

encana

OIL CONS. DIV DIST. 3

JUL 06 2016

February 19, 2014

Bureau of Land Management
6251 College Blvd., Suite A
Farmington, NM 87402

RECEIVED

FEB 19 2014

Farmington Field Office
Bureau of Land Management

Re: Request to Withdraw Application for Permit to Drill
Good Times P34-2410 02H
SESE of Section 34, T24N R10W
San Juan County, NM

30-045-35413

To Whom It May Concern:

Encana Oil & Gas (USA) Inc. (Encana) respectfully wishes to withdraw the Application for Permit to Drill for the Good Times P34-2410 02H well submitted to the Bureau of Land Management (BLM) on September 11, 2012. In order to formally withdraw the APD Encana hereby submits a formal Sundry request.

Should you have any questions, please feel free to contact me directly at (720) 876-5331 or via email at holly.hill@encana.com.

Sincerely,

ENCANA OIL & GAS (USA) INC.

Holly Hill

Holly Hill
Regulatory Analyst

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 19 2014

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

SUNDRY NOTICES AND REPORTS ON WELLS
**Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.
NOO-C-14-20-5825 & NMNM 23744

6. If Indian, Allottee or Tribe Name
Navajo Allottee

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

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

3a. Address
370 17th Street, Suite 1700
Denver, CO 80202

3b. Phone No. (include area code)
720-876-5331

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SHL: 64S FSL and 33S FEL Section 34, T24N, R10W
BHL: 33S FSL and 40S FEL Section 3, T23N, R10W

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.
Good Times P34-2410 02H

9. API Well No.
PENDING 30-045-35413

10. Field and Pool or Exploratory Area
South Bisti-Gallup

11. County or Parish, State
San Juan County, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Request to
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	withdraw APD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Encana Oil & Gas (USA) Inc. (Encana) wishes to request to withdraw the Application for Permit to Drill for the Good Times P34-2410 02H well which was submitted to the BLM on September 11, 2012

OIL CONS. DIV DIST. 3

JUL 06 2016

14. I hereby certify that the foregoing is true and correct Name (Printed Typed)

Holly Hill

Title Regulatory Analyst

Signature

Holly Hill

Date 02/19/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Cynthia Marquez

Title LLE

Date 2-20-2014

Conditions of approval, if any, are attached. Approval of this notice 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.

Office FFO

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

(Instructions on page 2)

NMOC

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

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Expires: July 31, 2010

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1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	MAR 27 2013 Farmington Field Office Bureau of Land Management	6. If Indian, Allottee or Tribe Name Navajo Allottee
2. Name of Operator Encana Oil & Gas (USA) Inc.		8. Well Name and No. Good Times P34-2410 02H
3a. Address 370 17th Street, Suite 1700 Denver, CO 80202	3b. Phone No. (include area code) 720-876-5353	9. API Well No. 30-045-35413
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SHL: 645' FSL and 330' FEL Sec 34, T24N, R10W BHL: 335' FSL and 400' FEL Sec 3, T24N, R10W		10. Field and Pool or Exploratory Area South Bisti-Gallup
		11. Country or Parish, State San Juan, NM

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<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
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Encana Oil & Gas (USA) Inc. (Encana) would like to revise the hole sizes, casing sizes, and cement plans for the Good Times P34-2410 02H well. Encana would like to change the intermediate hole size from 8 1/2" to 8 3/4" and change the cementing program to accommodate the hole size changes. Please see attached 10 point drilling plan and wellbore diagram. Drilling is estimated to commence on September 26, 2013.

OIL CONS. DIV DIST. 3

JUL 06 2016

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

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Amie Weis	Title Drilling Engineer
Signature <i>Amie Weis</i>	Date 3/26/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice 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.	Office	

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.

NMOCD

LOC: Sec 34-T24N-R10W County: San Juan WELL: Good Times P34-2410 02H			Encana Natural Gas WELL SUMMARY				encana natural gas		ENG: J. Fox/ A. 3/26/13 RIG: GLE: 6759 RKBE: 6772	
MWD LWD	OPEN HOLE LOGGINGFORM		DEPTH TVDMD			HOLE SIZE	CASING SPECS	MW MUD TYPE	DEVIATION INFORMATION	
			60	60'		30	20" 94# 100sx Type I Neat 48.8ppg cmt	Fresh wtr 8.3-9.2		
Surveys After csg is run	None	Ojo Alamo	392			12 1/4	9 5/8" 36ppf J55 STC TOC @ surface 178 sks Type III Cmt	Fresh wtr 8.4-8.6	Vertical <1°	
Surveys every 500'	No OH logs Mud logger onsite	Kirtland Fruitland Coal Pictured Cliffs Ss Lewis Shale Cliffhouse Ss Menefee Fn Point Lookout Ss Mancos Sh	522 807 1179 1360 1985 2542 3580 3782		Stage tool @1230'	8 3/4	7" 26ppf J55 LTC TOC @ surface 30% OH excess: 530 sksTotal. Stage 1 Lead: 251sks Stage 1 Tail: 172sks. Stage 2 Lead: 106sks	Fresh Wtr 8.5-8.8	Vertical <1°	
		KICK OFF PT	4249							
		Gallup Top	4568 4822	5157 5142					KOP 4249 10 deg/100'	
Surveys every 500' Gyro at CP MWD Gamma Directional	No OH Logs	horz target Base Gallup	4822 4877	5157		6 1/8	200' overlap at liner top 4965' Lateral	Switch to OBM 8.6-9.0	.25deg updip 4753'TVD TD = 10123' MD	
							4 1/2" 11.6ppf SB80 LTC 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 4249' , 8 3/4" hole size,
- 5) PU directional tools and start curve at 10deg/100' build rate
- 6) Drill to casing point of 5142' MD (88deg)
- 7) R&C 7" casing, circ cmt to surface, switch to OBM
- 8) Land at 90deg, drill 4965' lateral to 10123', run 4 1/2" liner with external swellable csg packers

Good Times P34-2410 02H
SHL: SESE Section 34, T24N, R10W
645 FSL and 330 FEL
BHL: SESE Section 3, T23N, R10W
335 FSL and 400 FEL
San Juan County, New Mexico
Lease Number: NOO-C-14-20-5825 & NMNM 23744

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

1. ESTIMATED TOPS OF GEOLOGICAL MARKERS (TVD)

The estimated tops of important geologic markers are as follows:

<u>Formation</u>	<u>Depth (TVD)</u>
Ojo Alamo Ss.	392'
Kirtland	522'
Fruitland Coal	807'
Pictured Cliffs	1179'
Lewis	1360'
Cliffhouse	1985'
Menefee	2542'
Point Lookout	3580'
Mancos Shale	3782'
Gallup	4568'

The referenced surface elevation is 6759', KB 6772'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth (TVD)</u>
Gas	Fruitland Coal	807'
Gas	Pictured Cliffs	1179'
Gas	Cliffhouse	1985'
Gas	Point Lookout	3580'
Oil/Gas	Mancos	3782'

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 either 70 percent of the casings internal yield pressure or 100 percent of rated working pressure.
- f) Pressure tests are required before drilling out from under all casing strings set and cemented in place.
- g) BOP controls must be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned.
- h) BOP testing procedures and testing frequency will conform to Onshore Order No. 2.

Good Times P34-2410 02H

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- i) BOP remote controls shall be located on the rig floor at a location readily accessible to the driller. Master controls shall be on the ground at the accumulator and shall have the capability to function all preventers.
- j) The kill line shall be 2-inch minimum and contain two kill line valves, one of which shall be a check valve.
- k) The choke line shall be a 2-inch minimum and contain two choke line valves (2-inch minimum).
- l) The choke and manifold shall contain two adjustable chokes.
- m) Hand wheels shall be installed on all ram preventers.
- n) Safety valves and wrenches (with subs for drill string connections) shall be available on the rig floor at all times.
- o) Inside BOP or float sub shall also be available on the rig floor at all times.

Proposed BOP and choke manifold arrangements are attached.

4. CASING & CEMENTING PROGRAM

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

- a) The proposed casing design is as follows:

Casing	Depth	Hole Size	Csg Size	Weight	Grade
Conductor	0-60'	30"	20"	94#	H40, STC New
Surface	0'-500'	12 1/4"	9 5/8"	36#	J55, STC New
Intermediate	0'-5142'	8 3/4"	7"	26#	J55, LTC New
Production Liner	4942'-10123'	6 1/8"	4 1/2"	11.6#	B80*, LTC New

Casing String				Casing Strength Properties			Minimum Design Factors		
Size	Weight (lb/ft)	Grade	Connection	Collapse (psi)	Burst (psi)	Tensile (1000lb)	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 1/2"	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.

- b) The proposed cementing program is as follows:

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a pre-flush fluid, inner string cement method, etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.

Good Times P34-2410 02H
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 645 FSL and 330 FEL
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 335 FSL and 400 FEL
 San Juan County, New Mexico
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Casing	Depth	Cement Volume (sacks)	Cement Type&Yield	Designed TOC	Centralizers
Conductor	60'	100sk	Redi-mix Construction Grade Cement	Surface	None
Surface	500'	178sk	Type III Cement + 1% CaCl + 0.25lb/sk Cello Flake + 0.2% FL, 14.6ppg, 1.38cuf/sk	Surface	1 per joint on bottom 3 joints
Intermediate	5142'	30% open hole excess Stg 1 Lead: 251sks Stg 1 Tail: 172sks Stg 2 Lead: 106sks	Lead: PremLite + 3% CaCl + 0.25lb/sk CelloFlake + 5lb/sk LCM, 12.1ppg 2.13cuf/sk Tail: Type III Cmt + 1% CaCl + 0.25lb/sk Cello Flake 14.5ppg 1.38cuf/sk	Surface	1 per joint for bottom 3 joints, 1 every 3 joints for remaining joints
Production Liner*	4942'-10123'	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 a 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 4249'. Directional plans are attached.

Description	Proposed Depth (TVD/MD)	Formation
Horizontal Lateral TD	4753'/10123'	Gallup

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6. DRILLING FLUIDS PROGRAM

a) Surface through Intermediate Casing Point:

Hole Size (in)	Depth (ft)	Mud Type	Density (lb/gal)	Viscosity (sec/qt)	Fluid Loss (cc)
30"	0-60' TVD	Fresh Water	8.3-9.2	38-100	4-28
12 1/4"	0-500' TVD	Fresh Water	8.4-8.6	60-70	NC
8 3/4"	500'TVD- 4822'TVD/5142'MD	Fresh Water LSND	8.5-8.8	40-50	8-10

b) Intermediate Casing Point to TD:

Hole Size (in)	MD (ft)	Mud Type	Density (lb/gal)	Viscosity (sec/qt)	Fluid Loss (cc)
6 1/8"	5142'-10123'	Synthetic Oil Based Mud	8.6-9.0	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, including fresh water and oil-based operations. 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 and LOGGING

- a) Drill Stem Testing – None anticipated
 b) Coring – None anticipated.
 c) Mud 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 +/- 2254 psi based on a 9.0 ppg at 4822' TVD of the landing point of the horizontal lateral. 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 P34-2410 02H

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Lease Number: NOO-C-14-20-5825 & NMNM 23744

9. ANTICIPATED START DATE AND DURATION OF OPERATIONS

Drilling is estimated to commence on September 26, 2013. 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 25 days.

CONFIDENTIAL

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
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720-876-3567

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<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Updated C-102 and directional
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Encana Oil & Gas (USA) Inc. (Encana) submitted an APD for the Good Times P34-2410 02H on 9/11/12.
Encana is providing a skewed C-102 and directionals per the December 2012 old request to provide skewed documents in permit packages.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)
Catherine Anadu

Title Regulatory Analyst

Signature

Date

6/17/13

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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(Instructions on page 2)

NMOCD

District I
1625 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

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

AMENDED REPORT
RECEIVED

JUN 18 2013

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number	*Pool Code 5860	*Pool Name SOUTH BISTI - GALLUP
*Property Code	*Property Name GOOD TIMES P34-2410	*Well Number 02H
*OGRID No. 282327	*Operator Name ENCANA OIL & GAS (USA) INC.	*Elevation 6759'

10 Surface Location

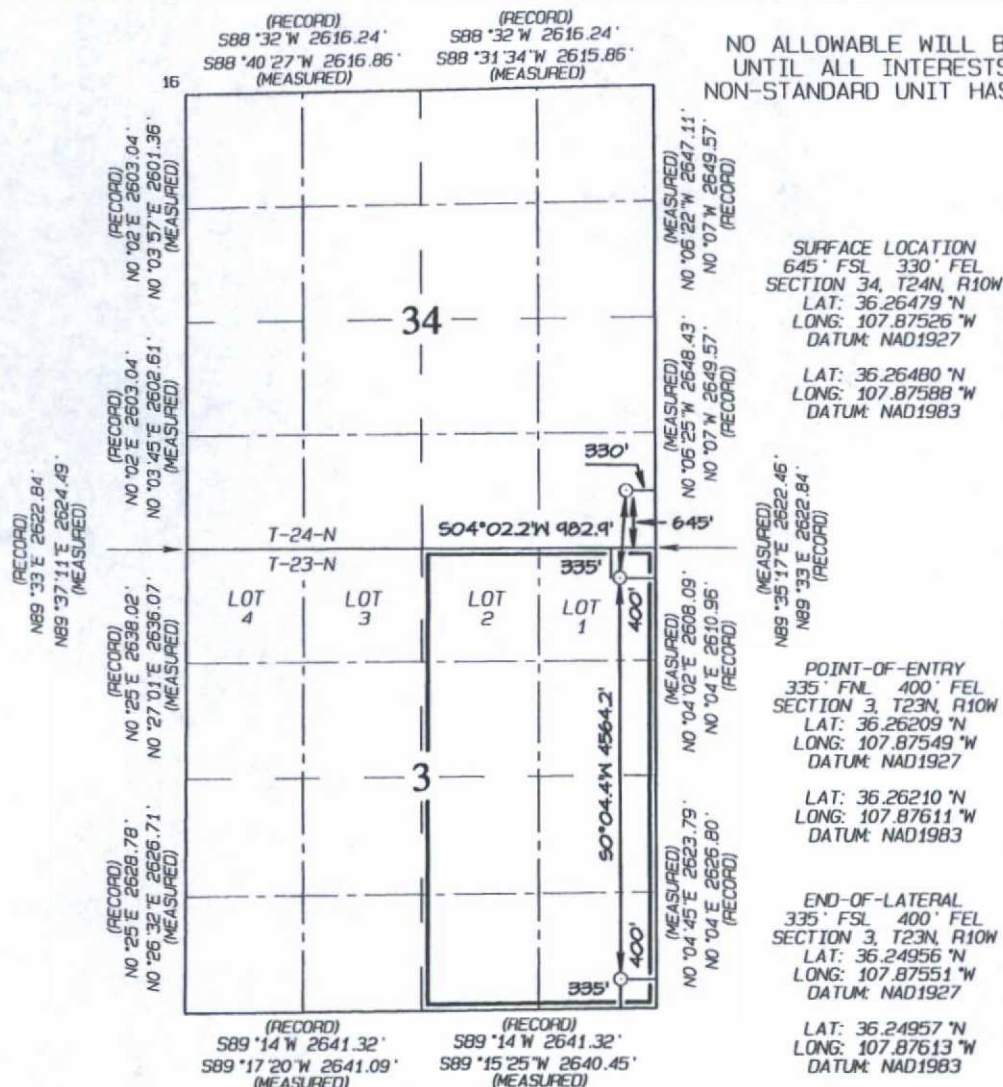
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	34	24N	10W		645	SOUTH	330	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	3	23N	10W		335	SOUTH	400	EAST	SAN JUAN

12 Dedicated Acres 319.42 Acres E/2 - Section 3	13 Joint or Infill	14 Consolidation Code	15 Order No.
---	--------------------	-----------------------	--------------

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



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.

