Ss.
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	
1,830.0	0.00	0.00	1,830.0	0.0	0.0	0.0	0.00	0.00	Lewis Shale
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	
2,501.0	0.00	0.00	2,501.0	0.0	0.0	0.0	0.00	0.00	Cliffhouse Ss.
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	
3,231.0	0.00	0.00	3,231.0	0.0	0.0	0.0	0.00	0.00	Menefee Fn.
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	
4,183.0	0.00	0.00	4,183.0	0.0	0.0	0.0	0.00	0.00	Point Lookout Ss.
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	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: S2-T24N-R10W
 Well: Good Times N02-2410 01H
 Wellbore: Hz
 Design: Plan #1

Local Co-ordinate Reference: Well Good Times N02-2410 01H
 TVD Reference: WELL @ 6881.0ft (Original Well Elev)
 MD Reference: WELL @ 6881.0ft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,364.0	0.00	0.00	4,364.0	0.0	0.0	0.0	0.00	0.00	Mancos Shale
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	
4,743.0	0.00	0.00	4,743.0	0.0	0.0	0.0	0.00	0.00	KOP @ 4743'
4,800.0	5.70	244.95	4,799.9	-1.2	-2.6	1.2	10.00	10.00	
4,900.0	15.70	244.95	4,899.0	-9.0	-19.4	9.0	10.00	10.00	
4,932.2	18.91	244.95	4,928.8	-13.1	-28.0	13.1	10.00	10.00	Mancos Silt
5,000.0	25.69	244.95	4,991.5	-24.0	-51.3	23.9	10.00	10.00	
5,100.0	35.69	244.95	5,077.4	-45.6	-97.5	45.4	10.00	10.00	
5,200.0	45.69	244.95	5,153.1	-73.1	-156.5	72.9	10.00	10.00	
5,264.4	52.12	244.95	5,195.4	-93.7	-200.4	93.3	10.00	10.00	Gallup Fn.
5,300.0	55.68	244.95	5,216.4	-105.8	-226.5	105.4	10.00	10.00	
5,338.8	59.56	244.95	5,237.1	-119.7	-256.2	119.3	10.00	10.00	Start build/turn @ 5338' MD
5,400.0	61.24	238.18	5,267.4	-145.0	-302.9	144.5	10.00	2.73	
5,500.0	64.65	227.62	5,313.0	-198.7	-373.7	198.1	10.00	3.42	
5,600.0	68.78	217.70	5,352.6	-266.3	-435.8	265.5	10.00	4.13	
5,700.0	73.45	208.34	5,385.0	-345.5	-487.2	344.7	10.00	4.67	
5,800.0	78.52	199.45	5,409.3	-434.1	-526.3	433.2	10.00	5.07	
5,900.0	83.85	190.88	5,424.6	-529.4	-552.1	528.4	10.00	5.33	
5,935.0	85.75	187.93	5,427.8	-563.8	-557.8	562.8	10.00	5.43	7" ICP @ 230' 85°
6,000.0	89.31	182.48	5,430.6	-628.4	-563.7	627.4	10.00	5.47	
6,030.8	91.00	179.90	5,430.5	-659.3	-564.3	658.3	10.00	5.49	LP @ 5430' TVD; 91°
6,100.0	91.00	179.90	5,429.3	-728.4	-564.2	727.4	0.00	0.00	
6,200.0	91.00	179.90	5,427.5	-828.4	-564.0	827.4	0.00	0.00	
6,300.0	91.00	179.90	5,425.8	-928.4	-563.9	927.4	0.00	0.00	
6,400.0	91.00	179.90	5,424.1	-1,028.3	-563.7	1,027.4	0.00	0.00	
6,500.0	91.00	179.90	5,422.3	-1,128.3	-563.5	1,127.3	0.00	0.00	
6,600.0	91.00	179.90	5,420.6	-1,228.3	-563.4	1,227.3	0.00	0.00	
6,700.0	91.00	179.90	5,418.8	-1,328.3	-563.2	1,327.3	0.00	0.00	
6,800.0	91.00	179.90	5,417.1	-1,428.3	-563.0	1,427.3	0.00	0.00	
6,900.0	91.00	179.90	5,415.3	-1,528.3	-562.9	1,527.3	0.00	0.00	
7,000.0	91.00	179.90	5,413.6	-1,628.3	-562.7	1,627.3	0.00	0.00	
7,100.0	91.00	179.90	5,411.8	-1,728.2	-562.5	1,727.3	0.00	0.00	
7,200.0	91.00	179.90	5,410.1	-1,828.2	-562.3	1,827.2	0.00	0.00	
7,300.0	91.00	179.90	5,408.4	-1,928.2	-562.2	1,927.2	0.00	0.00	
7,400.0	91.00	179.90	5,406.6	-2,028.2	-562.0	2,027.2	0.00	0.00	
7,500.0	91.00	179.90	5,404.9	-2,128.2	-561.8	2,127.2	0.00	0.00	
7,600.0	91.00	179.90	5,403.1	-2,228.2	-561.7	2,227.2	0.00	0.00	
7,700.0	91.00	179.90	5,401.4	-2,328.1	-561.5	2,327.2	0.00	0.00	
7,800.0	91.00	179.90	5,399.6	-2,428.1	-561.3	2,427.1	0.00	0.00	
7,900.0	91.00	179.90	5,397.9	-2,528.1	-561.2	2,527.1	0.00	0.00	
8,000.0	91.00	179.90	5,396.1	-2,628.1	-561.0	2,627.1	0.00	0.00	
8,100.0	91.00	179.90	5,394.4	-2,728.1	-560.8	2,727.1	0.00	0.00	
8,200.0	91.00	179.90	5,392.6	-2,828.1	-560.6	2,827.1	0.00	0.00	
8,300.0	91.00	179.90	5,390.9	-2,928.1	-560.5	2,927.1	0.00	0.00	
8,400.0	91.00	179.90	5,389.2	-3,028.0	-560.3	3,027.1	0.00	0.00	
8,500.0	91.00	179.90	5,387.4	-3,128.0	-560.1	3,127.0	0.00	0.00	
8,600.0	91.00	179.90	5,385.7	-3,228.0	-560.0	3,227.0	0.00	0.00	
8,700.0	91.00	179.90	5,383.9	-3,328.0	-559.8	3,327.0	0.00	0.00	
8,800.0	91.00	179.90	5,382.2	-3,428.0	-559.6	3,427.0	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: S2-T24N-R10W
 Well: Good Times N02-2410 01H
 Wellbore: Hz
 Design: Plan #1

