

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

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

David R. Catanach Division Director
Oil Conservation Division



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

Operator Signature Date: 5-12-14

Well information;

Operator Encana, Well Name and Number Good Times L10 2309 #1 H

API# 30-045-35546, Section 10, Township 23 N/S, Range 9 E/W

Conditions of Approval:

(See the below checked and handwritten conditions)

- ☒ Notify Aztec OCD 24hrs prior to casing & cement.
- ☒ Hold C-104 for directional survey & "As Drilled" Plat
- ☒ Hold C-104 for NSL, NSP, DHC
- ☐ 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.

Chad Derr
NMOCD Approved by Signature

8-12-2015
Date DC

Form 3160-3
(August 2007)

JUL 31 2015

MAY 13 2014

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFarmington Field Office
Bureau of Land Management5. Lease Serial No.
NM-8005

APPLICATION FOR PERMIT TO DRILL OR REENTER

6. If Indian, Allottee or Tribe Name
N/A1a. Type of work: ☒ DRILL ☐ REENTER7. If Unit or CA Agreement, Name and No.
N/A1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone8. Lease Name and Well No.
Good Times L10-2309 01H

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

9. API Well No.

30-045-35546

3a. Address 370 17th Street, Suite 1700
Denver, CO 802023b. Phone No. (include area code)
720-876-344810. Field and Pool, or Exploratory
South Bisti-Gallup

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

At surface 1455' FSL and 288' FWL Section 10, T23N, R9W

At proposed prod. zone 2210' FSL and 330' FWL Section 9, T23N, R9W

11. Sec., T. R. M. or Blk. and Survey or Area
Section 10, T23N, R9W NMPM14. Distance in miles and direction from nearest town or post office*
+/- 39.3 miles south of the intersection of US Hwy 550 & 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 330' from west lease line Section 9, T23N, R9W16. No. of acres in lease
NMMN 8005 - 2,406.65 acres17. Spacing Unit dedicated to this well
320.0 acres - S/2 Section 9, T23N, R9W18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
Federal D 8 is +/-996' north of wellbore19. Proposed Depth
4808 TVD/10,177' MD20. BLM/BIA Bond No. on file
COB-00023521. Elevations (Show whether DF, KDB, RT, GL, etc.)
6,754' GL, 6,770' KB22. Approximate date work will start*
11/06/201423. Estimated duration
20 days

24. Attachments

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

CONFIDENTIAL

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

Name (Printed/Typed)

Date

Christopher Simmons

05.12.14

Title

Regulatory Analyst

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Office

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

NMOCD IV

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
APPLICANT SUBJECT TO COMPLIANCE WITH
ATTACHED "GENERAL REQUIREMENTS"

DISTRICT I

1826 N. French Dr., Hobbs, N.M. 88240
Phone: (505) 393-6181 Fax: (505) 393-0720

DISTRICT II

811 E. First St., Artesia, N.M. 88210
Phone: (505) 748-1283 Fax: (505) 748-9720

DISTRICT III

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

DISTRICT IV

1820 E. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 478-3460 Fax: (505) 478-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

RECEIVED

Form C-102
Revised August 1, 2011

MAY 13 2014

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

Farmington Field Office
Bureau of Land Management

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35546		*Pool Code 5860	*Pool Name SOUTH BISTI-GALLUP
*Property Code 315088	*Property Name GOOD TIMES L10-2309		*Well Number 01H
*GRID No. 282327	*Operator Name ENCANA OIL & GAS (USA) INC.		*Elevation 6754.0'

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
L	10	23N	9W		1455'	SOUTH	288'	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
L	9	23N	9W		2210'	SOUTH	330'	WEST	SAN JUAN

*Dedicated Acres 320.00 ACRES S/2 SEC. 9	*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

16

1 LAT. 36.24147° N (NAD83)
LONG. 107.80326° W (NAD83)
LAT. 36.24148° N (NAD27)
LONG. 107.80388° W (NAD27)

3 LAT. 36.24151° N (NAD83)
LONG. 107.78532° W (NAD83)
LAT. 36.24152° N (NAD27)
LONG. 107.78593° W (NAD27)

5 LAT. 36.23393° N (NAD83)
LONG. 107.77627° W (NAD83)
LAT. 36.23394° N (NAD27)
LONG. 107.77688° W (NAD27)

2 LAT. 36.23409° N (NAD83)
LONG. 107.80318° W (NAD83)
LAT. 36.23410° N (NAD27)
LONG. 107.80380° W (NAD27)

4 LAT. 36.23425° N (NAD83)
LONG. 107.78528° W (NAD83)
LAT. 36.23426° N (NAD27)
LONG. 107.78587° W (NAD27)

17 OPERATOR CERTIFICATION

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

Katie Wegner 5/12/14
Signature Date

Katie Wegner

Printed Name

Katie.Wegner@encana.com

E-mail Address

SURVEYOR CERTIFICATION

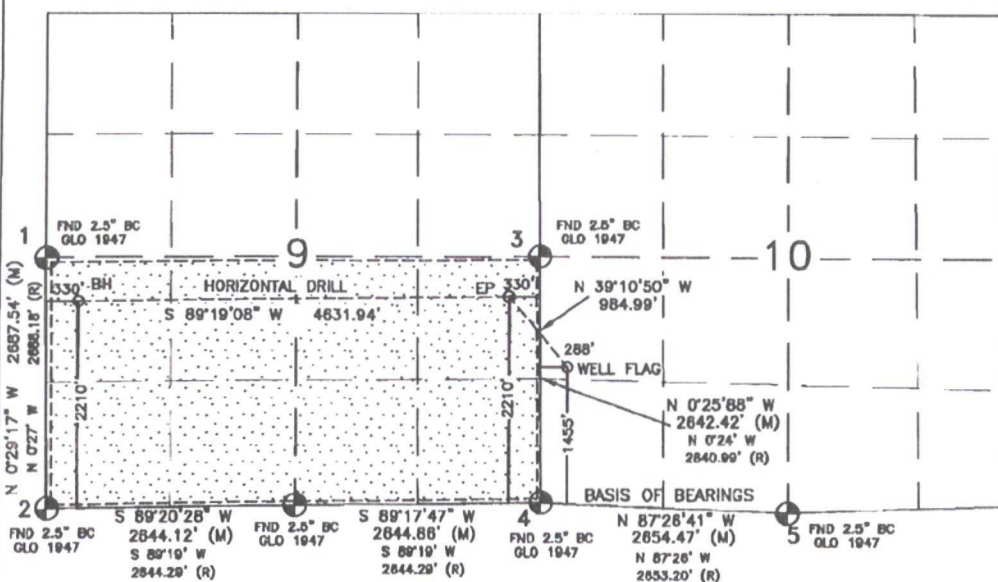
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

APRIL 10, 2013

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell
DAVID R. RUSSELL
REGISTERED PROFESSIONAL LAND SURVEYOR
10201
DAVID RUSSELL
Certificate Number 10201



BOTTOM HOLE
LAT. 36.240166° N (NAD83)
LONG. 107.802123° W (NAD83)
LAT. 36.240154° N (NAD27)
LONG. 107.801507° W (NAD27)

ENTRY POINT
LAT. 36.240312° N (NAD83)
LONG. 107.788424° W (NAD83)
LAT. 36.240299° N (NAD27)
LONG. 107.785809° W (NAD27)

WELL FLAG
LAT. 36.238214° N (NAD83)
LONG. 107.784315° W (NAD83)
LAT. 36.238214° N (NAD27)
LONG. 107.783701° W (NAD27)

Good Times L10-2309 01H
SHL: NWSW 10 23N 9W
1455 FSL 288 FWL
BHL: NWSW 9 23N 9W
2210 FSL 330 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.	465
Kirtland Shale	593
Fruitland Coal	860
Pictured Cliffs Ss.	1,105
Lewis Shale	1,295
Cliffhouse Ss.	1,845
Menefee Fn.	2,582
Point Lookout Ss.	3,550
Mancos Shale	3,690
Mancos Silt	4,222
Gallup Fn.	4,515

