Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
OCT 24 2014
Farmington Field Office
Bureau of Land Management

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

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.

SUBMIT IN TRIPLICATE *– Other instructions on page 2.*

1. Type of Well ☑ Oil Well ☐ Gas Well ☐ Other	5. Lease Serial No. NMNM 8005
	6. If Indian, Allottee or Tribe Name N/A
	7. If Unit of CA/Agreement, Name and/or No. NMNM 132981X
	8. Well Name and No. Nageezi Unit L10-2309 01H (FKA Good Times)
2. Name of Operator Encana Oil & Gas (USA) Inc.	9. API Well No. Pending 30-045-35546
3a. Address 370 17th Street, Suite 1700 Denver, CO 80202 3b. Phone No. *(include area code)* 720-876-3533	10. Field and Pool or Exploratory Area Nageezi Unit Horizontal Oil Pool
4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SHL: 1455' FSL and 288' FWL, Sec 10, T23N, R9W BHL: 1750' FSL and 330' FWL, Sec 9, T23N, R9W	11. Country 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			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other Well Name Change
	☑ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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 recompletion 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. recently finalized the formation of a 9,135.51 acre Federal exploratory unit named the Nageezi Unit. The Nageezi Unit hearing occured on May 29, 2014 at the New Mexico Oil Conservation Division in Santa Fe, in which, Encana requested an undivided unit be formed that would also encompass its own unique oil pool designation. Therefore, the Good Times L10-2309 01H well will now be a part of the Nageezi Unit. We are submitting this sundry and corresponding plat package to change the well name from the Good Times L10-2309 01H to the Nageezi Unit L10-2309 01H.

The BHL for the Nageezi Unit L10-2309 01H was also modified from 2210 FSL, 330 FWL (Section 9, T23N, R9W) to 1750 FSL, 330 FWL (Section 9, T23N, R8W). Attached is an updated Directional Plan, Drilling Plan and Wellbore Diagram, which have been updated to reflect this change in BHL. The plans were also updated to to include a cemented production liner, instead of running open hole swell packers, as previously planned. Finally, the 7" ICP was moved from approximately 72 degrees to 55 degrees.

OIL CONS. DIV DIST. 3
JUL 31 2015

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* Katie Wegner	Title Regulatory Analyst
Signature Katie Wegner	Date 10/23/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by D Mankiewicz	Title AEM	Date 7/29/15
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)

NMOCD

24

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
		NAGEEZI UNIT HORIZONTAL OIL POOL

[4] Property Code	[5] Property Name	[6] Well Number
	NAGEEZI UNIT L10-2309	01H

[7] OGRID No.	[8] Operator Name	[9] Elevation
282327	ENCANA OIL & GAS (USA) INC.	6754.0'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	10	23N	9W		1455'	SOUTH	288'	WEST	SAN JUAN

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	9	23N	9W		1750'	SOUTH	330'	WEST	SAN JUAN

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
9,135.51 ACRES SEC. 21-23 (S/2); 26-28, 33-35, 1-4, 9-10 (ALL); 5 (W/2); 11 (NW/4) - UNDIVIDED UNIT; PENETRATED SPACING UNIT: S2 SEC. 9 (320.00 ACRES)			R-13856 (9,135.51 ACRES)

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16

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

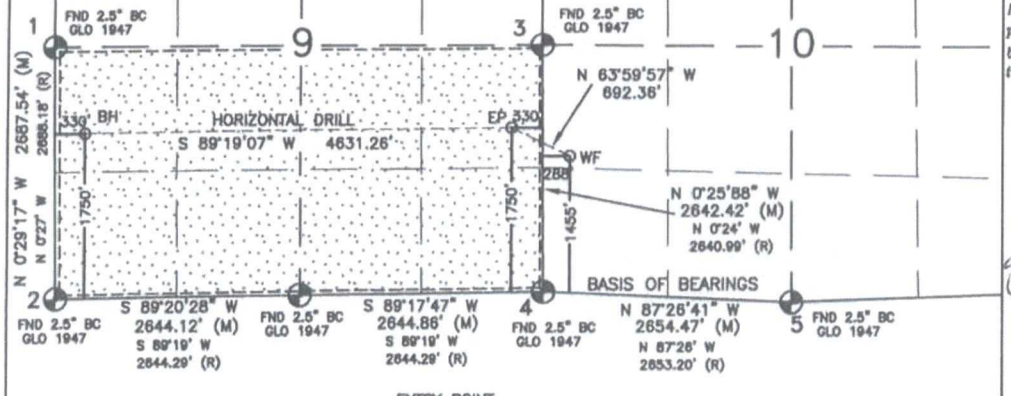
2 LAT. 36.23409° N (NAD83)
LONG. 107.80318° W (NAD83)
LAT. 36.23410° N (NAD27)
LONG. 107.80380° W (NAD27)

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

4 LAT. 36.23425° N (NAD83)
LONG. 107.78526° W (NAD83)
LAT. 36.23426° N (NAD27)
LONG. 107.78587° W (NAD27)

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

18



BOTTOM HOLE
LAT. 36.238903° N (NAD83)
LONG. 107.802121° W (NAD83)
LAT. 36.238891° N (NAD27)
LONG. 107.802506° W (NAD27)

ENTRY POINT
LAT. 36.239049° N (NAD83)
LONG. 107.786425° W (NAD83)
LAT. 36.239036° N (NAD27)
LONG. 107.785810° W (NAD27)

WELL FLAG
LAT. 36.238214° N (NAD83)
LONG. 107.784316° W (NAD83)
LAT. 36.238214° N (NAD27)
LONG. 107.783701° W (NAD27)

17 OPERATOR CERTIFICATION

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

Katie Wegner 10/23/14
Signature Date

Katie Wegner
Printed Name

Katie.Wegner@encana.com
E-mail Address

SURVEYOR CERTIFICATION

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

APRIL 10, 2013
Date of Survey

Signature and Seal of Professional Surveyor:

David Russell

DAVID R. RUSSELL
NEW MEXICO
10201
REGISTERED PROFESSIONAL LAND SURVEYOR

DAVID RUSSELL

Certificate Number 10201

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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Phone: (575) 748-1283 Fax: (575) 748-9720
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1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

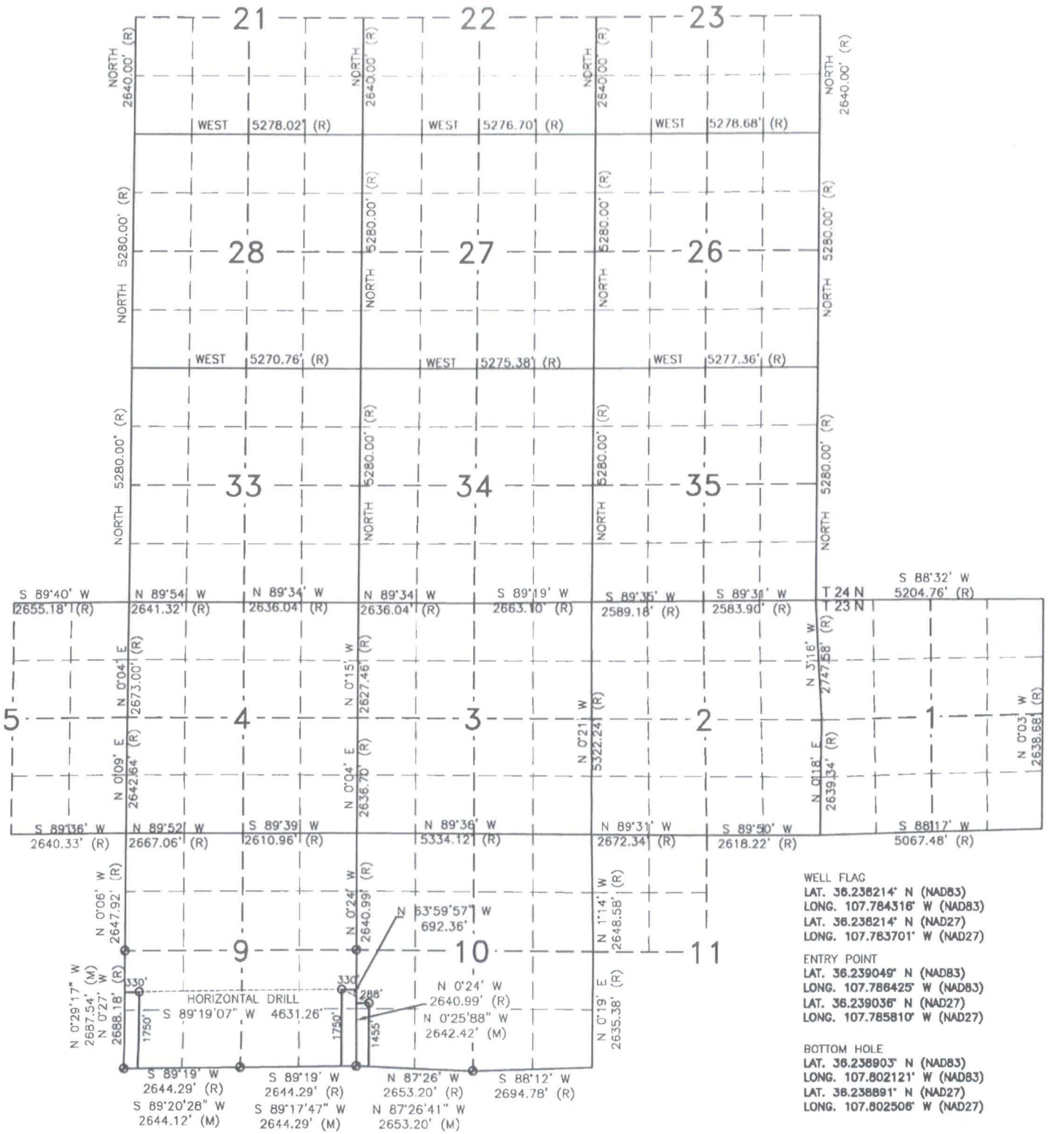
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

ENCANA OIL & GAS (USA) INC.
NAGEEZI UNIT L10-2309 #01H



WELL FLAG
LAT. 36.236214° N (NAD83)
LONG. 107.784316° W (NAD83)
LAT. 36.236214° N (NAD27)
LONG. 107.783701° W (NAD27)

ENTRY POINT
LAT. 36.239049° N (NAD83)
LONG. 107.786425° W (NAD83)
LAT. 36.239036° N (NAD27)
LONG. 107.785810° W (NAD27)

BOTTOM HOLE
LAT. 36.238903° N (NAD83)
LONG. 107.802121° W (NAD83)
LAT. 36.238891° N (NAD27)
LONG. 107.802506° W (NAD27)

WELL FLAG
LATITUDE: 36.238214° N
LONGITUDE: 107.784316° W
DATUM: NAD83

ENCANA OIL & GAS (USA) INC.

