

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

Tony Delfin
Acting Cabinet Secretary

David R. Catanach, Division Director
Oil Conservation Division



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

Operator Signature Date: 7-16-16

Well information;

Operator Encana, Well Name and Number Nageezi Unit # 326H

API# 30-045-357810, Section 33, Township 24N/S, Range 9 E/W

Conditions of Approval: (See the below checked and handwritten conditions)

- ☒ Notify Aztec OCD 24hrs prior to casing & cement.
- ☒ Hold C-104 for directional survey & "As Drilled" Plat
 - ☐ Hold C-104 for NSL, NSP, DHC
 - ☐ Spacing rule violation. Operator must follow up with change of status notification on other well to be shut in or abandoned
 - ☐ Regarding the use of a pit, closed loop system or below grade tank, the operator must comply with the following as applicable:
 - A pit requires a complete C-144 be submitted and approved prior to the construction or use of the pit, pursuant to 19.15.17.8.A
 - A closed loop system requires notification prior to use, pursuant to 19.15.17.9.A
 - A below grade tank requires a registration be filed prior to the construction or use of the below grade tank, pursuant to 19.15.17.8.C
 - ☐ Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
 - ☐ Submit Gas Capture Plan form prior to spudding or initiating recompletion operations
 - ☒ Regarding Hydraulic Fracturing, review EPA Underground Injection Control Guidance 84
 - ☒ Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.
 - ☒ Well-bore communication is regulated under 19.15.29 NMAC. This requires well-bore Communication to be reported in accordance with 19.15.29.8.

Charles Hern
NMOCD Approved by Signature

12-15-2016
Date

NOS: _____
APDP: _____
MP: _____
SMA: _____
BOND: _____
CA/PK: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No.
NMNM 12374

6. If Indian, Allottee or Tribe Name

1a. Type of work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator
ENCANA OIL & GAS (USA) INC

3a. Address
370 17TH STREET, SUITE 1700 DENVER CO

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

7. If Unit or CA Agreement, Name and No.
INITAL MANCOS PA / NMNM132981A

8. Lease Name and Well No.
NAGEEZI UNIT / 326H

9. API Well No.
30-045-35786

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

At surface NWNE / 188 FNL / 2436 FEL / LAT 36.277246 / LONG -107.793619

At proposed prod. zone NWNE / 1040 FNL / 1740 FEL / LAT 36.260361 / LONG -107.773308

10. Field and Pool, or Exploratory
Wildcat

11. Sec., T. R. M. or Blk. and Survey or Area
SEC 33 / T24N / R9W / NMP

14. Distance in miles and direction from nearest town or post office*
34.8 miles

12. County or Parish
SAN JUAN

13. State
NM

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)
4860 feet

16. No. of acres in lease
2240

17. Spacing Unit dedicated to this well
10415.12

18. Distance from proposed location*
to nearest well, drilling, completed, 30 feet
applied for, on this lease, ft.

19. Proposed Depth
5194 feet / 12079 feet

20. BLM/BIA Bond No. on file
FED: COB000235

OIL CONS. DIV DIST. 3

DEC 01 2016

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
6954 feet

22. Approximate date work will start*
01/02/2017

23. Estimated duration
20 days

24. Attachments

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

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the BLM.

25. Signature
(Electronic Submission)

Name (Printed/Typed)
Katie Wegner / Ph: (720)876-3533

Date
07/06/2016

Title
Regulatory Analyst

Approved by (Signature)
Chip Harvaden
Title
Acting AFM - Minerals

Name (Printed/Typed)
Chip Harvaden
Office
FARMINGTON

Date
11/29/16

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)

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

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

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

NMOCD Av

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (505) 393-6161 Fax: (505) 393-0720

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

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

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 478-3480 Fax: (505) 478-3482

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONS. DIV DIST 3 Form C-102
Revised August 1, 2011

DEC 09 2016 one copy to appropriate
District Office

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35786		*Pool Code 98080	*Pool Name NAGEEZI UNIT, <i>Mancos Loil</i>
*Property Code 315244	*Property Name NAGEEZI UNIT		*Well Number 326H
*OGRID No. 282327	*Operator Name ENCANA OIL & GAS (USA) INC.		*Elevation 6954'

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
B	33	24N	9W		188'	NORTH	2436'	EAST	SAN JUAN

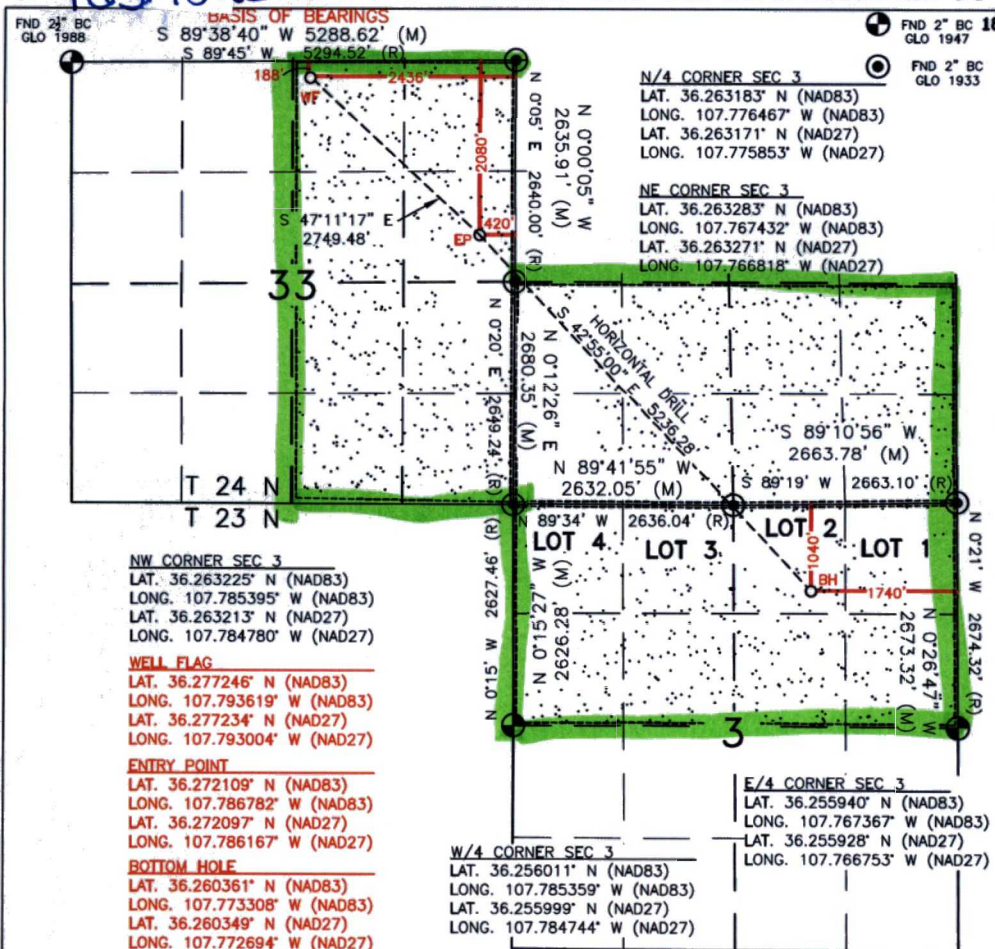
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	3	23N	9W	2	1040'	NORTH	1740'	EAST	SAN JUAN

*Dedicated Acres 33 (320 ACRES), S/2 SEC. 34 (320 ACRES), N/2 SEC. 3 (320 ACRES) - TOTAL 10,415.12 ACRES; SEC. 21-23 (S/2); 25-28, 33-36, 1-4, 9-10 (ALL); 5 (W/2); 11 (NW/4) - UNDIVIDED UNIT		*Joint or Infill	*Consolidation Code	*Order No. R-13856-A (10,415.12 acres)
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

16 *963429C* 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.

Katie Wegner 12/06/16
Signature Date

Katie Wegner
Printed Name
katie.wegner@encana.com
E-mail Address

SURVEYOR CERTIFICATION

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

APRIL 28, 2016

Date of Survey
Signature and Seal of Professional Surveyor:

HENRY P. BROADHURST JR.
NEW MEXICO
11393
PROFESSIONAL SURVEYOR
05/10/2016

Certificate Number 11393

Nageezi Unit 326H

SHL: NW/4 NE/4 Sec 33 T24N R9W, 188' FNL, 2436' FEL

BHL: NW/4 NE/4 Sec 3 T23N R9W, 1040' FNL, 1740' FEL

San Juan, New Mexico

OIL CONS. DIV DIST. 3
DEC 12 2016

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

1. ESTIMATED TOPS OF GEOLOGICAL MARKERS (TVD)

The estimated tops of important geologic markers are as follows:

Formation	Depth (TVD) units = feet
San Jose Fn.	n/a
Nacimiento Fn.	surface
Ojo Alamo Ss.	839
Kirtland Shale	1,016
Fruitland Coal	1,325
Pictured Cliffs Ss.	1,605
Lewis Shale	1,699
Cliffhouse Ss.	2,350
Menefee Fn.	3,103
Point Lookout Ss.	4,065
Mancos Shale	4,208
Mancos Silt	4,780
Gallup Fn.	5,040
Base Gallup	5,364

The referenced surface elevation is 6954', KB 6970'

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

Substance	Formation	Depth (TVD) units = feet
Water/Gas	Fruitland Coal	1,325
Oil/Gas	Pictured Cliffs Ss.	1,605
Oil/Gas	Cliffhouse Ss.	2,350
Gas	Menefee Fn.	3,103
Oil/Gas	Point Lookout Ss.	4,065
Oil/Gas	Mancos Shale	4,208
Oil/Gas	Mancos Silt	4,780
Oil/Gas	Gallup Fn.	5,040

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

Nageezi Unit 326H**SHL: NW/4 NE/4 Sec 33 T24N R9W, 188' FNL, 2436' FEL****BHL: NW/4 NE/4 Sec 3 T23N R9W, 1040' FNL, 1740' FEL****San Juan, New Mexico****3. PRESSURE CONTROL**

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

Proposed BOP and choke manifold arrangements are attached.

4. CASING & CEMENTING PROGRAM

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

- a) The proposed casing design is as follows:

Casing	Depth (MD)	Hole Size	Csg Size	Weight	Grade
Conductor	0'-60'	26"	16"	42.09#	
Surface	0'-500'	12 1/4"	9 5/8"	36#	J55, STC New
Intermediate	0'-5850'	8 3/4"	7"	26#	J55, LTC New
Production Liner	5750'-12079'	6 1/8"	4 1/2"	11.6#	N80, LTC New

Casing String				Casing Strength Properties			Minimum Design Factors		
Size	Weight (ppf)	Grade	Connection	Collapse (psi)	Burst (psi)	Tensile (1000lbs)	Collapse	Burst	Tension
9 5/8"	36	J55	STC	2020	3520	394	1.125	1.1	1.5
7"	26	J55	LTC	4320	4980	367	1.125	1.1	1.5
4.5"	11.6	N80	LTC	6350	7780	201	1.125	1.1	1.5

Casing design is subject to revision based on geologic conditions encountered.