Signature: Brenda R. Linster
Date: 06.17.13
Printed Name: Brenda R. Linster
E-mail Address: brenda.linster@encana.com

18 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.

Date of Survey: JULY 27, 2012

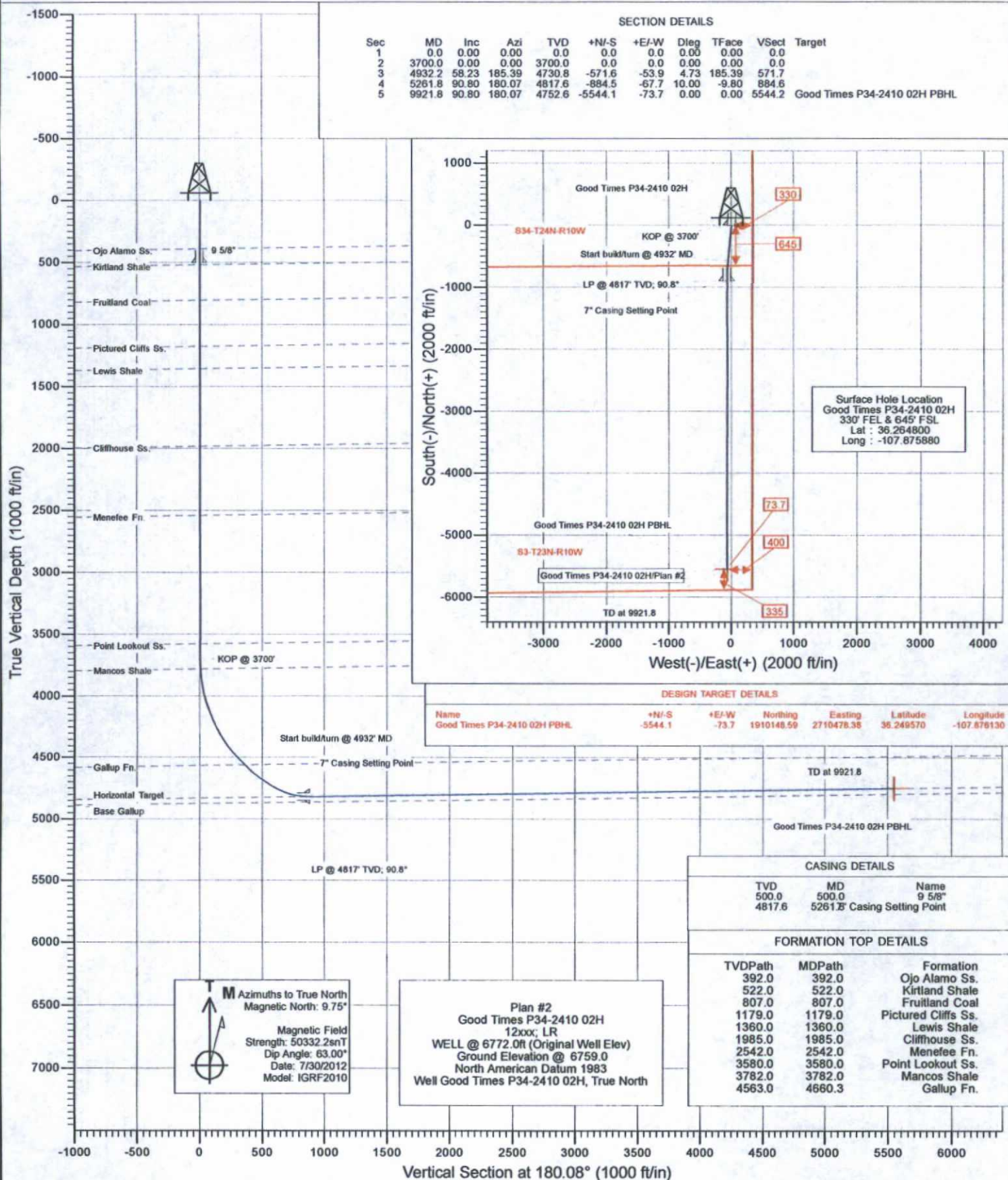
Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269



Project: San Juan County, NM
 Site: S34-T24N-R10W (Good Times)
 Well: Good Times P34-2410 02H
 Wellbore: Hz
 Design: Plan #2



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Good Times P34-2410 02H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 6772.0ft (Original Well Elev)
Project:	San Juan County, NM	MD Reference:	WELL @ 6772.0ft (Original Well Elev)
Site:	S34-T24N-R10W (Good Times)	North Reference:	True
Well:	Good Times P34-2410 02H	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	S34-T24N-R10W (Good Times)				
Site Position:		Northing:	1,915,707.21 ft	Latitude:	36.264840
From:	Lat/Long	Easting:	2,710,554.53 ft	Longitude:	-107.875880
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-0.03 °

Well	Good Times P34-2410 02H					
Well Position	+N/-S	0.0 ft	Northing:	1,915,692.63 ft	Latitude:	36.264800
	+E/-W	0.0 ft	Easting:	2,710,554.53 ft	Longitude:	-107.875880
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,759.0 ft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/30/2012	9.75	63.00	50,332

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	180.08

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,932.2	58.23	185.39	4,730.8	-571.6	-53.9	4.73	4.73	0.00	185.39	
5,261.8	90.80	180.07	4,817.6	-884.5	-67.7	10.00	9.88	-1.61	-9.80	
9,921.8	90.80	180.07	4,752.6	-5,544.1	-73.7	0.00	0.00	0.00	0.00	Good Times P34-2411

Planning Report

Database: USA EDM 5000 Multi Users DB
 Company: EnCana Oil & Gas (USA) Inc
 Project: San Juan County, NM
 Site: S34-T24N-R10W (Good Times)
 Well: Good Times P34-2410 02H
 Wellbore: Hz
 Design: Plan #2

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

Well Good Times P34-2410 02H
 WELL @ 6772.0ft (Original Well Elev)
 WELL @ 6772.0ft (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	
392.0	0.00	0.00	392.0	0.0	0.0	0.0	0.00	0.00	Ojo Alamo Ss.
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"
522.0	0.00	0.00	522.0	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	
807.0	0.00	0.00	807.0	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	
1,179.0	0.00	0.00	1,179.0	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	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	
1,360.0	0.00	0.00	1,360.0	0.0	0.0	0.0	0.00	0.00	Lewis Shale
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	
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	
1,985.0	0.00	0.00	1,985.0	0.0	0.0	0.0	0.00	0.00	Cliffhouse Ss.
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	
2,542.0	0.00	0.00	2,542.0	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	
3,580.0	0.00	0.00	3,580.0	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	
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	KOP @ 3700'
3,782.0	3.88	185.39	3,782.0	-2.8	-0.3	2.8	4.73	4.73	Mancos Shale
3,800.0	4.73	185.39	3,799.9	-4.1	-0.4	4.1	4.73	4.73	
3,900.0	9.45	185.39	3,899.1	-16.4	-1.5	16.4	4.73	4.73	
4,000.0	14.18	185.39	3,996.9	-36.8	-3.5	36.8	4.73	4.73	
4,100.0	18.90	185.39	4,092.8	-65.1	-6.1	65.1	4.73	4.73	
4,200.0	23.63	185.39	4,185.9	-101.2	-9.5	101.2	4.73	4.73	

Planning Report

Database: USA EDM 5000 Multi Users DB
 Company: EnCana Oil & Gas (USA) Inc
 Project: San Juan County, NM
 Site: S34-T24N-R10W (Good Times)
 Well: Good Times P34-2410 02H
 Wellbore: Hz
 Design: Plan #2

Local Co-ordinate Reference: Well Good Times P34-2410 02H
 TVD Reference: WELL @ 6772.0ft (Original Well Elev)
 MD Reference: WELL @ 6772.0ft (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
4,300.0	28.36	185.39	4,275.8	-144.8	-13.7	144.8	4.73	4.73	
4,400.0	33.08	185.39	4,361.8	-195.7	-18.5	195.7	4.73	4.73	
4,500.0	37.81	185.39	4,443.2	-253.4	-23.9	253.4	4.73	4.73	
4,600.0	42.53	185.39	4,519.6	-317.6	-30.0	317.6	4.73	4.73	
4,660.3	45.38	185.39	4,563.0	-359.2	-33.9	359.3	4.73	4.73	Gallup Fn.
4,700.0	47.26	185.39	4,590.4	-387.8	-36.6	387.9	4.73	4.73	
4,800.0	51.98	185.39	4,655.2	-463.6	-43.7	463.7	4.73	4.73	
4,900.0	56.71	185.39	4,713.4	-544.5	-51.4	544.6	4.73	4.73	
4,932.2	58.23	185.39	4,730.8	-571.6	-53.9	571.7	4.73	4.73	Start build/turn @ 4932' MD
5,000.0	64.92	184.12	4,763.0	-630.9	-58.8	631.0	10.00	9.86	
5,100.0	74.79	182.47	4,797.4	-724.5	-64.2	724.6	10.00	9.88	
5,200.0	84.68	180.97	4,815.2	-822.8	-67.1	822.9	10.00	9.89	
5,261.8	90.80	180.07	4,817.6	-884.5	-67.7	884.6	10.00	9.89	LP @ 4817' TVD; 90.8° - 7" Casing Setting Poir
5,300.0	90.80	180.07	4,817.1	-922.7	-67.7	922.8	0.01	0.01	
5,400.0	90.80	180.07	4,815.7	-1,022.7	-67.9	1,022.8	0.00	0.00	
5,500.0	90.80	180.07	4,814.3	-1,122.7	-68.0	1,122.8	0.00	0.00	
5,600.0	90.80	180.07	4,812.9	-1,222.7	-68.1	1,222.8	0.00	0.00	
5,700.0	90.80	180.07	4,811.5	-1,322.7	-68.2	1,322.7	0.00	0.00	
5,800.0	90.80	180.07	4,810.1	-1,422.6	-68.4	1,422.7	0.00	0.00	
5,900.0	90.80	180.07	4,808.7	-1,522.6	-68.5	1,522.7	0.00	0.00	
6,000.0	90.80	180.07	4,807.3	-1,622.6	-68.6	1,622.7	0.00	0.00	
6,100.0	90.80	180.07	4,805.9	-1,722.6	-68.8	1,722.7	0.00	0.00	
6,200.0	90.80	180.07	4,804.5	-1,822.6	-68.9	1,822.7	0.00	0.00	
6,300.0	90.80	180.07	4,803.1	-1,922.6	-69.0	1,922.7	0.00	0.00	
6,400.0	90.80	180.07	4,801.8	-2,022.6	-69.2	2,022.7	0.00	0.00	
6,500.0	90.80	180.07	4,800.4	-2,122.6	-69.3	2,122.7	0.00	0.00	
6,600.0	90.80	180.07	4,799.0	-2,222.6	-69.4	2,222.7	0.00	0.00	
6,700.0	90.80	180.07	4,797.6	-2,322.6	-69.5	2,322.7	0.00	0.00	
6,800.0	90.80	180.07	4,796.2	-2,422.5	-69.7	2,422.6	0.00	0.00	
6,900.0	90.80	180.07	4,794.8	-2,522.5	-69.8	2,522.6	0.00	0.00	
7,000.0	90.80	180.07	4,793.4	-2,622.5	-69.9	2,622.6	0.00	0.00	
7,100.0	90.80	180.07	4,792.0	-2,722.5	-70.1	2,722.6	0.00	0.00	
7,200.0	90.80	180.07	4,790.6	-2,822.5	-70.2	2,822.6	0.00	0.00	
7,300.0	90.80	180.07	4,789.2	-2,922.5	-70.3	2,922.6	0.00	0.00	
7,400.0	90.80	180.07	4,787.8	-3,022.5	-70.4	3,022.6	0.00	0.00	
7,500.0	90.80	180.07	4,786.4	-3,122.5	-70.6	3,122.6	0.00	0.00	
7,600.0	90.80	180.07	4,785.0	-3,222.5	-70.7	3,222.6	0.00	0.00	
7,700.0	90.80	180.07	4,783.6	-3,322.5	-70.8	3,322.6	0.00	0.00	
7,800.0	90.80	180.07	4,782.2	-3,422.4	-71.0	3,422.5	0.00	0.00	
7,900.0	90.80	180.07	4,780.8	-3,522.4	-71.1	3,522.5	0.00	0.00	
8,000.0	90.80	180.07	4,779.4	-3,622.4	-71.2	3,622.5	0.00	0.00	
8,100.0	90.80	180.07	4,778.0	-3,722.4	-71.4	3,722.5	0.00	0.00	
8,200.0	90.80	180.07	4,776.6	-3,822.4	-71.5	3,822.5	0.00	0.00	
8,300.0	90.80	180.07	4,775.2	-3,922.4	-71.6	3,922.5	0.00	0.00	
8,400.0	90.80	180.07	4,773.8	-4,022.4	-71.7	4,022.5	0.00	0.00	
8,500.0	90.80	180.07	4,772.4	-4,122.4	-71.9	4,122.5	0.00	0.00	
8,600.0	90.80	180.07	4,771.0	-4,222.4	-72.0	4,222.5	0.00	0.00	
8,700.0	90.80	180.07	4,769.6	-4,322.4	-72.1	4,322.5	0.00	0.00	
8,800.0	90.80	180.07	4,768.2	-4,422.3	-72.3	4,422.4	0.00	0.00	
8,900.0	90.80	180.07	4,766.8	-4,522.3	-72.4	4,522.4	0.00	0.00	
9,000.0	90.80	180.07	4,765.5	-4,622.3	-72.5	4,622.4	0.00	0.00	
9,100.0	90.80	180.07	4,764.1	-4,722.3	-72.6	4,722.4	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Good Times P34-2410 02H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 6772.0ft (Original Well Elev)
Project:	San Juan County, NM	MD Reference:	WELL @ 6772.0ft (Original Well Elev)
Site:	S34-T24N-R10W (Good Times)	North Reference:	True
Well:	Good Times P34-2410 02H	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
9,200.0	90.80	180.07	4,762.7	-4,822.3	-72.8	4,822.4	0.00	0.00	
9,300.0	90.80	180.07	4,761.3	-4,922.3	-72.9	4,922.4	0.00	0.00	
9,400.0	90.80	180.07	4,759.9	-5,022.3	-73.0	5,022.4	0.00	0.00	
9,500.0	90.80	180.07	4,758.5	-5,122.3	-73.2	5,122.4	0.00	0.00	
9,600.0	90.80	180.07	4,757.1	-5,222.3	-73.3	5,222.4	0.00	0.00	
9,700.0	90.80	180.07	4,755.7	-5,322.3	-73.4	5,322.4	0.00	0.00	
9,800.0	90.80	180.07	4,754.3	-5,422.3	-73.6	5,422.3	0.00	0.00	
9,900.0	90.80	180.07	4,752.9	-5,522.2	-73.7	5,522.3	0.00	0.00	
9,921.8	90.80	180.07	4,752.6	-5,544.1	-73.7	5,544.2	0.00	0.00	TD at 9921.8