NAGEEZI UNIT L10-2309 #01H
1455' FSL & 288' FWL
LOCATED IN THE NW/4 SW/4 OF SECTION 10,
T23N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 6755', NAVD 88
FINISHED PAD ELEVATION: 6754.0', NAVD 88

TN MN
9° 41' E
50' 0 50' 100'
SCALE = 100'

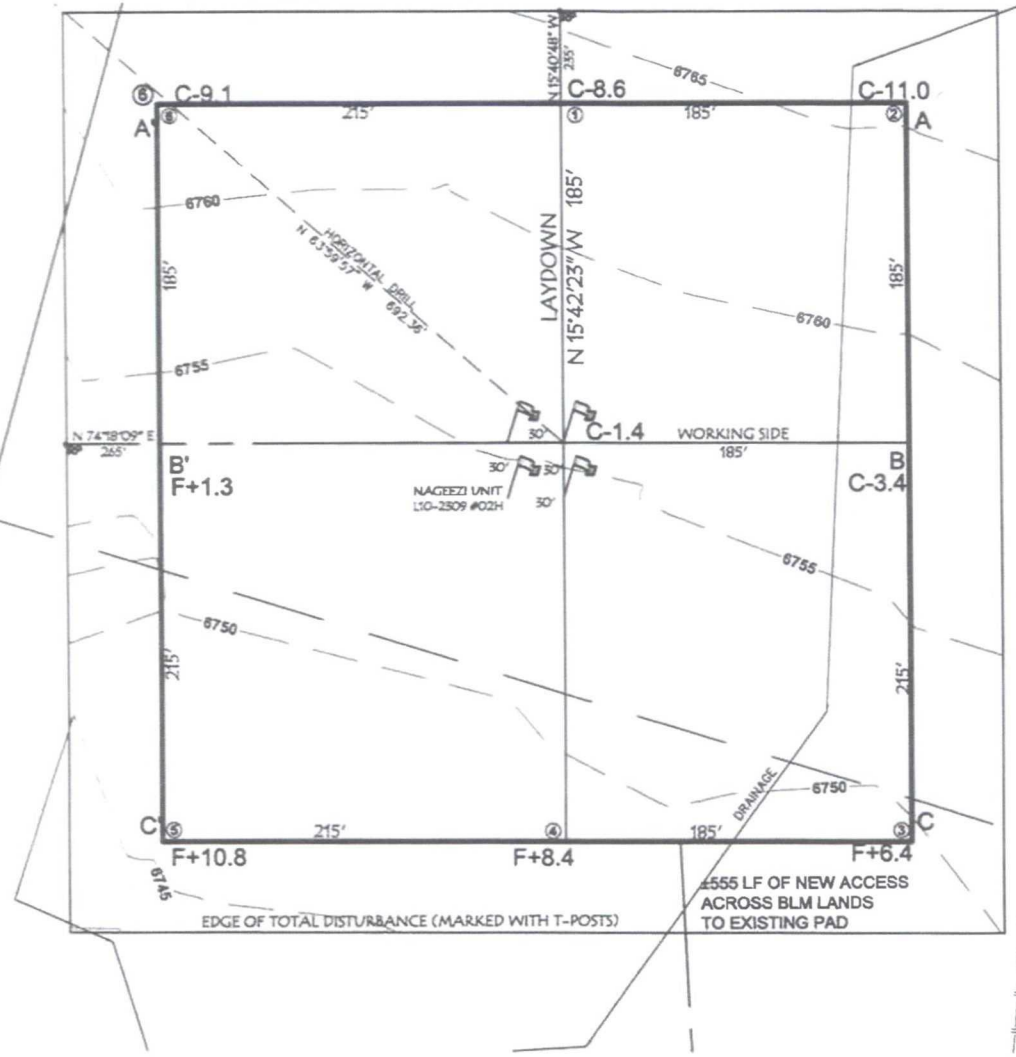
NOTES:

1.) BASIS OF BEARING: BETWEEN FOUND MONUMENTS AT THE SOUTHWEST CORNER AND THE SOUTH QUARTER CORNER OF SECTION 10, TOWNSHIP 23 NORTH, RANGE 9 WEST, N.M.P.M. SAN JUAN COUNTY, NEW MEXICO.
LINE BEARS: N 87°26'41" W A DISTANCE OF 2654.47 FEET AS MEASURED BY G.P.S.

2.) LATITUDE, LONGITUDE AND ELLIPSOIDAL HEIGHT BASED ON AZTEC CORS L1 PHASE CENTER.
DISTANCES SHOWN ARE GROUND DISTANCES USING A TRAVERSE MERCATOR PROJECTION FROM A WGS84 ELLIPSOID, CONVERTED TO NAD83.
NAVD88 ELEVATIONS AS PREDICTED BY GEOID03.

3.) LOCATION OF UNDERGROUND UTILITIES DEPICTED ARE APPROXIMATE. PRIOR TO EXCAVATION UNDERGROUND UTILITIES SHOULD BE FIELD VERIFIED. ALL CONSTRUCTION ACTIVITIES SHOULD BE FIELD VERIFIED WITH NEW MEXICO ONE-CALL AUTHORITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

4.) T-POSTS HAVE BEEN SET TO DEFINE THE EDGE OF DISTURBANCE LIMITS WHICH ARE 50' OFFSETS FROM THE EDGE OF THE STAKED WELL PAD.



~ SURFACE OWNERSHIP ~
BUREAU OF LAND MANAGEMENT

SLOPES TO BE CONSTRUCTED TO MATCH THE ORIGINAL CONTOURS AS CLOSE AS POSSIBLE.

TOTAL PERMITTED AREA
500' x 500' = 5.74 ACRES
SCALE: 1" = 100'
JOB No.: ENC012_REV4
DATE: 08/04/14
DRAWN BY: TWT

NOTE:
SCORPION SURVEY & CONSULTING, L.L.C. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED, BURIED PIPELINES OR CABLES ON WELL PAD, IN CONSTRUCTION ZONE AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

Scorpion Survey & Consulting, L.L.C.
#55 C.R 3312
Aztec, New Mexico 87410
(505) 333-2945

ENCANA OIL & GAS (USA) INC.

NAGEEZI UNIT L10-2309 #01H
1455' FSL & 288' FWL
LOCATED IN THE NW/4 SW/4 OF SECTION 10,
T23N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

1) FROM THE INTERSECTION OF HWY 64 & HWY 550 IN BLOOMFIELD, GO SOUTH ON HWY 550, 36.0 MILES TO NAGEEZE.
2) TURN RIGHT ON CR 7800 AND GO 0.4 MILES.
3) CR 7800 CURVES RIGHT, HEAD STRAIGHT ONTO CR 7820 AND GO 2.8 MILES TO THE ACCESS ROAD FOR THE FEDERAL D #6.
4) TURN RIGHT AND GO 0.1 MILES TO EXISTING LOCATION WHERE ACCESS IS FLAGGED ON NORTH SIDE OF PAD

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

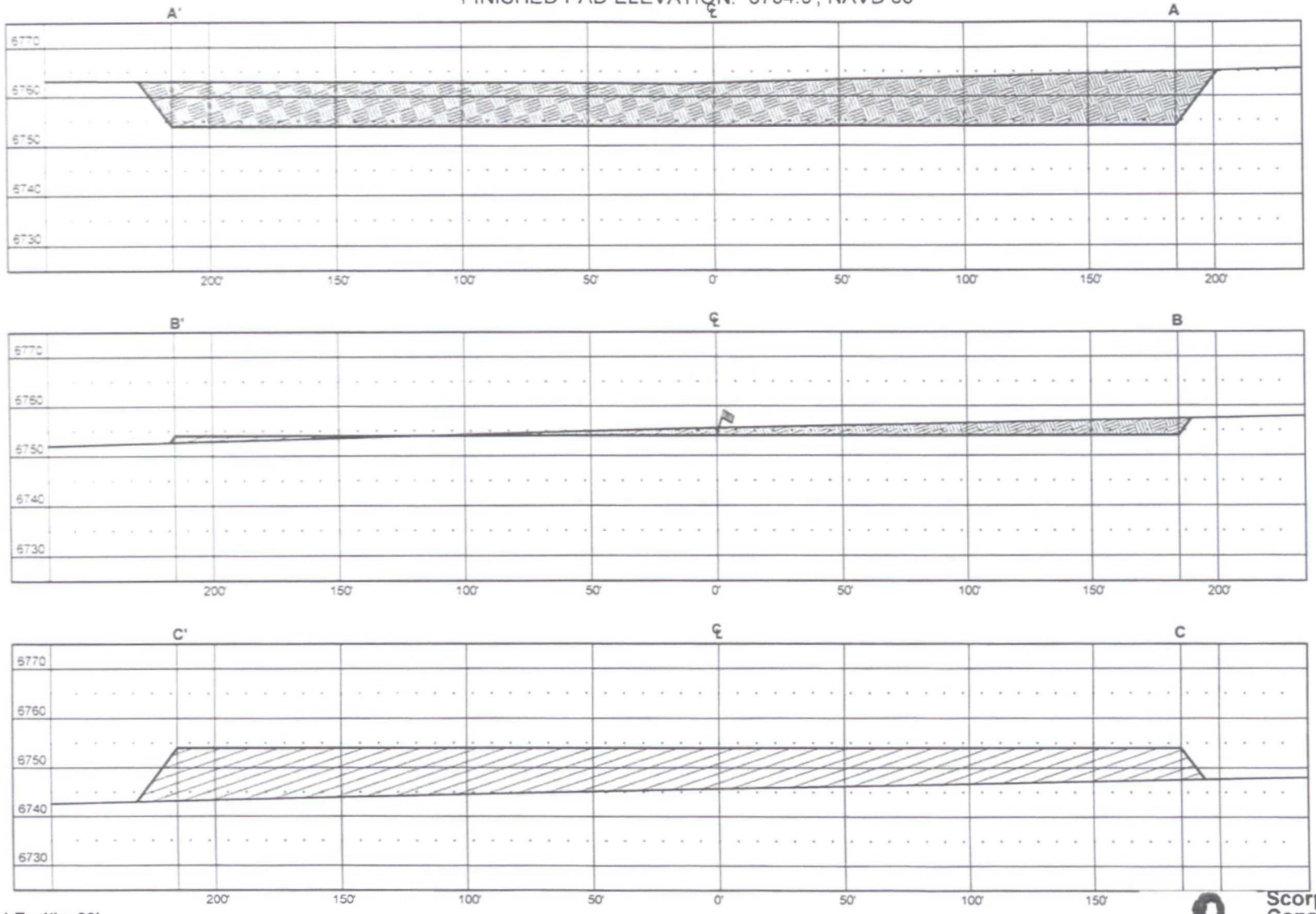
JOB No.: ENC012_REV4
DATE: 08/04/14

Scorpion Survey & Consulting, L.L.C.
#55 C.R. 3312
Aztec, New Mexico 87410
(505) 333-2945

LATITUDE: 36.238214° N
LONGITUDE: 107.784316° W
DATUM: NAD 83

ENCANA OIL & GAS (USA) INC.