Nageezi Unit 326H**SHL: NW/4 NE/4 Sec 33 T24N R9W, 188' FNL, 2436' FEL****BHL: NW/4 NE/4 Sec 3 T23N R9W, 1040' FNL, 1740' FEL****San Juan, New Mexico**

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

b) The proposed cementing program is as follows:

Casing	Depth (MD)	Cement Volume (sacks)	Cement Type & Yield	Design	Centralizers
Conductor	0'-60'	100 sks	Type I Neat 16 ppg @ 4.5 ft3/sk	Surface	None
Surface	0'-500'	228 sks	Type III Cement 14.6 ppg with 1% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 0.2% bwoc FL-52A + 58.9% Fresh Water @ 1.38 ft3/sk	Surface	1 per joint on bottom 3 joints
Intermediate	0'-5850'	100% open hole excess Stage 1 Lead: 547 sks Stage 1 Tail: 413 sks	Lead: PremLite + 3% CaCl + 0.25lb/sk CelloFlake + 5lb/sk LCM, 12.1ppg 2.13 ft3/sk Tail: Type III Cmt + 1% CaCl + 0.25lb/sk Cello Flake 14.5ppg 1.38 ft3/sk	Surface	1 every 3 joints through water bearing zones
Production Liner	5750'-12079'	50% OH excess Stage 1 Blend Total: 355sks	Blend: Premium Lite High Strength FM 13.5 ppg with 0.7% bwoc R-3 + 3% bwoc Potassium Chloride + 0.25lbs/sack Cello Flake + 0.5% bwoc CD-32 + 1.15% bwoc FL-52A + 60 lbs/sack Calcium Carbonate + 124.4% Fresh Water. Yield 2.63 cuft/sk	Liner Hanger	N/A

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

All waiting on cement times shall be a minimum of 8 hours or adequate to achieve minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

5. WELL PLAN & DIRECTIONAL DRILLING PROGRAM

The proposed horizontal well will have a kick off point of 700'. Directional plans are attached.

Description	Proposed Depth (TVD/MD)	Formation
Horizontal Lateral TD	5194'/12079'	Gallup

Nageezi Unit 326H

SHL: NW/4 NE/4 Sec 33 T24N R9W, 188' FNL, 2436' FEL

BHL: NW/4 NE/4 Sec 3 T23N R9W, 1040' FNL, 1740' FEL

San Juan, New Mexico

6. DRILLING FLUIDS PROGRAM

- a) Surface through Intermediate Casing Point:

Hole Size (in)	Depth (TVD/MD)	Mud Type	Density (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
30"	0-60'/60'	Fresh Water	8.3-9.2	38-100	4-28
12 1/4"	0'-500'/500'	Fresh Water	8.3-10	60-70	NC
8 3/4"	500'/500'-5176'/5850'	Fresh Water LSND	8.3-10	40-50	8-10

- b) Intermediate Casing Point to TD:

Hole Size (in)	Depth (TVD/MD)	Mud Type	Density (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
6 1/8"	5176'/5850'- 5194'/12079'	Fresh Water LSND	8.3-10	15-25	<15

- c) There will be sufficient mud on location to control a blowout should one occur. Mud flow and volume will be monitored both visually and with electronic pit volume totalizers. Mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH. Sized LCM material (such as sawdust & wood fiber) will be kept on location in order to mitigate lost circulation. Electronic PVT totalizers will be used to monitor drilling fluid volumes.
- ✓ d) A closed-loop system will be used to recover drilling fluid and dry cuttings in both phases of the well and on all hole intervals. Above-ground tanks will be utilized to hold cuttings and fluids for rig operations. A frac tank will be on location to store fresh water. Waste will be disposed of properly at an EPA-approved hazardous waste facility. Fresh water cuttings will be disposed of at Basin Disposal, Inc. and/or Industrial Ecosystems, Inc. The location will be lined in accordance with the Surface Use Plan of Operations.

7. TESTING, CORING, & LOGGING

- a) Drill Stem Testing - None anticipated.
- b) Coring - None anticipated.
- c) Mudd Logging - Mud loggers will be on location from kick off point to TD.
- d) Logging - See below.

Cased Hole:

CBL/CCL/GR/VDL will be run as needed for perforating control.

8. ABNORMAL PRESSURES & HYDROGEN SULFIDE

The anticipated bottom hole pressure is +/- 2487 psi based on a 9.0 ppg at 5314' TVD of the horizontal lateral target. No abnormal pressure or temperatures are anticipated. A bottom hole temp of 170 deg F is expected.

No hydrogen sulfide gas is anticipated, however, if H₂S is encountered, the guidelines in Onshore Order No. 6 will be followed.

9. ANTICIPATED START DATE AND DURATION OF OPERATIONS

Drilling is estimated to commence on November 8, 2016. It is anticipated that completion operations will begin within 30 days after the well has been drilled depending on fracture treatment schedules with various pumping service companies.

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

Nageezi Unit 326H**SHL: NW/4 NE/4 Sec 33 T24N R9W, 188' FNL, 2436' FEL****BHL: NW/4 NE/4 Sec 3 T23N R9W, 1040' FNL, 1740' FEL****San Juan, New Mexico****Lease Number: NMNM 12374, BIA NO-G-1403-1916 & NM 8005****CASING 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.

The proposed casing design is as follows:

Casing	Depth (MD)	Hole Size	Csg Size	Weight	Grade
Conductor	0'-60'	26"	16"	42.09#	
Surface	0'-500'	12 1/4"	9 5/8"	36#	J55, STC New
Intermediate	0'-5850'	8 3/4"	7"	26#	J55, LTC New
Production Liner	5750'-12079'	6 1/8"	4 1/2"	11.6#	N80, LTC New

Casing String				Casing Strength Properties			Minimum Design Factors		
Size	Weight (ppf)	Grade	Connection	Collapse (psi)	Burst (psi)	Tensile (1000lbs)	Collapse	Burst	Tension
9 5/8"	36	J55	STC	2020	3520	394	1.125	1.1	1.5
7"	26	J55	LTC	4320	4980	367	1.125	1.1	1.5
4.5"	11.6	N80	LTC	6350	7780	201	1.125	1.1	1.5

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.



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	
3	2297.31	31.95	132.12	2215.83	-291.02	321.82	2.00	132.12	432.25	
4	5504.91	31.95	132.12	4937.62	-1429.39	1580.64	0.00	0.00	2123.04	
5	6242.26	90.80	137.11	5275.71	-1869.92	2015.33	8.00	5.82	2741.84	NAGEEZI UNIT 326H POE
6	12079.41	90.80	137.11	5194.20	-6145.92	5987.93	0.00	0.00	8578.22	NAGEEZI UNIT 326H PBHL

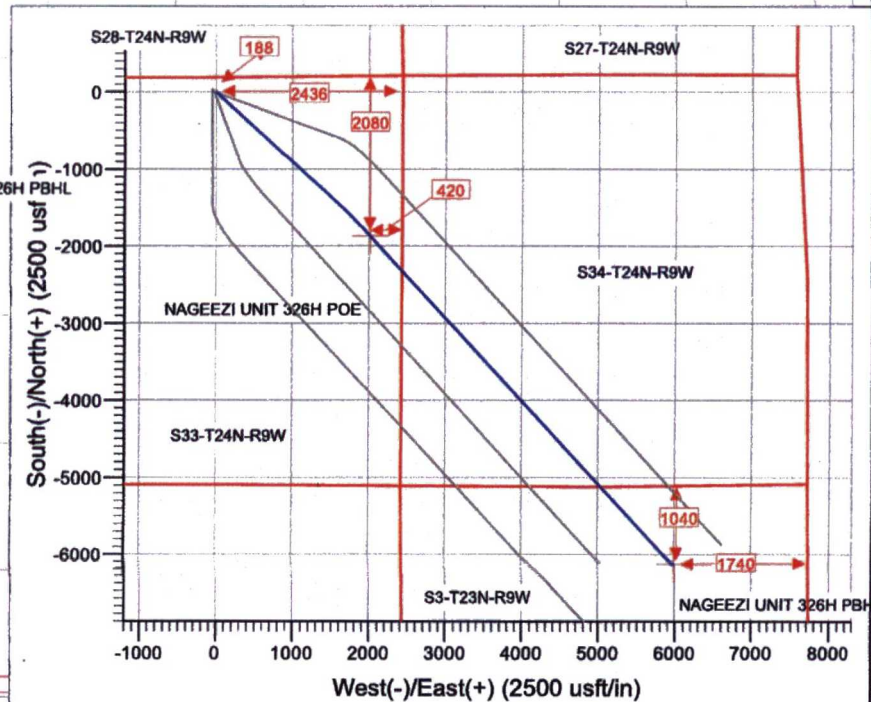
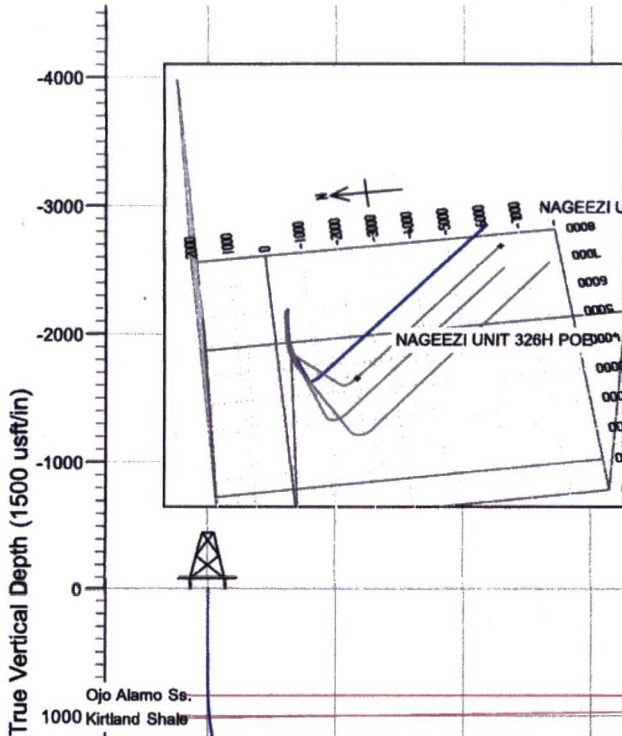
Project: San Juan County, NM
Site: S33-T24N-R9W
Well: NAGEEZI UNIT 326H
Wellbore: OH
Design: PLAN #1



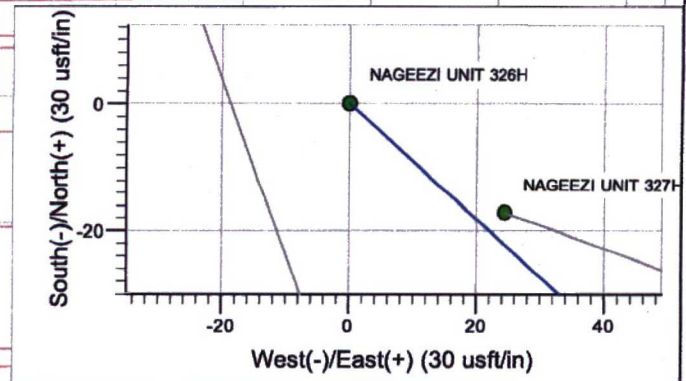
Azimuths to True North
Magnetic North: 9.13°

Magnetic Field
Strength: 49822.2nT
Dip Angle: 62.92°
Date: 5/23/2016
Model: HDGM

PLAN #1 NAGEEZI UNIT 326H 10" KB @ 9970.00ft Ground Level @ 6954.00 North American Datum 1983 Well NAGEEZI UNIT 326H, True North									
Name	Type	Target	No Target (Feet)	Asynch	137.11	Origin Type	Slid	N/S	E/W
NAGEEZI UNIT 326H PBHL	TVD	4982.17	-8118.44	6028.60	36.200437	-107.776562			
NAGEEZI UNIT 326H POE	5070.45	-1487.37	745.75	38.273215	-107.791090				
NAGEEZI UNIT 326H PBHL	6194.20	-6145.92	5987.93	36.272109	-107.773358				
NAGEEZI UNIT 326H POE	6275.71	-1869.92	2015.33	36.272109	-107.788782				



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
839.00	839.05	Ojo Alamo Ss.
1015.76	1016.40	Kirtland Shale
1324.04	1329.09	Fruitland Coal
1602.97	1618.63	Pictured Cliffs Ss.
1696.51	1717.79	Lewis Shale
2342.86	2447.02	Cliffhouse Ss.
3089.39	3326.79	Menefee Fn.
4043.11	4450.75	Point Lookout Ss.
4184.88	4617.82	Mancos Shale
4751.97	5286.12	Mancos Silt
5009.64	5593.40	Gallup Fn.