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Eastng (ft)	Latitude	Longitude
Good Times P34-2410 0 - plan hits target center - Point	0.00	0.00	4,752.6	-5,544.1	-73.7	1,910,148.59	2,710,478.38	36.249570	-107.876130
Good Times P34-2410 0 - plan hits target center - Point	0.00	0.00	4,816.3	-982.8	-67.8	1,914,709.81	2,710,486.29	36.262100	-107.876110

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
5,261.8	4,817.6	7" Casing Setting Point	0.000	0.000

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
392.0	392.0	Ojo Alamo Ss.		-0.80	180.08
522.0	522.0	Kirtland Shale		-0.80	180.08
807.0	807.0	Fruitland Coal		-0.80	180.08
1,179.0	1,179.0	Pictured Cliffs Ss.		-0.80	180.08
1,360.0	1,360.0	Lewis Shale		-0.80	180.08
1,985.0	1,985.0	Cliffhouse Ss.		-0.80	180.08
2,542.0	2,542.0	Menefee Fn.		-0.80	180.08
3,580.0	3,580.0	Point Lookout Ss.		-0.80	180.08
3,782.0	3,782.0	Mancos Shale		-0.80	180.08
4,660.3	4,568.0	Gallup Fn.		-0.80	180.08

Planning Report

Database: USA EDM 5000 Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: San Juan County, NM
Site: S34-T24N-R10W (Good Times)
Well: Good Times P34-2410 02H
Wellbore: Hz
Design: Plan #2

Local Co-ordinate Reference: Well Good Times P34-2410 02H
TVD Reference: WELL @ 6772.0ft (Original Well Elev)
MD Reference: WELL @ 6772.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
3,700.0	3,700.0	0.0	0.0	KOP @ 3700'
4,932.2	4,730.8	-571.6	-53.9	Start build/turn @ 4932' MD
5,261.8	4,817.6	-884.5	-67.7	LP @ 4817' TVD; 90.8°
9,921.8	4,752.6	-5,544.1	-73.7	TD at 9921.8

RECEIVED

SEP 12 2012

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Farmington Field Office
Bureau of Land Management

APPLICATION FOR PERMIT TO DRILL OR REENTER


1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NOO-C-14-20-5825 & NMNM 23744
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name NAVAJO ALLOTTEE
2. Name of Operator Encana Oil & Gas (USA) Inc.		7. If Unit or CA Agreement, Name and No. Pending
3a. Address 370 17th Street, Suite 1700 Denver, CO 80202		8. Lease Name and Well No. Good Times P34-2410 02H
3b. Phone No. (include area code) 720-876-3989		9. API Well No. 30-045-35413
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 645' FSL and 330' FEL Section 34, T24N, R10W At proposed prod. zone 335' FSL and 400' FEL Section 3, T23N, R10W		10. Field and Pool, or Exploratory South Bisti-Gallup
14. Distance in miles and direction from nearest town or post office* +/- 36.8 miles SE of Farmington, NM		11. Sec., T. R. M. or Blk. and Survey or Area Section 34, T24N, R10W NMPM
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) BHL is 400' from east lease line	16. No. of acres in lease NOO-C-14-20-5825 -159.42 NMNM 23744 - 639.56	17. Spacing Unit dedicated to this well 319.42 acres (E2 Sec 3 T23N R10W)
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Olympic 1 is 273' west of wellbore	19. Proposed Depth 4753'TVD/ 10123'TMD	20. BLM/BIA Bond No. on file COB-000235
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6759' GL, 6772' KB	22. Approximate date work will start* 04/30/2013	23. Estimated duration 25 days

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

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

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

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) Brenda R. Linster	Date
Title Regulatory Advisor		
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

CONFIDENTIAL

District I
1625 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

SEP 12 2012

Submit one copy to
Appropriate District Office

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

Farmington Field Office
Oil & Gas Management

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code 5860	*Pool Name SOUTH BISTI - GALLUP
*Property Code 39434	*Property Name GOOD TIMES P34-2410		*Well Number 02H
*GRID No. 282327	*Operator Name ENCANA OIL & GAS (USA) INC.		*Elevation 6759'

¹⁰ Surface Location

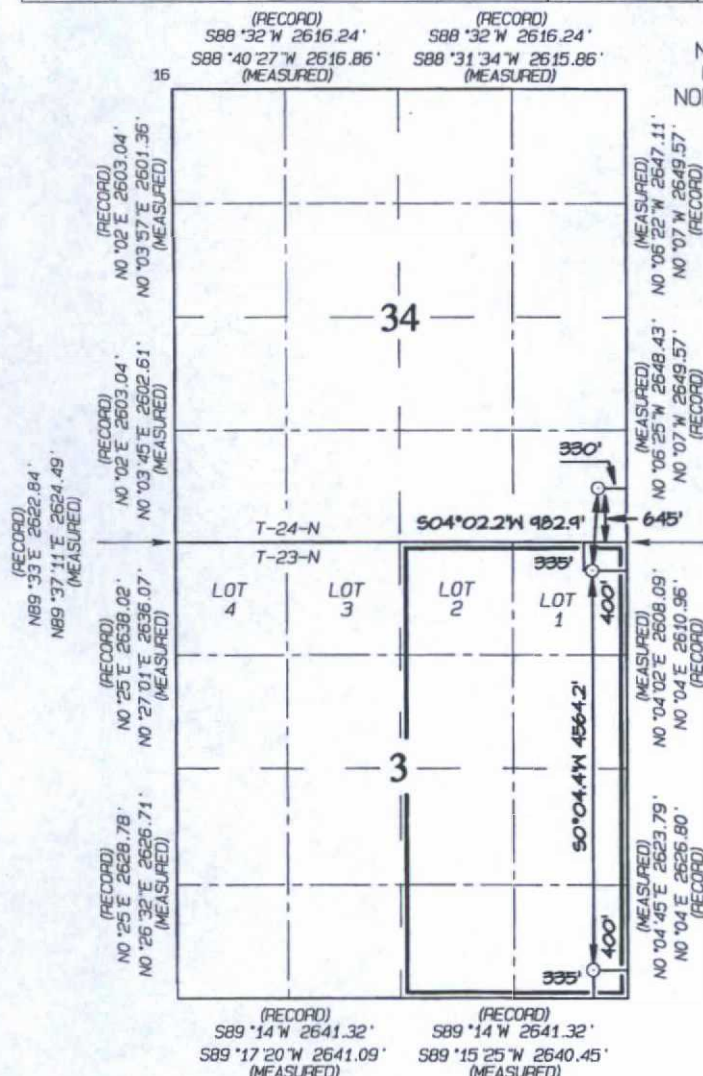
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	34	24N	10W		645	SOUTH	330	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	3	23N	10W		335	SOUTH	400	EAST	SAN JUAN

¹² Dedicated Acres 319.42 Acres E/2 - Section 3	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	-------------------------------	----------------------------------	-------------------------

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



SURFACE LOCATION
645' FSL 330' FEL
SECTION 34, T24N, R10W
LAT: 36.26479°N
LONG: 107.87526°W
DATUM: NAD1927

LAT: 36.26480°N
LONG: 107.87588°W
DATUM: NAD1983

POINT-OF-ENTRY
335' FNL 400' FEL
SECTION 3, T23N, R10W
LAT: 36.26209°N
LONG: 107.87549°W
DATUM: NAD1927

LAT: 36.26210°N
LONG: 107.87611°W
DATUM: NAD1983

END-OF-LATERAL
335' FSL 400' FEL
SECTION 3, T23N, R10W
LAT: 36.24956°N
LONG: 107.87551°W
DATUM: NAD1927

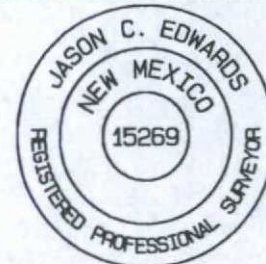
LAT: 36.24957°N
LONG: 107.87613°W
DATUM: NAD1983

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.

Signature: *Brenda R. Linster* Date: 09/06/12
Printed Name: Brenda R. Linster
E-mail Address: brenda.linster@encana.com

¹⁸ 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.

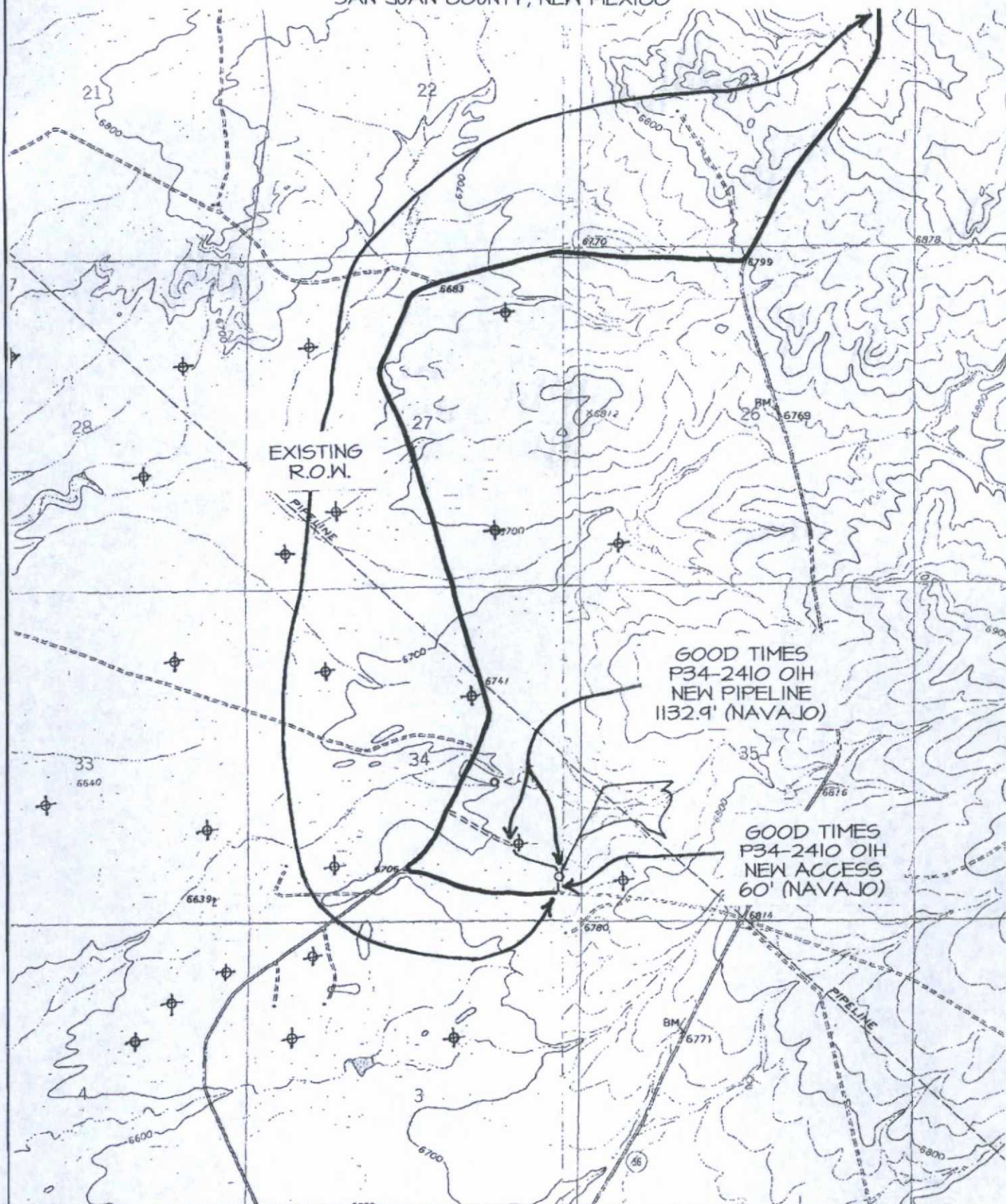
Date of Survey: JULY 27, 2012
Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

ENCANA OIL & GAS (USA) INC. GOOD TIMES P34-2410 02H

645' FSL & 330' FEL, SECTION 34, T24N, R10W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO



NAME OF TOPOS : BLANCO TRADING POST
& HUERFANO TRADING POST SW

⊕ PRODUCING WELL ⊗ PLUGGED & ABANDONED WELL

Directions from the Intersection of US Hwy 550 & US Hwy 64
in Bloomfield, NM to Encana Oil & Gas (USA) Inc. Good Times P34-2410 02H
645' FSL & 330' FEL, Section 34, T24N, R10W, N.M.P.M., San Juan County, NM

Latitude: 36.26480°N Longitude: 107.87588°W Datum: NAD1983

From the intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM, travel Southerly on US Hwy 550 for 27.9 miles to State Hwy #57 @ Mile Marker 123.4;

Go right (South-westerly) on State Hwy #57 for 3.1 miles to fork in road;

Go left (South-westerly) remaining on State Hwy #57 for 2.6 miles to County Road #7635;

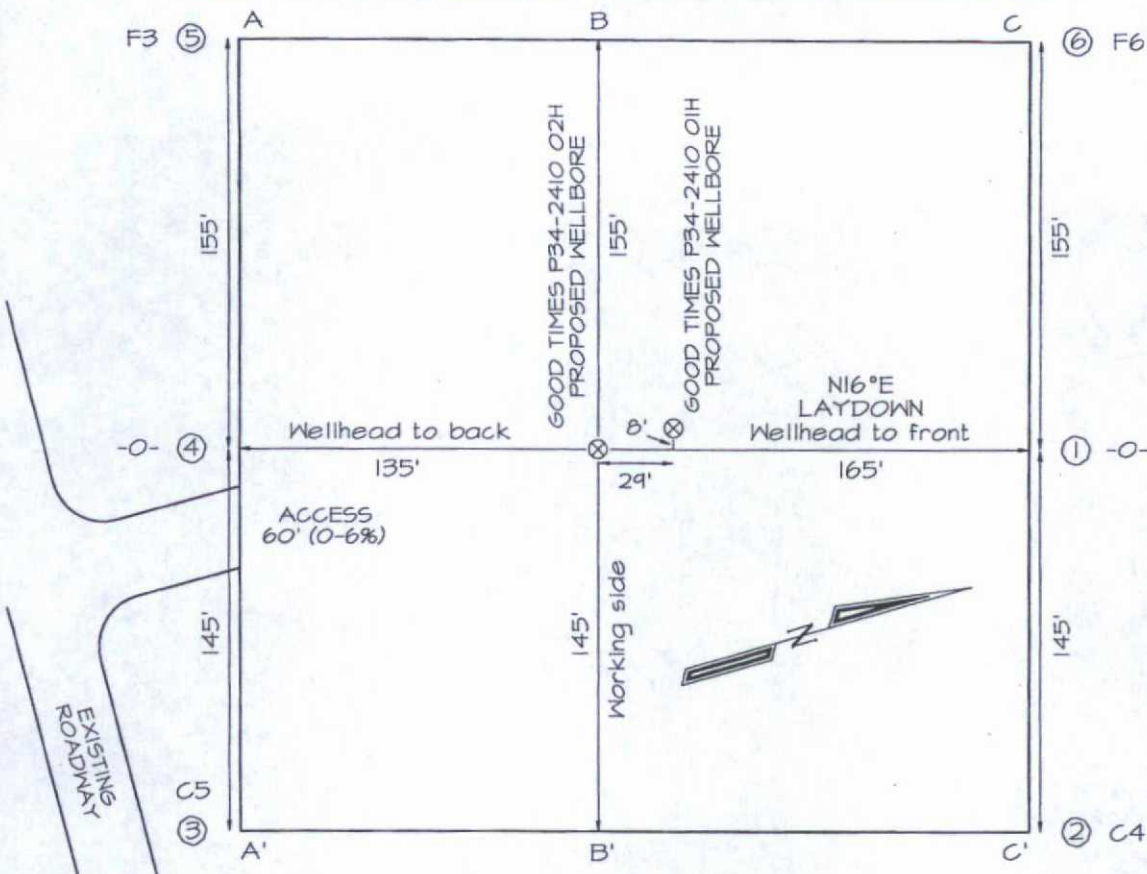
Go right (Westerly) on County Road #7635 for 0.9 miles to fork in road;

Go left (South-westerly) remaining on County Road #7635 for 1.4 miles to fork in road;

Go left which is straight (South-westerly) remaining on County Road #7635 for 0.4 miles to fork in road;

Go left (South-easterly) for 0.5 miles to new access on left-hand side of existing roadway which continues for 60' to staked location.