The referenced surface elevation is 6754', KB 6770'

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

Substance	Formation	Depth (TVD) units = feet
Water/Gas	Fruitland Coal	860
Oil/Gas	Pictured Cliffs Ss.	1,105
Oil/Gas	Cliffhouse Ss.	1,845
Gas	Menefee Fn.	2,582
Oil/Gas	Point Lookout Ss.	3,550
Oil/Gas	Mancos Shale	3,690
Oil/Gas	Mancos Silt	4,222
Oil/Gas	Gallup Fn.	4,515

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 L10-2309 01H

SHL: NWSW 10 23N 9W

1455 FSL 288 FWL

BHL: NWSW 9 23N 9W

2210 FSL 330 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'-5450'	8 3/4"	7"	26#	J55, LTC New
Production Liner	5250'-10177'	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 L10-2309 01H
 SHL: NWSW 10 23N 9W
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 2210 FSL 330 FWL
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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'-5450'	30% open hole excess Stage 1 Lead: 258 sks Stage 1 Tail: 471 sks Stage 2 Lead: 128 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	5250'-10177'	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 4592'. Directional plans are attached.

Description	Proposed Depth (TVD/MD)	Formation
Horizontal Lateral TD	4808'/10177'	Gallup

Good Times L10-2309 01H
SHL: NWSW 10 23N 9W
1455 FSL 288 FWL
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2210 FSL 330 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'-4809'/5450'	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"	4809'/5450'- 4808'/10177'	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 +/- 2253 psi based on a 9.0 ppg at 4814' 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 L10-2309 01H

SHL: NWSW 10 23N 9W

1455 FSL 288 FWL

BHL: NWSW 9 23N 9W

2210 FSL 330 FWL

San Juan, New Mexico

9. ANTICIPATED START DATE AND DURATION OF OPERATIONS

Drilling is estimated to commence on December 28, 2014. 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.

4808

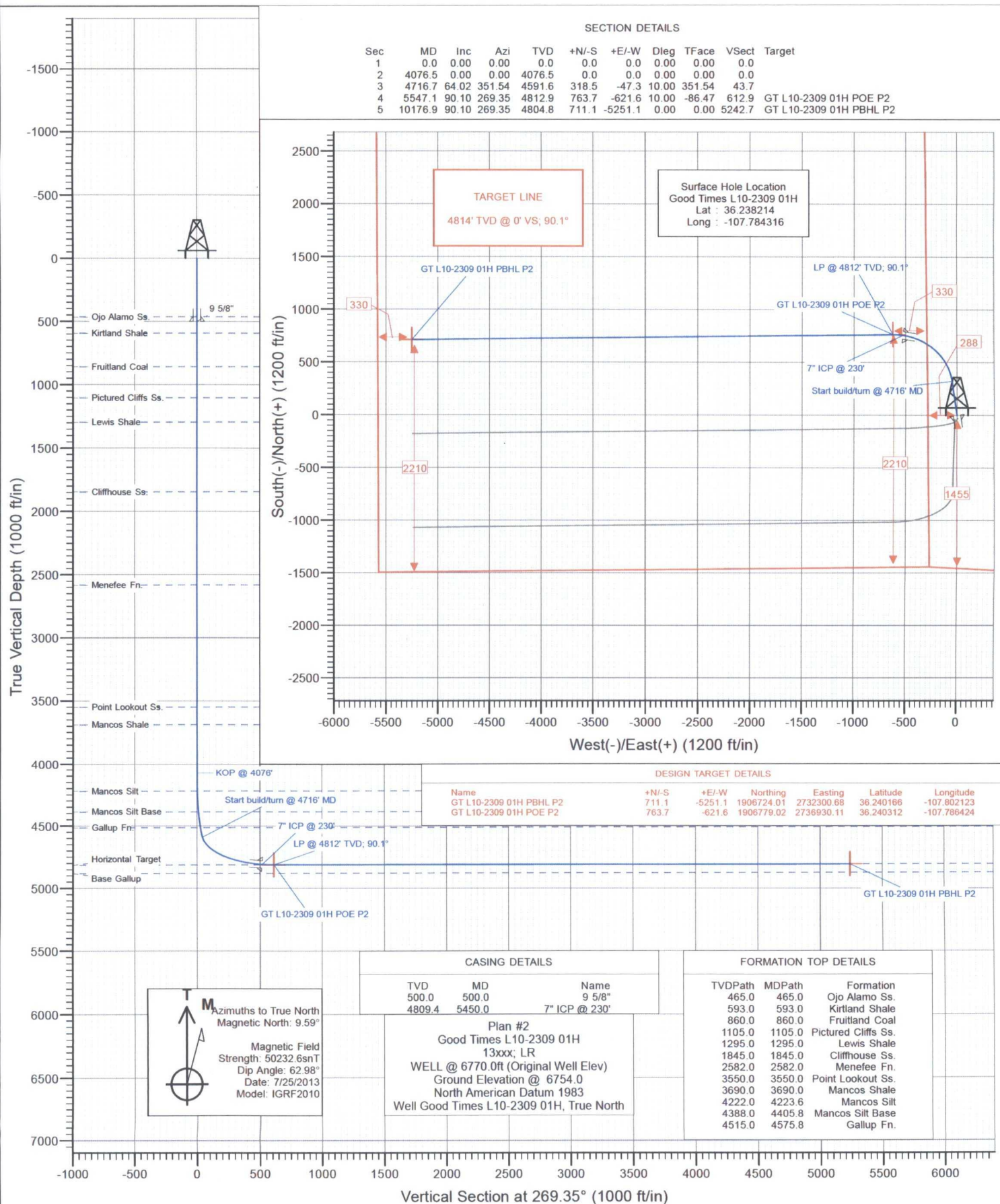
LOC: NE/4 SE/4 Sec 9 T23N R9W, 2210' F			Encana Natural Gas				ENG: Michael Sancl		5/8/14	
County: San Juan			WELL SUMMARY				RIG: Aztec 950			
WELL: Good Times L10-2309 01H							GLE: 6754		RKBE: 6770	
MWD LWD	OPEN HOLE LOGGING	FORM	DEPTH			HOLE SIZE	CASING SPECS	MW MUD TYPE	DEVIATION INFORMATION	
			TVD	MD						
			60	60'		30	20\"/>	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\"/>	Fresh wtr 8.3-10	Vertical <1°	
		Nacimiento 9 5/8\"/>	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	465 593			Stage tool @ ~ 1,345	8 3/4	7\"/>	Fresh Wtr	Vertical <1°
		Fruitland Coal	860					TOC @ surface (30% OH excess) Stage 1 Total: 730sks If necessary, Stage 2 Total: 128sks	8.3-10	
		Pictured Cliffs Ss. Lewis Shale	1,105 1,295					Stage 1 Lead: 259 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.	1,845 2,582					Stage 1 Tail: 471 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	3,550 3,690					Stage 2: 128 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	4,592	4,717						
		Mancos Silt	4,222							
		Gallup Fn.	4,515							
		7\"/>	4,809	5,450'						
Surveys every stand to TD unless directed otherwise by Geologist	No OH Logs	Horizontal Target TD	4,814 4,808	10,177		6 1/8	200' overlap at liner top		Horz Inc/TVD 90.1deg/4814ft	
		Base Gallup	4,882			4727' Drilled Lateral			TD = 10176.9 MD	
MWD Gamma Directional							4 1/2\"/>	WBM 8.3-10		
							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/U BOP and surface equipment
- 4) Drill to KOP of 4717', 8 3/4 inch holesize
- 5) PU directional tools and start curve at 10deg/100' build rate
- 6) Drill to csg point of 5450' MD
- 7) R&C 7" csg, circ cmt to surface, switch to WBM
- 8) Land at 90 deg, drill lateral to 10177' run 4 1/2 inch liner with external swellable csg packers