Local Co-ordinate Reference: Well Good Times N02-2410 01H
 TVD Reference: WELL @ 6881.0ft (Original Well Elev)
 MD Reference: WELL @ 6881.0ft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
8,900.0	91.00	179.90	5,380.4	-3,528.0	-559.5	3,527.0	0.00	0.00	
9,000.0	91.00	179.90	5,378.7	-3,627.9	-559.3	3,627.0	0.00	0.00	
9,100.0	91.00	179.90	5,376.9	-3,727.9	-559.1	3,726.9	0.00	0.00	
9,200.0	91.00	179.90	5,375.2	-3,827.9	-559.0	3,826.9	0.00	0.00	
9,300.0	91.00	179.90	5,373.4	-3,927.9	-558.8	3,926.9	0.00	0.00	
9,400.0	91.00	179.90	5,371.7	-4,027.9	-558.6	4,026.9	0.00	0.00	
9,500.0	91.00	179.90	5,370.0	-4,127.9	-558.4	4,126.9	0.00	0.00	
9,600.0	91.00	179.90	5,368.2	-4,227.9	-558.3	4,226.9	0.00	0.00	
9,700.0	91.00	179.90	5,366.5	-4,327.8	-558.1	4,326.9	0.00	0.00	
9,800.0	91.00	179.90	5,364.7	-4,427.8	-557.9	4,426.8	0.00	0.00	
9,900.0	91.00	179.90	5,363.0	-4,527.8	-557.8	4,526.8	0.00	0.00	
10,000.0	91.00	179.90	5,361.2	-4,627.8	-557.6	4,626.8	0.00	0.00	
10,100.0	91.00	179.90	5,359.5	-4,727.8	-557.4	4,726.8	0.00	0.00	
10,200.0	91.00	179.90	5,357.7	-4,827.8	-557.3	4,826.8	0.00	0.00	
10,300.0	91.00	179.90	5,356.0	-4,927.7	-557.1	4,926.8	0.00	0.00	
10,400.0	91.00	179.90	5,354.3	-5,027.7	-556.9	5,026.8	0.00	0.00	
10,500.0	91.00	179.90	5,352.5	-5,127.7	-556.7	5,126.7	0.00	0.00	
10,600.0	91.00	179.90	5,350.8	-5,227.7	-556.6	5,226.7	0.00	0.00	
10,668.2	91.00	179.90	5,349.6	-5,295.9	-556.5	5,294.9	0.00	0.00	TD at 10668.2