ENCANA OIL & GAS (USA) INC. GOOD TIMES P34-2410 02H
645' FSL & 330' FEL, SECTION 34, T24N, R10W, NMPM
SAN JUAN COUNTY, NM GROUND ELEVATION: 6759'



LATITUDE: 36.26480° N
LONGITUDE: 107.87588° W
DATUM: NAD1983

PLAT NOTE:

SURFACE OWNER
Navajo Allotted Land

Steel T-Posts have been set to define the Edge of Disturbance limits which are 50' offset from the edge of the staked wellpad.

A-A'						
6769'						
6759'						
6749'						

B-B'						
6769'						
6759'						
6749'						

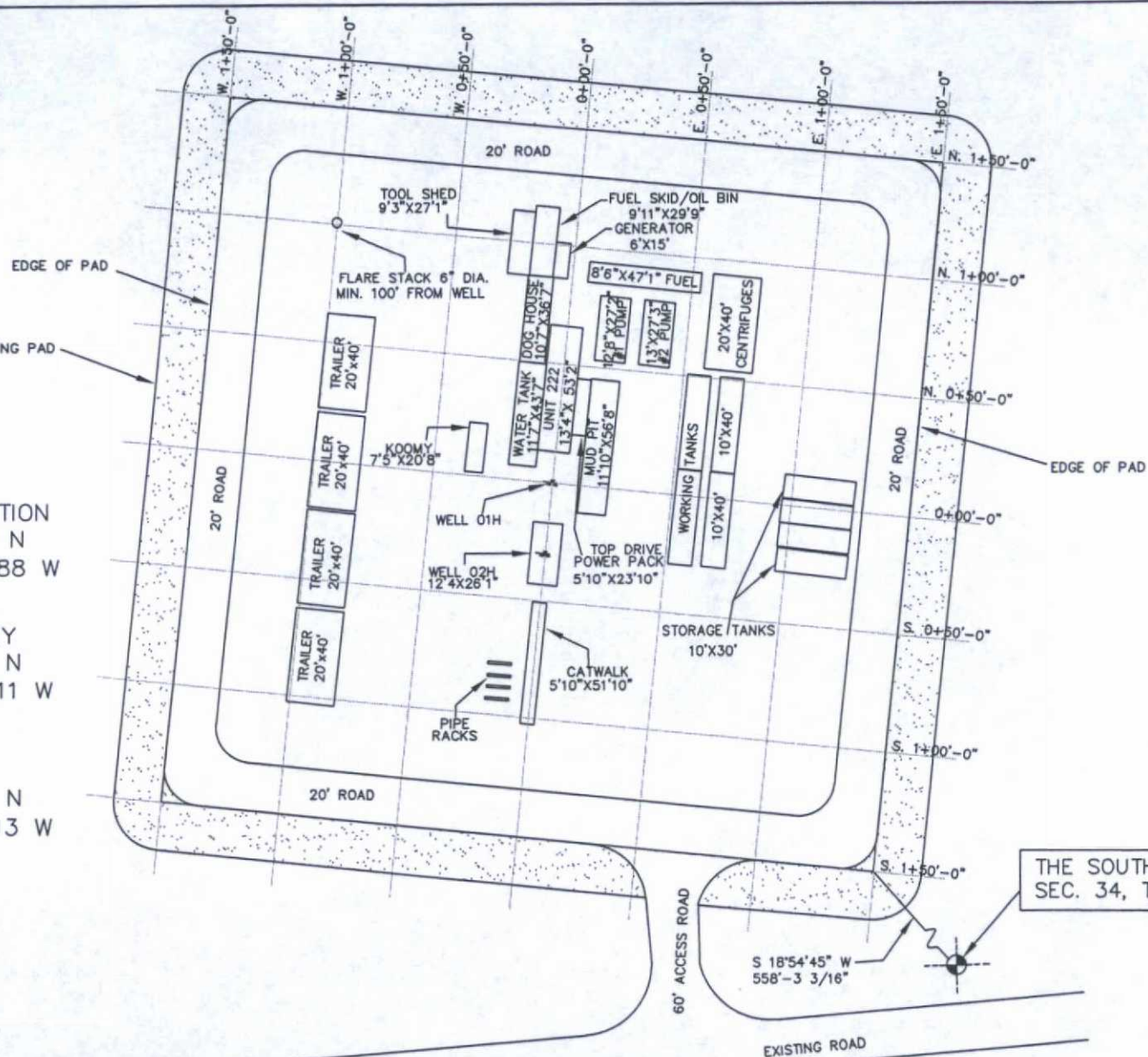
C-C'						
6769'						
6759'						
6749'						

Note: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction

PLS: 8/28/2012 9:51:14 AM, BY: 0000 CUMULATIVE
LAST BATCH: 8/28/2012 8:44:38 AM BY: 00000001

PLANNED: 8/29/2012 6:51:14 AM, BY: 99400 Current
LAST SAVED: 8/28/2012 8:44:38 AM BY: 99400

BOTTOM HOLE
LAT: 36.24957 N
LONG: 107.87613 W
NAD 1983



THE SOUTHEAST CORNER
SEC. 34, T.24N., R.10W.

[illegible]

encana.
natural gas

LDIS LLC

TYPICAL DRILLING LAYOUT

NEW MEXICO

0000 TIME	F54-3410-02H
S34-T24N-R10W	
WELL PAD	
S34-T24N-R10W	
12-00-00	12-00-00

1-40-4	2-1203
--------	--------

NAME	AGE	SEX	DATE

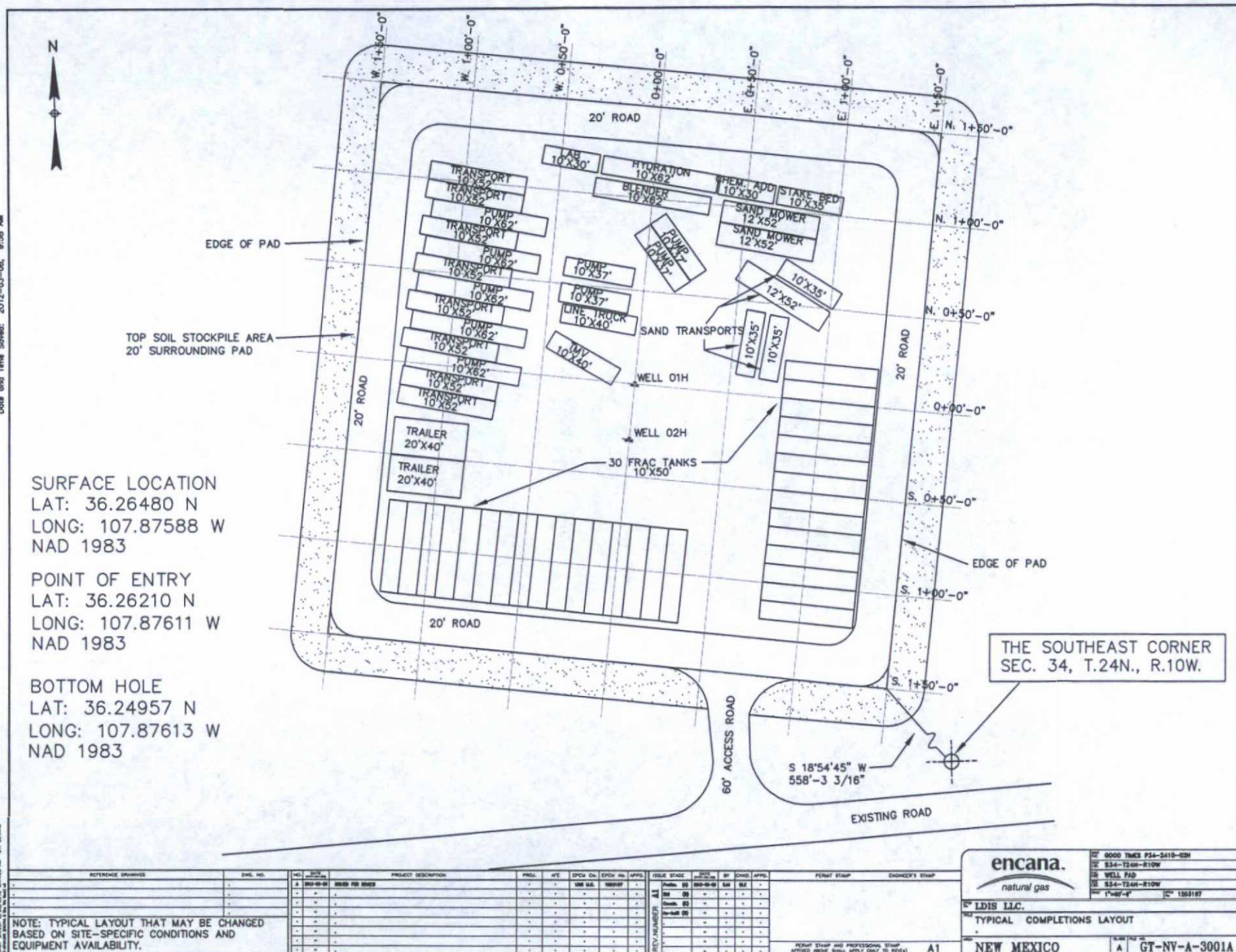
A	GT-NY-A
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Trainings Must Comply with Escrow Drafting Standards (ECA-DOM-S-01)

U.S. GPO: 1980-750-600-10000

Drinking Must Comply with FCC's Drinking Standards (FCA 2004-S-01)

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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PLANTED: 6/26/2012 6:57:58 AM, BY: BRAD FORD
LAST SAMPLED: 6/26/2012 6:47:59 AM, BY: BRAD FORD



Good Times P34-2410 02H
SHL: SESE Section 34, T24N, R10W
645 FSL and 330 FEL
BHL: SESE Section 3, T23N, R10W
335 FSL and 400 FEL
San Juan County, New Mexico
Lease Number: NOO-C-14-20-5825 & NMNM 23744

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

1. ESTIMATED TOPS OF GEOLOGICAL MARKERS (TVD)

The estimated tops of important geologic markers are as follows:

<u>Formation</u>	<u>Depth (TVD)</u>
Ojo Alamo Ss.	392'
Kirtland	522'
Fruitland Coal	807'
Pictured Cliffs	1179'
Lewis	1360'
Cliffhouse	1985'
Menefee	2542'
Point Lookout	3580'
Mancos Shale	3782'
Gallup	4568'

The referenced surface elevation is 6759', KB 6772'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth (TVD)</u>
Gas	Fruitland Coal	807'
Gas	Pictured Cliffs	1179'
Gas	Cliffhouse	1985'
Gas	Point Lookout	3580'
Oil/Gas	Mancos	3782'

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 either 70 percent of the casings internal yield pressure or 100 percent of rated working pressure.
- f) Pressure tests are required before drilling out from under all casing strings set and cemented in place.
- g) BOP controls must be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned.
- h) BOP testing procedures and testing frequency will conform to Onshore Order No. 2.
- i) BOP remote controls shall be located on the rig floor at a location readily accessible to the driller. Master controls shall be on the ground at the accumulator and shall have the capability to function all preventers.

Good Times P34-2410 02H

SHL: SESE Section 34, T24N, R10W
645 FSL and 330 FEL

BHL: SESE Section 3, T23N, R10W
335 FSL and 400 FEL

San Juan County, New Mexico

Lease Number: NOO-C-14-20-5825 & NMNM 23744

- j) The kill line shall be 2-inch minimum and contain two kill line valves, one of which shall be a check valve.
- k) The choke line shall be a 2-inch minimum and contain two choke line valves (2-inch minimum).
- l) The choke and manifold shall contain two adjustable chokes.
- m) Hand wheels shall be installed on all ram preventers.
- n) Safety valves and wrenches (with subs for drill string connections) shall be available on the rig floor at all times.
- o) Inside BOP or float sub shall also be available on the rig floor at all times.

Proposed BOP and choke manifold arrangements are attached.

4. CASING & CEMENTING PROGRAM

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

- a) The proposed casing design is as follows:

Casing	Depth	Hole Size	Csg Size	Weight	Grade
Conductor	0-60'	30"	20"	94#	H40, STC New
Surface	0'-500'	12 1/4"	9 5/8"	36#	J55, STC New
Intermediate	0'-5142'	8 1/2"	7"	26#	J55, LTC New
Production Liner	4942'-10123'	6 1/8"	4 1/2"	11.6#	B80*, LTC New

Casing String				Casing Strength Properties			Minimum Design Factors		
Size	Weight (lb/ft)	Grade	Connection	Collapse (psi)	Burst (psi)	Tensile (1000lb)	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 1/2"	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.

- b) The proposed cementing program is as follows:

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a pre-flush fluid, inner string cement method, etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry (see next page).

Good Times P34-2410 02H

SHL: SESE Section 34, T24N, R10W
645 FSL and 330 FEL

BHL: SESE Section 3, T23N, R10W
335 FSL and 400 FEL

San Juan County, New Mexico

Lease Number: NOO-C-14-20-5825 & NMNM 23744

Casing	Depth	Cement Volume (sacks)	Cement Type&Yield	Designed TOC	Centralizers
Conductor	60'	100sk	Redi-mix Construction Grade Cement	Surface	None
Surface	500'	178sk	Type III Cement + 1% CaCl + 0.25lb/sk Cello Flake + 0.2% FL, 14.6ppg, 1.38cuf/sk	Surface	1 per joint on bottom 3 joints
Intermediate	5142'	30% open hole excess Lead: 155sk Tail: 381sk	Lead: PremLite + 3% CaCl + 0.25lb/sk Cello Flake + 5lb/sk LCM, 12.1ppg 2.13cuf/sk Tail: Type III Cmt + 1% CaCl + 0.25lb/sk Cello Flake 14.5ppg 1.38cuf/sk	Surface	1 per joint for bottom 3 joints, 1 every 3 joints for remaining joints
Production Liner*	4942'-10123'	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 a 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 4249'. Directional plans are attached.