Project: San Juan County, NM
 Site: S10-T23N-R9W (Good Times)
 Well: Good Times L10-2309 01H
 Wellbore: Hz
 Design: Plan #2



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Good Times L10-2309 01H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 6770.0ft (Original Well Elev)
Project:	San Juan County, NM	MD Reference:	WELL @ 6770.0ft (Original Well Elev)
Site:	S10-T23N-R9W (Good Times)	North Reference:	True
Well:	Good Times L10-2309 01H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

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	S10-T23N-R9W (Good Times)				
Site Position:		Northing:	1,906,015.61 ft	Latitude:	36.238214
From:	Lat/Long	Easting:	2,737,552.12 ft	Longitude:	-107.784316
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.03 °

Well	Good Times L10-2309 01H					
Well Position	+N/-S	0.0 ft	Northing:	1,906,015.61 ft	Latitude:	36.238214
	+E/-W	0.0 ft	Easting:	2,737,552.12 ft	Longitude:	-107.784316
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,754.0 ft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/25/2013	9.59	62.98	50,233

Design	Plan #2			
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	269.35

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	
4,076.5	0.00	0.00	4,076.5	0.0	0.0	0.00	0.00	0.00	0.00	
4,716.7	64.02	351.54	4,591.6	318.5	-47.3	10.00	10.00	0.00	351.54	
5,547.1	90.10	269.35	4,812.9	763.7	-621.6	10.00	3.14	-9.90	-86.47	GT L10-2309 01H PO
10,176.9	90.10	269.35	4,804.8	711.1	-5,251.1	0.00	0.00	0.00	0.00	GT L10-2309 01H PB

Planning Report

Database: USA EDM 5000 Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S10-T23N-R9W (Good Times)
Well: Good Times L10-2309 01H
Wellbore: Hz
Design: Plan #2

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

Well Good Times L10-2309 01H
 WELL @ 6770.0ft (Original Well Elev)
 WELL @ 6770.0ft (Original Well Elev)
 True
 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	
465.0	0.00	0.00	465.0	0.0	0.0	0.0	0.00	0.00	Ojo Alamo Ss.
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	9 5/8"
593.0	0.00	0.00	593.0	0.0	0.0	0.0	0.00	0.00	Kirtland Shale
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	
860.0	0.00	0.00	860.0	0.0	0.0	0.0	0.00	0.00	Fruitland Coal
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	
1,105.0	0.00	0.00	1,105.0	0.0	0.0	0.0	0.00	0.00	Pictured Cliffs Ss.
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	
1,295.0	0.00	0.00	1,295.0	0.0	0.0	0.0	0.00	0.00	Lewis Shale
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	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	
1,845.0	0.00	0.00	1,845.0	0.0	0.0	0.0	0.00	0.00	Cliffhouse Ss.
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	
2,582.0	0.00	0.00	2,582.0	0.0	0.0	0.0	0.00	0.00	Menefee Fn.
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	
3,300.0	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	
3,550.0	0.00	0.00	3,550.0	0.0	0.0	0.0	0.00	0.00	Point Lookout Ss.
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	
3,690.0	0.00	0.00	3,690.0	0.0	0.0	0.0	0.00	0.00	Mancos Shale
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	
4,076.5	0.00	0.00	4,076.5	0.0	0.0	0.0	0.00	0.00	KOP @ 4076'
4,100.0	2.35	351.54	4,100.0	0.5	-0.1	0.1	10.00	10.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Good Times L10-2309 01H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 6770.0ft (Original Well Elev)
Project:	San Juan County, NM	MD Reference:	WELL @ 6770.0ft (Original Well Elev)
Site:	S10-T23N-R9W (Good Times)	North Reference:	True
Well:	Good Times L10-2309 01H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

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
4,200.0	12.35	351.54	4,199.0	13.1	-1.9	1.8	10.00	10.00	
4,223.6	14.71	351.54	4,222.0	18.6	-2.8	2.6	10.00	10.00	Mancos Silt
4,300.0	22.35	351.54	4,294.4	42.6	-6.3	5.8	10.00	10.00	
4,400.0	32.35	351.54	4,383.1	88.0	-13.1	12.1	10.00	10.00	
4,405.8	32.93	351.54	4,388.0	91.1	-13.5	12.5	10.00	10.00	Mancos Silt Base
4,500.0	42.35	351.54	4,462.5	147.9	-22.0	20.3	10.00	10.00	
4,575.8	49.93	351.54	4,515.0	201.9	-30.0	27.7	10.00	10.00	Gallup Fn.
4,600.0	52.35	351.54	4,530.1	220.5	-32.8	30.3	10.00	10.00	
4,700.0	62.35	351.54	4,584.0	303.7	-45.1	41.7	10.00	10.00	
4,716.7	64.02	351.54	4,591.6	318.5	-47.3	43.7	10.00	10.00	Start build/turn @ 4716' MD
4,800.0	64.82	342.35	4,627.6	391.5	-64.3	59.9	10.00	0.96	
4,900.0	66.52	331.53	4,668.9	475.2	-100.0	94.6	10.00	1.70	
5,000.0	68.94	321.05	4,706.9	552.0	-151.3	145.0	10.00	2.42	
5,100.0	71.98	310.93	4,740.4	619.6	-216.7	209.7	10.00	3.04	
5,200.0	75.52	301.19	4,768.4	676.0	-294.2	286.6	10.00	3.55	
5,300.0	79.46	291.77	4,790.2	719.4	-381.5	373.3	10.00	3.93	
5,400.0	83.66	282.60	4,804.9	748.5	-475.9	467.4	10.00	4.20	
5,450.0	85.83	278.08	4,809.4	757.5	-524.9	516.3	10.00	4.34	7" ICP @ 230'
5,500.0	88.02	273.58	4,812.1	762.5	-574.5	565.9	10.00	4.39	
5,547.1	90.10	269.35	4,812.9	763.7	-621.6	612.9	10.00	4.41	LP @ 4812' TVD; 90.1°
5,600.0	90.10	269.35	4,812.8	763.1	-674.5	665.8	0.00	0.00	
5,700.0	90.10	269.35	4,812.6	762.0	-774.5	765.8	0.00	0.00	
5,800.0	90.10	269.35	4,812.5	760.9	-874.5	865.8	0.00	0.00	
5,900.0	90.10	269.35	4,812.3	759.7	-974.5	965.8	0.00	0.00	
6,000.0	90.10	269.35	4,812.1	758.6	-1,074.5	1,065.8	0.00	0.00	
6,100.0	90.10	269.35	4,811.9	757.4	-1,174.5	1,165.8	0.00	0.00	
6,200.0	90.10	269.35	4,811.8	756.3	-1,274.5	1,265.8	0.00	0.00	
6,300.0	90.10	269.35	4,811.6	755.2	-1,374.5	1,365.8	0.00	0.00	
6,400.0	90.10	269.35	4,811.4	754.0	-1,474.4	1,465.8	0.00	0.00	
6,500.0	90.10	269.35	4,811.2	752.9	-1,574.4	1,565.8	0.00	0.00	
6,600.0	90.10	269.35	4,811.1	751.7	-1,674.4	1,665.8	0.00	0.00	
6,700.0	90.10	269.35	4,810.9	750.6	-1,774.4	1,765.8	0.00	0.00	
6,800.0	90.10	269.35	4,810.7	749.5	-1,874.4	1,865.8	0.00	0.00	
6,900.0	90.10	269.35	4,810.5	748.3	-1,974.4	1,965.8	0.00	0.00	
7,000.0	90.10	269.35	4,810.4	747.2	-2,074.4	2,065.8	0.00	0.00	
7,100.0	90.10	269.35	4,810.2	746.1	-2,174.4	2,165.8	0.00	0.00	
7,200.0	90.10	269.35	4,810.0	744.9	-2,274.4	2,265.8	0.00	0.00	
7,300.0	90.10	269.35	4,809.8	743.8	-2,374.4	2,365.8	0.00	0.00	
7,400.0	90.10	269.35	4,809.7	742.6	-2,474.4	2,465.8	0.00	0.00	
7,500.0	90.10	269.35	4,809.5	741.5	-2,574.4	2,565.8	0.00	0.00	
7,600.0	90.10	269.35	4,809.3	740.4	-2,674.4	2,665.8	0.00	0.00	
7,700.0	90.10	269.35	4,809.1	739.2	-2,774.4	2,765.8	0.00	0.00	
7,800.0	90.10	269.35	4,809.0	738.1	-2,874.4	2,865.8	0.00	0.00	
7,900.0	90.10	269.35	4,808.8	737.0	-2,974.3	2,965.8	0.00	0.00	
8,000.0	90.10	269.35	4,808.6	735.8	-3,074.3	3,065.8	0.00	0.00	
8,100.0	90.10	269.35	4,808.4	734.7	-3,174.3	3,165.8	0.00	0.00	
8,200.0	90.10	269.35	4,808.3	733.5	-3,274.3	3,265.8	0.00	0.00	
8,300.0	90.10	269.35	4,808.1	732.4	-3,374.3	3,365.8	0.00	0.00	
8,400.0	90.10	269.35	4,807.9	731.3	-3,474.3	3,465.8	0.00	0.00	
8,500.0	90.10	269.35	4,807.7	730.1	-3,574.3	3,565.8	0.00	0.00	
8,600.0	90.10	269.35	4,807.6	729.0	-3,674.3	3,665.8	0.00	0.00	
8,700.0	90.10	269.35	4,807.4	727.9	-3,774.3	3,765.8	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: S10-T23N-R9W (Good Times)
Well: Good Times L10-2309 01H
Wellbore: Hz
Design: Plan #2