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
GT N02-2410 01H PBHI	0.00	0.00	5,349.6	-5,295.9	-556.5	1,936,571.99	2,711,702.85	36.322158	-107.872013
- plan hits target center									
- Point									
GT N02-2410 01H POE	0.00	0.00	5,430.5	-659.3	-564.3	1,941,208.62	2,711,696.75	36.334895	-107.872040
- plan hits target center									
- Point									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
500.0	500.0	9 5/8"	0.000	0.000
5,935.0	5,427.8	7" ICP @ 230°/85°	0.000	0.000

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Good Times N02-2410 01H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 6881.0ft (Original Well Elev)
Project:	San Juan County, NM	MD Reference:	WELL @ 6881.0ft (Original Well Elev)
Site:	S2-T24N-R10W	North Reference:	True
Well:	Good Times N02-2410 01H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (")	Dip Direction (°)	
840.0	840.0	Ojo Alamo Ss.		-1.00	179.90	
994.0	994.0	Kirtland Shale		-1.00	179.90	
1,329.0	1,329.0	Fruitland Coal		-1.00	179.90	
1,702.0	1,702.0	Pictured Cliffs Ss.		-1.00	179.90	
1,830.0	1,830.0	Lewis Shale		-1.00	179.90	
2,501.0	2,501.0	Cliffhouse Ss.		-1.00	179.90	
3,231.0	3,231.0	Menefee Fn.		-1.00	179.90	
4,183.0	4,183.0	Point Lookout Ss.		-1.00	179.90	
4,364.0	4,364.0	Mancos Shale		-1.00	179.90	
4,932.2	4,929.0	Mancos Silt		-1.00	179.90	
5,264.4	5,197.0	Gallup Fn.		-1.00	179.90	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
4,743.0	4,743.0	0.0	0.0	KOP @ 4743'	
5,338.8	5,237.1	-119.7	-256.2	Start build/turn @ 5338' MD	
6,030.8	5,430.5	-659.3	-564.3	LP @ 5430' TVD; 91°	
10,668.2	5,349.6	-5,295.9	-556.5	TD at 10668.2	

EnCana Oil & Gas (USA) Inc

San Juan County, NM

S2-T24N-R10W

Good Times N02-2410 01H

Hz

Plan #1

Anticollision Report

24 April, 2014

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times N02-2410 01H
Project:	San Juan County, NM	TVD Reference:	WELL @ 6881.0ft (Original Well Elev)
Reference Site:	S2-T24N-R10W	MD Reference:	WELL @ 6881.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Good Times N02-2410 01H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	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 100.0ft
Depth Range:	Unlimited
Results Limited by:	Maximum center-center distance of 1,243.2ft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	Systematic Ellipse
Scan Method:	Closest Approach 3D
Error Surface:	Elliptical Conic