Vertical Section at 137.11° (1500 usf/in)

WELL DETAILS: NAGEEZI UNIT 326H

+N-S	+E-W	Northing	Ground Level: Easting	Latitude	Longitude
0.00	0.00	1920219.10	2734797.41	36.277246	-107.793619





EnCana Oil & Gas (USA) Inc

San Juan County, NM

S33-T24N-R9W

NAGEEZI UNIT 326H

OH

PLAN #1

Anticollision Report

23 May, 2016

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NAGEEZI UNIT 326H
Project:	San Juan County, NM	TVD Reference:	16' KB @ 6970.00usft
Reference Site:	S33-T24N-R9W	MD Reference:	16' KB @ 6970.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	NAGEEZI UNIT 326H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Reference	PLAN #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	Error Model:	Systematic Ellipse
Depth Range:	387.00 to 9,999,999.00usft	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,500.00usft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date 5/23/2016				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	12,079.41	PLAN #1 (OH)	MWD+HDGM	OWSG MWD + HDGM	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
S33-T24N-R9W						
NAGEEZI UNIT 324H - OH - PLAN #1	687.00	687.00	60.40	55.89	13.393	CC, ES
NAGEEZI UNIT 324H - OH - PLAN #1	11,987.00	12,749.56	1,376.37	982.22	3.492	SF
NAGEEZI UNIT 325H - OH - PLAN #1	687.00	687.00	30.54	26.04	6.773	CC, ES
NAGEEZI UNIT 325H - OH - PLAN #1	11,387.00	11,926.23	718.95	367.92	2.048	SF
NAGEEZI UNIT 327H - OH - PLAN #1	587.00	587.00	29.85	26.06	7.871	CC, ES
NAGEEZI UNIT 327H - OH - PLAN #1	11,987.00	12,178.01	673.74	287.81	1.746	SF

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NAGEEZI UNIT 326H
Project:	San Juan County, NM	TVD Reference:	16' KB @ 6970.00usft
Reference Site:	S33-T24N-R9W	MD Reference:	16' KB @ 6970.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	NAGEEZI UNIT 326H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S33-T24N-R9W - NAGEEZI UNIT 324H - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: O-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Hightide Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
387.00	387.00	387.00	387.00	1.18	1.18	-55.07	34.58	-49.52	60.40	58.04	2.36	25.606		
487.00	487.00	487.00	487.00	1.54	1.54	-55.07	34.58	-49.52	60.40	57.32	3.08	19.637		
587.00	587.00	587.00	587.00	1.90	1.90	-55.07	34.58	-49.52	60.40	56.61	3.79	15.925		
687.00	687.00	687.00	687.00	2.25	2.25	-55.07	34.58	-49.52	60.40	55.89	4.51	13.393 CC, ES		
787.00	786.99	786.99	786.99	2.60	2.61	172.96	34.58	-49.52	61.71	56.49	5.21	11.835		
887.00	886.87	886.87	886.87	2.94	2.97	173.45	34.58	-49.52	66.46	60.55	5.91	11.244		
987.00	986.52	987.86	987.84	3.28	3.32	173.33	33.24	-49.51	73.89	67.29	6.60	11.193		
1,087.00	1,085.82	1,089.01	1,088.87	3.64	3.65	171.50	28.35	-49.50	82.78	75.49	7.29	11.354		
1,187.00	1,184.66	1,190.02	1,189.52	4.01	3.99	168.54	19.92	-49.47	93.31	85.32	7.99	11.677		
1,287.00	1,282.90	1,290.77	1,289.55	4.40	4.34	164.93	7.97	-49.43	105.73	97.02	8.70	12.149		
1,387.00	1,380.43	1,391.14	1,388.73	4.81	4.69	161.03	-7.41	-49.38	120.30	110.87	9.43	12.758		
1,487.00	1,477.14	1,491.01	1,486.83	5.25	5.07	157.11	-26.17	-49.32	137.25	127.07	10.18	13.481		
1,587.00	1,572.90	1,590.29	1,583.63	5.72	5.46	153.35	-48.18	-49.25	156.73	145.77	10.97	14.292		
1,687.00	1,667.59	1,688.86	1,678.93	6.23	5.87	149.83	-73.35	-49.16	178.83	167.03	11.80	15.161		
1,787.00	1,761.10	1,786.64	1,772.55	6.79	6.30	146.59	-101.53	-49.07	203.58	190.91	12.68	16.061		
1,887.00	1,853.33	1,883.53	1,864.32	7.40	6.76	143.63	-132.59	-48.97	230.99	217.37	13.61	16.967		
1,987.00	1,944.14	1,979.45	1,954.09	8.06	7.24	140.94	-166.39	-48.86	261.01	246.40	14.62	17.859		
2,087.00	2,033.44	2,074.33	2,041.72	8.78	7.74	138.50	-202.76	-48.74	293.62	277.93	15.68	18.720		
2,187.00	2,121.12	2,168.00	2,127.05	9.56	8.27	136.28	-241.39	-48.61	328.74	311.92	16.82	19.547		
2,287.00	2,207.07	2,260.45	2,210.91	10.42	8.82	134.60	-280.28	-48.48	366.35	348.35	18.00	20.348		
2,387.00	2,291.93	2,352.42	2,294.35	11.32	9.38	133.87	-318.97	-48.35	405.39	386.17	19.23	21.086		
2,487.00	2,376.79	2,444.38	2,377.78	12.25	9.94	133.32	-357.65	-48.23	444.49	424.01	20.48	21.706		
2,587.00	2,461.64	2,536.35	2,461.21	13.19	10.52	132.86	-396.34	-48.10	483.61	461.85	21.76	22.229		
2,687.00	2,546.49	2,628.31	2,544.65	14.15	11.10	132.47	-435.03	-47.97	522.76	499.70	23.06	22.672		
2,787.00	2,631.35	2,720.28	2,628.08	15.12	11.69	132.13	-473.71	-47.84	561.92	537.54	24.38	23.051		
2,887.00	2,716.20	2,812.24	2,711.51	16.10	12.29	131.83	-512.40	-47.72	601.10	575.38	25.71	23.378		
2,987.00	2,801.06	2,904.21	2,794.94	17.09	12.89	131.58	-551.09	-47.59	640.29	613.23	27.06	23.661		
3,087.00	2,885.91	2,996.17	2,878.37	18.08	13.50	131.35	-589.77	-47.46	679.49	651.06	28.42	23.907		
3,187.00	2,970.77	3,088.14	2,961.81	19.08	14.11	131.14	-628.46	-47.34	718.69	688.90	29.79			