Local Co-ordinate Reference: Well Good Times L10-2309 01H
TVD Reference: WELL @ 6770.0ft (Original Well Elev)
MD Reference: WELL @ 6770.0ft (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
8,800.0	90.10	269.35	4,807.2	726.7	-3,874.3	3,865.8	0.00	0.00	
8,900.0	90.10	269.35	4,807.0	725.6	-3,974.3	3,965.8	0.00	0.00	
9,000.0	90.10	269.35	4,806.9	724.4	-4,074.3	4,065.8	0.00	0.00	
9,100.0	90.10	269.35	4,806.7	723.3	-4,174.3	4,165.8	0.00	0.00	
9,200.0	90.10	269.35	4,806.5	722.2	-4,274.3	4,265.8	0.00	0.00	
9,300.0	90.10	269.35	4,806.3	721.0	-4,374.3	4,365.8	0.00	0.00	
9,400.0	90.10	269.35	4,806.2	719.9	-4,474.2	4,465.8	0.00	0.00	
9,500.0	90.10	269.35	4,806.0	718.8	-4,574.2	4,565.8	0.00	0.00	
9,600.0	90.10	269.35	4,805.8	717.6	-4,674.2	4,665.8	0.00	0.00	
9,700.0	90.10	269.35	4,805.6	716.5	-4,774.2	4,765.8	0.00	0.00	
9,800.0	90.10	269.35	4,805.5	715.3	-4,874.2	4,865.8	0.00	0.00	
9,900.0	90.10	269.35	4,805.3	714.2	-4,974.2	4,965.8	0.00	0.00	
10,000.0	90.10	269.35	4,805.1	713.1	-5,074.2	5,065.8	0.00	0.00	
10,100.0	90.10	269.35	4,804.9	711.9	-5,174.2	5,165.8	0.00	0.00	
10,176.9	90.10	269.35	4,804.8	711.1	-5,251.1	5,242.7	0.00	0.00	TD at 10176.9

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
GT L10-2309 01H POE I - plan hits target center - Point	0.00	0.00	4,812.9	763.7	-621.6	1,906,779.02	2,736,930.11	36.240312	-107.786424
GT L10-2309 01H PBHL - plan hits target center - Point	0.00	0.00	4,804.8	711.1	-5,251.1	1,906,724.01	2,732,300.68	36.240166	-107.802123
GT L10-2309 01H PBHL - plan misses target center by 11.0ft at 10176.9ft MD (4804.8 TVD, 711.1 N, -5251.1 E) - Point	0.00	0.00	4,793.8	711.1	-5,251.1	1,906,724.01	2,732,300.68	36.240166	-107.802123
GT L10-2309 01H POE - plan misses target center by 11.0ft at 5546.9ft MD (4812.9 TVD, 763.7 N, -621.4 E) - Point	0.00	0.00	4,801.9	763.7	-621.6	1,906,779.02	2,736,930.11	36.240312	-107.786424

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
5,450.0	4,809.4	7" ICP @ 230'	0.000	0.000

Planning Report

Database: USA EDM 5000 Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S10-T23N-R9W (Good Times)
Well: Good Times L10-2309 01H
Wellbore: Hz
Design: Plan #2

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

Well Good Times L10-2309 01H
 WELL @ 6770.0ft (Original Well Elev)
 WELL @ 6770.0ft (Original Well Elev)
 True
 Minimum Curvature

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
465.0	465.0	Ojo Alamo Ss.		-0.10	269.35
593.0	593.0	Kirtland Shale		-0.10	269.35
860.0	860.0	Fruitland Coal		-0.10	269.35
1,105.0	1,105.0	Pictured Cliffs Ss.		-0.10	269.35
1,295.0	1,295.0	Lewis Shale		-0.10	269.35
1,845.0	1,845.0	Cliffhouse Ss.		-0.10	269.35
2,582.0	2,582.0	Menefee Fn.		-0.10	269.35
3,550.0	3,550.0	Point Lookout Ss.		-0.10	269.35
3,690.0	3,690.0	Mancos Shale		-0.10	269.35
4,223.6	4,222.0	Mancos Silt		-0.10	269.35
4,405.8	4,388.0	Mancos Silt Base		-0.10	269.35
4,575.8	4,515.0	Gallup Fn.		-0.10	269.35

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
4,076.5	4,076.5	0.0	0.0	KOP @ 4076'
4,716.7	4,591.6	318.5	-47.3	Start build/turn @ 4716' MD
5,547.1	4,812.9	763.7	-621.6	LP @ 4812' TVD; 90.1°
10,176.9	4,804.8	711.1	-5,251.1	TD at 10176.9

EnCana Oil & Gas (USA) Inc

San Juan County, NM

S10-T23N-R9W (Good Times)

Good Times L10-2309 01H

Hz

Plan #2

Anticollision Report

16 April, 2014

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times L10-2309 01H
Project:	San Juan County, NM	TVD Reference:	WELL @ 6770.0ft (Original Well Elev)
Reference Site:	S10-T23N-R9W (Good Times)	MD Reference:	WELL @ 6770.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Good Times L10-2309 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 #2	Offset TVD Reference:	Offset Datum

Reference	Plan #2
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 1,000.0ft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	Systematic Ellipse
Scan Method:	Closest Approach 3D
Error Surface:	Elliptical Conic

Survey Tool Program	Date	4/16/2014
From (ft)	To (ft)	Survey (Wellbore)
0.0	10,176.7	Plan #2 (Hz)
		Tool Name
		Geolink MWD
		Description
		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							
S10-T23N-R9W (Good Times)							
Good Times L10-2309 02H - Hz - Plan #2	3,000.0	3,000.0	29.9	19.5	2.872	CC, ES	
Good Times L10-2309 02H - Hz - Plan #2	3,100.0	3,099.7	30.5	19.7	2.830	SF	
Good Times L10-2309 03H - Hz - Plan #1	2,300.0	2,300.0	42.5	34.5	5.329	CC, ES	
Good Times L10-2309 03H - Hz - Plan #1	2,400.0	2,398.7	44.0	35.7	5.291	SF	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times L10-2309 01H
Project:	San Juan County, NM	TVD Reference:	WELL @ 6770.0ft (Original Well Elev)
Reference Site:	S10-T23N-R9W (Good Times)	MD Reference:	WELL @ 6770.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Good Times L10-2309 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 #2	Offset TVD Reference:	Offset Datum