NAGEEZI UNIT L10-2309 #01H
1455' FSL & 288' FWL
LOCATED IN THE NW/4 SW/4 OF SECTION 10, T23N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 6755', NAVD 88
FINISHED PAD ELEVATION: 6754.0', NAVD 88



VERT. SCALE: 1" = 30'
HORZ. SCALE: 1" = 60'
JOB No.: ENC012_REV4
DATE: 09/19/12

THIS DIAGRAM IS AN ESTIMATE OF DIRT BALANCE AND IS NOT INTENDED TO BE AN EXACT MEASURE OF VOLUME

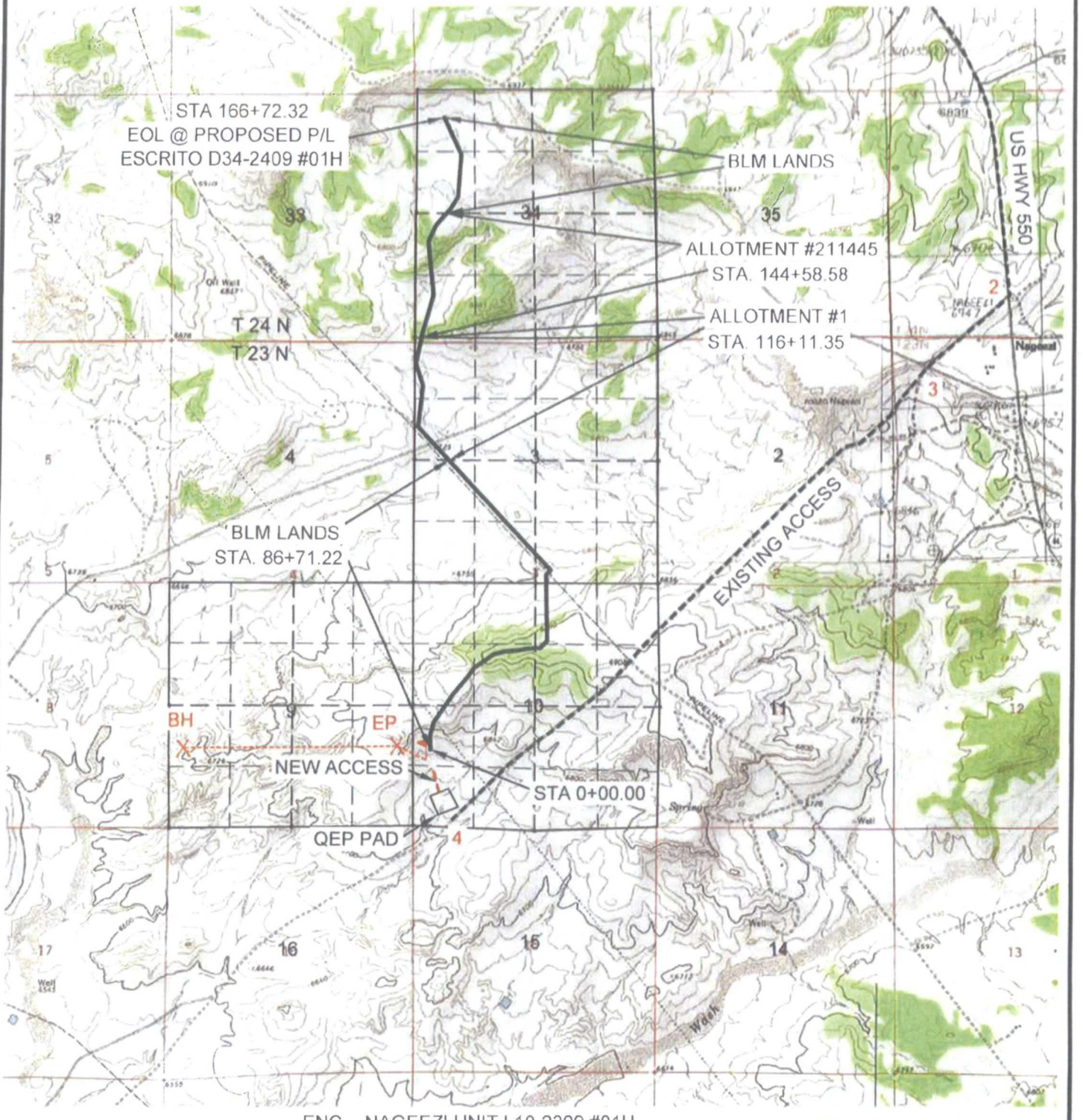
FILL CUT

Scorpion Survey & Consulting, L.L.C.
#55 C.R. 3312
Aztec, New Mexico 87410
(505) 333-2945

LATITUDE: 36.238214° N
LONGITUDE: 107.784316° W
DATUM: NAD 83

ENCANA OIL & GAS (USA) INC.

NAGEEZI UNIT L10-2309 #01H
1455' FSL & 288' FWL
LOCATED IN THE NW/4 SW/4 OF SECTION 10,
T23N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 6755', NAVD 88
±555' OF NEW ACCESS ACROSS BLM LANDS



ENC ~ NAGEEZI UNIT L10-2309 #01H
±555' OF NEW ACCESS

U.S.G.S. QUAD: KIMBETO
SCALE: 1" = 3000' (1:36,000)
JOB No.: ENC012_REV4
DATE: 08/04/14

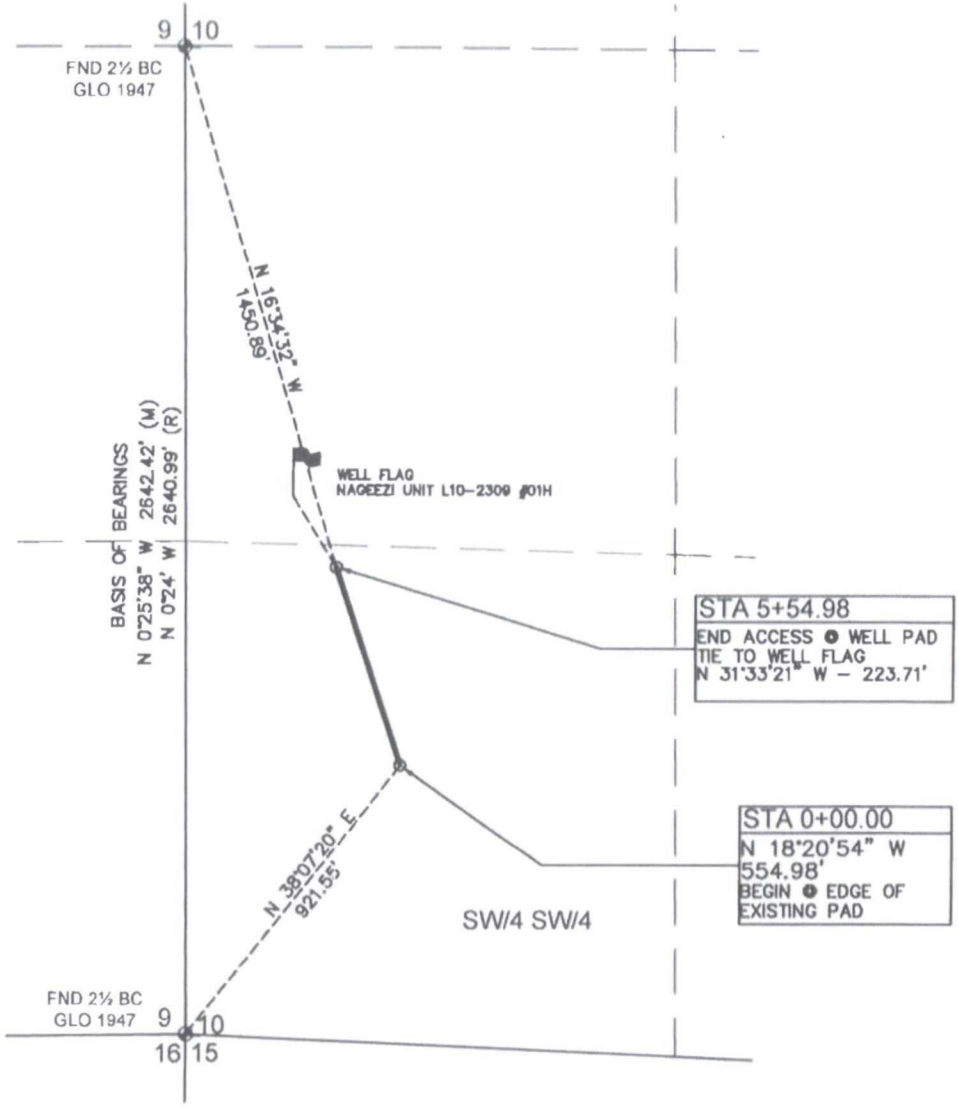
Scorpion Survey & Consulting, L.L.C.
#55 C.R. 3312
Aztec, New Mexico 87410
(505) 333-2945

PROPOSED ACCESS FOR

ENCANA OIL & GAS (USA) INC.

NAGEEZI UNIT L10-2309 #01H
LOCATED IN THE SW/4 SW/4
OF SECTION 10
T23N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

250' 0 250' 500'
SCALE = 500



NOTES:

1.) BASIS OF BEARING: BETWEEN FOUND MONUMENTS AT THE SOUTHWEST CORNER AND THE WEST QUARTER CORNER OF SECTION 10, TOWNSHIP 23 NORTH, RANGE 9 WEST, N.M.P.M. SAN JUAN COUNTY, NEW MEXICO. LINE BEARS: N 0°25'38" W A DISTANCE OF 2642.42' FEET AS MEASURED BY G.P.S.