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NAGEEZI UNIT 326H
Project:	San Juan County, NM	TVD Reference:	16' KB @ 6970.00usft
Reference Site:	S33-T24N-R9W	MD Reference:	16' KB @ 6970.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	NAGEEZI UNIT 326H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S33-T24N-R9W - NAGEEZI UNIT 324H - OH - PLAN #1												Offset Site Error:	0.00 usft	
Survey Program: 0-MWD+HDGM												Offset Well Error:	0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning
5,587.00	5,004.85	6,436.73	5,243.72	43.78	45.86	99.06	99.06	-2,398.35	614.44	1,391.70	1,306.85	85.05	16.363	
5,687.00	5,078.35	6,503.18	5,242.91	45.15	46.93	96.87	96.87	-2,446.96	659.74	1,384.72	1,296.13	88.60	15.630	
5,787.00	5,141.98	6,579.37	5,241.98	46.78	48.44	94.60	94.60	-2,502.69	711.68	1,381.89	1,289.54	92.35	14.964	
5,838.95	5,170.63	6,622.31	5,241.45	47.73	49.30	93.44	93.44	-2,534.10	740.96	1,381.58	1,287.18	94.40	14.635	
5,887.00	5,194.28	6,663.81	5,240.95	48.61	50.14	92.43	92.43	-2,564.46	769.25	1,381.79	1,285.49	96.30	14.348	
5,987.00	5,234.26	6,754.87	5,239.83	50.63	52.01	90.57	90.57	-2,631.06	831.33	1,383.08	1,282.63	100.45	13.769	
6,087.00	5,261.12	6,850.76	5,238.66	52.77	54.02	89.21	89.21	-2,701.21	896.70	1,384.62	1,279.85	104.77	13.216	
6,187.00	5,274.35	6,949.63	5,237.45	54.98	56.13	88.49	88.49	-2,773.53	964.10	1,385.56	1,276.36	109.20	12.688	
6,287.00	5,275.09	7,049.58	5,236.23	57.20	58.30	88.39	88.39	-2,846.64	1,032.24	1,385.57	1,271.87	113.69	12.187	
6,387.00	5,273.69	7,149.58	5,235.01	59.45	60.50	88.40	88.40	-2,919.79	1,100.42	1,385.41	1,267.18	118.23	11.718	
6,487.00	5,272.29	7,249.58	5,233.79	61.72	62.72	88.41	88.41	-2,992.94	1,168.59	1,385.24	1,262.44	122.81	11.280	
6,587.00	5,270.90	7,349.58	5,232.57	64.01	64.98	88.42	88.42	-3,066.09	1,236.76	1,385.08	1,257.66	127.42	10.870	
6,687.00	5,269.50	7,449.58	5,231.35	66.31	67.25	88.42	88.42	-3,139.24	1,304.94	1,384.92	1,252.85	132.07	10.486	
6,787.00	5,268.10	7,549.58	5,230.12	68.64	69.54	88.43	88.43	-3,212.39	1,373.11	1,384.76	1,248.01	136.75	10.126	
6,887.00	5,266.71	7,649.58	5,228.90	70.97	71.86	88.44	88.44	-3,285.54	1,441.28	1,384.60	1,243.14	141.46	9.788	
6,987.00	5,265.31	7,749.58	5,227.68	73.33	74.18	88.44	88.44	-3,358.69	1,509.46	1,384.43	1,238.24	146.19	9.470	
7,087.00	5,263.91	7,849.58	5,226.46	75.69	76.52	88.45	88.45	-3,431.84	1,577.63	1,384.27	1,233.32	150.95	9.170	
7,187.00	5,262.52	7,949.58	5,225.24	78.07	78.88	88.46	88.46	-3,504.99	1,645.80	1,384.11	1,228.38	155.73	8.888	
7,287.00	5,261.12	8,049.57	5,224.01	80.45	81.25	88.46	88.46	-3,578.14	1,713.98	1,383.95	1,223.43	160.52	8.621	
7,387.00	5,259.72	8,149.57	5,222.79	82.85	83.62	88.47	88.47	-3,651.29	1,782.15	1,383.79	1,218.45	165.34	8.370	
7,487.00	5,258.33	8,249.57	5,221.57	85.25	86.01	88.48	88.48	-3,724.44	1,850.32	1,383.63	1,213.46	170.17	8.131	
7,587.00	5,256.93	8,349.57	5,220.35	87.66	88.41	88.49	88.49	-3,797.58	1,918.50	1,383.46	1,208.46	175.01	7.905	
7,687.00	5,255.54	8,449.57	5,219.13	90.08	90.81	88.49	88.49	-3,870.73	1,986.67	1,383.30	1,203.44	179.86	7.691	
7,787.00	5,254.14	8,549.57	5,217.91	92.50	93.23	88.50	88.50	-3,943.88	2,054.85	1,383.14	1,198.41	184.73	7.487	
7,887.00	5,252.74	8,649.57	5,216.68	94.93	95.65	88.51	88.51	-4,017.03	2,123.02	1,382.98	1,193.37	189.61	7.294	
7,987.00	5,251.35	8,749.57	5,215.46	97.37	98.07	88.51	88.51	-4,090.18	2,191.19	1,382.82	1,188.31	194.50	7.109	
8,087.00	5,249.95	8,849.57	5,214.24	99.81	100.51	88.52	88.52	-4,163.33	2,					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NAGEEZI UNIT 326H
Project:	San Juan County, NM	TVD Reference:	16' KB @ 6970.00usft
Reference Site:	S33-T24N-R9W	MD Reference:	16' KB @ 6970.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	NAGEEZI UNIT 326H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S33-T24N-R9W - NAGEEZI UNIT 324H - OH - PLAN #1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor		
10,887.00	5,213.64	11,449.57	5,182.47	164.35	164.96	88.71	-6,065.21	4,031.88	1,378.46	1,049.69	328.77	4.193		
10,787.00	5,212.25	11,549.57	5,181.25	166.86	167.46	88.71	-6,138.36	4,100.05	1,378.30	1,044.51	333.79	4.129		
10,887.00	5,210.85	11,649.57	5,180.03	169.37	169.97	88.72	-6,211.51	4,168.22	1,378.14	1,039.33	338.81	4.068		
10,987.00	5,209.45	11,749.56	5,178.81	171.87	172.48	88.73	-6,284.66	4,236.40	1,377.98	1,034.15	343.83	4.008		
11,087.00	5,208.06	11,849.56	5,177.59	174.38	174.99	88.73	-6,357.81	4,304.57	1,377.82	1,028.96	348.86	3.949		
11,187.00	5,206.66	11,949.56	5,176.36	176.89	177.50	88.74	-6,430.96	4,372.75	1,377.66	1,023.77	353.89	3.893		
11,287.00	5,205.27	12,049.56	5,175.14	179.41	180.01	88.75	-6,504.11	4,440.92	1,377.50	1,018.58	358.92	3.838		
11,387.00	5,203.87	12,149.56	5,173.92	181.92	182.52	88.76	-6,577.26	4,509.09	1,377.34	1,013.39	363.95	3.784		
11,487.00	5,202.47	12,249.56	5,172.70	184.43	185.03	88.76	-6,650.41	4,577.27	1,377.18	1,008.20	368.98	3.732		
11,587.00	5,201.08	12,349.56	5,171.48	186.94	187.55	88.77	-6,723.56	4,645.44	1,377.01	1,003.00	374.01	3.682		
11,687.00	5,199.68	12,449.56	5,170.25	189.46	190.06	88.78	-6,796.71	4,713.61	1,376.85	997.81	379.04	3.632		
11,787.00	5,198.28	12,549.56	5,169.03	191.97	192.58	88.78	-6,869.86	4,781.79	1,376.69	992.61	384.08	3.584		
11,887.00	5,196.89	12,649.56	5,167.81	194.49	195.09	88.79	-6,943.00	4,849.96	1,376.53	987.41	389.12	3.538		
11,987.00	5,195.49	12,749.56	5,166.59	197.00	197.61	88.80	-7,016.15	4,918.13	1,376.37	982.22	394.16	3.492 SF		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NAGEEZI UNIT 326H
Project:	San Juan County, NM	TVD Reference:	16' KB @ 6970.00usft
Reference Site:	S33-T24N-R9W	MD Reference:	16' KB @ 6970.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	NAGEEZI UNIT 326H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S33-T24N-R9W - NAGEEZI UNIT 325H - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning	
387.00	387.00	387.00	387.00	1.18	1.18	-55.11	17.47	-25.05	30.54	28.19	2.36	12.950		
487.00	487.00	487.00	487.00	1.54	1.54	-55.11	17.47	-25.05	30.54	27.47	3.08	9.931		
587.00	587.00	587.00	587.00	1.90	1.90	-55.11	17.47	-25.05	30.54	26.75	3.79	8.054		
687.00	687.00	687.00	687.00	2.25	2.25	-55.11	17.47	-25.05	30.54	26.04	4.51	6.773 CC, ES		
787.00	786.99	786.99	786.99	2.60	2.61	173.07	17.47	-25.05	31.86	26.64	5.21	6.109		
887.00	886.87	887.77	887.76	2.94	2.96	172.76	16.21	-24.59	35.51	29.60	5.91	6.012		
987.00	986.52	988.74	988.60	3.28	3.30	170.24	11.64	-22.91	39.79	33.19	6.60	6.025		
1,087.00	1,085.82	1,089.72	1,089.22	3.64	3.64	166.24	3.73	-20.01	44.86	37.55	7.32	6.132		
1,187.00	1,184.66	1,190.67	1,189.46	4.01	3.99	161.39	-7.50	-15.90	50.95	42.91	8.04	6.340		
1,287.00	1,282.90	1,291.55	1,289.14	4.40	4.35	156.22	-22.02	-10.57	58.28	49.51	8.77	6.647		
1,387.00	1,380.43	1,392.32	1,388.11	4.81	4.73	151.11	-39.81	-4.04	67.04	57.52	9.52	7.041		
1,487.00	1,477.14	1,492.93	1,486.20	5.25	5.14	146.31	-60.82	3.66	77.37	67.06	10.31	7.504		
1,587.00	1,572.90	1,593.36	1,583.26	5.72	5.57	141.92	-85.00	12.53	89.33	78.19	11.15	8.013		
1,687.00	1,667.59	1,692.67	1,678.52	6.23	6.01	138.43	-111.37	22.20	103.25	91.22	12.03	8.580		
1,787.00	1,761.10	1,791.24	1,773.01	6.79	6.48	136.77	-137.71	31.87	119.88	106.90	12.96	9.250		
1,887.00	1,853.33	1,899.39	1,867.09	7.40	6.95	136.44	-163.94	41.49	139.00	125.09	13.91	9.990		
1,987.00	1,944.14	1,986.99	1,960.66	8.06	7.43	136.97	-190.02	51.05	160.64	145.75	14.89	10.788		
2,087.00	2,033.44	2,083.93	2,053.59	8.78	7.91	138.02	-215.93	60.56	184.82	168.94	15.88	11.839		
2,187.00	2,121.12	2,180.10	2,145.78	9.56	8.39	139.35	-241.83	69.98	211.64	194.77	16.87	12.542		
2,287.00	2,207.07	2,275.36	2,237.10	10.42	8.88	140.82	-267.09	79.32	241.20	223.32	17.87	13.495		
2,387.00	2,291.93	2,370.05	2,327.87	11.32	9.37	142.51	-292.39	88.60	272.51	253.64	18.87	14.441		
2,487.00	2,376.79	2,464.72	2,418.63	12.25	9.86	143.89	-317.70	97.88	304.02	284.15	19.87	15.297		
2,587.00	2,461.64	2,559.40	2,509.38	13.19	10.35	145.02	-343.00	107.16	335.66	314.78	20.89	16.072		
2,687.00	2,546.49	2,654.07	2,600.14	14.15	10.85	145.95	-368.30	116.44	367.40	345.50	21.90	16.774		
2,787.00	2,631.35	2,748.75	2,690.90	15.12	11.35	146.73	-393.60	125.72	399.21	376.29	22.93	17.413		
2,887.00	2,716.20	2,843.42	2,781.66	16.10	11.85	147.40	-418.90	135.00	431.08	407.13	23.95	17.996		
2,987.00	2,801.06	2,938.10	2,872.42	17.09	12.35	147.97	-444.21	144.28	462.99	438.01	24.99	18.530		
3,087.00	2,885.91	3,032.77	2,963.18	18.08	12.86	148.47	-469.51	153.56	494.94	468.92	26.02	19.019		
3,187.00	2,970.77	3,127.45	3,053.94	19.08	13.36	148.91	-494.81	162.84	526.92	499.86	27.06	19.470		
3,														