Offset Design S10-T23N-R9W (Good Times) - Good Times L10-2309 02H - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		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)	Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	163.98	-28.8	8.3	29.9					
100.0	100.0	100.0	100.0	0.1	0.1	163.98	-28.8	8.3	29.9	29.6	0.29	102.040		
200.0	200.0	200.0	200.0	0.3	0.3	163.98	-28.8	8.3	29.9	29.3	0.64	46.584		
300.0	300.0	300.0	300.0	0.5	0.5	163.98	-28.8	8.3	29.9	28.9	0.99	30.181		
400.0	400.0	400.0	400.0	0.7	0.7	163.98	-28.8	8.3	29.9	28.6	1.34	22.321		
500.0	500.0	500.0	500.0	0.8	0.8	163.98	-28.8	8.3	29.9	28.2	1.69	17.709		
600.0	600.0	600.0	600.0	1.0	1.0	163.98	-28.8	8.3	29.9	27.9	2.04	14.677		
700.0	700.0	700.0	700.0	1.2	1.2	163.98	-28.8	8.3	29.9	27.5	2.39	12.531		
800.0	800.0	800.0	800.0	1.4	1.4	163.98	-28.8	8.3	29.9	27.2	2.74	10.933		
900.0	900.0	900.0	900.0	1.5	1.5	163.98	-28.8	8.3	29.9	26.8	3.09	9.696		
1,000.0	1,000.0	1,000.0	1,000.0	1.7	1.7	163.98	-28.8	8.3	29.9	26.5	3.43	8.711		
1,100.0	1,100.0	1,100.0	1,100.0	1.9	1.9	163.98	-28.8	8.3	29.9	26.1	3.78	7.907		
1,200.0	1,200.0	1,200.0	1,200.0	2.1	2.1	163.98	-28.8	8.3	29.9	25.8	4.13	7.239		
1,300.0	1,300.0	1,300.0	1,300.0	2.2	2.2	163.98	-28.8	8.3	29.9	25.4	4.48	6.676		
1,400.0	1,400.0	1,400.0	1,400.0	2.4	2.4	163.98	-28.8	8.3	29.9	25.1	4.83	6.193		
1,500.0	1,500.0	1,500.0	1,500.0	2.6	2.6	163.98	-28.8	8.3	29.9	24.7	5.18	5.776		
1,600.0	1,600.0	1,600.0	1,600.0	2.8	2.8	163.98	-28.8	8.3	29.9	24.4	5.53	5.411		
1,700.0	1,700.0	1,700.0	1,700.0	2.9	2.9	163.98	-28.8	8.3	29.9	24.0	5.88	5.090		
1,800.0	1,800.0	1,800.0	1,800.0	3.1	3.1	163.98	-28.8	8.3	29.9	23.7	6.23	4.805		
1,900.0	1,900.0	1,900.0	1,900.0	3.3	3.3	163.98	-28.8	8.3	29.9	23.3	6.58	4.550		
2,000.0	2,000.0	2,000.0	2,000.0	3.5	3.5	163.98	-28.8	8.3	29.9	23.0	6.93	4.320		
2,100.0	2,100.0	2,100.0	2,100.0	3.6	3.6	163.98	-28.8	8.3	29.9	22.6	7.27	4.113		
2,200.0	2,200.0	2,200.0	2,200.0	3.8	3.8	163.98	-28.8	8.3	29.9	22.3	7.62	3.925		
2,300.0	2,300.0	2,300.0	2,300.0	4.0	4.0	163.98	-28.8	8.3	29.9	21.9	7.97	3.753		
2,400.0	2,400.0	2,400.0	2,400.0	4.2	4.2	163.98	-28.8	8.3	29.9	21.6	8.32	3.595		
2,500.0	2,500.0	2,500.0	2,500.0	4.3	4.3	163.98	-28.8	8.3	29.9	21.2	8.67	3.451		
2,600.0	2,600.0	2,600.0	2,600.0	4.5	4.5	163.98	-28.8	8.3	29.9	20.9	9.02	3.317		
2,700.0	2,700.0	2,700.0	2,700.0	4.7	4.7	163.98	-28.8	8.3	29.9	20.6	9.37	3.194		
2,800.0	2,800.0	2,800.0	2,800.0	4.9	4.9	163.98	-28.8	8.3	29.9	20.2	9.72	3.079		
2,900.0	2,900.0	2,900.0	2,900.0	5.0	5.0	163.98	-28.8	8.3	29.9	19.9	10.07	2.972		
3,000.0	3,000.0	3,000.0	3,000.0	5.2	5.2	163.98	-28.8	8.3	29.9	19.5	10.42	2.872 CC, ES		
3,100.0	3,100.0	3,099.7	3,099.7	5.4	5.4	165.31	-29.5	7.7	30.5	19.7	10.76	2.830 SF		
3,200.0	3,200.0	3,199.3	3,199.2	5.6	5.6	169.01	-31.6	6.1	32.2	21.1	11.11	2.896		
3,300.0	3,300.0	3,298.9	3,298.8	5.7	5.7	174.18	-35.0	3.6	35.2	23.8	11.46	3.072		
3,400.0	3,400.0	3,398.8	3,398.6	5.9	5.9	178.82	-38.7	0.8	38.7	26.9	11.81	3.280		
3,500.0	3,500.0	3,498.7	3,498.4	6.1	6.1	-177.33	-42.4	-2.0	42.5	30.3	12.16	3.493		
3,600.0	3,600.0	3,599.0	3,598.6	6.3	6.3	-174.30	-45.9	-4.6	46.1	33.6	12.51	3.686		
3,700.0	3,700.0	3,699.7	3,699.2	6.4	6.4	-172.64	-48.0	-6.2	48.4	35.6	12.86	3.766		
3,800.0	3,800.0	3,800.5	3,800.0	6.6	6.6	-172.13	-48.8	-6.7	49.2	36.0	13.21	3.726		
3,900.0	3,900.0	3,900.5	3,900.0	6.8	6.8	-172.13	-48.8	-6.7	49.2	35.7	13.56	3.630		
4,000.0	4,000.0	4,000.5	4,000.0	7.0	7.0	-172.13	-48.8	-6.7	49.2	35.3	13.91	3.539		
4,056.4	4,056.4	4,056.9	4,056.4	7.1	7.1	-163.88	-48.8	-6.7	49.8	35.7	14.10	3.534		
4,100.0	4,100.0	4,100.5	4,100.0	7.1	7.1	-163.81	-48.8	-6.7	49.7	35.4	14.25	3.486		
4,200.0	4,199.0	4,195.9	4,195.3	7.3	7.3	-166.04	-49.9	-7.5	63.3	49.0	14.39	4.403		
4,300.0	4,294.4	4,282.5	4,281.1	7.5	7.5	-165.03	-58.6	-14.6	102.4	88.1	14.25	7.187		
4,400.0	4,383.1	4,362.8	4,359.0	7.9	7.7	-160.34	-67.9	-31.5	158.8	144.9	13.95	11.386		
4,500.0	4,462.5	4,430.2	4,422.3	8.3	7.9	-154.27	-75.6	-53.5	229.2	215.6	13.67	16.767		
4,600.0	4,530.1	4,483.8	4,470.6	9.1	8.0	-146.47	-81.5	-75.9	310.9	297.1	13.78	22.556		
4,700.0	4,584.0	4,523.8	4,505.2	10.0	8.2	-134.61	-85.8	-95.4	400.6	385.6	14.97	26.764		
4,800.0	4,627.6	4,557.7	4,533.6	11.1	8.4	-118.21	-89.3	-113.7	492.4	475.0	17.44	28.235		
4,900.0	4,668.9	4,600.0	4,567.4	12.4	8.6	-107.93	-93.6	-138.7	579.0	559.7	19.30	30.006		
5,000.0	4,706.9	4,650.0	4,605.0	13.7	9.0	-100.96	-98.3	-171.3	658.5	637.7	20.88	31.545		