2.) LOCATION OF UNDERGROUND UTILITIES DEPICTED ARE APPROXIMATE. PRIOR TO EXCAVATION UNDERGROUND UTILITIES SHOULD BE FIELD VERIFIED. ALL CONSTRUCTION ACTIVITIES SHOULD BE FIELD VERIFIED WITH NEW MEXICO ONE-CALL AUTHORITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

DAVID R. RUSSELL NEW MEXICO 10201 REGISTERED PROFESSIONAL LAND SURVEYOR

~ SURFACE OWNERSHIP ~ BUREAU OF LAND MANAGEMENT		
SECTION 10		
0+.00 TO 5+54.98		
554.98 FT/ 33.64 RODS		
DATE OF SURVEY	04/10/13	JC, WS

I, DAVID R. RUSSELL, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

David R. Russell

DATE: 6-23-13

DAVID R. RUSSELL, PLS
NEW MEXICO L.S. #10201

JOB No.: ENC012_REV4 DATE: 08/04/14

Scorpion Survey & Consulting, L.L.C.
#55 C.R. 3312
Aztec, New Mexico 87410
(505) 333-2945

PROPOSED PIPELINE FOR

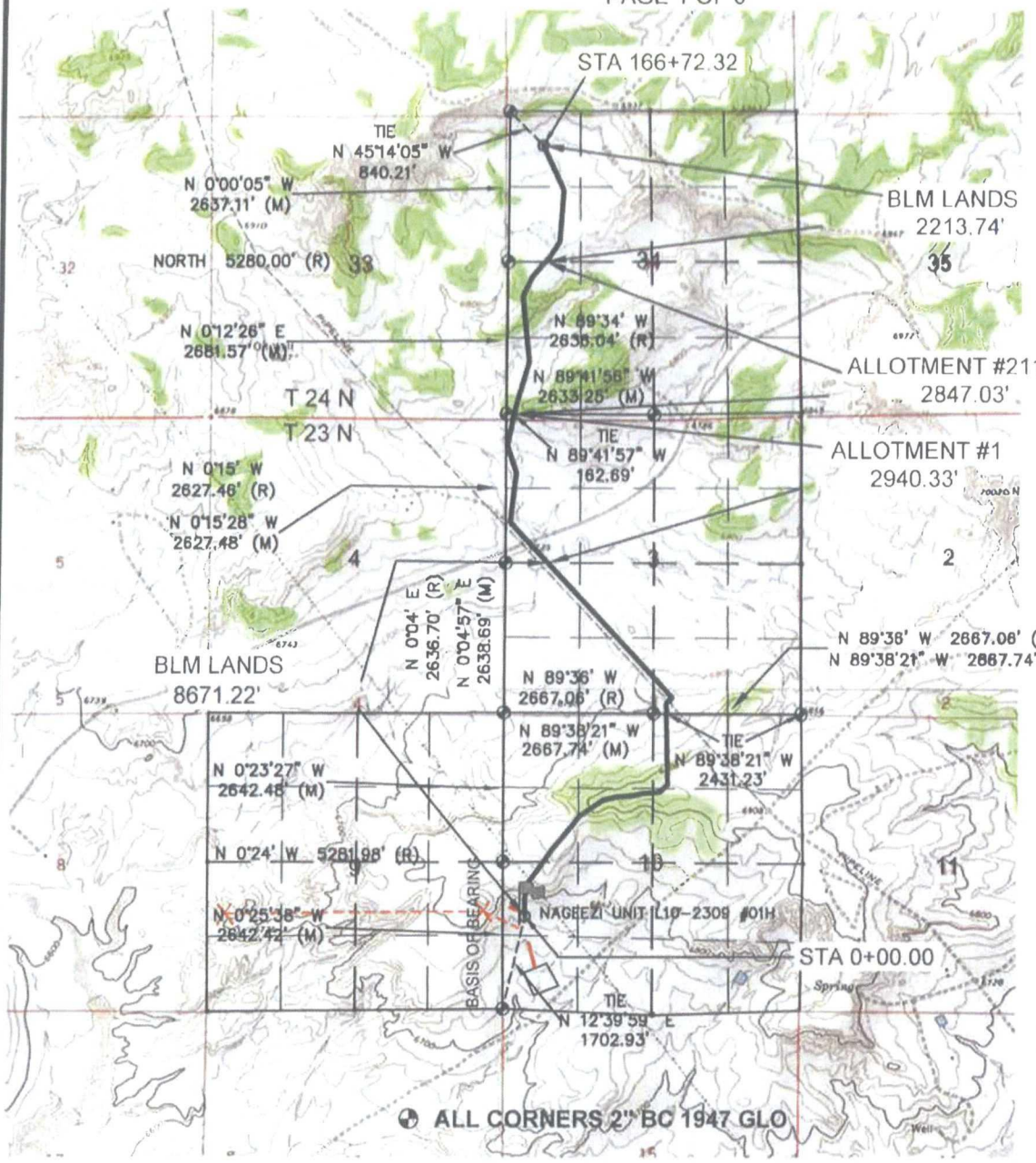
ENCANA OIL & GAS (USA) INC.

NAGEEZI UNIT L10-2309 #01H

LOCATED IN THE NW/4 SW/4, S/2 NW/4, W/2 NE/4 OF SECTION 10,
SW/4 SE/4, E/2 SW/4, NW/4 SW/4, W/2 NW/4 OF SECTION 3,
T23N, R9W, N.M.P.M.,
W/2 W/2 OF SECTION 34
T24N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

1500' 0' 1500' 3000'

SCALE = 3000'



~ SURFACE OWNERSHIP ~ BUREAU OF LAND MANAGEMENT
SECTION 10
0+00 TO 50+79.88
5079.88 FT/ 307.87 RODS
~ SURFACE OWNERSHIP ~ BUREAU OF LAND MANAGEMENT
SECTION 3
50+79.88 TO 86+71.22
3591.34 FT/ 217.66 RODS
~ SURFACE OWNERSHIP ~ ALLOTMENT #1
SECTION 3
86+71.22 TO 116+11.55
2940.33 FT/ 178.20 RODS
~ SURFACE OWNERSHIP ~ ALLOTMENT #211445
SECTION 34
116+11.55 TO 144+58.58
2847.03 FT/ 172.55 RODS
~ SURFACE OWNERSHIP ~ BUREAU OF LAND MANAGEMENT
SECTION 34
144+58.58 TO 166+72.32
2213.74 FT/ 134.17 RODS
TOTAL
0+00 TO 166+72.32
16672.32 FT/ 1010.44 RODS

DATE OF SURVEY	09/12/12	JC,GR
LINE CHANGE	07/11/13	JC,MR

NOTES:

1.) BASIS OF BEARING: BETWEEN FOUND MONUMENTS AT THE SOUTHWEST CORNER AND THE WEST QUARTER CORNER OF SECTION 10, TOWNSHIP 23 NORTH, RANGE 9 WEST, N.M.P.M. SAN JUAN COUNTY, NEW MEXICO. LINE BEARS: N 0°25'38" E A DISTANCE OF 2642.42' FEET AS MEASURED BY G.P.S.

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I, DAVID R. RUSSELL, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

DAVID R. RUSSELL, PLS
NEW MEXICO L.S. #10201

DATE: 7-23-13

JOB No.: ENC012_REV4 DATE: 08/04/14

DAVID R. RUSSELL NEW MEXICO 10201 REGISTERED PROFESSIONAL LAND SURVEYOR

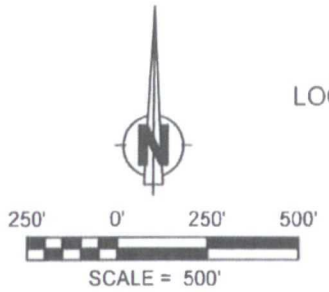
Scorpion Survey & Consulting, L.L.C.
55 County Road 3312
Aztec, New Mexico 87410
(505) 333-2945

PROPOSED PIPELINE FOR

ENCANA OIL & GAS (USA) INC.

NAGEEZI UNIT L10-2309 #01H

LOCATED IN THE NW/4 SW/4, S/2 NW/4, W/2 NE/4 OF SECTION 10,
SW/4 SE/4, E/2 SW/4, NW/4 SW/4, W/2 NW/4 OF SECTION 3,
T23N, R9W, N.M.P.M.,
W/2 W/2 OF SECTION 34
T24N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
PAGE 2 OF 5



SECTION 3

SECTION 10

P.I. STA 52+50.98
Δ 45°34'24" RT
N 44°05'39" E
146.37'

STA 36+38.31
C/L ROAD X-ING

P.I. STA 36+25.54
Δ 42°54'52" LT
N 43°22'01" E 205.90'
O/S ROAD 8' LT
END PARALLEL ROAD

W/2 NE/4

STA 33+65.19
C/L ROAD X-ING

P.I. STA 33+23.69
Δ 10°41'40" RT
N 86°16'53" E 301.85'
O/S ROAD 1' RT

STA 50+79.88
SECTION X-ING

P.I. STA 38+31.44
Δ 44°50'46" LT
N 1°28'45" W
1419.54'

P.I. STA 32+07.94
Δ 8°52'47" LT
N 75°35'13" E 115.75'
O/S ROAD 17' LT

STA 33+15.02
C/L ROAD X-ING

P.I. STA 28+43.50
Δ 7°18'36" RT
N 84°28'00" E 364.44'
O/S ROAD 16' LT

STA 25+96.61
C/L ROAD X-ING

P.I. STA 25+96.53
Δ 21°37'27" RT
N 77°09'24" E 246.97'
O/S ROAD 3' RT

S/2 NW/4

BLM LANDS

P.I. STA 20+91.35
Δ 17°31'46" RT
N 55°29'57" E 505.18'
O/S ROAD 1' RT

STA 20+83.75
C/L ROAD X-ING

P.I. STA 18+00.18
Δ 2°24'53" LT
N 37°58'11" E 291.17'
O/S ROAD 17' LT

P.I. STA 13+58.51
Δ 5°22'16" RT
N 40°23'04" E 441.67'
BEGIN PARALLEL ROAD
O/S ROAD 27' LT

STA 7+40.48
END O/H POWER X-ING

STA 6+84.95
BEGIN O/H POWER X-ING

STA 6+54.90
QEP P/L X-ING

P.I. STA 6+21.17
Δ 21°55'20" RT
N 35°00'48" E 737.34'
O/S P/L 21' RT
END PARALLEL P/L

NW/4 SW/4

P.I. STA 3+06.98
Δ 14°58'54" RT
N 13°05'28" E 314.19'
BEGIN PARALLEL P/L
O/S P/L 17' RT

STA 0+20.09
C/L DRAINAGE X-ING

STA 0+00.00
N 1°53'26" W
306.98'
TAKEOFF @ WELL PAD
TIE TO WELL FLAG
NAGEEZI UNIT L10-2309 #01H
S 23°43'13" W – 239.33'

NAGEEZI UNIT L10-2309 #01H

Scorpion Survey & Consulting, L.L.C.
55 County Road 3312
Aztec, New Mexico 87410
(505) 333-2945