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NAGEEZI UNIT 326H
Project:	San Juan County, NM	TVD Reference:	16' KB @ 6970.00usft
Reference Site:	S33-T24N-R9W	MD Reference:	16' KB @ 6970.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	NAGEEZI UNIT 326H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S33-T24N-R9W - NAGEEZI UNIT 325H - OH - PLAN #1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
5,587.00	5,004.65	6,214.02	5,062.27	43.78	45.31	96.39	-1,898.13	1,142.41	646.31	558.10	88.21	7.327		
5,613.39	5,025.00	6,230.49	5,062.04	44.14	45.67	95.06	-1,910.25	1,153.56	645.98	556.83	89.15	7.246		
5,687.00	5,078.35	6,280.31	5,061.35	45.15	46.77	91.14	-1,946.89	1,187.31	648.27	556.83	91.43	7.090		
5,787.00	5,141.98	6,356.37	5,060.29	46.78	48.46	85.67	-2,002.83	1,238.82	656.96	562.79	94.17	6.976		
5,887.00	5,194.28	6,440.70	5,059.11	48.61	50.36	80.56	-2,064.86	1,295.94	668.91	572.15	96.76	6.913		
5,987.00	5,234.26	6,531.67	5,057.84	50.63	52.43	76.32	-2,131.78	1,357.56	680.98	581.46	99.52	6.843		
6,087.00	5,261.12	6,627.50	5,056.50	52.77	54.63	73.31	-2,202.27	1,422.47	690.68	587.99	102.69	6.726		
6,187.00	5,274.35	6,726.34	5,055.12	54.88	56.91	71.72	-2,274.97	1,489.41	696.31	589.90	106.41	6.543		
6,287.00	5,275.09	6,826.28	5,053.73	57.20	59.25	71.49	-2,348.48	1,557.11	697.51	586.83	110.69	6.302		
6,387.00	5,273.69	6,926.28	5,052.33	59.45	61.60	71.50	-2,422.04	1,624.84	697.93	582.85	115.08	6.065		
6,487.00	5,272.29	7,026.28	5,050.93	61.72	63.96	71.51	-2,495.59	1,692.57	698.35	578.83	119.52	5.843		
6,587.00	5,270.90	7,126.28	5,049.54	64.01	66.34	71.53	-2,569.15	1,760.30	698.77	574.79	123.98	5.636		
6,687.00	5,269.50	7,226.28	5,048.14	66.31	68.72	71.54	-2,642.70	1,828.03	699.19	570.72	128.47	5.442		
6,787.00	5,268.10	7,326.28	5,046.75	68.64	71.12	71.55	-2,716.26	1,895.76	699.61	566.62	132.99	5.261		
6,887.00	5,266.71	7,426.28	5,045.35	70.97	73.53	71.56	-2,789.81	1,963.50	700.03	562.50	137.53	5.090		
6,987.00	5,265.31	7,526.28	5,043.95	73.33	75.95	71.57	-2,863.37	2,031.23	700.45	558.35	142.10	4.929		
7,087.00	5,263.91	7,626.28	5,042.56	75.69	78.37	71.58	-2,936.92	2,098.96	700.87	554.19	146.68	4.778		
7,187.00	5,262.52	7,726.28	5,041.16	78.07	80.80	71.59	-3,010.47	2,166.69	701.29	550.02	151.28	4.636		
7,287.00	5,261.12	7,826.27	5,039.76	80.45	83.24	71.61	-3,084.03	2,234.42	701.71	545.82	155.89	4.501		
7,387.00	5,259.72	7,926.27	5,038.37	82.85	85.68	71.62	-3,157.58	2,302.15	702.13	541.61	160.52	4.374		
7,487.00	5,258.33	8,026.27	5,036.97	85.25	88.13	71.63	-3,231.14	2,369.89	702.55	537.39	165.16	4.254		
7,587.00	5,256.93	8,126.27	5,035.58	87.66	90.58	71.64	-3,304.69	2,437.62	702.97	533.16	169.81	4.140		
7,687.00	5,255.54	8,226.27	5,034.18	90.08	93.04	71.65	-3,378.25	2,505.35	703.39	528.91	174.48	4.031		
7,787.00	5,254.14	8,326.27	5,032.78	92.50	95.50	71.66	-3,451.80	2,573.08	703.81	524.66	179.15	3.929		
7,887.00	5,252.74	8,426.27	5,031.39	94.93	97.96	71.67	-3,525.36	2,640.81	704.23	520.39	183.84	3.831		
7,987.00	5,251.35	8,526.27	5,029.99	97.37	100.43	71.69	-3,598.91	2,708.54	704.65	516.12	188.53	3.738		
8,087.00	5,249.95	8,626.27	5,028.60	99.81	102.90	71.70	-3,672.47	2,776.27	705.07	511.83	193.24	3.649		
8,187.00	5,248.55	8,726.27	5,027											

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NAGEEZI UNIT 326H
Project:	San Juan County, NM	TVD Reference:	16' KB @ 6970.00usft
Reference Site:	S33-T24N-R9W	MD Reference:	16' KB @ 6970.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	NAGEEZI UNIT 326H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S33-T24N-R9W - NAGEEZI UNIT 325H - OH - PLAN #1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Total Uncertainty Axis	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,687.00	5,213.64	11,226.24	4,992.30	164.35	167.84	71.99	-5,584.89	4,537.29	716.00	398.71	317.29	2.257	
10,787.00	5,212.25	11,326.24	4,990.90	166.86	170.35	72.00	-5,658.44	4,605.03	716.43	394.32	322.11	2.224	
10,887.00	5,210.85	11,426.24	4,989.50	169.37	172.87	72.01	-5,732.00	4,672.76	716.85	389.92	326.92	2.193	
10,987.00	5,209.45	11,526.24	4,988.11	171.87	175.38	72.02	-5,805.55	4,740.49	717.27	385.53	331.74	2.162	
11,087.00	5,208.06	11,626.24	4,986.71	174.38	177.90	72.03	-5,879.11	4,808.22	717.69	381.13	336.56	2.132	
11,187.00	5,206.66	11,726.24	4,985.32	176.89	180.41	72.04	-5,952.66	4,875.95	718.11	376.73	341.38	2.104	
11,287.00	5,205.27	11,826.24	4,983.92	179.41	182.93	72.05	-6,026.22	4,943.68	718.53	372.32	346.21	2.075	
11,387.00	5,203.87	11,926.23	4,982.52	181.92	185.44	72.06	-6,099.77	5,011.42	718.95	367.92	351.03	2.048 SF	
11,487.00	5,202.47	11,951.61	4,982.17	184.43	186.08	72.07	-6,118.44	5,028.60	723.23	371.21	352.02	2.055	
11,587.00	5,201.08	11,951.61	4,982.17	186.94	186.08	72.07	-6,118.44	5,028.60	740.67	394.48	346.19	2.140	
11,687.00	5,199.68	11,951.61	4,982.17	189.46	186.08	72.07	-6,118.44	5,028.60	770.79	435.66	335.14	2.300	
11,787.00	5,198.28	11,951.61	4,982.17	191.97	186.08	72.07	-6,118.44	5,028.60	812.19	491.68	320.52	2.534	
11,887.00	5,196.89	11,951.61	4,982.17	194.49	186.08	72.07	-6,118.44	5,028.60	863.24	559.26	303.98	2.840	
11,987.00	5,195.49	11,951.61	4,982.17	197.00	186.08	72.07	-6,118.44	5,028.60	922.34	635.49	286.85	3.215	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NAGEEZI UNIT 326H
Project:	San Juan County, NM	TVD Reference:	16' KB @ 6970.00usft
Reference Site:	S33-T24N-R9W	MD Reference:	16' KB @ 6970.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	NAGEEZI UNIT 326H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S33-T24N-R9W - NAGEEZI UNIT 327H - OH - PLAN #1														Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HDGM														Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N-S (usft)	+E-W (usft)				Between Centres (usft)	Between Ellipses (usft)		
387.00	387.00	387.00	387.00	1.18	1.18	124.97	-17.11	24.48	29.85	27.49	2.36	12.658			
487.00	487.00	487.00	487.00	1.54	1.54	124.97	-17.11	24.48	29.85	26.78	3.08	9.706			
587.00	587.00	587.00	587.00	1.90	1.90	124.97	-17.11	24.46	29.85	26.06	3.79	7.871 CC, ES			
687.00	687.00	686.11	686.09	2.25	2.24	124.36	-17.56	25.68	31.12	26.60	4.52	6.892			
787.00	786.99	784.94	784.81	2.60	2.58	-9.95	-19.17	30.06	34.42	29.17	5.25	6.557			
887.00	886.87	883.63	883.17	2.94	2.93	-13.71	-21.96	37.63	37.80	31.80	5.99	6.305			
987.00	986.52	982.15	981.02	3.28	3.28	-18.62	-25.90	48.35	41.42	34.67	6.75	6.133			
1,087.00	1,085.82	1,080.48	1,078.23	3.64	3.65	-24.30	-31.00	62.19	45.54	38.02	7.52	6.055			
1,187.00	1,184.66	1,178.59	1,174.67	4.01	4.04	-30.37	-37.23	79.11	50.41	42.12	8.29	6.082			
1,287.00	1,282.90	1,276.47	1,270.20	4.40	4.45	-36.50	-44.58	99.07	56.25	47.19	9.06	6.208			
1,387.00	1,380.43	1,374.10	1,364.71	4.81	4.89	-42.40	-53.02	122.01	63.23	53.38	9.84	6.423			
1,487.00	1,477.14	1,471.45	1,458.07	5.25	5.35	-47.88	-62.55	147.89	71.46	60.81	10.66	6.706			
1,587.00	1,572.90	1,568.51	1,550.17	5.72	5.86	-52.84	-73.13	176.64	81.02	69.50	11.52	7.034			
1,687.00	1,667.59	1,665.27	1,640.89	6.23	6.41	-57.24	-84.75	208.20	91.93	79.47	12.45	7.383			
1,787.00	1,761.10	1,761.70	1,730.13	6.79	7.01	-61.09	-97.38	242.49	104.16	90.69	13.47	7.732			
1,887.00	1,853.33	1,857.81	1,817.78	7.40	7.67	-64.44	-110.88	279.45	117.72	103.12	14.59	8.086			
1,987.00	1,944.14	1,954.44	1,904.60	8.06	8.38	-67.41	-125.64	319.25	132.46	116.62	15.84	8.364			
2,087.00	2,033.44	2,052.98	1,992.79	8.78	9.14	-70.82	-140.93	360.53	146.91	129.67	17.25	8.518			
2,187.00	2,121.12	2,151.35	2,080.82	9.56	9.93	-74.74	-156.00	401.73	160.93	142.12	18.81	8.554			
2,287.00	2,207.07	2,249.42	2,168.58	10.42	10.72	-79.08	-171.13	442.81	175.00	154.48	20.53	8.526			
2,387.00	2,291.93	2,347.27	2,256.14	11.32	11.53	-83.58	-186.21	483.79	189.80	167.47	22.32	8.502			
2,487.00	2,376.79	2,445.11	2,343.70	12.25	12.34	-87.45	-201.30	524.77	205.60	181.46	24.14	8.518			
2,587.00	2,461.64	2,542.96	2,431.25	13.19	13.17	-90.77	-216.39	565.75	222.20	196.25	25.95	8.562			
2,687.00	2,546.49	2,640.80	2,518.81	14.15	14.00	-93.62	-231.48	606.73	239.43	211.67	27.76	8.625			
2,787.00	2,631.35	2,738.65	2,606.37	15.12	14.83	-96.09	-246.57	647.72	257.17	227.61	29.56	8.701			
2,887.00	2,716.20	2,836.49	2,693.92	16.10	15.67	-98.24	-261.65	688.70	275.31	243.97	31.35	8.783			
2,987.00	2,801.06	2,934.33	2,781.48	17.09	16.52	-100.12	-276.74	729.68	293.79	260.66	33.13	8.868			
3,087.00	2,885.91	3,032.18	2,869.04	18.08	17.36	-101.78	-291.83	770.66	312.54	277.64	34.90	8.955			
3,187.00	2,970.77	3,130.02	2,956.60	19.08											