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 L10-2309 01H
Project:	San Juan County, NM	TVD Reference:	WELL @ 6770.0ft (Original Well Elev)
Reference Site:	S10-T23N-R9W (Good Times)	MD Reference:	WELL @ 6770.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Good Times L10-2309 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 #2	Offset TVD Reference:	Offset Datum

Offset Design S10-T23N-R9W (Good Times) - Good Times L10-2309 02H - Hz - Plan #2												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	
5,100.0	4,740.4	4,711.6	4,647.6	15.1	9.6	-96.14	-103.8	-215.4	729.3	706.9	22.44	32.509	
5,200.0	4,768.4	4,786.0	4,692.7	16.6	10.4	-92.83	-109.8	-274.2	789.6	765.4	24.20	32.634	
5,300.0	4,790.2	4,874.3	4,736.5	18.2	11.7	-90.69	-115.8	-350.6	837.5	811.1	26.39	31.739	
5,400.0	4,804.9	4,976.3	4,772.8	19.7	13.5	-89.48	-121.1	-445.7	870.8	841.7	29.11	29.909	
5,500.0	4,812.1	5,088.8	4,794.0	21.3	15.7	-88.99	-124.9	-555.9	887.8	855.6	32.23	27.548	
5,600.0	4,812.8	5,197.4	4,796.8	22.9	18.0	-88.97	-126.5	-664.3	889.8	853.8	36.00	24.714	
5,700.0	4,812.6	5,297.4	4,796.6	24.6	20.3	-88.97	-127.6	-764.3	889.8	849.4	40.44	22.005	
5,800.0	4,812.5	5,397.4	4,796.5	26.4	22.5	-88.97	-128.8	-864.3	889.8	844.8	44.98	19.783	
5,900.0	4,812.3	5,497.4	4,796.3	28.4	24.9	-88.97	-129.9	-964.3	889.8	840.2	49.60	17.941	
6,000.0	4,812.1	5,597.4	4,796.1	30.4	27.2	-88.97	-131.0	-1,064.3	889.8	835.5	54.27	16.395	
6,100.0	4,811.9	5,697.4	4,795.9	32.5	29.6	-88.97	-132.2	-1,164.3	889.8	830.8	58.99	15.083	
6,200.0	4,811.8	5,797.4	4,795.8	34.6	32.0	-88.97	-133.3	-1,264.3	889.8	826.1	63.75	13.958	
6,300.0	4,811.6	5,897.4	4,795.6	36.8	34.4	-88.97	-134.5	-1,364.3	889.8	821.3	68.53	12.984	
6,400.0	4,811.4	5,997.4	4,795.4	39.0	36.8	-88.97	-135.6	-1,464.3	889.8	816.5	73.34	12.133	
6,500.0	4,811.2	6,097.4	4,795.2	41.3	39.2	-88.97	-136.7	-1,564.3	889.8	811.7	78.16	11.385	
6,600.0	4,811.1	6,197.4	4,795.1	43.6	41.6	-88.97	-137.9	-1,664.3	889.8	806.8	83.00	10.721	
6,700.0	4,810.9	6,297.4	4,794.9	45.9	44.0	-88.97	-139.0	-1,764.3	889.8	802.0	87.85	10.129	
6,800.0	4,810.7	6,397.4	4,794.7	48.2	46.5	-88.97	-140.1	-1,864.3	889.8	797.1	92.71	9.598	
6,900.0	4,810.5	6,497.4	4,794.5	50.5	48.9	-88.97	-141.3	-1,964.3	889.8	792.2	97.58	9.119	
7,000.0	4,810.4	6,597.4	4,794.4	52.9	51.3	-88.97	-142.4	-2,064.3	889.8	787.4	102.45	8.685	
7,100.0	4,810.2	6,697.4	4,794.2	55.2	53.8	-88.97	-143.6	-2,164.2	889.8	782.5	107.33	8.290	
7,200.0	4,810.0	6,797.4	4,794.0	57.6	56.2	-88.97	-144.7	-2,264.2	889.8	777.6	112.22	7.929	
7,300.0	4,809.8	6,897.4	4,793.8	60.0	58.7	-88.97	-145.8	-2,364.2	889.8	772.7	117.12	7.598	
7,400.0	4,809.7	6,997.4	4,793.7	62.4	61.1	-88.97	-147.0	-2,464.2	889.8	767.8	122.01	7.293	
7,500.0	4,809.5	7,097.4	4,793.5	64.8	63.6	-88.97	-148.1	-2,564.2	889.8	762.9	126.92	7.011	
7,600.0	4,809.3	7,197.4	4,793.3	67.2	66.0	-88.97	-149.2	-2,664.2	889.8	758.0	131.82	6.750	
7,700.0	4,809.1	7,297.4	4,793.1	69.6	68.5	-88.97	-150.4	-2,764.2	889.8	753.1	136.73	6.508	
7,800.0	4,809.0	7,397.4	4,793.0	72.0	70.9	-88.97	-151.5	-2,864.2	889.8	748.2	141.64	6.282	
7,900.0	4,808.8	7,497.4	4,792.8	74.4	73.4	-88.97	-152.7	-2,964.2	889.8	743.3	146.56	6.072	
8,000.0	4,808.6	7,597.4	4,792.6	76.8	75.9	-88.97	-153.8	-3,064.2	889.8	738.4	151.47	5.875	
8,100.0	4,808.4	7,697.4	4,792.4	79.2	78.3	-88.97	-154.9	-3,164.2	889.8	733.4	156.39	5.690	
8,200.0	4,808.3	7,797.4	4,792.3	81.7	80.8	-88.97	-156.1	-3,264.2	889.8	728.5	161.31	5.516	
8,300.0	4,808.1	7,897.4	4,792.1	84.1	83.2	-88.97	-157.2	-3,364.2	889.8	723.6	166.23	5.353	
8,400.0	4,807.9	7,997.4	4,791.9	86.5	85.7	-88.97	-158.4	-3,464.2	889.8	718.7	171.15	5.199	
8,500.0	4,807.7	8,097.4	4,791.7	88.9	88.2	-88.97	-159.5	-3,564.2	889.8	713.7	176.08	5.054	
8,600.0	4,807.6	8,197.4	4,791.6	91.4	90.6	-88.97	-160.6	-3,664.1	889.8	708.8	181.00	4.916	
8,700.0	4,807.4	8,297.4	4,791.4	93.8	93.1	-88.97	-161.8	-3,764.1	889.8	703.9	185.93	4.786	
8,800.0	4,807.2	8,397.4	4,791.2	96.3	95.6	-88.97	-162.9	-3,864.1	889.8	699.0	190.86	4.662	
8,900.0	4,807.0	8,497.4	4,791.0	98.7	98.0	-88.97	-164.0	-3,964.1	889.8	694.0	195.79	4.545	
9,000.0	4,806.9	8,597.4	4,790.9	101.1	100.5	-88.97	-165.2	-4,064.1	889.8	689.1	200.72	4.433	
9,100.0	4,806.7	8,697.4	4,790.7	103.6	103.0	-88.97	-166.3	-4,164.1	889.8	684.2	205.65	4.327	
9,200.0	4,806.5	8,797.4	4,790.5	106.0	105.4	-88.97	-167.5	-4,264.1	889.8	679.2	210.58	4.226	
9,300.0	4,806.3	8,897.4	4,790.3	108.5	107.9	-88.97	-168.6	-4,364.1	889.8	674.3	215.51	4.129	
9,400.0	4,806.2	8,997.4	4,790.2	110.9	110.4	-88.97	-169.7	-4,464.1	889.8	669.4	220.44	4.037	
9,500.0	4,806.0	9,097.4	4,790.0	113.4	112.8	-88.97	-170.9	-4,564.1	889.8	664.5	225.38	3.948	
9,600.0	4,805.8	9,197.4	4,789.8	115.8	115.3	-88.97	-172.0	-4,664.1	889.8	659.5	230.31	3.864	
9,700.0	4,805.6	9,297.4	4,789.6	118.3	117.8	-88.97	-173.1	-4,764.1	889.8	654.6	235.25	3.783	
9,800.0	4,805.5	9,397.4	4,789.5	120.7	120.2	-88.97	-174.3	-4,864.1	889.8	649.6	240.18	3.705	
9,900.0	4,805.3	9,497.4	4,789.3	123.2	122.7	-88.97	-175.4	-4,964.1	889.8	644.7	245.12	3.630	
10,000.0	4,805.1	9,597.4	4,789.1	125.6	125.2	-88.97	-176.6	-5,064.1	889.8	639.8	250.05	3.559	
10,100.0	4,804.9	9,697.4	4,788.9	128.1	127.6	-88.97	-177.7	-5,164.0	889.8	634.8	254.99	3.490	
10,176.9	4,804.8	9,774.2	4,788.8	130.0	129.5	-88.97	-178.6	-5,240.9	889.8	631.0	258.79	3.438	