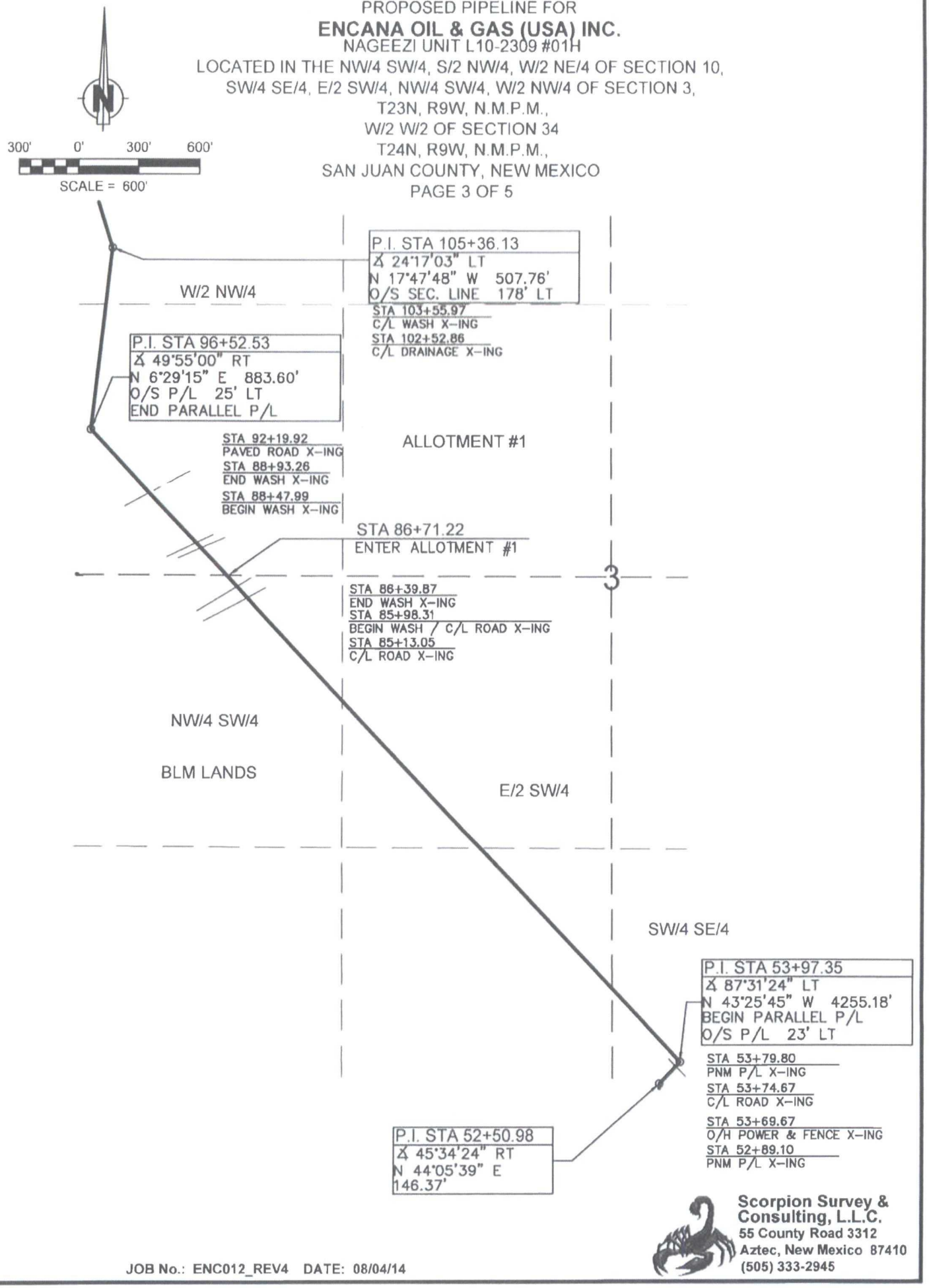
JOB No.: ENC012_REV4 DATE: 08/04/14

PROPOSED PIPELINE FOR

ENCANA OIL & GAS (USA) INC.

NAGEEZI UNIT L10-2309 #01H

LOCATED IN THE NW/4 SW/4, S/2 NW/4, W/2 NE/4 OF SECTION 10,
SW/4 SE/4, E/2 SW/4, NW/4 SW/4, W/2 NW/4 OF SECTION 3,
T23N, R9W, N.M.P.M.,
W/2 W/2 OF SECTION 34
T24N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
PAGE 3 OF 5



Scorpion Survey & Consulting, L.L.C.
55 County Road 3312
Aztec, New Mexico 87410
(505) 333-2945

JOB No.: ENC012_REV4 DATE: 08/04/14

PROPOSED PIPELINE FOR

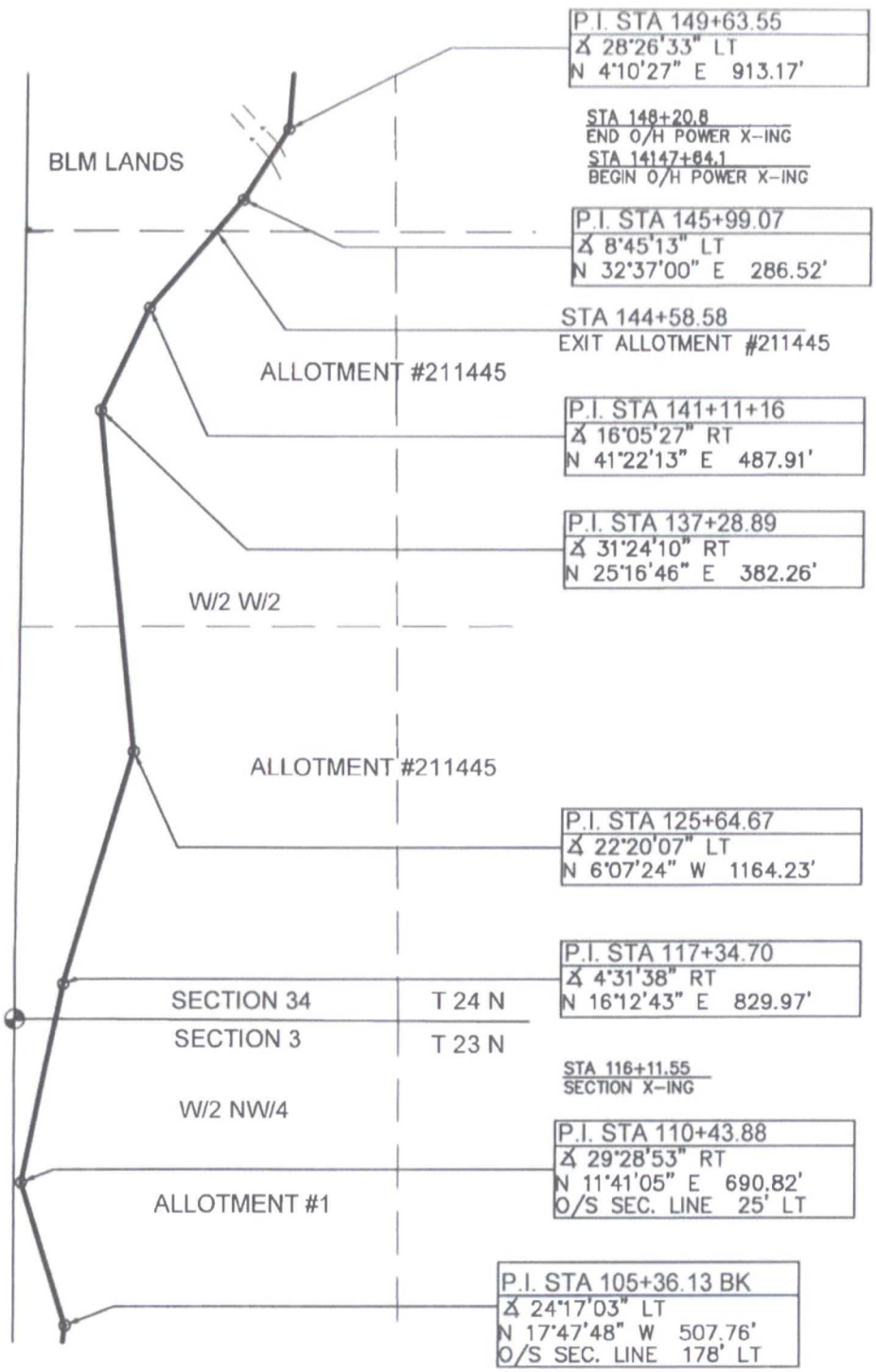
ENCANA OIL & GAS (USA) INC.

NAGEEZI UNIT L10-2309 #01H

LOCATED IN THE NW/4 SW/4, S/2 NW/4, W/2 NE/4 OF SECTION 10,
SW/4 SE/4, E/2 SW/4, NW/4 SW/4, W/2 NW/4 OF SECTION 3,
T23N, R9W, N.M.P.M.,
W/2 W/2 OF SECTION 34
T24N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
PAGE 4 OF 5

300' 0' 300' 600'

SCALE = 600'



Scorpion Survey & Consulting, L.L.C.
55 County Road 3312
Aztec, New Mexico 87410
(505) 333-2945

JOB No.: ENC012_REV4 DATE: 08/04/14

PROPOSED PIPELINE FOR

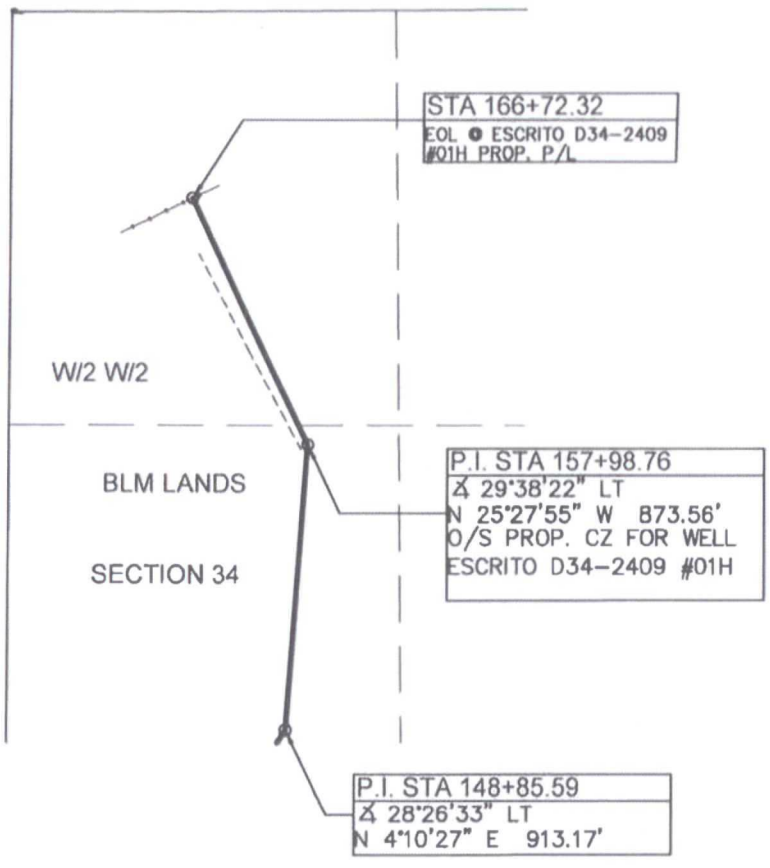
ENCANA OIL & GAS (USA) INC.