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NAGEEZI UNIT 326H
Project:	San Juan County, NM	TVD Reference:	16' KB @ 6970.00usft
Reference Site:	S33-T24N-R9W	MD Reference:	16' KB @ 6970.00usft
Site Error:	0.00usft	North Reference:	True
Reference Well:	NAGEEZI UNIT 326H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S33-T24N-R9W - NAGEEZI UNIT 327H - OH - PLAN #1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Distance		Total		Separation		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Uncertainty Axis	Factor	
10,687.00	5,213.64	10,878.02	5,039.10	164.35	168.43	-75.06	-4,680.11	5,519.17	677.14	354.44	322.70	2.098	
10,787.00	5,212.25	10,978.02	5,037.71	166.86	170.92	-75.06	-4,753.55	5,587.03	676.88	349.32	327.56	2.066	
10,887.00	5,210.85	11,078.02	5,036.31	169.37	173.43	-75.05	-4,826.99	5,654.88	676.62	344.20	332.42	2.035	
10,987.00	5,209.45	11,178.02	5,034.92	171.87	175.93	-75.05	-4,900.42	5,722.74	676.36	339.08	337.28	2.005	
11,087.00	5,208.06	11,278.02	5,033.52	174.38	178.43	-75.04	-4,973.86	5,790.60	676.10	333.96	342.14	1.976	
11,187.00	5,206.66	11,378.02	5,032.12	176.89	180.93	-75.03	-5,047.30	5,858.46	675.84	328.84	347.00	1.948	
11,287.00	5,205.27	11,478.01	5,030.73	179.41	183.44	-75.03	-5,120.74	5,926.32	675.57	323.71	351.86	1.920	
11,387.00	5,203.87	11,578.01	5,029.33	181.92	185.94	-75.02	-5,194.18	5,994.17	675.31	318.59	356.73	1.893	
11,487.00	5,202.47	11,678.01	5,027.93	184.43	188.45	-75.02	-5,267.62	6,062.03	675.05	313.46	361.59	1.867	
11,587.00	5,201.08	11,778.01	5,026.54	186.94	190.96	-75.01	-5,341.06	6,129.89	674.79	308.33	366.46	1.841	
11,687.00	5,199.68	11,878.01	5,025.14	189.46	193.47	-75.00	-5,414.50	6,197.75	674.53	303.20	371.33	1.817	
11,787.00	5,198.28	11,978.01	5,023.75	191.97	195.98	-75.00	-5,487.93	6,265.61	674.27	298.07	376.20	1.792	
11,887.00	5,196.89	12,078.01	5,022.35	194.49	198.49	-74.99	-5,561.37	6,333.47	674.00	292.94	381.07	1.769	
11,987.00	5,195.49	12,178.01	5,020.95	197.00	201.00	-74.99	-5,634.81	6,401.32	673.74	287.81	385.94	1.746 SF	

Anticollision Report

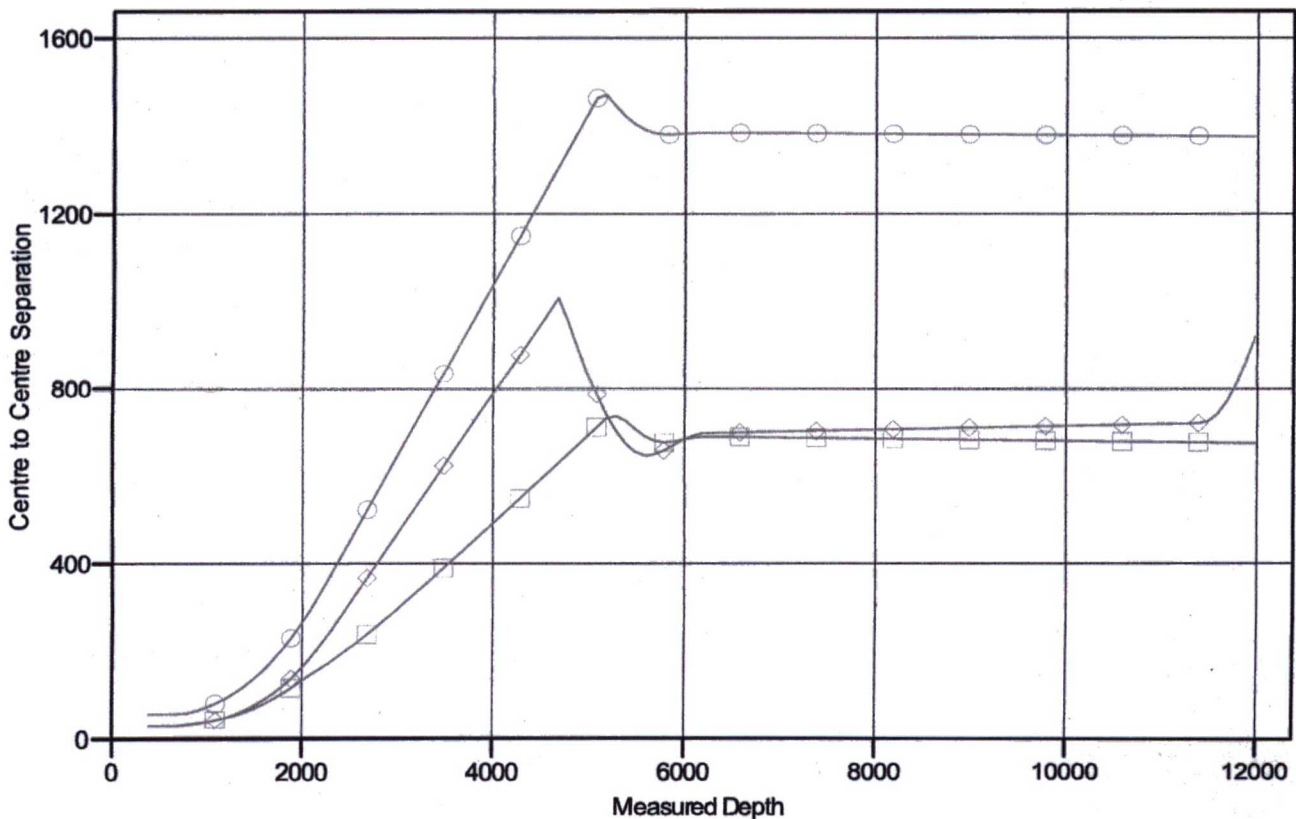
Company: EnCana Oil & Gas (USA) Inc
 Project: San Juan County, NM
 Reference Site: S33-T24N-R9W
 Site Error: 0.00usft
 Reference Well: NAGEEZI UNIT 326H
 Well Error: 0.00usft
 Reference Wellbore: OH
 Reference Design: PLAN #1

Local Co-ordinate Reference: Well NAGEEZI UNIT 326H
 TVD Reference: 16' KB @ 6970.00usft
 MD Reference: 16' KB @ 6970.00usft
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Output errors are at: 2.00 sigma
 Database: USA EDM 5000 Multi Users DB
 Offset TVD Reference: Offset Datum

Reference Depths are relative to 16' KB @ 6970.00usft
 Offset Depths are relative to Offset Datum
 Central Meridian is -107.833333 °

Coordinates are relative to: NAGEEZI UNIT 326H
 Coordinate System is US State Plane 1983, New Mexico Western Zone
 Grid Convergence at Surface is: 0.02°

Ladder Plot



LEGEND

■ NAGEEZI UNIT 327H, OH, PLAN#1 V0 ● NAGEEZI UNIT 324H, OH, PLAN#1 V0 ▲ NAGEEZI UNIT 325H, OH, PLAN#1 V0

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well NAGEEZI UNIT 326H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	16' KB @ 6970.00usft
Project:	San Juan County, NM	MD Reference:	16' KB @ 6970.00usft
Site:	S33-T24N-R9W	North Reference:	True
Well:	NAGEEZI UNIT 326H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

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		S33-T24N-R9W			
Site Position:		Northing:	1,920,253.67 usft	Latitude:	36.277341
From:	Lat/Long	Easting:	2,734,747.88 usft	Longitude:	-107.793787
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.02 °

Well	NAGEEZI UNIT 326H					
Well Position	+N/-S	0.00 usft	Northing:	1,920,219.10 usft	Latitude:	36.277246
	+E/-W	0.00 usft	Easting:	2,734,797.41 usft	Longitude:	-107.793619
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	6,954.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	5/23/2016	9.13	62.92	49,822

Design	PLAN #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	137.11

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,297.31	31.95	132.12	2,215.83	-291.02	321.82	2.00	2.00	0.00	132.12	
5,504.91	31.95	132.12	4,937.62	-1,429.39	1,580.64	0.00	0.00	0.00	0.00	
6,242.26	90.80	137.11	5,275.71	-1,869.92	2,015.33	8.00	7.98	0.68	5.82	NAGEEZI UNIT 326H
12,079.41	90.80	137.11	5,194.20	-6,145.92	5,987.93	0.00	0.00	0.00	0.00	NAGEEZI UNIT 326H

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Project:	San Juan County, NM	MD Reference:	16' KB @ 6970.00usft
Site:	S33-T24N-R9W	North Reference:	True
Well:	NAGEEZI UNIT 326H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100u)	Comments / Formations
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00
800.00	2.00	132.12	799.98	-1.17	1.29	1.74	2.00	2.00	
839.05	2.78	132.12	839.00	-2.26	2.50	3.36	2.00	2.00	Ojo Alamo Ss.
900.00	4.00	132.12	899.84	-4.68	5.18	6.95	2.00	2.00	
1,000.00	6.00	132.12	999.45	-10.53	11.64	15.63	2.00	2.00	
1,016.40	6.33	132.12	1,015.76	-11.71	12.95	17.39	2.00	2.00	Kirtland Shale
1,100.00	8.00	132.12	1,098.70	-18.70	20.68	27.77	2.00	2.00	
1,200.00	10.00	132.12	1,197.47	-29.19	32.28	43.36	2.00	2.00	
1,300.00	12.00	132.12	1,295.62	-41.99	46.43	62.37	2.00	2.00	
1,329.09	12.58	132.12	1,324.04	-46.14	51.02	68.53	2.00	2.00	Fruitland Coal
1,400.00	14.00	132.12	1,393.06	-57.08	63.12	84.77	2.00	2.00	
1,500.00	16.00	132.12	1,489.64	-74.44	82.31	110.56	2.00	2.00	
1,600.00	18.00	132.12	1,585.27	-94.04	104.00	139.68	2.00	2.00	
1,618.63	18.37	132.12	1,602.97	-97.95	108.31	145.47	2.00	2.00	Pictured Cliffs Ss.
1,700.00	20.00	132.12	1,679.82	-115.88	128.14	172.11	2.00	2.00	
1,717.79	20.36	132.12	1,696.51	-120.00	132.69	178.23	2.00	2.00	Lewis Shale
1,800.00	22.00	132.12	1,773.17	-139.92	154.72	207.81	2.00	2.00	
1,900.00	24.00	132.12	1,865.21	-166.12	183.70	246.74	2.00	2.00	
2,000.00	26.00	132.12	1,955.84	-194.47	215.04	288.84	2.00	2.00	
2,100.00	28.00	132.12	2,044.94	-224.92	248.72	334.06	2.00	2.00	
2,200.00	30.00	132.12	2,132.39	-257.43	284.67	382.36	2.00	2.00	
2,297.31	31.95	132.12	2,215.83	-291.02	321.82	432.25	2.00	2.00	Start 3207.60 hold at 2297.31 MD
2,300.00	31.95	132.12	2,218.11	-291.97	322.87	433.66	0.00	0.00	
2,400.00	31.95	132.12	2,302.96	-327.46	362.11	486.37	0.00	0.00	
2,447.02	31.95	132.12	2,342.86	-344.15	380.57	511.16	0.00	0.00	Cliffhouse Ss.
2,500.00	31.95	132.12	2,387.82	-362.95	401.36	539.09	0.00	0.00	
2,600.00	31.95	132.12	2,472.67	-398.44	440.61	591.80	0.00	0.00	
2,700.00	31.95	132.12	2,557.53	-433.93	479.85	644.51	0.00	0.00	
2,800.00	31.95	132.12	2,642.38	-469.42	519.10	697.22	0.00	0.00	
2,900.00	31.95	132.12	2,727.23	-504.91	558.34	749.93	0.00	0.00	
3,000.00	31.95	132.12	2,812.09	-540.40	597.59	802.65	0.00	0.00	
3,100.00	31.95	132.12	2,896.94	-575.89	636.83	855.36	0.00	0.00	
3,200.00	31.95	132.12	2,981.80	-611.38	676.08	908.07	0.00	0.00	
3,300.00	31.95	132.12	3,066.65	-646.87	715.32	960.78	0.00	0.00	
3,326.79	31.95	132.12	3,089.39	-656.38	725.84	974.91	0.00	0.00	Menefee Fn.
3,400.00	31.95	132.12	3,151.51	-682.36	754.57	1,013.49	0.00	0.00	
3,500.00	31.95	132.12	3,236.36	-717.85	793.81	1,066.21	0.00	0.00	
3,600.00	31.95	132.12	3,321.22	-753.34	833.06	1,118.92	0.00	0.00	
3,700.00	31.95	132.12	3,406.07	-788.83	872.30	1,171.63	0.00	0.00	
3,800.00	31.95	132.12	3,490.92	-824.32	911.55	1,224.34	0.00	0.00	
3,900.00	31.95	132.12	3,575.78	-859.81	950.79	1,277.05	0.00	0.00	
4,000.00	31.95	132.12	3,660.63	-895.30	990.04	1,329.77	0.00	0.00	
4,100.00	31.95	132.12	3,745.49	-930.79	1,029.28	1,382.48	0.00	0.00	
4,200.00	31.95	132.12	3,830.34	-966.28	1,068.53	1,435.19	0.00	0.00	
4,300.00	31.95	132.12	3,915.20	-1,001.77	1,107.77	1,487.90	0.00	0.00	