Description	Proposed Depth (TVD/MD)	Formation
Horizontal Lateral TD	4753'/10123'	Gallup

Good Times P34-2410 02H

SHL: SESE Section 34, T24N, R10W
645 FSL and 330 FEL

BHL: SESE Section 3, T23N, R10W
335 FSL and 400 FEL

San Juan County, New Mexico

Lease Number: NOO-C-14-20-5825 & NMNM 23744

6. DRILLING FLUIDS PROGRAM

a) Surface through Intermediate Casing Point:

Hole Size (in)	Depth (ft)	Mud Type	Density (lb/gal)	Viscosity (sec/qt)	Fluid Loss (cc)
30"	0-60' TVD	Fresh Water	8.3-9.2	38-100	4-28
12 1/4"	0-500' TVD	Fresh Water	8.4-8.6	60-70	NC
8 1/2"	500'TVD- 4822'TVD/5142'MD	Fresh Water LSND	8.5-8.8	40-50	8-10

b) Intermediate Casing Point to TD:

Hole Size (in)	MD (ft)	Mud Type	Density (lb/gal)	Viscosity (sec/qt)	Fluid Loss (cc)
6 1/8"	5142'-10123'	Synthetic Oil Based Mud	8.6-9.0	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, including fresh water and oil-based operations. 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 and LOGGING

- a) Drill Stem Testing – None anticipated.
- b) Coring – None anticipated.
- c) Mud 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 +/- 2254 psi based on a 9.0 ppg at 4822' TVD of the landing point of the horizontal lateral. 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 P34-2410 02H

SHL: SESE Section 34, T24N, R10W
645 FSL and 330 FEL

BHL: SESE Section 3, T23N, R10W
335 FSL and 400 FEL

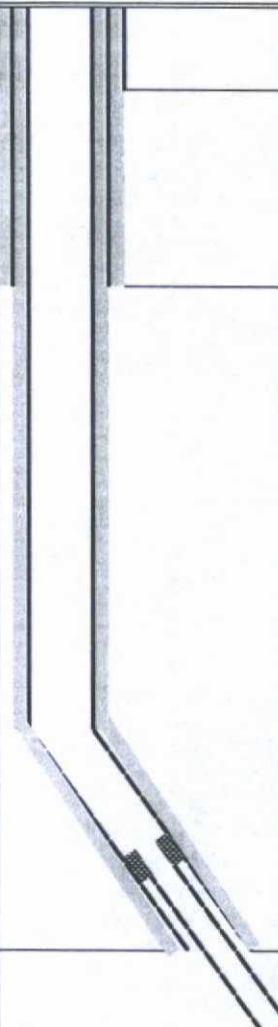
San Juan County, New Mexico

Lease Number: NOO-C-14-20-5825 & NMNM 23744

9. ANTICIPATED START DATE AND DURATION OF OPERATIONS

Drilling is estimated to commence on April 30, 2013. 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 25 days.

LOC: Sec 34-T24N-R10W County: San Juan WELL: Good Times P34-2410 02H			Encana Natural Gas WELL SUMMARY			<div>encana</div> <div>natural gas</div>		ENG: J. Fox/ A. 8/6/12 RIG: GLE: 6759 RKBE: 6772	
MWD LWD	OPEN HOLE LOGGING	FORM	DEPTH TVDMD			HOLE SIZE	CASING SPECS	MW MUD TYPE	DEVIATION INFORMATION
			60	60'		30	20" 94# 100sx Type I Neat 48.8ppg cmt	Fresh wtr 8.3-9.2	
Surveys After csg is run	None	Ojo Alamo	392			12 1/4	9 5/8" 36ppf J55 STC TOC @ surface 178 sks Type III Cmt	Fresh wtr 8.4-8.6	Vertical <1°
Surveys every 500'	No OH logs	Kirtland	522			8 1/2	7" 26ppf J55 LTC TOC @ surface 30% OH excess: 536sks Lead 155 sks Tail 381sks	Fresh Wtr 8.5-8.8	Vertical <1°
		Fruitland Coal	807						
		Pictured Cliffs Ss Lewis Shale	1179 1360						
		Cliffhouse Ss Menefee Fn Point Lookout Ss Mancos Sh	1985 2542 3580 3782						
		KICK OFF PT	4249						
		Gallup Top	4568	5157					KOP 4249 10 deg/100'
			4822	5142					
Surveys every 500' Gyro at CP MWD Gamma Directional	No OH Logs	horz target Base Gallup	4822 4877	5157			6 1/8	200' overlap at liner top 4965' Lateral	
							4 1/2" 11.6ppf SB80 LTC Running external swellable csg packers for isolation of prod string	Switch to OBM 8.6-9.0	

NOTES:

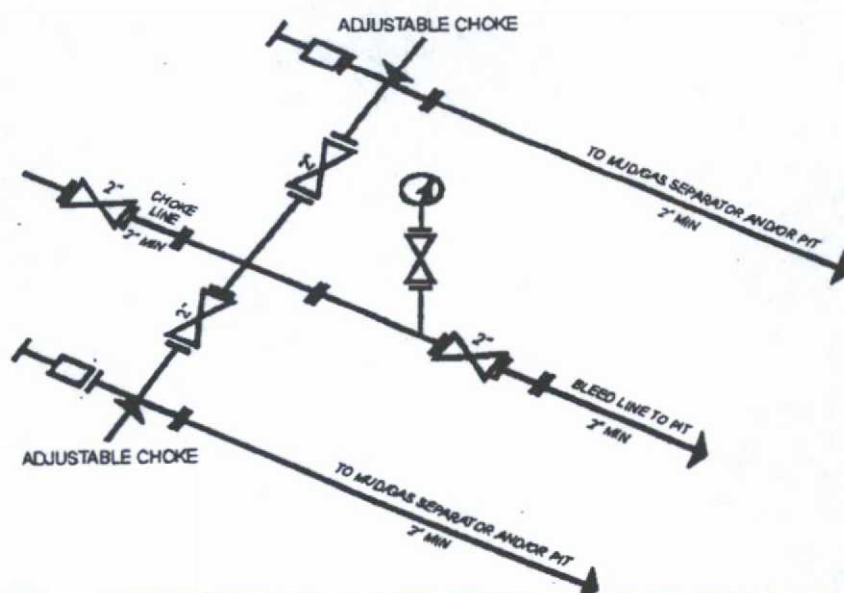
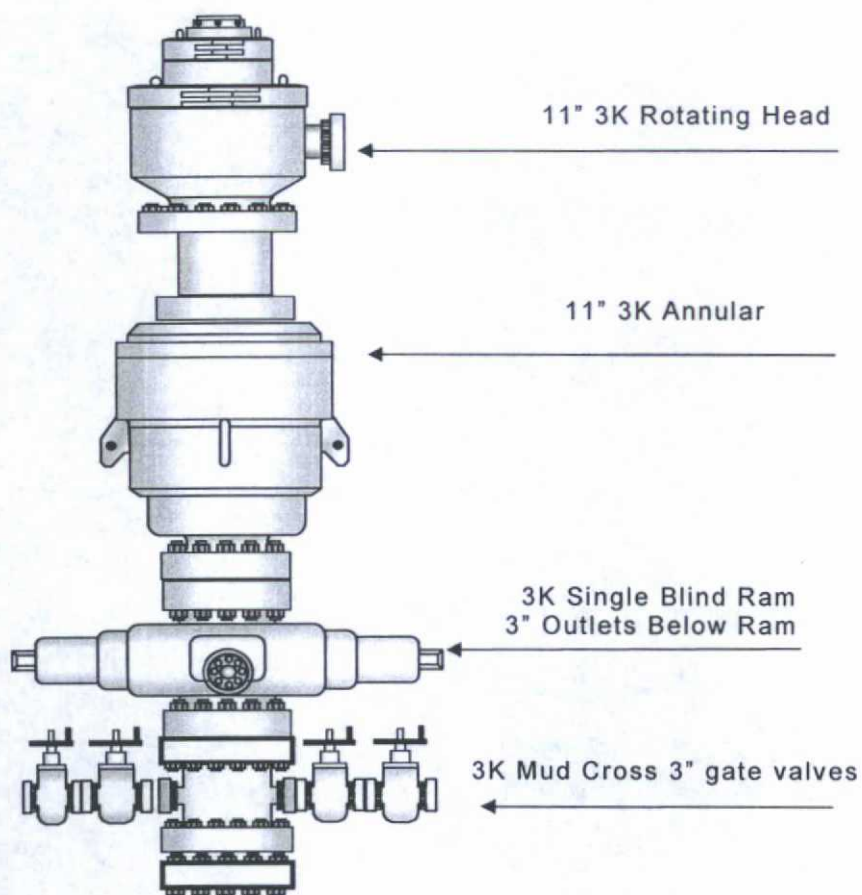
- 1) Drill with 30" bit to 60', set 20" 94# conductor pipe
- 2) Drill surface to 500', R&C 9 5/8" casing
- 3) N/U BOP and surface equipment
- 4) Drill to KOP of 4249' , 8 1/2" hole size,
- 5) PU directional tools and start curve at 10deg/100' build rate
- 6) Drill to casing point of 5142' MD (88deg)
- 7) R&C 7" casing, circ cmt to surface, switch to OBM
- 8) Land at 90deg, drill 4965' lateral to 10123', run 4 1/2" liner with external swellable csg packers

WELLHEAD BLOWOUT CONTROL SYSTEM



Well name and number:

Good Times P34-2410 02H





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

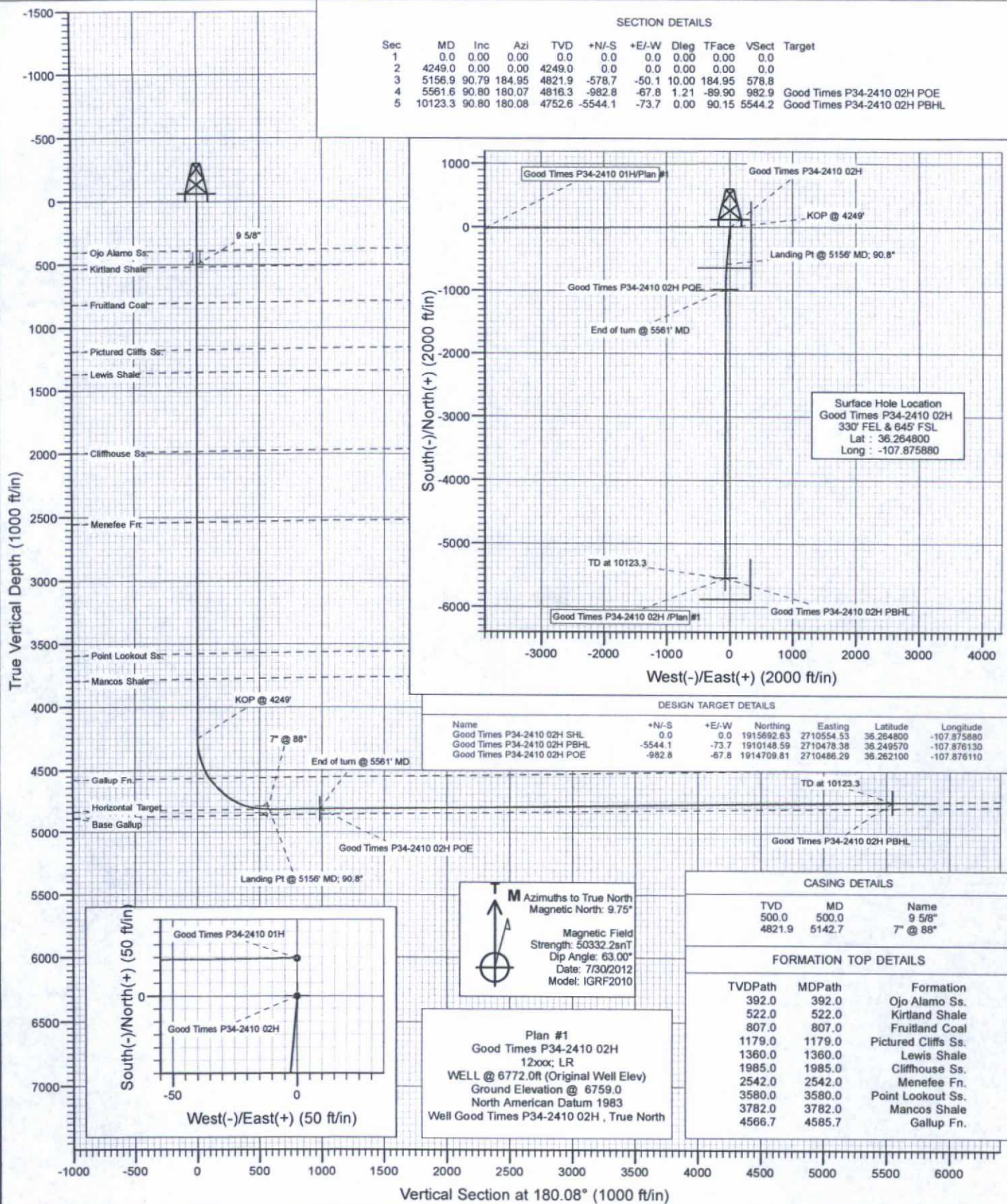
Drilling Mud Weight (ppg)	_____	9.625
Tension Safety Factor	_____	1.80
Maximum Tension Length (ft)	_____	9,630
Internal Yield Safety Factor	_____	1.10
Maximum Depth for Internal Yield (ft)	_____	14,150
Collapse Safety Factor	_____	1.125
Maximum Collapse Depth (ft)	_____	11,290

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



Project: San Juan Co, NM
 Site: S34-T24N-R10W (Good Times)
 Well: Good Times P34-2410 02H
 Wellbore: Hz
 Design: Plan #1



Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Good Times P34-2410 02H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 6772.0ft (Original Well Elev)
Project:	San Juan Co, NM	MD Reference:	WELL @ 6772.0ft (Original Well Elev)
Site:	S34-T24N-R10W (Good Times)	North Reference:	True
Well:	Good Times P34-2410 02H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #1		

Project	San Juan Co, 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	S34-T24N-R10W (Good Times)				
Site Position:		Northing:	1,915,707.21 ft	Latitude:	36.264840
From:	Lat/Long	Easting:	2,710,554.53 ft	Longitude:	-107.875880
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-0.03 °

Well	Good Times P34-2410 02H					
Well Position	+N/-S	0.0 ft	Northing:	1,915,692.63 ft	Latitude:	36.264800
	+E/-W	0.0 ft	Easting:	2,710,554.53 ft	Longitude:	-107.875880
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,759.0 ft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/30/2012	9.75	63.00	50,332

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	180.08

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	
4,249.0	0.00	0.00	4,249.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,156.9	90.79	184.95	4,821.9	-578.7	-50.1	10.00	10.00	0.00	184.95	
5,561.6	90.80	180.07	4,816.3	-982.8	-67.8	1.21	0.00	-1.21	-89.90	Good Times P34-2411
10,123.3	90.80	180.08	4,752.6	-5,544.1	-73.7	0.00	0.00	0.00	90.15	Good Times P34-2411

Cathedral Energy Services

Planning Report

Database: USA EDM 5000 Multi Users DB
 Company: EnCana Oil & Gas (USA) Inc
 Project: San Juan Co, NM
 Site: S34-T24N-R10W (Good Times)
 Well: Good Times P34-2410 02H
 Wellbore: Hz
 Design: Plan #1