NAGEEZI UNIT L10-2309 #01H

LOCATED IN THE NW/4 SW/4, S/2 NW/4, W/2 NE/4 OF SECTION 10,
SW/4 SE/4, E/2 SW/4, NW/4 SW/4, W/2 NW/4 OF SECTION 3,
T23N, R9W, N.M.P.M.,
W/2 W/2 OF SECTION 34
T24N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

300' 0' 300' 600'

SCALE = 600'



Scorpion Survey & Consulting, L.L.C.
55 County Road 3312
Aztec, New Mexico 87410
(505) 333-2945

JOB No.: ENC012_REV4 DATE: 08/04/14

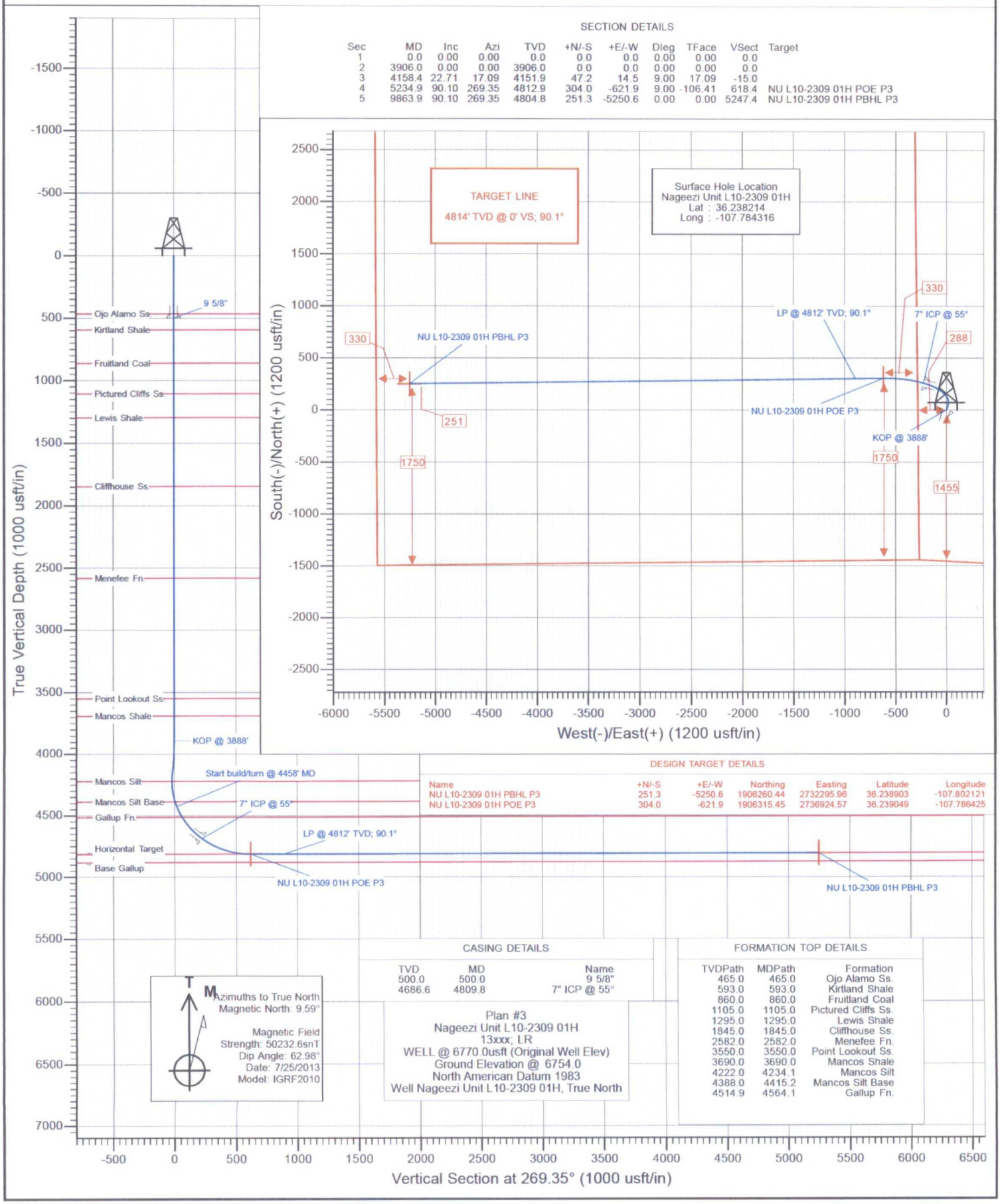
encana natural gas

Project: San Juan County, NM
Site: S10-T23N-R9W (Good Times)
Well: Nageezi Unit L10-2309 01H
Wellbore: Hz
Design: Plan #3

CATHEDRAL

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3906.0	0.00	0.00	3906.0	0.0	0.0	0.00	0.00	0.0	
3	4158.4	22.71	17.09	4151.9	47.2	14.5	9.00	17.09	-15.0	
4	5234.9	90.10	269.35	4812.9	304.0	-621.9	9.00	-106.41	618.4	NU L10-2309 01H POE P3
5	9863.9	90.10	269.35	4804.8	251.3	-5250.6	0.00	0.00	5247.4	NU L10-2309 01H PBHL P3



DESIGN TARGET DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
NU L10-2309 01H PBHL P3	251.3	-5250.6	1906260.44	2732295.96	36.238903	-107.802121
NU L10-2309 01H POE P3	304.0	-621.9	1906315.45	2736924.57	36.239049	-107.786425

CASING DETAILS

TVD	MD	Name
500.0	500.0	9 5/8"
4686.6	4809.8	7" ICP @ 55°

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
465.0	465.0	Ojo Alamo Ss.
593.0	593.0	Kirtland Shale
860.0	860.0	Fruitland Coal
1105.0	1105.0	Pictured Cliffs Ss.
1295.0	1295.0	Lewis Shale
1845.0	1845.0	Cliffhouse Ss.
2582.0	2582.0	Menefee Fn.
3550.0	3550.0	Point Lookout Ss.
3690.0	3690.0	Mancos Shale
4222.0	4234.1	Mancos Silt
4388.0	4415.2	Mancos Silt Base
4514.9	4564.1	Gallup Fn.

Azimuths to True North
Magnetic North: 9.59°

Magnetic Field
Strength: 50232.6snT
Dip Angle: 62.98°
Date: 7/25/2013
Model: IGRF2010

Plan #3
Nageezi Unit L10-2309 01H
13xxx; LR
WELL @ 6770.0usft (Original Well Elev)
Ground Elevation @ 6754.0
North American Datum 1983
Well Nageezi Unit L10-2309 01H, True North

Planning Report

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well Nageezi Unit L10-2309 01H
Company:	EnCana Oil & Gas (USA) Inc	**TVD Reference:**	WELL @ 6770.0usft (Original Well Elev)
Project:	San Juan County, NM	**MD Reference:**	WELL @ 6770.0usft (Original Well Elev)
Site:	S10-T23N-R9W (Good Times)	**North Reference:**	True
Well:	Nageezi Unit L10-2309 01H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #3		

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

Site	S10-T23N-R9W (Good Times)				
Site Position:		**Northing:**	1,906,011.80 usft	**Latitude:**	36.238214
From:	Lat/Long	**Easting:**	2,737,546.65 usft	**Longitude:**	-107.784316
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16"	**Grid Convergence:**	0.03 °

Well	Nageezi Unit L10-2309 01H					
Well Position	**+N/-S**	0.0 usft	**Northing:**	1,906,011.80 usft	**Latitude:**	36.238214
	+E/-W	0.0 usft	**Easting:**	2,737,546.65 usft	**Longitude:**	-107.784316
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	6,754.0 usft

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

Design	Plan #3			
Audit Notes:				
Version:	**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**
	0.0	0.0	0.0	269.35

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,906.0	0.00	0.00	3,906.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,158.4	22.71	17.09	4,151.9	47.2	14.5	9.00	9.00	0.00	17.09	
5,234.9	90.10	269.35	4,812.9	304.0	-621.9	9.00	6.26	-10.01	-106.41	NU L10-2309 01H PC
9,863.9	90.10	269.35	4,804.8	251.3	-5,250.6	0.00	0.00	0.00	0.00	NU L10-2309 01H PB

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well Nageezi Unit L10-2309 01H
Company:	EnCana Oil & Gas (USA) Inc	**TVD Reference:**	WELL @ 6770.0usft (Original Well Elev)
Project:	San Juan County, NM	**MD Reference:**	WELL @ 6770.0usft (Original Well Elev)
Site:	S10-T23N-R9W (Good Times)	**North Reference:**	True
Well:	Nageezi Unit L10-2309 01H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #3		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft	Build Rate (°/100u	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
465.0	0.00	0.00	465.0	0.0	0.0	0.0	0.00	0.00	Ojo Alamo Ss.
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	9 5/8"
593.0	0.00	0.00	593.0	0.0	0.0	0.0	0.00	0.00	Kirtland Shale
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	
860.0	0.00	0.00	860.0	0.0	0.0	0.0	0.00	0.00	Fruitland Coal
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	
1,105.0	0.00	0.00	1,105.0	0.0	0.0	0.0	0.00	0.00	Pictured Cliffs Ss.
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	
1,295.0	0.00	0.00	1,295.0	0.0	0.0	0.0	0.00	0.00	Lewis Shale
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	
1,845.0	0.00	0.00	1,845.0	0.0	0.0	0.0	0.00	0.00	Cliffhouse Ss.
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	
2,582.0	0.00	0.00	2,582.0	0.0	0.0	0.0	0.00	0.00	Menefee Fn.
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	
3,550.0	0.00	0.00	3,550.0	0.0	0.0	0.0	0.00	0.00	Point Lookout Ss.
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	
3,690.0	0.00	0.00	3,690.0	0.0	0.0	0.0	0.00	0.00	Mancos Shale
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	
3,888.0	0.00	0.00	3,888.0	0.0	0.0	0.0	0.00	0.00	KOP @ 3888'
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	
3,906.0	0.00	0.00	3,906.0	0.0	0.0	0.0	0.00	0.00	
4,000.0	8.46	17.09	3,999.7	6.6	2.0	-2.1	9.00	9.00	