Survey Tool Program	Date	4/24/2014
From (ft)	To (ft)	Survey (Wellbore)
0.0	10,667.3	Plan #1 (Hz)
Tool Name	Description	
Geolink MWD	Geolink MWD	

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
S2-T24N-R10W						
Good Times N02-2410 02H - HZ - Plan #1	3,000.0	3,000.0	30.2	19.7	2.895	CC, ES, SF

Anticollision Report

Company: EnCana Oil & Gas (USA) Inc
 Project: San Juan County, NM
 Reference Site: S2-T24N-R10W
 Site Error: 0.0ft
 Reference Well: Good Times N02-2410 01H
 Well Error: 0.0ft
 Reference Wellbore: Hz
 Reference Design: Plan #1

Local Co-ordinate Reference: Well Good Times N02-2410 01H
 TVD Reference: WELL @ 6881.0ft (Original Well Elev)
 MD Reference: WELL @ 6881.0ft (Original Well Elev)
 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 S2-T24N-R10W - Good Times N02-2410 02H - Hz - Plan #1														Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD														Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Semi Major Axis Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	63.97	13.2	27.1	30.2						
100.0	100.0	100.0	100.0	0.1	0.1	63.07	13.2	27.1	30.2	29.9	0.29	102.847			
200.0	200.0	200.0	200.0	0.3	0.3	63.97	13.2	27.1	30.2	29.5	0.64	48.952			
300.0	300.0	300.0	300.0	0.5	0.5	63.97	13.2	27.1	30.2	29.2	0.99	30.420			
400.0	400.0	400.0	400.0	0.7	0.7	63.97	13.2	27.1	30.2	28.8	1.34	22.498			
500.0	500.0	500.0	500.0	0.8	0.8	63.97	13.2	27.1	30.2	28.5	1.69	17.850			
600.0	600.0	600.0	600.0	1.0	1.0	63.97	13.2	27.1	30.2	28.1	2.04	14.793			
700.0	700.0	700.0	700.0	1.2	1.2	63.97	13.2	27.1	30.2	27.8	2.39	12.630			
800.0	800.0	800.0	800.0	1.4	1.4	63.97	13.2	27.1	30.2	27.4	2.74	11.019			
900.0	900.0	900.0	900.0	1.5	1.5	63.97	13.2	27.1	30.2	27.1	3.09	9.773			
1,000.0	1,000.0	1,000.0	1,000.0	1.7	1.7	63.97	13.2	27.1	30.2	26.7	3.43	8.780			
1,100.0	1,100.0	1,100.0	1,100.0	1.9	1.9	63.97	13.2	27.1	30.2	26.4	3.78	7.970			
1,200.0	1,200.0	1,200.0	1,200.0	2.1	2.1	63.97	13.2	27.1	30.2	26.0	4.13	7.297			
1,300.0	1,300.0	1,300.0	1,300.0	2.2	2.2	63.97	13.2	27.1	30.2	25.7	4.48	6.728			
1,400.0	1,400.0	1,400.0	1,400.0	2.4	2.4	63.97	13.2	27.1	30.2	25.3	4.83	6.242			
1,500.0	1,500.0	1,500.0	1,500.0	2.6	2.6	63.97	13.2	27.1	30.2	25.0	5.18	5.822			
1,600.0	1,600.0	1,600.0	1,600.0	2.8	2.8	63.97	13.2	27.1	30.2	24.6	5.53	5.454			
1,700.0	1,700.0	1,700.0	1,700.0	2.9	2.9	63.97	13.2	27.1	30.2	24.3	5.88	5.130			
1,800.0	1,800.0	1,800.0	1,800.0	3.1	3.1	63.97	13.2	27.1	30.2	23.9	6.23	4.843			
1,900.0	1,900.0	1,900.0	1,900.0	3.3	3.3	63.97	13.2	27.1	30.2	23.6	6.58	4.586			
2,000.0	2,000.0	2,000.0	2,000.0	3.5	3.5	63.97	13.2	27.1	30.2	23.2	6.93	4.354			