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Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	16' KB @ 6970.00usft
Project:	San Juan County, NM	MD Reference:	16' KB @ 6970.00usft
Site:	S33-T24N-R9W	North Reference:	True
Well:	NAGEEZI UNIT 326H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100u)	Comments / Formations
4,400.00	31.95	132.12	4,000.05	-1,037.26	1,147.02	1,540.62	0.00	0.00	
4,450.75	31.95	132.12	4,043.11	-1,055.27	1,166.94	1,567.37	0.00	0.00	Point Lookout Ss.
4,500.00	31.95	132.12	4,084.91	-1,072.75	1,186.26	1,593.33	0.00	0.00	
4,600.00	31.95	132.12	4,169.76	-1,108.24	1,225.51	1,646.04	0.00	0.00	
4,617.82	31.95	132.12	4,184.88	-1,114.57	1,232.50	1,655.43	0.00	0.00	Mancos Shale
4,700.00	31.95	132.12	4,254.61	-1,143.73	1,264.75	1,698.75	0.00	0.00	
4,800.00	31.95	132.12	4,339.47	-1,179.22	1,304.00	1,751.46	0.00	0.00	
4,900.00	31.95	132.12	4,424.32	-1,214.71	1,343.24	1,804.18	0.00	0.00	
5,000.00	31.95	132.12	4,509.18	-1,250.20	1,382.49	1,856.89	0.00	0.00	
5,100.00	31.95	132.12	4,594.03	-1,285.69	1,421.74	1,909.60	0.00	0.00	
5,200.00	31.95	132.12	4,678.89	-1,321.18	1,460.98	1,962.31	0.00	0.00	
5,286.12	31.95	132.12	4,751.97	-1,351.75	1,494.78	2,007.71	0.00	0.00	Mancos Silt
5,300.00	31.95	132.12	4,763.74	-1,356.67	1,500.23	2,015.02	0.00	0.00	
5,400.00	31.95	132.12	4,848.60	-1,392.16	1,539.47	2,067.74	0.00	0.00	
5,500.00	31.95	132.12	4,933.45	-1,427.65	1,578.72	2,120.45	0.00	0.00	
5,504.91	31.95	132.12	4,937.62	-1,429.39	1,580.64	2,123.04	0.00	0.00	Start DLS 8.00 TFO 5.82
5,593.40	38.99	133.26	5,009.64	-1,464.22	1,618.33	2,174.20	8.00	7.97	Gallup Fn.
5,600.00	39.52	133.33	5,014.75	-1,467.08	1,621.37	2,178.37	8.00	7.97	
5,700.00	47.50	134.24	5,087.22	-1,514.71	1,671.00	2,247.05	8.00	7.98	
5,800.00	55.48	134.95	5,149.44	-1,569.62	1,726.66	2,325.15	8.00	7.98	
5,900.00	63.46	135.53	5,200.20	-1,630.75	1,787.25	2,411.17	8.00	7.98	
6,000.00	71.45	136.03	5,238.51	-1,696.89	1,851.60	2,503.43	8.00	7.99	
6,100.00	79.44	136.49	5,263.62	-1,766.77	1,918.46	2,600.13	8.00	7.99	
6,200.00	87.42	136.93	5,275.06	-1,839.02	1,986.53	2,699.39	8.00	7.99	
6,242.26	90.80	137.11	5,275.71	-1,869.92	2,015.33	2,741.64	8.00	7.99	Start 5837.15 hold at 6242.26 MD
6,300.00	90.80	137.11	5,274.90	-1,912.22	2,054.63	2,799.38	0.00	0.00	
6,400.00	90.80	137.11	5,273.51	-1,985.48	2,122.68	2,899.37	0.00	0.00	
6,500.00	90.80	137.11	5,272.11	-2,058.73	2,190.74	2,999.36	0.00	0.00	
6,600.00	90.80	137.11	5,270.71	-2,131.99	2,258.80	3,099.35	0.00	0.00	
6,700.00	90.80	137.11	5,269.32	-2,205.24	2,326.85	3,199.34	0.00	0.00	
6,800.00	90.80	137.11	5,267.92	-2,278.50	2,394.91	3,299.33	0.00	0.00	
6,900.00	90.80	137.11	5,266.53	-2,351.75	2,462.97	3,399.32	0.00	0.00	
7,000.00	90.80	137.11	5,265.13	-2,425.01	2,531.03	3,499.31	0.00	0.00	
7,100.00	90.80	137.11	5,263.73	-2,498.26	2,599.08	3,599.30	0.00	0.00	
7,200.00	90.80	137.11	5,262.34	-2,571.52	2,667.14	3,699.29	0.00	0.00	
7,300.00	90.80	137.11	5,260.94	-2,644.77	2,735.20	3,799.28	0.00	0.00	
7,400.00	90.80	137.11	5,259.54	-2,718.03	2,803.26	3,899.27	0.00	0.00	
7,500.00	90.80	137.11	5,258.15	-2,791.28	2,871.31	3,999.26	0.00	0.00	
7,600.00	90.80	137.11	5,256.75	-2,864.53	2,939.37	4,099.25	0.00	0.00	
7,700.00	90.80	137.11	5,255.35	-2,937.79	3,007.43	4,199.24	0.00	0.00	
7,800.00	90.80	137.11	5,253.96	-3,011.04	3,075.48	4,299.23	0.00	0.00	
7,900.00	90.80	137.11	5,252.56	-3,084.30	3,143.54	4,399.22	0.00	0.00	
8,000.00	90.80	137.11	5,251.16	-3,157.55	3,211.60	4,499.21	0.00	0.00	
8,100.00	90.80	137.11	5,249.77	-3,230.81	3,279.66	4,599.20	0.00	0.00	
8,200.00	90.80	137.11	5,248.37	-3,304.06	3,347.71	4,699.19	0.00	0.00	
8,300.00	90.80	137.11	5,246.98	-3,377.32	3,415.77	4,799.18	0.00	0.00	
8,400.00	90.80	137.11	5,245.58	-3,450.57	3,483.83	4,899.17	0.00	0.00	
8,500.00	90.80	137.11	5,244.18	-3,523.83	3,551.88	4,999.16	0.00	0.00	
8,600.00	90.80	137.11	5,242.79	-3,597.08	3,619.94	5,099.15	0.00	0.00	
8,700.00	90.80	137.11	5,241.39	-3,670.34	3,688.00	5,199.14	0.00	0.00	
8,800.00	90.80	137.11	5,239.99	-3,743.59	3,756.06	5,299.13	0.00	0.00	
8,900.00	90.80	137.11	5,238.60	-3,816.85	3,824.11	5,399.12	0.00	0.00	

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Well:	NAGEEZI UNIT 326H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100u)	Comments / Formations
9,000.00	90.80	137.11	5,237.20	-3,890.10	3,892.17	5,499.11	0.00	0.00	
9,100.00	90.80	137.11	5,235.80	-3,963.36	3,960.23	5,599.10	0.00	0.00	
9,200.00	90.80	137.11	5,234.41	-4,036.61	4,028.28	5,699.09	0.00	0.00	
9,300.00	90.80	137.11	5,233.01	-4,109.87	4,096.34	5,799.08	0.00	0.00	
9,400.00	90.80	137.11	5,231.62	-4,183.12	4,164.40	5,899.07	0.00	0.00	
9,500.00	90.80	137.11	5,230.22	-4,256.38	4,232.46	5,999.06	0.00	0.00	
9,600.00	90.80	137.11	5,228.82	-4,329.63	4,300.51	6,099.05	0.00	0.00	
9,700.00	90.80	137.11	5,227.43	-4,402.89	4,368.57	6,199.04	0.00	0.00	
9,800.00	90.80	137.11	5,226.03	-4,476.14	4,436.63	6,299.03	0.00	0.00	
9,900.00	90.80	137.11	5,224.63	-4,549.40	4,504.68	6,399.02	0.00	0.00	
10,000.00	90.80	137.11	5,223.24	-4,622.65	4,572.74	6,499.02	0.00	0.00	
10,100.00	90.80	137.11	5,221.84	-4,695.91	4,640.80	6,599.01	0.00	0.00	
10,200.00	90.80	137.11	5,220.44	-4,769.16	4,708.86	6,699.00	0.00	0.00	
10,300.00	90.80	137.11	5,219.05	-4,842.42	4,776.91	6,798.99	0.00	0.00	
10,400.00	90.80	137.11	5,217.65	-4,915.67	4,844.97	6,898.98	0.00	0.00	
10,500.00	90.80	137.11	5,216.25	-4,988.93	4,913.03	6,998.97	0.00	0.00	
10,600.00	90.80	137.11	5,214.86	-5,062.18	4,981.08	7,098.96	0.00	0.00	
10,700.00	90.80	137.11	5,213.46	-5,135.44	5,049.14	7,198.95	0.00	0.00	
10,800.00	90.80	137.11	5,212.07	-5,208.69	5,117.20	7,298.94	0.00	0.00	
10,900.00	90.80	137.11	5,210.67	-5,281.94	5,185.26	7,398.93	0.00	0.00	
11,000.00	90.80	137.11	5,209.27	-5,355.20	5,253.31	7,498.92	0.00	0.00	
11,100.00	90.80	137.11	5,207.88	-5,428.45	5,321.37	7,598.91	0.00	0.00	
11,200.00	90.80	137.11	5,206.48	-5,501.71	5,389.43	7,698.90	0.00	0.00	
11,300.00	90.80	137.11	5,205.08	-5,574.96	5,457.48	7,798.89	0.00	0.00	
11,400.00	90.80	137.11	5,203.69	-5,648.22	5,525.54	7,898.88	0.00	0.00	
11,500.00	90.80	137.11	5,202.29	-5,721.47	5,593.60	7,998.87	0.00	0.00	
11,600.00	90.80	137.11	5,200.89	-5,794.73	5,661.66	8,098.86	0.00	0.00	
11,700.00	90.80	137.11	5,199.50	-5,867.98	5,729.71	8,198.85	0.00	0.00	
11,800.00	90.80	137.11	5,198.10	-5,941.24	5,797.77	8,298.84	0.00	0.00	
11,900.00	90.80	137.11	5,196.71	-6,014.49	5,865.83	8,398.83	0.00	0.00	
12,000.00	90.80	137.11	5,195.31	-6,087.75	5,933.88	8,498.82	0.00	0.00	
12,079.41	90.80	137.11	5,194.20	-6,145.92	5,987.93	8,578.22	0.00	0.00	TD at 12079.41