Local Co-ordinate Reference: Well Good Times P34-2410 02H
 TVD Reference: WELL @ 6772.0ft (Original Well Elev)
 MD Reference: WELL @ 6772.0ft (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	Good Times P34-2410 02H SHL
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	
392.0	0.00	0.00	392.0	0.0	0.0	0.0	0.00	0.00	Ojo Alamo Ss.
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"
522.0	0.00	0.00	522.0	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	
807.0	0.00	0.00	807.0	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	
1,179.0	0.00	0.00	1,179.0	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	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	
1,360.0	0.00	0.00	1,360.0	0.0	0.0	0.0	0.00	0.00	Lewis Shale
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	
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	
1,985.0	0.00	0.00	1,985.0	0.0	0.0	0.0	0.00	0.00	Cliffhouse Ss.
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	
2,542.0	0.00	0.00	2,542.0	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	
3,580.0	0.00	0.00	3,580.0	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	
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	
3,782.0	0.00	0.00	3,782.0	0.0	0.0	0.0	0.00	0.00	Mancos Shale
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	
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	

Cathedral Energy Services

Planning Report

Database: USA EDM 5000 Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: San Juan Co, NM
Site: S34-T24N-R10W (Good Times)
Well: Good Times P34-2410 02H
Wellbore: Hz
Design: Plan #1

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

Well Good Times P34-2410 02H
WELL @ 6772.0ft (Original Well Elev)
WELL @ 6772.0ft (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
4,249.0	0.00	0.00	4,249.0	0.0	0.0	0.0	0.00	0.00	KOP @ 4249'
4,300.0	5.10	184.95	4,299.9	-2.3	-0.2	2.3	10.00	10.00	
4,400.0	15.10	184.95	4,398.3	-19.7	-1.7	19.7	10.00	10.00	
4,500.0	25.10	184.95	4,492.0	-53.9	-4.7	53.9	10.00	10.00	
4,585.7	33.67	184.95	4,566.7	-95.8	-8.3	95.8	10.00	10.00	Gallup Fn.
4,600.0	35.10	184.95	4,578.5	-103.8	-9.0	103.8	10.00	10.00	
4,700.0	45.10	184.95	4,654.8	-167.9	-14.5	167.9	10.00	10.00	
4,800.0	55.10	184.95	4,718.9	-244.2	-21.1	244.3	10.00	10.00	
4,900.0	65.10	184.95	4,768.7	-330.5	-28.6	330.5	10.00	10.00	
5,000.0	75.10	184.95	4,802.7	-424.0	-36.7	424.1	10.00	10.00	
5,100.0	85.10	184.95	4,819.9	-522.1	-45.2	522.1	10.00	10.00	
5,142.7	89.37	184.95	4,821.9	-564.5	-48.9	564.6	10.00	10.00	7" @ 88°
5,156.9	90.79	184.95	4,821.9	-578.7	-50.1	578.8	10.00	10.00	Landing Pt @ 5156' MD; 90.8°
5,200.0	90.80	184.43	4,821.3	-621.6	-53.6	621.7	1.21	0.00	
5,300.0	90.80	183.22	4,819.9	-721.4	-60.3	721.5	1.21	0.00	
5,400.0	90.80	182.02	4,818.5	-821.3	-64.9	821.4	1.21	0.00	
5,500.0	90.80	180.81	4,817.1	-921.3	-67.3	921.3	1.21	0.00	
5,561.6	90.80	180.07	4,816.3	-982.8	-67.8	982.9	1.21	0.00	End of turn @ 5561' MD - Good Times P34-241
5,600.0	90.80	180.07	4,815.7	-1,021.2	-67.9	1,021.3	0.00	0.00	
5,700.0	90.80	180.07	4,814.3	-1,121.2	-68.0	1,121.3	0.00	0.00	
5,800.0	90.80	180.07	4,812.9	-1,221.2	-68.1	1,221.3	0.00	0.00	
5,900.0	90.80	180.07	4,811.5	-1,321.2	-68.2	1,321.3	0.00	0.00	
6,000.0	90.80	180.07	4,810.1	-1,421.2	-68.3	1,421.3	0.00	0.00	
6,100.0	90.80	180.07	4,808.8	-1,521.2	-68.5	1,521.3	0.00	0.00	
6,200.0	90.80	180.07	4,807.4	-1,621.2	-68.6	1,621.3	0.00	0.00	
6,300.0	90.80	180.07	4,806.0	-1,721.2	-68.7	1,721.3	0.00	0.00	
6,400.0	90.80	180.07	4,804.6	-1,821.2	-68.8	1,821.3	0.00	0.00	
6,500.0	90.80	180.07	4,803.2	-1,921.2	-69.0	1,921.2	0.00	0.00	
6,600.0	90.80	180.07	4,801.8	-2,021.1	-69.1	2,021.2	0.00	0.00	
6,700.0	90.80	180.07	4,800.4	-2,121.1	-69.2	2,121.2	0.00	0.00	
6,800.0	90.80	180.07	4,799.0	-2,221.1	-69.3	2,221.2	0.00	0.00	
6,900.0	90.80	180.07	4,797.6	-2,321.1	-69.5	2,321.2	0.00	0.00	
7,000.0	90.80	180.07	4,796.2	-2,421.1	-69.6	2,421.2	0.00	0.00	
7,100.0	90.80	180.07	4,794.8	-2,521.1	-69.7	2,521.2	0.00	0.00	
7,200.0	90.80	180.07	4,793.4	-2,621.1	-69.9	2,621.2	0.00	0.00	
7,300.0	90.80	180.07	4,792.0	-2,721.1	-70.0	2,721.2	0.00	0.00	
7,400.0	90.80	180.07	4,790.6	-2,821.1	-70.1	2,821.2	0.00	0.00	
7,500.0	90.80	180.07	4,789.2	-2,921.1	-70.2	2,921.1	0.00	0.00	
7,600.0	90.80	180.07	4,787.8	-3,021.0	-70.4	3,021.1	0.00	0.00	
7,700.0	90.80	180.07	4,786.4	-3,121.0	-70.5	3,121.1	0.00	0.00	
7,800.0	90.80	180.07	4,785.0	-3,221.0	-70.6	3,221.1	0.00	0.00	
7,900.0	90.80	180.07	4,783.6	-3,321.0	-70.7	3,321.1	0.00	0.00	
8,000.0	90.80	180.07	4,782.2	-3,421.0	-70.9	3,421.1	0.00	0.00	
8,100.0	90.80	180.07	4,780.8	-3,521.0	-71.0	3,521.1	0.00	0.00	
8,200.0	90.80	180.07	4,779.4	-3,621.0	-71.1	3,621.1	0.00	0.00	
8,300.0	90.80	180.08	4,778.0	-3,721.0	-71.3	3,721.1	0.00	0.00	
8,400.0	90.80	180.08	4,776.6	-3,821.0	-71.4	3,821.1	0.00	0.00	
8,500.0	90.80	180.08	4,775.2	-3,921.0	-71.5	3,921.1	0.00	0.00	
8,600.0	90.80	180.08	4,773.8	-4,020.9	-71.7	4,021.0	0.00	0.00	
8,700.0	90.80	180.08	4,772.5	-4,120.9	-71.8	4,121.0	0.00	0.00	
8,800.0	90.80	180.08	4,771.1	-4,220.9	-71.9	4,221.0	0.00	0.00	
8,900.0	90.80	180.08	4,769.7	-4,320.9	-72.1	4,321.0	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Good Times P34-2410 02H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 6772.0ft (Original Well Elev)
Project:	San Juan Co, NM	MD Reference:	WELL @ 6772.0ft (Original Well Elev)
Site:	S34-T24N-R10W (Good Times)	North Reference:	True
Well:	Good Times P34-2410 02H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #1		

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
9,000.0	90.80	180.08	4,768.3	-4,420.9	-72.2	4,421.0	0.00	0.00	
9,100.0	90.80	180.08	4,766.9	-4,520.9	-72.3	4,521.0	0.00	0.00	
9,200.0	90.80	180.08	4,765.5	-4,620.9	-72.5	4,621.0	0.00	0.00	
9,300.0	90.80	180.08	4,764.1	-4,720.9	-72.6	4,721.0	0.00	0.00	
9,400.0	90.80	180.08	4,762.7	-4,820.9	-72.7	4,821.0	0.00	0.00	
9,500.0	90.80	180.08	4,761.3	-4,920.9	-72.9	4,921.0	0.00	0.00	
9,600.0	90.80	180.08	4,759.9	-5,020.8	-73.0	5,020.9	0.00	0.00	
9,700.0	90.80	180.08	4,758.5	-5,120.8	-73.1	5,120.9	0.00	0.00	
9,800.0	90.80	180.08	4,757.1	-5,220.8	-73.3	5,220.9	0.00	0.00	
9,900.0	90.80	180.08	4,755.7	-5,320.8	-73.4	5,320.9	0.00	0.00	
10,000.0	90.80	180.08	4,754.3	-5,420.8	-73.5	5,420.9	0.00	0.00	
10,100.0	90.80	180.08	4,752.9	-5,520.8	-73.7	5,520.9	0.00	0.00	
10,123.3	90.80	180.08	4,752.6	-5,544.1	-73.7	5,544.2	0.00	0.00	TD at 10123.3 - Good Times P34-2410 02H PB

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									
Good Times P34-2410 0	0.00	0.00	-4,766.3	0.0	0.0	1,915,692.63	2,710,554.53	36.264800	-107.875880
- plan misses target center by 4766.3ft at 0.0ft MD (0.0 TVD, 0.0 N, 0.0 E)									
- Polygon									
Point 1			-4,766.3	400.0	330.0	1,916,092.48	2,710,884.70		
Point 2			-4,766.3	-645.0	330.0	1,915,047.48	2,710,884.24		
Point 3			-4,766.3	-645.0	-500.0	1,915,047.85	2,710,054.24		
Point 4			-4,766.3	-645.0	330.0	1,915,047.48	2,710,884.24		
Point 5			-4,766.3	-1,000.0	330.0	1,914,692.48	2,710,884.09		
Good Times P34-2410 0	0.00	0.00	4,752.6	-5,544.1	-73.7	1,910,148.59	2,710,478.38	36.249570	-107.876130
- plan hits target center									
- Polygon									
Point 1			4,752.6	300.0	400.0	1,910,448.41	2,710,878.51		
Point 2			4,752.6	-335.0	400.0	1,909,813.41	2,710,878.23		
Point 3			4,752.6	-335.0	-400.0	1,909,813.77	2,710,078.23		
Point 4			4,752.6	-335.0	400.0	1,909,813.41	2,710,878.23		
Good Times P34-2410 0	0.00	0.00	4,816.3	-982.8	-67.8	1,914,709.81	2,710,486.29	36.262100	-107.876110
- plan hits target center									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
5,142.7	4,821.9	7" @ 88"	0.000	0.000	
500.0	500.0	9 5/8"	0.000	0.000	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Good Times P34-2410 02H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 6772.0ft (Original Well Elev)
Project:	San Juan Co, NM	MD Reference:	WELL @ 6772.0ft (Original Well Elev)
Site:	S34-T24N-R10W (Good Times)	North Reference:	True
Well:	Good Times P34-2410 02H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
392.0	392.0	Ojo Alamo Ss.		-0.80	180.08	
522.0	522.0	Kirtland Shale		-0.80	180.08	
807.0	807.0	Fruitland Coal		-0.80	180.08	
1,179.0	1,179.0	Pictured Cliffs Ss.		-0.80	180.08	
1,360.0	1,360.0	Lewis Shale		-0.80	180.08	
1,985.0	1,985.0	Cliffhouse Ss.		-0.80	180.08	
2,542.0	2,542.0	Menefee Fn.		-0.80	180.08	
3,580.0	3,580.0	Point Lookout Ss.		-0.80	180.08	
3,782.0	3,782.0	Mancos Shale		-0.80	180.08	
4,585.7	4,568.0	Gallup Fn.		-0.80	180.08	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
4,249.0	4,249.0	0.0	0.0	KOP @ 4249'	
5,156.9	4,821.9	-578.7	-50.1	Landing Pt @ 5156' MD; 90.8°	
5,561.6	4,816.3	-982.8	-67.8	End of turn @ 5561' MD	
10,123.3	4,752.6	-5,544.1	-73.7	TD at 10123.3	

EnCana Oil & Gas (USA) Inc

San Juan Co, NM

S34-T24N-R10W (Good Times)

Good Times P34-2410 02H

Hz

Plan #1

Anticollision Report

30 July, 2012

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Good Times P34-2410 02H
Project:	San Juan Co, NM	TVD Reference:	WELL @ 6772.0ft (Original Well Elev)
Reference Site:	S34-T24N-R10W (Good Times)	MD Reference:	WELL @ 6772.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Good Times P34-2410 02H	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:	GLOBAL FILTER APPLIED: All wellpaths within 200'+ 100/1000 of reference		
Interpolation Method:	MD Interval 100.0ft	Error Model:	Systematic Ellipse
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,212.3ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date	7/30/2012
From (ft)	To (ft)	Survey (Wellbore)
0.0	10,123.3	Plan #1 (Hz)
		Tool Name
		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						
S34-T24N-R10W (Good Times)						
Good Times P34-2410 01H - Hz - Plan #1	4,200.0	4,200.0	14.6	0.0	0.997	Level 1, CC, ES, SF

Cathedral Energy Services

Anticollision Report

Company: EnCana Oil & Gas (USA) Inc
Project: San Juan Co, NM
Reference Site: S34-T24N-R10W (Good Times)
Site Error: 0.0ft
Reference Well: Good Times P34-2410 02H
Well Error: 0.0ft
Reference Wellbore: Hz
Reference Design: Plan #1