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well Nageezi Unit L10-2309 01H
Company:	EnCana Oil & Gas (USA) Inc	**TVD Reference:**	WELL @ 6770.0usft (Original Well Elev)
Project:	San Juan County, NM	**MD Reference:**	WELL @ 6770.0usft (Original Well Elev)
Site:	S10-T23N-R9W (Good Times)	**North Reference:**	True
Well:	Nageezi Unit L10-2309 01H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #3		

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
4,100.0	17.45	17.09	4,097.0	28.0	8.6	-8.9	9.00	9.00	
4,158.4	22.71	17.09	4,151.9	47.2	14.5	-15.0	9.00	9.00	
4,200.0	21.93	7.45	4,190.3	62.6	17.9	-18.6	9.00	-1.87	
4,234.1	21.74	359.20	4,222.0	75.2	18.6	-19.5	9.00	-0.58	Mancos Silt
4,300.0	22.51	343.56	4,283.1	99.5	14.9	-16.0	9.00	1.17	
4,400.0	26.20	323.52	4,374.3	135.7	-3.7	2.2	9.00	3.69	
4,415.2	26.97	320.98	4,388.0	141.1	-7.9	6.3	9.00	5.05	Mancos Silt Base
4,458.2	29.35	314.53	4,425.9	156.1	-21.5	19.8	9.00	5.56	Start build/turn @ 4458' MD
4,500.0	31.93	309.16	4,461.8	170.2	-37.4	35.5	9.00	6.17	
4,564.1	36.25	302.33	4,514.9	191.1	-66.6	64.4	9.00	6.74	Gallup Fn.
4,600.0	38.81	299.10	4,543.4	202.2	-85.4	83.1	9.00	7.14	
4,700.0	46.33	291.76	4,617.0	230.9	-146.5	143.9	9.00	7.51	
4,800.0	54.21	286.10	4,680.9	255.6	-219.2	216.3	9.00	7.88	
4,809.8	54.99	285.60	4,686.6	257.8	-226.9	224.0	9.00	8.01	7" ICP @ 55°
4,900.0	62.30	281.47	4,733.5	275.7	-301.7	298.6	9.00	8.10	
5,000.0	70.53	277.49	4,773.5	290.7	-392.0	388.7	9.00	8.23	
5,100.0	78.83	273.90	4,799.9	300.2	-487.9	484.5	9.00	8.31	
5,200.0	87.18	270.51	4,812.1	304.0	-587.0	583.5	9.00	8.35	
5,234.9	90.10	269.35	4,812.9	304.0	-621.9	618.4	9.00	8.36	
5,300.0	90.10	269.35	4,812.8	303.2	-687.0	683.5	0.00	0.00	
5,400.0	90.10	269.35	4,812.6	302.1	-787.0	783.5	0.00	0.00	
5,500.0	90.10	269.35	4,812.4	300.9	-887.0	883.5	0.00	0.00	
5,505.9	90.10	269.35	4,812.4	300.9	-892.9	889.4	0.00	0.00	LP @ 4812' TVD; 90.1°
5,600.0	90.10	269.35	4,812.3	299.8	-986.9	983.5	0.00	0.00	
5,700.0	90.10	269.35	4,812.1	298.7	-1,086.9	1,083.5	0.00	0.00	
5,800.0	90.10	269.35	4,811.9	297.5	-1,186.9	1,183.5	0.00	0.00	
5,900.0	90.10	269.35	4,811.7	296.4	-1,286.9	1,283.5	0.00	0.00	
6,000.0	90.10	269.35	4,811.6	295.3	-1,386.9	1,383.5	0.00	0.00	
6,100.0	90.10	269.35	4,811.4	294.1	-1,486.9	1,483.5	0.00	0.00	
6,200.0	90.10	269.35	4,811.2	293.0	-1,586.9	1,583.5	0.00	0.00	
6,300.0	90.10	269.35	4,811.0	291.8	-1,686.9	1,683.5	0.00	0.00	
6,400.0	90.10	269.35	4,810.9	290.7	-1,786.9	1,783.5	0.00	0.00	
6,500.0	90.10	269.35	4,810.7	289.6	-1,886.9	1,883.5	0.00	0.00	
6,600.0	90.10	269.35	4,810.5	288.4	-1,986.9	1,983.5	0.00	0.00	
6,700.0	90.10	269.35	4,810.3	287.3	-2,086.9	2,083.5	0.00	0.00	
6,800.0	90.10	269.35	4,810.2	286.2	-2,186.9	2,183.5	0.00	0.00	
6,900.0	90.10	269.35	4,810.0	285.0	-2,286.9	2,283.5	0.00	0.00	
7,000.0	90.10	269.35	4,809.8	283.9	-2,386.9	2,383.5	0.00	0.00	
7,100.0	90.10	269.35	4,809.6	282.7	-2,486.8	2,483.5	0.00	0.00	
7,200.0	90.10	269.35	4,809.5	281.6	-2,586.8	2,583.5	0.00	0.00	
7,300.0	90.10	269.35	4,809.3	280.5	-2,686.8	2,683.5	0.00	0.00	
7,400.0	90.10	269.35	4,809.1	279.3	-2,786.8	2,783.5	0.00	0.00	
7,500.0	90.10	269.35	4,808.9	278.2	-2,886.8	2,883.5	0.00	0.00	
7,600.0	90.10	269.35	4,808.8	277.1	-2,986.8	2,983.5	0.00	0.00	
7,700.0	90.10	269.35	4,808.6	275.9	-3,086.8	3,083.5	0.00	0.00	
7,800.0	90.10	269.35	4,808.4	274.8	-3,186.8	3,183.5	0.00	0.00	
7,900.0	90.10	269.35	4,808.2	273.6	-3,286.8	3,283.5	0.00	0.00	
8,000.0	90.10	269.35	4,808.1	272.5	-3,386.8	3,383.5	0.00	0.00	
8,100.0	90.10	269.35	4,807.9	271.4	-3,486.8	3,483.5	0.00	0.00	
8,200.0	90.10	269.35	4,807.7	270.2	-3,586.8	3,583.5	0.00	0.00	
8,300.0	90.10	269.35	4,807.5	269.1	-3,686.8	3,683.5	0.00	0.00	
8,400.0	90.10	269.35	4,807.4	268.0	-3,786.8	3,783.5	0.00	0.00	

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well Nageezi Unit L10-2309 01H
Company:	EnCana Oil & Gas (USA) Inc	**TVD Reference:**	WELL @ 6770.0usft (Original Well Elev)
Project:	San Juan County, NM	**MD Reference:**	WELL @ 6770.0usft (Original Well Elev)
Site:	S10-T23N-R9W (Good Times)	**North Reference:**	True
Well:	Nageezi Unit L10-2309 01H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #3		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft	Build Rate (°/100u	Comments / Formations
8,500.0	90.10	269.35	4,807.2	266.8	-3,886.8	3,883.5	0.00	0.00	
8,600.0	90.10	269.35	4,807.0	265.7	-3,986.7	3,983.5	0.00	0.00	
8,700.0	90.10	269.35	4,806.8	264.5	-4,086.7	4,083.5	0.00	0.00	
8,800.0	90.10	269.35	4,806.7	263.4	-4,186.7	4,183.5	0.00	0.00	
8,900.0	90.10	269.35	4,806.5	262.3	-4,286.7	4,283.5	0.00	0.00	
9,000.0	90.10	269.35	4,806.3	261.1	-4,386.7	4,383.5	0.00	0.00	
9,100.0	90.10	269.35	4,806.1	260.0	-4,486.7	4,483.5	0.00	0.00	
9,200.0	90.10	269.35	4,806.0	258.8	-4,586.7	4,583.5	0.00	0.00	
9,300.0	90.10	269.35	4,805.8	257.7	-4,686.7	4,683.5	0.00	0.00	
9,400.0	90.10	269.35	4,805.6	256.6	-4,786.7	4,783.5	0.00	0.00	
9,500.0	90.10	269.35	4,805.4	255.4	-4,886.7	4,883.5	0.00	0.00	
9,600.0	90.10	269.35	4,805.3	254.3	-4,986.7	4,983.5	0.00	0.00	
9,700.0	90.10	269.35	4,805.1	253.2	-5,086.7	5,083.5	0.00	0.00	
9,800.0	90.10	269.35	4,804.9	252.0	-5,186.7	5,183.5	0.00	0.00	
9,863.9	90.10	269.35	4,804.8	251.3	-5,250.6	5,247.4	0.00	0.00	

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
GT L10-2309 01H POE - plan misses target center by 459.8usft at 5234.1usft MD (4812.9 TVD, 304.0 N, -621.1 E) - Point	0.00	0.00	4,812.9	763.7	-621.6	1,906,775.21	2,736,924.64	36.240312	-107.786424
GT L10-2309 01H PBHL - plan misses target center by 459.7usft at 9859.2usft MD (4804.8 TVD, 251.3 N, -5245.8 E) - Point	0.00	0.00	4,804.8	711.1	-5,251.1	1,906,720.20	2,732,295.22	36.240166	-107.802123
GT L10-2309 01H PBHL - plan misses target center by 459.9usft at 9859.2usft MD (4804.8 TVD, 251.3 N, -5245.9 E) - Point	0.00	0.00	4,793.8	711.1	-5,251.1	1,906,720.20	2,732,295.22	36.240166	-107.802123
NU L10-2309 01H POE - plan hits target center - Point	0.00	0.00	4,812.9	304.0	-621.9	1,906,315.45	2,736,924.57	36.239049	-107.786425
NU L10-2309 01H PBHL - plan hits target center - Point	0.00	0.00	4,804.8	251.3	-5,250.6	1,906,260.44	2,732,295.96	36.238903	-107.802121
GT L10-2309 01H POE - plan misses target center by 459.9usft at 5233.8usft MD (4812.9 TVD, 304.0 N, -620.8 E) - Point	0.00	0.00	4,801.9	763.7	-621.6	1,906,775.21	2,736,924.64	36.240312	-107.786424