2,100.0	2,100.0	2,100.0	2,100.0	3.6	3.6	63.97	13.2	27.1	30.2	22.9	7.27	4.145			
2,200.0	2,200.0	2,200.0	2,200.0	3.8	3.8	63.97	13.2	27.1	30.2	22.5	7.62	3.956			
2,300.0	2,300.0	2,300.0	2,300.0	4.0	4.0	63.97	13.2	27.1	30.2	22.2	7.97	3.782			
2,400.0	2,400.0	2,400.0	2,400.0	4.2	4.2	63.97	13.2	27.1	30.2	21.8	8.32	3.624			
2,500.0	2,500.0	2,500.0	2,500.0	4.3	4.3	63.97	13.2	27.1	30.2	21.5	8.67	3.478			
2,600.0	2,600.0	2,600.0	2,600.0	4.5	4.5	63.97	13.2	27.1	30.2	21.1	9.02	3.343			
2,700.0	2,700.0	2,700.0	2,700.0	4.7	4.7	63.97	13.2	27.1	30.2	20.8	9.37	3.219			
2,800.0	2,800.0	2,800.0	2,800.0	4.9	4.9	63.97	13.2	27.1	30.2	20.4	9.72	3.103			
2,900.0	2,900.0	2,900.0	2,900.0	5.0	5.0	63.97	13.2	27.1	30.2	20.1	10.07	2.996			
3,000.0	3,000.0	3,000.0	3,000.0	5.2	5.2	63.97	13.2	27.1	30.2	19.7	10.42	2.895 CC, ES, SF			
3,100.0	3,100.0	3,095.0	3,094.6	5.4	5.4	71.05	12.0	34.9	37.2	26.5	10.76	3.401			
3,200.0	3,200.0	3,188.3	3,183.0	5.6	5.6	81.55	8.4	56.6	59.8	48.5	11.13	5.359			
3,300.0	3,300.0	3,281.7	3,274.2	5.7	5.8	87.43	3.6	84.6	88.5	77.0	11.55	7.664			
3,400.0	3,400.0	3,377.2	3,365.4	5.9	6.1	90.41	-0.8	112.6	117.8	105.8	12.00	9.819			
3,500.0	3,500.0	3,472.7	3,450.5	6.1	6.4	92.20	-5.4	140.6	147.3	134.8	12.47	11.808			
3,600.0	3,600.0	3,568.2	3,547.7	6.3	6.8	93.39	-10.0	168.6	176.8	163.8	12.97	13.632			
3,700.0	3,700.0	3,663.7	3,638.9	6.4	7.1	94.24	-14.8	196.8	206.4	192.9	13.49	15.303			
3,800.0	3,800.0	3,759.1	3,730.0	6.6	7.5	94.88	-19.2	224.6	236.0	222.0	14.02	16.831			
3,900.0	3,900.0	3,854.6	3,821.2	6.8	7.9	95.38	-23.8	252.6	265.7	251.1	14.57	18.230			
4,000.0	4,000.0	3,950.1	3,912.4	7.0	8.4	95.78	-28.4	280.6	295.4	280.2	15.14	19.511			
4,100.0	4,100.0	4,045.6	4,003.5	7.1	8.8	96.10	-33.0	308.6	325.0	309.3	15.71	20.886			
4,200.0	4,200.0	4,141.1	4,094.7	7.3	9.3	96.37	-37.6	336.6	354.7	338.4	16.30	21.766			
4,300.0	4,300.0	4,236.5	4,185.8	7.5	9.7	96.60	-42.2	364.6	384.4	367.5	16.89	22.760			
4,400.0	4,400.0	4,332.0	4,277.0	7.7	10.2	96.79	-46.8	392.7	414.1	395.5	17.49	23.878			
4,500.0	4,500.0	4,427.5	4,368.2	7.8	10.7	96.96	-51.4	420.7	443.8	425.7	18.10	24.526			
4,600.0	4,600.0	4,523.0	4,459.3	8.0	11.1	97.11	-56.0	448.7	473.5	454.8	18.71	25.311			
4,700.0	4,700.0	4,618.5	4,550.5	8.2	11.6	97.24	-60.6	476.7	503.2	483.9	19.32	26.041			
4,800.0	4,799.9	4,713.2	4,640.9	8.4	12.1	-146.66	-65.1	504.5	535.2	518.8	19.45	32.542			
4,900.0	4,898.0	4,802.3	4,726.0	8.5	12.6	-144.86	-69.4	530.6	579.4	562.9	19.47	35.188			
5,000.0	4,991.5	4,882.8	4,802.9	8.8	13.0	-142.61	-73.3	554.2	638.2	619.8	19.36	38.634			
5,100.0	5,077.4	4,952.3	4,869.3	9.2	13.4	-139.22	-76.6	574.6	704.3	687.8	19.45	42.824			