Local Co-ordinate Reference: Well Good Times P34-2410 02H
TVD Reference: WELL @ 6772.0ft (Original Well Elev)
MD Reference: WELL @ 6772.0ft (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 S34-T24N-R10W (Good Times) - Good Times P34-2410 01H - Hz - Plan #1														Offset Site Error: 0.0 ft
Survey Program: 0-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 Footface (ft)	Offset Wellbore Centre +N-S (ft)	+E-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	0.00	14.6	0.0	14.6					
100.0	100.0	100.0	100.0	0.2	0.2	0.00	14.6	0.0	14.6	14.3	0.30	48.002		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	14.6	0.0	14.6	13.9	0.65	22.333		
300.0	300.0	300.0	300.0	0.5	0.5	0.00	14.6	0.0	14.6	13.6	1.00	14.551		
400.0	400.0	400.0	400.0	0.7	0.7	0.00	14.6	0.0	14.6	13.2	1.35	10.791		
500.0	500.0	500.0	500.0	0.8	0.8	0.00	14.6	0.0	14.6	12.9	1.70	8.575		
600.0	600.0	600.0	600.0	1.0	1.0	0.00	14.6	0.0	14.6	12.5	2.05	7.114		
700.0	700.0	700.0	700.0	1.2	1.2	0.00	14.6	0.0	14.6	12.2	2.40	6.079		
800.0	800.0	800.0	800.0	1.4	1.4	0.00	14.6	0.0	14.6	11.8	2.75	5.306		
900.0	900.0	900.0	900.0	1.5	1.5	0.00	14.6	0.0	14.6	11.5	3.10	4.708		
1,000.0	1,000.0	1,000.0	1,000.0	1.7	1.7	0.00	14.6	0.0	14.6	11.1	3.45	4.231		
1,100.0	1,100.0	1,100.0	1,100.0	1.9	1.9	0.00	14.6	0.0	14.6	10.8	3.79	3.842		
1,200.0	1,200.0	1,200.0	1,200.0	2.1	2.1	0.00	14.6	0.0	14.6	10.4	4.14	3.518		
1,300.0	1,300.0	1,300.0	1,300.0	2.2	2.2	0.00	14.6	0.0	14.6	10.1	4.49	3.245		
1,400.0	1,400.0	1,400.0	1,400.0	2.4	2.4	0.00	14.6	0.0	14.6	9.7	4.84	3.011		
1,500.0	1,500.0	1,500.0	1,500.0	2.6	2.6	0.00	14.6	0.0	14.6	9.4	5.19	2.808		
1,600.0	1,600.0	1,600.0	1,600.0	2.8	2.8	0.00	14.6	0.0	14.6	9.0	5.54	2.631		
1,700.0	1,700.0	1,700.0	1,700.0	2.9	2.9	0.00	14.6	0.0	14.6	8.7	5.89	2.476		
1,800.0	1,800.0	1,800.0	1,800.0	3.1	3.1	0.00	14.6	0.0	14.6	8.3	6.24	2.337		
1,900.0	1,900.0	1,900.0	1,900.0	3.3	3.3	0.00	14.6	0.0	14.6	8.0	6.59	2.213		
2,000.0	2,000.0	2,000.0	2,000.0	3.5	3.5	0.00	14.6	0.0	14.6	7.6	6.94	2.102		
2,100.0	2,100.0	2,100.0	2,100.0	3.6	3.6	0.00	14.6	0.0	14.6	7.3	7.29	2.001		
2,200.0	2,200.0	2,200.0	2,200.0	3.8	3.8	0.00	14.6	0.0	14.6	6.9	7.63	1.910		
2,300.0	2,300.0	2,300.0	2,300.0	4.0	4.0	0.00	14.6	0.0	14.6	6.6	7.98	1.826		
2,400.0	2,400.0	2,400.0	2,400.0	4.2	4.2	0.00	14.6	0.0	14.6	6.2	8.33	1.750		
2,500.0	2,500.0	2,500.0	2,500.0	4.3	4.3	0.00	14.6	0.0	14.6	5.9	8.68	1.679		
2,600.0	2,600.0	2,600.0	2,600.0	4.5	4.5	0.00	14.6	0.0	14.6	5.5	9.03	1.614		
2,700.0	2,700.0	2,700.0	2,700.0	4.7	4.7	0.00	14.6	0.0	14.6	5.2	9.38	1.554		
2,800.0	2,800.0	2,800.0	2,800.0	4.9	4.9	0.00	14.6	0.0	14.6	4.8	9.73	1.498 Level 3		
2,900.0	2,900.0	2,900.0	2,900.0	5.0	5.0	0.00	14.6	0.0	14.6	4.5	10.08	1.447 Level 3		
3,000.0	3,000.0	3,000.0	3,000.0	5.2	5.2	0.00	14.6	0.0	14.6	4.2	10.43	1.398 Level 3		
3,100.0	3,100.0	3,100.0	3,100.0	5.4	5.4	0.00	14.6	0.0	14.6	3.8	10.78	1.353 Level 3		
3,200.0	3,200.0	3,200.0	3,200.0	5.6	5.6	0.00	14.6	0.0	14.6	3.5	11.12	1.310 Level 3		
3,300.0	3,300.0	3,300.0	3,300.0	5.7	5.7	0.00	14.6	0.0	14.6	3.1	11.47	1.271 Level 3		
3,400.0	3,400.0	3,400.0	3,400.0	5.9	5.9	0.00	14.6	0.0	14.6	2.8	11.82	1.233 Level 2		
3,500.0	3,500.0	3,500.0	3,500.0	6.1	6.1	0.00	14.6	0.0	14.6	2.4	12.17	1.198 Level 2		
3,600.0	3,600.0	3,600.0	3,600.0	6.3	6.3	0.00	14.6	0.0	14.6	2.1	12.52	1.164 Level 2		
3,700.0	3,700.0	3,700.0	3,700.0	6.4	6.4	0.00	14.6	0.0	14.6	1.7	12.87	1.133 Level 2		
3,800.0	3,800.0	3,800.0	3,800.0	6.6	6.6	0.00	14.6	0.0	14.6	1.4	13.22	1.103 Level 2		
3,900.0	3,900.0	3,900.0	3,900.0	6.8	6.8	0.00	14.6	0.0	14.6	1.0	13.57	1.074 Level 2		
4,000.0	4,000.0	4,000.0	4,000.0	7.0	7.0	0.00	14.6	0.0	14.6	0.7	13.92	1.047 Level 2		
4,100.0	4,100.0	4,100.0	4,100.0	7.1	7.1	0.00	14.6	0.0	14.6	0.3	14.27	1.022 Level 2		
4,200.0	4,200.0	4,200.0	4,200.0	7.3	7.3	0.00	14.6	0.0	14.6	0.0	14.62	0.997 Level 1, CC, ES, SF		
4,228.8	4,228.8	4,228.8	4,228.8	7.4	7.4	175.17	14.6	0.0	14.9	0.2	14.71	1.016 Level 2		
4,300.0	4,299.9	4,299.9	4,299.8	7.5	7.5	169.72	14.6	-1.8	16.9	2.0	14.93	1.132 Level 2		
4,400.0	4,398.3	4,395.8	4,394.4	7.7	7.7	148.96	14.4	-17.2	37.7	22.6	15.06	2.503		
4,500.0	4,492.0	4,481.6	4,475.8	7.9	7.9	138.66	14.2	-44.2	80.4	65.3	15.17	5.304		
4,600.0	4,578.5	4,553.8	4,540.4	8.3	8.1	132.01	14.0	-78.1	140.8	125.5	15.35	9.175		
4,700.0	4,654.8	4,611.7	4,589.1	8.8	8.4	124.90	13.7	-107.5	214.4	198.5	15.82	13.550		
4,800.0	4,718.9	4,656.6	4,624.5	9.6	8.6	115.21	13.5	-135.0	297.2	280.3	16.85	17.636		
4,900.0	4,768.7	4,689.9	4,649.3	10.5	8.8	101.21	13.3	-157.2	386.0	367.5	18.48	20.894		
5,000.0	4,802.7	4,712.9	4,665.7	11.7	9.0	82.34	13.2	-173.4	478.2	458.3	19.83	24.109		

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

Cathedral Energy Services

Anticollision Report

Company: EnCana Oil & Gas (USA) Inc
 Project: San Juan Co, NM
 Reference Site: S34-T24N-R10W (Good Times)
 Site Error: 0.0ft
 Reference Well: Good Times P34-2410 02H
 Well Error: 0.0ft
 Reference Wellbore: Hz
 Reference Design: Plan #1

Local Co-ordinate Reference: Well Good Times P34-2410 02H
 TVD Reference: WELL @ 6772.0ft (Original Well Elev)
 MD Reference: WELL @ 6772.0ft (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 S34-T24N-R10W (Good Times) - Good Times P34-2410 01H - Hz - Plan #1													Offset Site Error: 0.0 ft
Survey Program: 0-MWD													Offset Well Error: 0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Total Uncertainty Axis	Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)			
5,100.0	4,819.9	4,726.8	4,675.2	13.1	9.2	61.57	13.1	-183.5	571.4	551.9	19.50	29.301	
5,200.0	4,821.3	4,732.6	4,679.2	14.5	9.2	50.47	13.1	-187.7	664.1	645.2	18.99	34.983	
5,300.0	4,819.9	4,736.0	4,681.5	16.0	9.2	49.04	13.1	-190.3	758.6	738.8	19.87	38.189	
5,400.0	4,818.5	4,738.3	4,683.0	17.8	9.3	46.78	13.1	-192.0	854.8	834.3	20.53	41.634	
5,500.0	4,817.1	4,739.5	4,683.8	19.1	9.3	43.48	13.1	-192.9	952.1	931.2	20.85	45.659	
5,600.0	4,815.7	4,739.5	4,683.8	20.8	9.3	40.80	13.1	-192.9	1,050.2	1,029.0	21.20	49.536	
5,700.0	4,814.3	4,739.3	4,683.7	22.4	9.3	40.75	13.1	-192.8	1,148.6	1,126.3	22.25	51.633	

Cathedral Energy Services

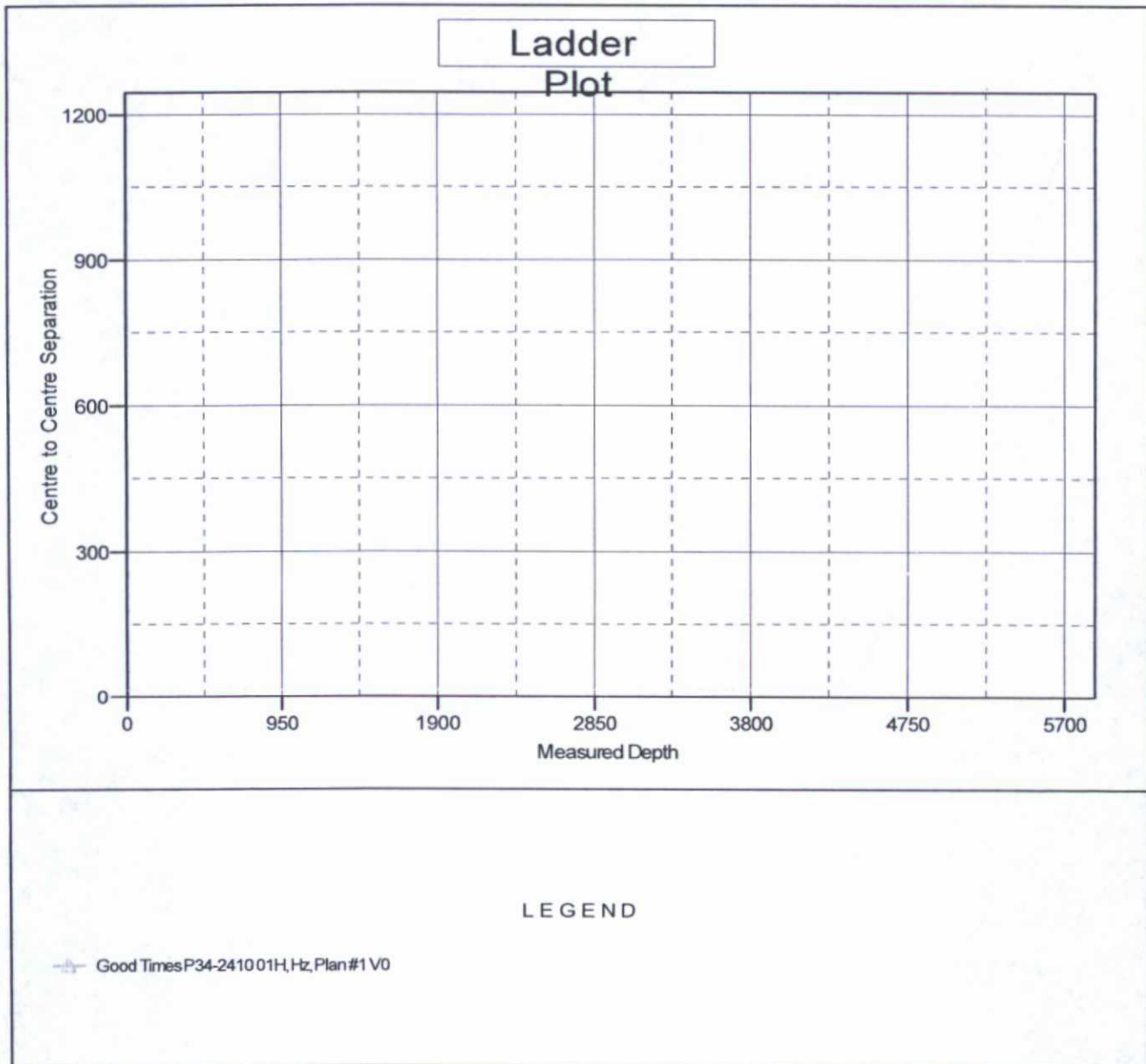
Anticollision Report

Company: EnCana Oil & Gas (USA) Inc
 Project: San Juan Co, NM
 Reference Site: S34-T24N-R10W (Good Times)
 Site Error: 0.0ft
 Reference Well: Good Times P34-2410 02H
 Well Error: 0.0ft
 Reference Wellbore: Hz
 Reference Design: Plan #1

Local Co-ordinate Reference: Well Good Times P34-2410 02H
 TVD Reference: WELL @ 6772.0ft (Original Well Elev)
 MD Reference: WELL @ 6772.0ft (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 @ 6772.0ft (Original Well Elev)
 Offset Depths are relative to Offset Datum
 Central Meridian is -107.833333 °

Coordinates are relative to: Good Times P34-2410 02H
 Coordinate System is US State Plane 1983, New Mexico Western Zone
 Grid Convergence at Surface is: -0.03°



Good Times P34-2410 02H
SHL: SESE Section 34, T24N, R10W
645 FSL and 330 FEL
BHL: SESE Section 3, T23N, R10W
335 FSL and 400 FEL
San Juan County, New Mexico
Lease Number: NOO-C-14-20-5825 & NMNM 23744

Encana Oil & Gas (USA) Inc. Surface Use Plan of Operations

Please see attached survey package:

Sheet A- Form C-102
Sheet B- Topo Map Depicting Well Site, Access Roads, and Pipeline
Sheet C- Directions to Site
Sheet D- Adjacent Wells
Sheet E- Proposed Pipeline Survey for Good Times P34-2410 01H Well Pad
Sheet F - Proposed Well Site Plan and Profile
Sheets G-1 and G-2- Proposed Well Site Layout
Sheet H- Proposed Production Facility Layout

Please note that the Good Times P34-2410 02H will be drilled from the Good Times P34-2410 01H well pad. The well pad, access road and pipeline were approved in the Good Times P34-2410 01H (API No. 30-045-35367) APD approved on September 4, 2012.

1. EXISTING ROADS

- A. Existing access roads are shown on Sheet B.
- B. Directions to the site are provided on Sheet C.
- C. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location. Maintenance will include, but will not be limited to, crown or slope reconstruction, blading, ditch, culvert and catchment cleaning, road surface replacement, and dust abatement. When rutting becomes greater than 6-inches, blading and/or gravelling will be conducted.
- D. Dust emissions will be controlled on the roads and locations, as necessary, with the application of dust suppressants (e.g. magnesium chloride) and/or water.

2. NEW OR RECONSTRUCTED ACCESS ROADS

- A. The proposed access road is staked as shown on Sheet B. Approximately 0.01-miles of new access road is proposed.
- B. Width maximum – 30-foot overall right-of-way with an 18- to 20-foot road running surface.

Traveling off of the 30-foot right-of-way will not be allowed.

- C. Construction standard – the access road will be constructed to the same standards as previously accepted in this area and will be constructed to meet the standards of the anticipated traffic flow and all weather requirements. Construction will include ditching, draining, crowning and capping or sloping and dipping the roadbed, as necessary, to provide a well-constructed and safe road.

Prior to construction the roadway will be cleared of any snow cover and allowed to dry. Construction will not be allowed during muddy conditions. Should mud holes develop, they will be filled in with gravel and detours around them avoided.

- D. Maximum grade – the average grade will be 10 percent or less, wherever possible. The 10 percent grade will only be exceeded in areas where physical terrain or unusual circumstances require it.