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

Anticollision Report

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Reference Site:	S10-T23N-R9W (Good Times)	MD Reference:	WELL @ 6770.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Good Times L10-2309 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 #2	Offset TVD Reference:	Offset Datum

Anticollision Report

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Reference Site: S10-T23N-R9W (Good Times)
Site Error: 0.0ft
Reference Well: Good Times L10-2309 01H
Well Error: 0.0ft
Reference Wellbore: Hz
Reference Design: Plan #2

Local Co-ordinate Reference: Well Good Times L10-2309 01H
TVD Reference: WELL @ 6770.0ft (Original Well Elev)
MD Reference: WELL @ 6770.0ft (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 S10-T23N-R9W (Good Times) - Good Times L10-2309 03H - Hz - Plan #1														Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD														Offset Well Error:	0.0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Distance Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	-150.93	-37.1	-20.6	42.5						
100.0	100.0	100.0	100.0	0.1	0.1	-150.93	-37.1	-20.6	42.5	42.2	0.29	144.886			
200.0	200.0	200.0	200.0	0.3	0.3	-150.93	-37.1	-20.6	42.5	41.8	0.64	66.144			
300.0	300.0	300.0	300.0	0.5	0.5	-150.93	-37.1	-20.6	42.5	41.5	0.99	42.854			
400.0	400.0	400.0	400.0	0.7	0.7	-150.93	-37.1	-20.6	42.5	41.1	1.34	31.694			
500.0	500.0	500.0	500.0	0.8	0.8	-150.93	-37.1	-20.6	42.5	40.8	1.69	25.145			
600.0	600.0	600.0	600.0	1.0	1.0	-150.93	-37.1	-20.6	42.5	40.4	2.04	20.840			
700.0	700.0	700.0	700.0	1.2	1.2	-150.93	-37.1	-20.6	42.5	40.1	2.39	17.793			
800.0	800.0	800.0	800.0	1.4	1.4	-150.93	-37.1	-20.6	42.5	39.7	2.74	15.523			
900.0	900.0	900.0	900.0	1.5	1.5	-150.93	-37.1	-20.6	42.5	39.4	3.09	13.767			
1,000.0	1,000.0	1,000.0	1,000.0	1.7	1.7	-150.93	-37.1	-20.6	42.5	39.0	3.43	12.368			
1,100.0	1,100.0	1,100.0	1,100.0	1.9	1.9	-150.93	-37.1	-20.6	42.5	38.7	3.78	11.227			
1,200.0	1,200.0	1,200.0	1,200.0	2.1	2.1	-150.93	-37.1	-20.6	42.5	38.3	4.13	10.279			
1,300.0	1,300.0	1,300.0	1,300.0	2.2	2.2	-150.93	-37.1	-20.6	42.5	38.0	4.48	9.479			
1,400.0	1,400.0	1,400.0	1,400.0	2.4	2.4	-150.93	-37.1	-20.6	42.5	37.7	4.83	8.794			
1,500.0	1,500.0	1,500.0	1,500.0	2.6	2.6	-150.93	-37.1	-20.6	42.5	37.3	5.18	8.201			
1,600.0	1,600.0	1,600.0	1,600.0	2.8	2.8	-150.93	-37.1	-20.6	42.5	37.0	5.53	7.683			
1,700.0	1,700.0	1,700.0	1,700.0	2.9	2.9	-150.93	-37.1	-20.6	42.5	36.6	5.88	7.227			
1,800.0	1,800.0	1,800.0	1,800.0	3.1	3.1	-150.93	-37.1	-20.6	42.5	36.3	6.23	6.822			
1,900.0	1,900.0	1,900.0	1,900.0	3.3	3.3	-150.93	-37.1	-20.6	42.5	35.9	6.58	6.460			
2,000.0	2,000.0	2,000.0	2,000.0	3.5	3.5	-150.93	-37.1	-20.6	42.5	35.6	6.93	6.134			
2,100.0	2,100.0	2,100.0	2,100.0	3.6	3.6	-150.93	-37.1	-20.6	42.5	35.2	7.27	5.840			
2,200.0	2,200.0	2,200.0	2,200.0	3.8	3.8	-150.93	-37.1	-20.6	42.5	34.9	7.62	5.573			
2,300.0	2,300.0	2,300.0	2,300.0	4.0	4.0	-150.93	-37.1	-20.6	42.5	34.5	7.97	5.329 CC, ES			
2,400.0	2,400.0	2,398.7	2,398.6	4.2	4.2	-151.95	-38.8	-20.7	44.0	35.7	8.32	5.291 SF			
2,500.0	2,500.0	2,497.1	2,496.9	4.3	4.3	-154.62	-43.9	-20.8	48.7	40.0	8.67	5.618			
2,600.0	2,600.0	2,595.1	2,594.5	4.5	4.5	-158.07	-52.3	-21.1	56.7	47.6	9.01	6.284			
2,700.0	2,700.0	2,692.3	2,691.1	4.7	4.7	-161.51	-63.9	-21.4	68.0	58.6	9.36	7.264			
2,800.0	2,800.0	2,788.7	2,786.3	4.9	4.9	-164.52	-78.7	-21.8	82.8	73.1	9.71	8.527			
2,900.0	2,900.0	2,884.0	2,879.9	5.0	5.2	-166.99	-96.4	-22.3	101.0	90.9	10.06	10.041			
3,000.0	3,000.0	2,978.0	2,971.7	5.2	5.4	-168.94	-116.9	-22.8	122.5	112.1	10.40	11.776			
3,100.0	3,100.0	3,070.5	3,061.2	5.4	5.7	-170.48	-140.1	-23.5	147.2	136.5	10.74	13.704			
3,200.0	3,200.0	3,161.4	3,148.5	5.6	6.0	-171.69	-165.6	-24.2	175.1	164.0	11.09	15.798			
3,300.0	3,300.0	3,250.5	3,233.2	5.7	6.4	-172.64	-193.3	-25.0	206.1	194.6	11.42	18.038			
3,400.0	3,400.0	3,337.8	3,315.3	5.9	6.8	-173.41	-223.0	-25.8	239.9	228.2	11.76	20.403			
3,500.0	3,500.0	3,423.1	3,394.6	6.1	7.2	-174.02	-254.4	-26.6	276.7	264.6	12.09	22.876			
3,600.0	3,600.0	3,506.4	3,471.0	6.3	7.7	-174.52	-287.3	-27.6	316.1	303.7	12.43	25.442			
3,700.0	3,700.0	3,587.5	3,544.6	6.4	8.2	-174.93	-321.5	-28.5	358.2	345.5	12.75	28.087			
3,800.0	3,800.0	3,666.5	3,615.3	6.6	8.7	-175.28	-356.8	-29.5	402.9	389.8	13.08	30.799			
3,900.0	3,900.0	3,743.3	3,683.0	6.8	9.3	-175.56	-392.9	-30.5	449.9	436.5	13.40	33.569			
4,000.0	4,000.0	3,827.1	3,756.2	7.0	9.9	-175.83	-433.9	-31.6	498.7	485.0	13.74	36.298			
4,100.0	4,100.0	3,914.1	3,832.0	7.1	10.6	-167.32	-476.4	-32.8	548.0	534.1	13.90	39.433			
4,200.0	4,199.0	3,994.3	3,902.0	7.3	11.2	-166.13	-515.7	-33.9	607.4	593.4	13.94	43.564			
4,300.0	4,294.4	4,063.1	3,961.9	7.5	11.7	-164.35	-549.3	-34.8	679.4	665.7	13.76	49.388			
4,400.0	4,383.1	4,118.4	4,010.1	7.9	12.2	-161.23	-576.3	-35.5	762.2	748.6	13.51	56.433			
4,500.0	4,462.5	4,158.4	4,045.1	8.3	12.5	-154.71	-595.9	-36.1	853.0	839.3	13.71	62.225			
4,600.0	4,530.1	4,182.0	4,065.7	9.1	12.7	-136.53	-607.5	-36.4	949.4	932.9	16.53	57.439			