500.0	500.0	9 5/8"		0	0
4,809.8	4,686.6	7" ICP @ 55°		0	0

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well Nageezi Unit L10-2309 01H
Company:	EnCana Oil & Gas (USA) Inc	**TVD Reference:**	WELL @ 6770.0usft (Original Well Elev)
Project:	San Juan County, NM	**MD Reference:**	WELL @ 6770.0usft (Original Well Elev)
Site:	S10-T23N-R9W (Good Times)	**North Reference:**	True
Well:	Nageezi Unit L10-2309 01H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #3		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
465.0	465.0	Ojo Alamo Ss.		-0.10	269.35
593.0	593.0	Kirtland Shale		-0.10	269.35
860.0	860.0	Fruitland Coal		-0.10	269.35
1,105.0	1,105.0	Pictured Cliffs Ss.		-0.10	269.35
1,295.0	1,295.0	Lewis Shale		-0.10	269.35
1,845.0	1,845.0	Cliffhouse Ss.		-0.10	269.35
2,582.0	2,582.0	Menefee Fn.		-0.10	269.35
3,550.0	3,550.0	Point Lookout Ss.		-0.10	269.35
3,690.0	3,690.0	Mancos Shale		-0.10	269.35
4,234.1	4,222.0	Mancos Silt		-0.10	269.35
4,415.2	4,388.0	Mancos Silt Base		-0.10	269.35
4,564.1	4,515.0	Gallup Fn.		-0.10	269.35

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
3,888.0	3,888.0	0.0	0.0	KOP @ 3888'
4,458.2	4,385.0	237.8	19.9	Start build/turn @ 4458' MD
5,505.9	4,812.9	763.7	-621.6	LP @ 4812' TVD; 90.1°
10,135.7	4,804.8	711.1	-5,251.1	TD at 10135.7

Nagezzi Unit L10-2309 01H
SHL: 1455' FSL, 288' FWL Sec 10 23N 09W
BHL: 1750' FSL, 330' FWL Sec 9 23N 09W
San Juan, New Mexico

Encana Oil & Gas (USA) Inc.
Drilling Plan

1. ESTIMATED TOPS OF GEOLOGICAL MARKERS (TVD)

The estimated tops of important geologic markers are as follows:

Formation	Depth (TVD) units = feet
San Jose Fn.	n/a
Nacimiento Fn.	surface
Ojo Alamo Ss.	469
Kirtland Shale	566
Fruitland Coal	740
Pictured Cliffs Ss.	1,581
Lewis Shale	1,122
Cliffhouse Ss.	1,843
Menefee Fn.	2,582
Point Lookout Ss.	3,554
Mancos Shale	3,692
Mancos Silt	4,242
Gallup Fn.	4,519
Base Gallup	4,844

The referenced surface elevation is 6754', KB 6772'

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

Substance	Formation	Depth (TVD) units = feet
Water/Gas	Fruitland Coal	740
Oil/Gas	Pictured Cliffs Ss.	1,581
Oil/Gas	Cliffhouse Ss.	1,843
Gas	Menefee Fn.	2,582
Oil/Gas	Point Lookout Ss.	3,554
Oil/Gas	Mancos Shale	3,692
Oil/Gas	Mancos Silt	4,242
Oil/Gas	Gallup Fn.	4,519

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

Nagezzi Unit L10-2309 01H
SHL: 1455' FSL, 288' FWL Sec 10 23N 09W
BHL: 1750' FSL, 330' FWL Sec 9 23N 09W
San Juan, New Mexico

3. PRESSURE CONTROL

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

Proposed BOP and choke manifold arrangements are attached.

4. CASING & CEMENTING PROGRAM

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

a) The proposed casing design is as follows:

Casing	Depth (MD)	Hole Size	Csg Size	Weight	Grade
Conductor	0'-60'	26"	16"	42.09#	
Surface	0'-500'	12 1/4"	9 5/8"	36#	J55, STC New
Intermediate	0'-4810'	8 3/4"	7"	26#	J55, LTC New
Production Liner	4710'-9864'	6 1/8"	4 1/2"	11.6#	B80*, LTC New

Casing String				Casing Strength Properties			Minimum Design Factors		
Size	Weight (ppf)	Grade	Connection	Collapse (psi)	Burst (psi)	Tensile (1000lbs)	Collapse	Burst	Tension
9 5/8"	36	J55	STC	2020	3520	394	1.125	1.1	1.5
7"	26	J55	LTC	4320	4980	367	1.125	1.1	1.5
4.5"	11.6	B80	LTC	6350	7780	201	1.125	1.1	1.5

*B80 pipe specifications are attached

Casing design is subject to revision based on geologic conditions encountered

Nagezzi Unit L10-2309 01H
SHL: 1455' FSL, 288' FWL Sec 10 23N 09W
BHL: 1750' FSL, 330' FWL Sec 9 23N 09W
San Juan, New Mexico

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

b) The proposed cementing program is as follows

Casing	Depth (MD)	Cement Volume (sacks)	Cement Type & Yield	Designed TOC	Centralizers
Conductor	0'-60'	100 sks	Type I Neat 16 ppg	Surface	None
Surface	0'-500'	228 sks	Type III Cement + 1% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 0.2% bwoc FL-52A + 58.9% Fresh Water	Surface	1 per joint on bottom 3 joints
Intermediate	0'-4810'	100% open hole excess Stage 1 Lead: 444 sks Stage 1 Tail: 345 sks	Lead: PremLite + 3% CaCl + 0.25lb/sk CelloFlake + 5lb/sk LCM, 12.1ppg 2.13cuft/sk Tail: Type III Cmt + 1% CaCl + 0.25lb/sk Cello Flake 14.5ppg 1.38cuft/sk	Surface	1 every 3 joints through water bearing zones
Production Liner	4710'-9864'	50% OH excess Stage 1 Blend Total: 292sks	Blend: Premium Lite High Strength FM + 0.7% bwoc R-3 + 3% bwow Potassium Chloride + 0.25lbs/sack Cello Flake + 0.5% bwoc CD-32 + 1.15% bwoc FL-52A + 60 lbs/sack Calcium Carbonate + 124.4% Fresh Water. Yield 2.63 cuft/sk	Liner Hanger	N/A

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

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

5. WELL PLAN & DIRECTIONAL DRILLING PROGRAM

The proposed horizontal well will have a kick off point of 3888'. Directional plans are attached.

Description	Proposed Depth (TVD/MD)	Formation
Horizontal Lateral TD	4805'/9864'	Gallup

Nagezzi Unit L10-2309 01H
SHL: 1455' FSL, 288' FWL Sec 10 23N 09W
BHL: 1750' FSL, 330' FWL Sec 9 23N 09W
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'-4687'/4810	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"	4687'/4810'-4805'/9864'	Fresh Water LSND	8.3-10	15-25	<15

c) There will be sufficient mud on location to control a blowout should one occur. Mud flow and volume will be monitored both visually and with electronic pit volume totalizers. Mud tests shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.

d) A closed-loop system will be used to recover drilling fluid and dry cuttings in both phases of the well and on all hole intervals. Above-ground tanks will be utilized to hold cuttings and fluids for rig operations. A frac tank will be on location to store fresh water. Waste will be disposed of properly at an EPA-approved hazardous waste facility. Fresh water cuttings will be disposed of at Basin Disposal, Inc. and/or Industrial Ecosystems, Inc. The location will be lined in accordance with the Surface Use Plan of Operations.

7. TESTING, CORING, & LOGGING

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

Cased Hole:
CBL/CCL/GR/VDL will be run as needed for perforating control

8. ABNORMAL PRESSURES & HYDROGEN SULFIDE

The anticipated bottom hole pressure is +/- 2248 psi based on a 9.0 ppg at 4804' TVD of the horizontal lateral target. No abnormal pressure or temperatures are anticipated.

No hydrogen sulfide gas is anticipated, however, if H_2S is encountered, the guidelines in Onshore Order No. 6 will be followed.

9. ANTICIPATED START DATE AND DURATION OF OPERATIONS

Drilling is estimated to commence on April 19, 2015. It is anticipated that completion operations will begin within 30 days after the well has been drilled depending on fracture treatment schedules with various pumping service companies.

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

LOC: 1455' FSL, 288' FWL Sec 10 23N 09W County: San Juan WELL: Nagezzi Unit L10-2309 01H	Encana Natural Gas WELL SUMMARY		ENG: Michael Sanch 10/23/14 RIG: Aztec 1111 GLE: 6754 RKBE: 6771.5

MWD LWD	OPEN HOLE LOGGING	FORM	DEPTH TVD	DEPTH MD	HOLE SIZE	CASING SPECS	MW MUD TYPE	DEVIATION INFORMATION
			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		12 1/4	**9 5/8" 36ppf J55 STC** 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°
		Nacimiento Fn.	surface					
		9 5/8" Csg	**500**	**500.00**				
		Ojo Alamo Ss.	469					
		Kirtland Shale	566					
	No OH logs	Fruitland Coal	740			**7" 26ppf J55 LTC**	Fresh Wtr	
Survey Every 60'-120', updating anticollision report after surveys. Stop operations and contact drilling engineer if separation factor approaches 1.5		Pictured Cliffs Ss.	1,581		8 3/4	TOC @ surface (100% OH excess - 70% Lead 30% Tail) Stage 1 Total: 790sks	8.3-10	Vertical <1°
		Lewis Shale	1,122					
		Cliffhouse Ss.	1,843					
		Menefee Fn.	2,582			Stage 1 Lead: 444 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.		
		Point Lookout Ss.	3,554					
		Mancos Shale	3,692					
	Mud logger onsite	**KOP**	**3,888**	**3,888**		Stage 1 Tail: 345 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.		
Surveys every 30' through the curve		Mancos Silt	4,242					
		Gallup Fn.	4,519					
		7" Csg	**4,687**	**4,810'**				
Surveys every stand to TD unless directed otherwise by Geologist	No OH Logs	Horizontal Target	4,804		6 1/8	100' overlap at liner top		Horz Inc/TVD 90.1deg/4803.5ft
		TD	**4,805**	**9,864**		5054' Drilled Lateral		TD = 9863.9 MD
		Base Gallup	4,844			**4 1/2" 11.6ppf SB80 LTC** TOC @ hanger (50% OH excess) Stage 1 Total: 292sks	**WBM** 8.3-10	
MWD Gamma Directional						Stage 1 Blend: 292 sks Premium Lite High Strength FM + 0.7% bwoc R-3 + 3% bwow Potassium Chloride + 0.25lbs/sack Cello Flake + 0.5% bwoc CD-32 + 1.15% bwoc FL-52A + 60 lbs/sack Calcium Carbonate + 124.4% Fresh Water. Yield 2.63 cuft/sk.		

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 3888', 8 3/4 inch holesize
5) Start curve at 10deg/100' build rate
6) Drill to csg point of 4810' MD
7) R&C 7" csg, circ cmt to surface
8) Land at ~90 deg, drill lateral to 9864' run 4 1/2 inch cemented liner