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	Local Co-ordinate Reference:	Well Good Times N02-2410 01H
Project:	San Juan County, NM	TVD Reference:	WELL @ 6881.0ft (Original Well Elev)
Reference Site:	S2-T24N-R10W	MD Reference:	WELL @ 6881.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Good Times N02-2410 01H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	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

Offset Design S2-T24N-R10W - Good Times N02-2410 02H - Hz - Plan #1														Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD														Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor			
5,200.0	5,153.1	5,008.7	4,923.1	9.8	13.7	-133.60	-79.4	591.1	782.3	765.1	17.16	45.576			
5,300.0	5,216.4	5,051.4	4,969.7	10.7	13.9	-123.75	-82.8	603.6	868.1	848.8	19.20	44.992			
5,400.0	5,267.4	5,085.1	4,995.7	11.9	14.1	-109.17	-87.7	613.5	957.6	935.5	22.04	43.453			
5,500.0	5,313.0	5,123.6	5,031.6	13.2	14.3	-98.68	-95.7	624.6	1,042.3	1,018.8	23.50	44.362			
5,600.0	5,352.6	5,172.2	5,078.2	14.6	14.6	-91.90	-109.4	638.3	1,120.1	1,095.9	24.28	46.134			
5,700.0	5,385.0	5,239.0	5,135.3	16.0	15.0	-87.99	-134.6	656.6	1,189.6	1,164.9	24.89	48.177			