Targets										
Target Name	- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
NAGEEZI UNIT 326H PI	- plan hits target center	0.00	0.00	5,194.20	-6,145.92	5,987.93	1,914,075.64	2,740,787.86	36.260361	-107.773308
	- Point									
NAGEEZI UNIT 325H PI	- plan misses target center by 821.91usft at 5303.45usft MD (4766.67 TVD, -1357.90 N, 1501.58 E)	0.00	0.00	5,070.45	-1,467.37	745.75	1,918,752.04	2,735,543.77	36.273215	-107.791089
	- Point									
NAGEEZI UNIT 326H PI	- plan hits target center	0.00	0.00	5,275.71	-1,869.92	2,015.33	1,918,350.01	2,736,813.51	36.272109	-107.786782
	- Point									
NAGEEZI UNIT 325H PI	- plan misses target center by 719.05usft at 11409.35usft MD (5203.56 TVD, -5655.07 N, 5531.91 E)	0.00	0.00	4,982.17	-6,118.44	5,028.60	1,914,102.73	2,739,828.53	36.260437	-107.776562
	- Point									

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well NAGEEZI UNIT 326H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	16' KB @ 6970.00usft
Project:	San Juan County, NM	MD Reference:	16' KB @ 6970.00usft
Site:	S33-T24N-R9W	North Reference:	True
Well:	NAGEEZI UNIT 326H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (")	Dip Direction (")
839.05	839.00	Ojo Alamo Ss.			
1,016.40	1,016.00	Kirtland Shale		-0.80	137.11
1,329.09	1,325.00	Fruitland Coal		-0.80	137.11
1,618.63	1,605.00	Pictured Cliffs Ss.		-0.80	137.11
1,717.79	1,699.00	Lewis Shale		-0.80	137.11
2,447.02	2,350.00	Cliffhouse Ss.		-0.80	137.11
3,326.79	3,103.00	Menefee Fn.		-0.80	137.11
4,450.75	4,065.00	Point Lookout Ss.		-0.80	137.11
4,617.82	4,208.00	Mancos Shale		-0.80	137.11
5,286.12	4,780.00	Mancos Silt		-0.80	137.11
5,593.40	5,040.00	Gallup Fn.		-0.80	137.11

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
700.00	700.00	0.00	0.00	Start Build 2.00
2,297.31	2,215.83	-291.02	321.82	Start 3207.60 hold at 2297.31 MD
5,504.91	4,937.62	-1,429.39	1,580.64	Start DLS 8.00 TFO 5.82
6,242.26	5,275.71	-1,869.92	2,015.33	Start 5837.15 hold at 6242.26 MD
12,079.41	5,194.20	-6,145.92	5,987.93	TD at 12079.41

Nageezi Unit 326H
SHL: NWNE Section 33, T24N, R9W
188 FNL and 2436 FEL
BHL: NWNE Section 3, T23N, R9W
1040 FNL and 1740 FEL
San Juan County, New Mexico
Unit Number: NMNM 132981A
Lease Numbers: NMNM 12374, BIA NO-G-1403-1916, NM 8005

Any trees smaller than 3-inches in diameter, slash and brush will be chipped, shredded or mulched and incorporated into the topsoil for later use in interim reclamation.

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

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

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

5. All construction materials for the pipeline will consist of native borrow and subsoil accumulated during pipeline construction. If additional fill or surfacing material is required, it will be obtained from existing permitted or private sources and will be hauled in by trucks over existing access roads.
6. Construction equipment may include chain saws, a brush hog, scraper, maintainer, excavator, dozer, backhoe, hydrovac, welder, trencher, side-boom, and misc. specialty equipment. Construction of the pipeline will take approximately 2-4 weeks.

7. METHODS FOR HANDLING WASTE

✓ A. Cuttings

1. A closed-loop system will be used. Cuttings will be moved through a shaker system on the drill rig that separates drilling fluids from the cuttings. Cuttings will be stored onsite in above-ground storage tanks. Cuttings will be pulled from the storage tanks, mixed with saw dust or similar absorbent material, and disposed of at the Envirotech, Inc. and/or Industrial Ecosystem, Inc. waste disposal facilities.
2. The closed-loop system storage tanks will be adequately sized to ensure confinement of all fluids and will provide sufficient freeboard to prevent uncontrolled releases.
3. A 20-mil liner will be installed under tanks, pumps, ancillary facilities, and truck loading/unloading areas associated with the closed-loop system.

B. Drilling Fluids

1. A closed-loop system will be used. Drilling fluids will be stored onsite in above-ground storage tanks. Upon termination of drilling operations, the drilling fluids will be recycled and transferred to other permitted closed-loop systems or returned to the vendor for reuse, as practical. Residual fluids will be vacuumed from the storage tanks and disposed of at Basin Disposal, Inc. and/or Industrial Ecosystem, Inc. waste disposal facilities.
2. The closed-loop system storage tanks will be adequately sized to ensure confinement of all fluids and will provide sufficient freeboard to prevent uncontrolled releases.
3. The closed-loop system storage tanks will be placed in bermed secondary containment sized to accommodate a minimum of 110 percent of the volume of the largest storage tank.
4. A 20-mil liner will be installed under tanks, pumps, ancillary facilities, and truck loading/unloading areas associated with the closed-loop system.

Loc: NW/4 NE/4 Sec 33 T24N R9W, 188' FNL County: San Juan WELL: Nageezi Unit 326H			Encana Oil & Gas (USA) Inc. WELL SUMMARY			ENG: 0 RIG: Unassigned GLE: 0954.2 RKBE: 0970.2			12-12-16
MWD LWD	OPEN HOLE LOGGING	FORM	DEPTH			HOLE SIZE	CASING SPECS	MW MUD TYPE	DEVIATION INFORMATION
			TVD	MD					
			60	60'		26	16" 42.09# 100sx Type I Neat 16.0ppg cmt	Fresh wtr 8.3-9.2	
Multi-Well pad take survey every stand and run anti- collision report prior to spud	None	San Jose Fn.	0						
		Nacimiento Fn. 9 5/8" Csg	surface 500						
Survey Every 60'-120', updating anticollision report after surveys. Stop operations and contact drilling engineer if separation factor approaches 1.5 Surveys every 30' through the curve	No OH logs	Ojo Alamo Ss.	839			12 1/4	9 5/8" 36ppf J55 LTC TOC Surface with 100% OH Excess: 228 sks Type III Cement + 1% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 0.2% bwoc FL-52A + 58.9% Fresh Water.	Fresh wtr 8.3-10	Vertical <1°
		Kirtland Shale	1,016						
		Fruitland Coal	1,325						
		Pictured Cliffs Ss.	1,605						
		Lewis Shale	1,699						
	Mud logger onsite	Cliffhouse Ss.	2,350			8 3/4	7" 26ppf J55 LTC TOC @ surface (100% OH excess - 70% Lead 30% Tail) Stage 1 Total: 961sks Stage 1 Lead: 547 sks Premium Lite FM + 3% CaCl2 + 0.25/sk Cello Flake + 5#/sk LCM-1 + 8% Bentonite + 0.4% FL-52A + 0.4% Sodium Metasilicate. Mixed at 12.1 ppg. Yield 2.13 cuft/sk. Stage 1 Tail: 413 sks Type III Cement + 1% CaCl2 + 0.25#/sk Cello Flake + 0.2% FL-52A. Mixed at 14.6 ppg. Yield 1.38 cuft/sk.	Fresh Wtr 8.3-10	Vertical <1°
		Menefee Fn.	3,103						
		Point Lookout Ss.	4,065						
		Mancos Shale	4,208						
		KOP	700	700					
	Surveys every 30' through the curve	Mancos Silt	4,780						
		Gallup Fn.	5,040						
		7" Csg	5,176	5,850'					
Surveys every stand to TD unless directed otherwise by Geologist MWD Gamma Directional	No OH Logs	Horizontal Target TD	5,314 5,194	12,079		6 1/8	100' overlap at liner top 6229' Drilled Lateral		Horz Inc/TVD 90.8deg/5314.2ft
		Base Gallup	5,364						TD = 12079.41 MD
							4 1/2" 11.6ppf SB80 LTC TOC @ hanger (50% OH excess) Stage 1 Total: 355sks Stage 1 Blend: 355 sks Premium Lite High Strength FM + 0.7% bwoc R-3 + 3% bwoc Potassium Chloride + 0.25lbs/sack Cello Flake + 0.5% bwoc CD-32 + 1.15% bwoc FL- 52A + 60 lbs/sack Calcium Carbonate + 124.4% Fresh Water. Yield 2.63 cuft/sk.	WBM 8.3-10	

NOTES:

- 1) Drill with 26" bit to 60', set 16" 42.09ppf conductor pipe
- 2) Drill surface to 500', R&C 9 5/8" casing
- 3) N/U BOP and surface equipment
- 4) Drill to KOP of 700', 8 3/4 inch holesize
- 5) Start curve at 10deg/100' build rate
- 6) Drill to csg point of 5850' MD
- 7) R&C 7" csg, circ cmt to surface
- 8) Land at ~55 deg, drill lateral to 12079' run 4 1/2 inch cemented liner

ENCANA OIL & GAS (USA) INC.
NAGEEZI UNIT #326H
LOCATED IN THE NW/4 NE/4 OF SECTION 33,
T24N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM THE INTERSECTION OF HWY 64 & HWY 550 IN BLOOMFIELD, GO SOUTH ON HWY 550, 32.0 MILES TO MP 119.6.
- 2) TURN RIGHT AND GO 2.8 MILES TO WHERE ACCESS IS STAKED ON RIGHT SIDE OF ROAD.

WELL FLAG LOCATED AT LAT. 36.277246° N, LONG. 107.793619° W (NAD 83).



JOB No.: NAGEEZI UNIT #326H_REV2
DATE: 05/05/16
DRAWN BY: GRR

CCI

CHENAULT CONSULTING INC.

4800 COLLEGE BLVD.
SUITE 201
FARMINGTON, NM 87402
(505) 325-7707

WELLHEAD BLOWOUT CONTROL SYSTEM

encana

Well Name and Number:
Nageezi Unit 326H