Good Times P34-2410 02H

SHL: SESE Section 34, T24N, R10W
645 FSL and 330 FEL

BHL: SESE Section 3, T23N, R10W
335 FSL and 400 FEL

San Juan County, New Mexico

Lease Number: NOO-C-14-20-5825 & NMNM 23744

- E. Drainage design – the proposed access road will be crowned and ditched or sloped and dipped, and water turnouts installed as necessary to provide proper drainage along the proposed access road route. Drainage design will be in accordance with BLM Gold Book standards.
- F. Culvert – One 24-inch culvert will be required where the proposed access road leaves the existing access road.
- G. Surface materials – with the exception of gravel, if needed, all earthen material for construction of the access road will be borrow material accumulated from construction of the access road. In the event that gravel is needed, gravel will be hauled in by truck from a local gravel pit over existing access roads to the area.
- H. Gates, cattle guards or fence cuts – none required.
- I. Road maintenance – maintenance will include, but will not be limited to, crown or slope reconstruction, blading, ditch, culvert and catchment cleaning, road surface replacement, and dust abatement. When rutting becomes greater than 6-inches, blading and/or gravelling will be conducted.
- J. Dust emissions will be controlled on the roads and locations, as necessary, with the application of dust suppressants (e.g. magnesium chloride) and/or water.

3. LOCATION OF EXISTING WELLS

Please refer to Sheet D.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. Pipeline

1. Pipeline right-of-way is hereby requested in the event that production is established. Encana requests approximately 1,132.9 feet of cross-country pipeline right-of-way, for an up to 6-inch outside diameter, buried, steel gas pipeline. The proposed pipeline will tie in to the existing Dugan Production, Inc. Martinez Begay Com #1 pipeline located in SESE Section 34, T24N, R10W.

The proposed pipeline is located entirely on lease NO-G-0905-1759, Allotment No. 258808. The Dugan Production Inc. Martinez Begay #1 pipeline tie-in point is also located on lease NO-G-0905-1759, Allotment No. 258808. The existing Dugan gathering system is located on and off lease.

Please refer to Sheets B and E.

2. Construction width of the pipeline right-of-way will be restricted to 40 feet of disturbance.
3. All buried pipelines will be buried to a depth of 3 feet, except at road crossings where they will be buried to a depth of 4 feet.
4. Pipeline location warning signs will be installed within 90 days after construction is completed.
5. The pipeline right-of-way will be conditioned in a manner to preclude vehicular travel upon said right-of-way.

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B. Production Facility

1. The production facility will consist of a separator, meter, four 400-barrel (bbl) storage tanks, and a compressor. If artificial lift is required, a conventional pumping unit will be installed. A diagram showing the proposed production facility layout is attached as Sheet H.
2. Production equipment will be placed on location in such a manner to minimize long-term disturbance and maximize interim reclamation. As practical, access will be provided by a teardrop-shaped road through the production area so that the center may be revegetated.
3. A berm will be constructed completely around any production facilities which contain fluids (i.e. production tanks, produced water tanks, etc.) These berms will be constructed of compacted subsoil, corrugated metal, or equivalent, be impervious, and hold 110 percent of the capacity of the largest tank.
4. All permanent (onsite for 6 months or longer) above-ground equipment constructed or installed, including pumping units, will be painted Covert Green. All production facilities will be painted within 6 months of installation. Facilities that are required to comply with Occupation Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

C. Encana Oil & Gas (USA) Inc. will protect all survey monuments, witness corners, reference monuments and bearing trees in the affected areas against disturbance during construction, operation, maintenance and termination of the facilities authorized herein.

Encana Oil & Gas (USA) Inc. will immediately notify the Authorized Officer in the event that any corners, monuments or markers are disturbed or are anticipated to be disturbed. If any monuments, corner or accessories are destroyed, obliterated or damaged during construction, operation or maintenance, Encana will secure the services of a Registered Land Surveyor to restore the disturbed monuments, corner or accessories, at the same location, using surveying procedures found in the Manual of Surveying Instructions for the Survey of the Public Lands of the United States, latest edition. Encana will ensure that the Registered Land Surveyor properly records the survey in compliance with 12.8.2 NMAC and will send a copy to the BLM.

- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way, pipeline right-of-way, and well pad areas as specified in the approved Application for Permit to Drill.
- E. Reclamation of disturbed areas no longer needed for operation will be accomplished by grading, restoring pre-construction contours, respreading salvaged topsoil, and seeding as recommend by the BLM.

Encana Oil & Gas (USA) Inc. will be responsible for maintaining the existing and proposed access roads in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

5. LOCATION AND TYPES OF WATER SUPPLY

- A. Water to be used for the drilling and completing of these wells will be hauled by truck over the roads described in Items #1 and #2. Water sources will be private water wells located on private lands.
- B. No water wells will be drilled on this location.

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6. CONSTRUCTION MATERIALS AND METHODS

- A. With the exception of gravel, if needed, all earthen material for construction of the well pad and access road will be borrowed material accumulated from construction of the well pad and access road. In the event that gravel is needed, gravel will be hauled in by truck from a local gravel pit over existing access roads to the area.
- B. As determined during the onsite on January 18, 2012, the following erosion control measures will be implemented:
 - 1. Potential stormwater run-off will be diverted around the well site by creating a diversion ditch between pad corners 3 and 5 and by creating a diversion berm between corners 3 and 2.
 - 2. Silt traps will be installed at downslope ends of the diversion ditches and/or berms.
- C. All vegetation on the location, access road, and proposed pipeline routes will be disposed of as follows:
 - 1. Brush will be chipped or shredded in place. Chipped or shredded material will be salvaged and stored with topsoil.
- D. After removal of vegetation, topsoil will be stripped from all construction workspaces. Topsoil will be defined as the top six inches of soil.
 - 1. Topsoil will be stored separately from subsoil or other excavated material and vehicle/equipment traffic will be prevented from crossing topsoil stockpiles.
 - 2. Topsoil will not be stripped when soils are moisture-saturated or frozen below the stripping depth.
 - 3. All disturbed soils that remain exposed, unprotected, or unreclaimed for longer than 30 days will be stabilized. This will be done through the use of native or sterile non-native seed, or application of a covering such as mulch or matting.

7. METHODS FOR HANDLING WASTE

- A. Cuttings
 - 1. A closed-loop system will be used. Cuttings will be moved through a shaker system on the drill rig that separates drilling fluids from the cuttings. Cuttings will be stored onsite in above-ground storage tanks. Cuttings will be pulled from the storage tanks, mixed with saw dust or similar absorbent material, and disposed of at the Envirotech, Inc. and/or Industrial Ecosystem, Inc. waste disposal facilities.
 - 2. The closed-loop system storage tanks will be adequately sized to ensure confinement of all fluids and will provide sufficient freeboard to prevent uncontrolled releases.
 - 3. The closed-loop system storage tanks will be placed in bermed secondary containment sized to accommodate a minimum of 110 percent of the volume of the largest storage tank.
 - 4. A 20-mil liner will be installed under tanks, pumps, ancillary facilities, and truck loading/unloading areas associated with the closed-loop system.
- B. Drilling Fluids
 - 1. A closed-loop system will be used. Drilling fluids will be stored onsite in above-ground storage tanks. Upon termination of drilling operations, the drilling fluids will be recycled and transferred to other permitted closed-loop systems or returned to the vendor for reuse, as

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practical. Residual fluids will be vacuumed from the storage tanks and disposed of at Basin Disposal, Inc. and/or Industrial Ecosystem, Inc. waste disposal facilities.

2. The closed-loop system storage tanks will be adequately sized to ensure confinement of all fluids and will provide sufficient freeboard to prevent uncontrolled releases.
3. The closed-loop system storage tanks will be placed in bermed secondary containment sized to accommodate a minimum of 110 percent of the volume of the largest storage tank.
4. A 20-mil liner will be installed under tanks, pumps, ancillary facilities, and truck loading/unloading areas associated with the closed-loop system.

C. Flowback Water

1. The water-based solution that flows back to the surface during and after completion operations will be placed in storage tanks on the location.
2. Flowback water will be confined to a storage tank for a period not to exceed 90 days after initial production and will be disposed of at Basin Disposal, Inc. and/or Industrial Ecosystem, Inc. waste disposal facilities.

D. Spills – any spills of non-freshwater fluids will be immediately cleaned up and removed to an approved disposal site.

E. Sewage – self-contained, chemical toilets will be provided for human waste disposal. The toilet holding tanks will be pumped, as needed, and the contents thereof disposed of in an approved sewage disposal facility.

F. Garbage and other waste material – garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash container during drilling and completion operations. The accumulated trash will be removed, as needed, and will be disposed of at an authorized sanitary landfill. No trash will be buried or burned on location.

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

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

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

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT

- A. The proposed well pad layout is shown on Sheets F, G-1, and G-2. Cross sections have been drafted to visualize the planned cuts and fills across the location. Refer to Item 6 for construction materials and methods.

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- B. No permanent living facilities are planned. Office trailers equipped with living quarters will be provided during drilling and completions operations.
- C. A diagram showing the proposed production facility layout is attached as Sheet H.
- D. Encana Oil & Gas (USA) Inc. will notify the Authorized Officer at least three working days prior to construction of the well pad and/or related facilities and within two working days after completion of the well pad.

10. PLANS FOR SURFACE RECLAMATION

The BLM will be contacted prior to commencement of any reclamation operations.

A. Producing Locations

- 1. Immediately upon well completion, the well pad and surrounding areas(s) will be cleared of all debris, materials, trash and junk not required for production. Hydrocarbon-stained soils will be remediated.
- 2. The portion of the well pad not needed for production facility/operations will be graded, recontoured and seeded within 120 days from the date of well completion, weather permitting.
- 3. If the well is a producer, Encana will upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year-round traffic. The last 0.5-miles of existing access road will be crowned and ditched or sloped and dipped, and water turnouts installed as necessary to provide proper drainage along the access road route. Drainage design will be in accordance with BLM Gold Book standards.
- 4. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed areas(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be seeded with a seed mixture recommended by the BLM.

Standard Non-SDA Mix

Type	Variety of Cultivator	lbs/acre PLS
Western Wheatgrass	Arriba	3.0
Indian ricegrass	Paloma or Rimrock	3.0
Slender wheatgrass	San Luis	2.0
Crested wheatgrass	Hy-crest	3.0
Bottlebrush Squirreltail	Unknown	2.0
Four-wing Saltbush	Delar	0.25

- 5. Species shall be planted in pounds of pure live seed per acre:
Present Pure Live Seed (PLS) = Purity X Germination/100
 - a. Seed mixture shall be certified. There shall be NO primary or secondary noxious weeds in seed mixture. Seed labels from each bag shall be available for inspection while seed is being sown.
 - b. Seeding shall be accomplished within 120 days of completion of the construction project (timeframe may be extended on a case by case basis with AO approval). Seeding shall

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be repeated if a satisfactory stand is not obtained as determined by the AO upon evaluation after the second growing season.

- c. All areas of the well site location not utilized for the production of oil and/or gas on a daily basis will be reseeded with the specified seed mix.
- d. Hand seeding with hydro-mulch, excelsior netting and/or mulch with netting is required on the cut/fill slopes. Mulch should be grass or straw spread at 2,000 to 3,000 pounds per acre (or one to two inches deep).
- e. Compacted areas shall be ripped to a depth of 12 inches and disked to a depth of six inches before seeding. Seeding shall be done with a disk-type drill with two boxes for various seed sizes. The drill rows shall be eight to ten inches apart. Seed shall be planted at not less than one-half inch deep or more than one inch deep. The seeder shall be followed with a drag, packer, or roller to ensure uniform coverage of the seed, and adequate compaction. Drilling shall be done on the contour where possible, not up and down the slope.

Permanent erosion control measures will be installed as required.

B. Dry Hole/Abandoned Locations

1. Immediately upon abandonment, the well pad and surrounding areas(s) will be cleared of all debris, materials, and trash. Hydrocarbon-stained soils will be remediated.
2. The well pad will be reclaimed and seeded within 120 days from the date of abandonment, weather permitting.
3. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed areas(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be seeded with a seed mixture recommended by the BLM.

Standard Non-SDA Mix

Type	Variety of Cultivator	Lbs/acre PLS
Western Wheatgrass	Arriba	3.0
Indian ricegrass	Paloma or Rimrock	3.0
Slender wheatgrass	San Luis	2.0
Crested wheatgrass	Hy-crest	3.0
Bottlebrush Squirreltail	Unknown	2.0
Four-wing Saltbush	Delar	0.25

4. Species shall be planted in pounds of pure live seed per acre:
Present Pure Live Seed (PLS) = Purity X Germination/100
 - a. Seed mixture shall be certified. There shall be NO primary or secondary noxious weeds in seed mixture. Seed labels from each bag shall be available for inspection while seed is being sown.
 - b. Seeding shall be accomplished within 120 days of completion of the construction project (timeframe may be extended on a case by case basis with AO approval). Seeding shall

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be repeated if a satisfactory stand is not obtained as determined by the AO upon evaluation after the second growing season.

- c. Hand seeding with hydro-mulch, excelsior netting and/or mulch with netting is required on the cut/fill slopes. Mulch should be grass or straw spread at 2,000 to 3,000 pounds per acre (or one to two inches deep).
- d. Compacted areas shall be ripped to a depth of 12 inches and disked to a depth of six inches before seeding. Seeding shall be done with a disk-type drill with two boxes for various seed sizes. The drill rows shall be eight to ten inches apart. Seed shall be planted at not less than one-half inch deep or more than one inch deep. The seeder shall be followed with a drag, packer, or roller to ensure uniform coverage of the seed, and adequate compaction. Drilling shall be done on the contour where possible, not up and down the slope.

Permanent erosion control measures will be installed as required.

11. SURFACE OWNERSHIP

Navajo Allotted Lands, Allotment No. 258808

12. OTHER INFORMATION

- A. A Class III Cultural Resource Inventory of the proposed well pad, access road, and pipeline route has been conducted and filed with the BLM-Farmington Field Office.
- B. Construction contractors will call New Mexico One-Call, Inc. (or equivalent) to identify the location of any marked or unmarked pipelines or cables located in proximity to the proposed well pad, access road, and pipeline at least two working days prior to ground disturbance.
- C. All operations will be conducted in such a manner that full compliance is made with the applicable laws and regulations, the approved Application for Permit to Drill, and applicable Notice(s) to Lessees.
- D. Encana will be fully responsible for the actions of its subcontractors. A complete copy of the approved Application for Permit to Drill will be furnished to the field representatives and will be on location during all construction, drilling, and completions operations.
- E. An onsite was conducted on January 18, 2012. Attendees were Albert Bond (FIMO), Chris Bitsui (FIMO), Kurt Fagrelus (Dugan Production), Mark Nelson (Encana), Brenda Linster (Encana), Pauline Herbert-Allen (Encana), and Jason Edwards (NCE Surveys).
- F. The proposed well pad will be reclaimed to 1 acre or less (refer to Sheet H).
- G. A Communitization Agreement covering the acreage dedicated to the well will be filed and approved prior to any sales.

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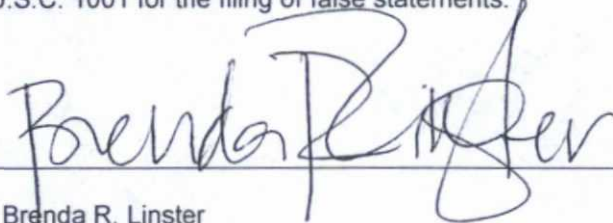
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**Encana Oil & Gas (USA) Inc.
Certification**

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.



09.11.12

Brenda R. Linster
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Date