Anticollision Report

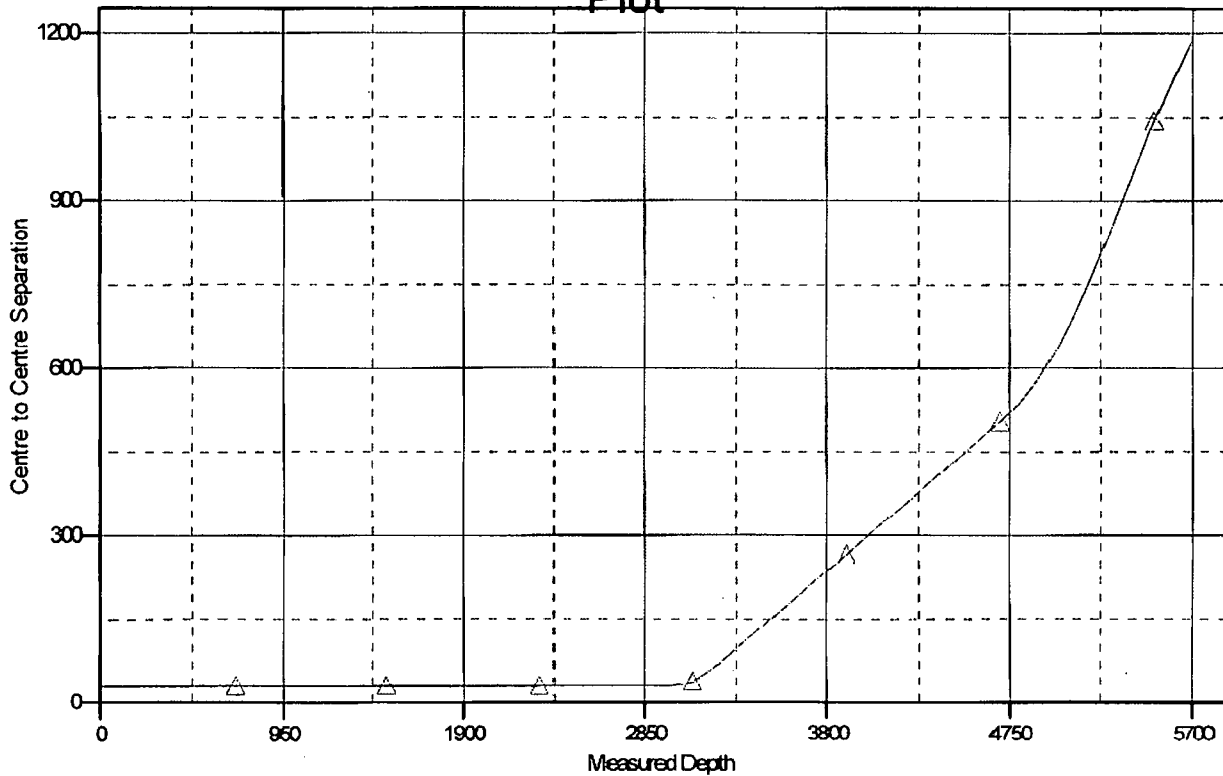
Company: EnCana Oil & Gas (USA) Inc
 Project: San Juan County, NM
 Reference Site: S2-T24N-R10W
 Site Error: 0.0ft
 Reference Well: Good Times N02-2410 01H
 Well Error: 0.0ft
 Reference Wellbore: Hz
 Reference Design: Plan #1

Local Co-ordinate Reference: Well Good Times N02-2410 01H
 TVD Reference: WELL @ 6881.0ft (Original Well Elev)
 MD Reference: WELL @ 6881.0ft (Original Well Elev)
 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 WELL @ 6881.0ft (Original Well Elev)
 Offset Depths are relative to Offset Datum
 Central Meridian is -107.833333 °

Coordinates are relative to: Good Times N02-2410 01H
 Coordinate System is US State Plane 1983, New Mexico Western Zone
 Grid Convergence at Surface is: -0.02"

Ladder Plot



LEGEND

△ Good Times N02-2410 02H, Hz, Plan #1 V0

ENCANA OIL & GAS (USA) INC.
GOOD TIMES N02-2410 #01H
330' FSL & 1323' FWL
LOCATED IN THE SE/4 SW/4 OF SECTION 2,
T24N, R10W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM THE INTERSECTION OF HWY 64 & HWY 550, TRAVEL SOUTH ON HWY 550 FOR 28.2 MILES TO MP 123.4, THE INTERSECTION OF HWY 550 & HWY 57.
- 2) TURN RIGHT ONTO HWY 57 AND GO 3.1 MILES TO CR 7810.
- 3) TURN RIGHT ONTO CR 7810 AND GO 2.8 MILES TO CR 7515.
- 4) TURN RIGHT ONTO CR 7515 AND GO 1.8 MILES.
- 5) TURN RIGHT AND GO 1.4 MILES TO 2-TRACK TO BE UPGRADED.

WELL FLAG LOCATED AT LAT. 36.336706° N, LONG. 107.870124° W (NAD 83).



encana