Anticollision Report

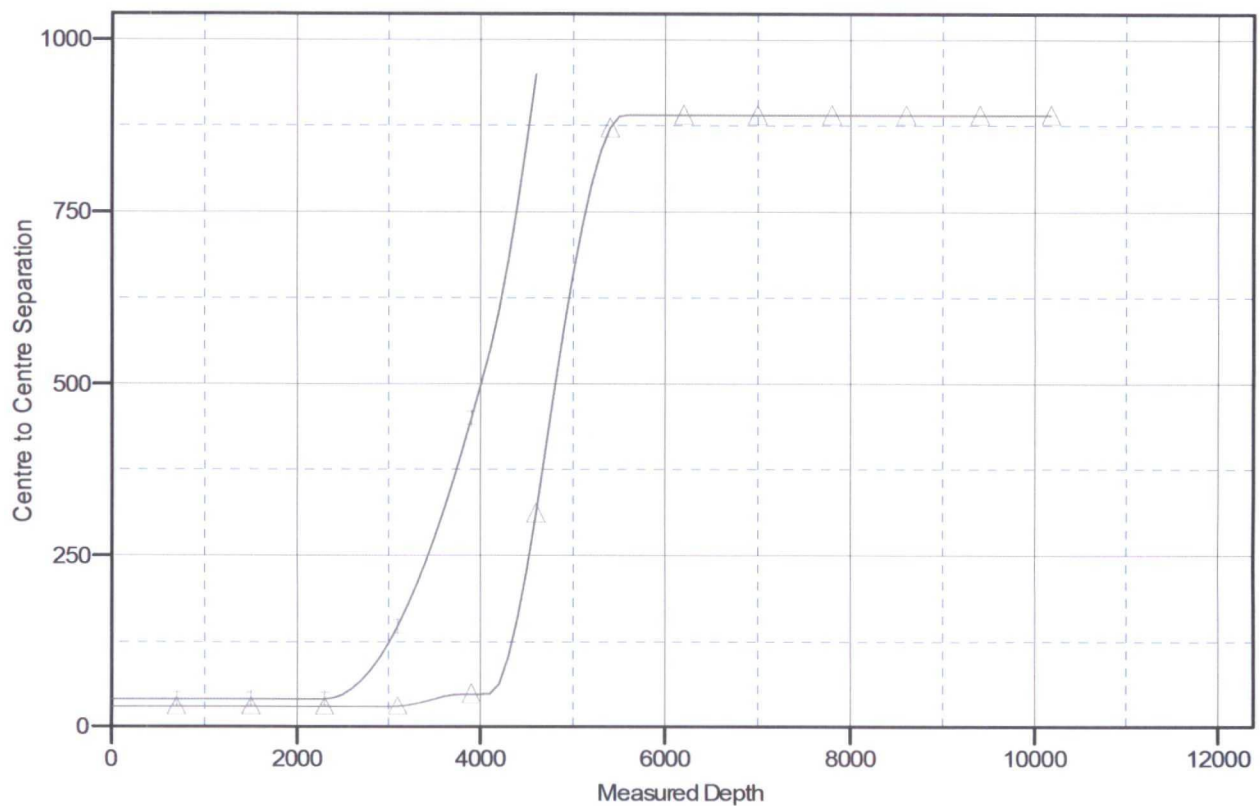
Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Reference Site: S10-T23N-R9W (Good Times)
Site Error: 0.0ft
Reference Well: Good Times L10-2309 01H
Well Error: 0.0ft
Reference Wellbore: Hz
Reference Design: Plan #2

Local Co-ordinate Reference: Well Good Times L10-2309 01H
TVD Reference: WELL @ 6770.0ft (Original Well Elev)
MD Reference: WELL @ 6770.0ft (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 @ 6770.0ft (Original Well Elev)
 Offset Depths are relative to Offset Datum
 Central Meridian is -107.83333 °

Coordinates are relative to: Good Times L10-2309 01H
 Coordinate System is US State Plane 1983, New Mexico Western Zone
 Grid Convergence at Surface is: 0.03°

Ladder Plot



LEGEND

—▲— Good Times L10-2309 02H, Hz, Plan #2 V0 —✕— Good Times L10-2309 03H, Hz, Plan #1 V0

Good Times L10-2309 01H

**SHL: NSW Section 10, T23N, R9W
1455 FSL and 288 FWL**

**BHL: NSW Section 9, T23N, R9W
2210 FSL and 330 FWL**

San Juan County, New Mexico

Lease Number: NMNM 8005

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

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

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

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

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

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

The maximum cut will be approximately 11 feet on the northeast corner (corner 3) and the maximum fill will be approximately 10.8 feet on the southwest corner (corner 3).

4. As determined during the onsite on July 11, 2013, the following best management practices will be implemented:
 - a. A silt trap will be installed on the north edge of the pad, between corners 3 and 6, in the construction zone to catch run on water. Water will spill out and be diverted around corner 3 and fan out into natural vegetation.
 - b. Water will be diverted along the western edge of the pad from corner 6 to corner 5 and will fan out into natural vegetation.
 - c. Upon interim reclamation, water will be diverted around the pad and silt traps installed as needed.
5. Construction equipment may include chain saws, a brush hog, scraper, maintainer, excavator, and dozer. Construction for the access road and well pad will take approximately 2 to 3 weeks.

C. Pipeline

See the Plan of Development submitted with the final Standard SF-299 Application for authorization to construct, operate, maintain and terminate 10,885 feet (2.06 miles), of up to 6-inch outside diameter, steel well connect pipeline, on BLM lands. The Standard SF-299 Application was submitted to the BLM on August 8, 2013.

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

ENCANA OIL & GAS (USA) INC.

GOOD TIMES L10-2309 #01H
1455' FSL & 288' FWL
LOCATED IN THE NW/4 SW/4 OF SECTION 10,
T23N, R9W, 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, 36.0 MILES TO NAGEEZE.
- 2) TURN RIGHT ON CR 7800 AND GO 0.4 MILES.
- 3) CR 7800 CURVES RIGHT, HEAD STRAIGHT ONTO CR 7820 AND GO 2.8 MILES TO THE ACCESS ROAD FOR THE FEDERAL D #6.
- 4) TURN RIGHT AND GO 0.1 MILES TO EXISTING LOCATION WHERE ACCESS IS FLAGGED ON NORTH SIDE OF PAD

WELL FLAG LOCATED AT LAT. 36.238214° N, LONG. 107.784316° W (NAD 83).



WELLHEAD BLOWOUT CONTROL SYSTEM

encana

Well Name and Number:
Good Times L10-2309 01H

