

Carlsbad Field Office
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
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 reverse side.

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM19246
2. Name of Operator XTO ENERGY INCORPORATED Contact: STEPHANIE RABADUE E-Mail: stephanie_rabadue@xtoenergy.com		6. If Indian, Allottee or Tribe Name
3a. Address 200 N. LORAIN ST STE 800 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-620-6714	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 18 T23S R30E Mer NMP 550FNL 330FWL		8. Well Name and No. NASH UNIT 44H
10. Field and Pool, or Exploratory NASH DRAW; DELAWARE-BS		9. API Well No. 30-015-42195
11. County or Parish, and State EDDY COUNTY, NM		12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
☒ Notice of Intent ☐ Subsequent Report ☐ Final Abandonment Notice	☐ Acidize ☐ Alter Casing ☐ Casing Repair ☐ Deepen ☐ Fracture ☐ Plug and Abandon ☐ Water Shut-Off ☐ Well Integrity ☒ Other Change to Original APD

13. Describe Proposed or Completed Operation
If the proposal is to deepen directionally or Attach the Bond under which the work will following completion of the involved operation testing has been completed. Final Abandonment determined that the site is ready for final inspection.

Originally delivered by Barry Hunt April 2014.

XTO Energy, inc has moved the previously approved surface location from 550 FNL & 1200 FWL to 500 FNL & 330 FWL, still in Section 18-T23S-R30E. An on-site with the BLM was conducted on this move of 870' to the West. Location was previously approved with J. Rutley prior to staking.

XTO also proposes to change the BHL from 330 FNL & 600 FWL to 330 FNL & 660 FWL, still in Section 6-T23S-R30E (new penetration point will be 425 FSL & 359.1 FWL, Section 7-T23S-R30E).

The TVD will change from 6924'-6943'. The MD will change from 17,325' to 17,457.75'. A new horizontal lateral plan is attached.

PROVIDE NMOCD WITH AMENDED C102 WITH NEW SURVEY prior to drilling well.

Accepted for record

NMOCD

**NM OIL CONSERVATION
ARTESIA DISTRICT**

JUL 16 2014

RECEIVED

6-18-14

SUNDRY LOCATION ON ESTABLISHED AND UPDATED NASH DRAW ISLAND - App. JSR

14. I hereby certify that the foregoing is true and correct. Electronic Submission #249969 verified by the BLM Well Information System For XTO ENERGY INCORPORATED, sent to the Carlsbad Committed to AFMSS for processing by JERRY BLAKLEY on 06/18/2014 ()		Name (Printed/Typed) STEPHANIE RABADUE Title REGULATORY ANALYST	
Signature (Electronic Submission)		Date 06/17/2014	

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>Coody P. Lytle</u>	Title <u>MR S</u>	Date <u>06/18/14</u>
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 <u>CFO</u>

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.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

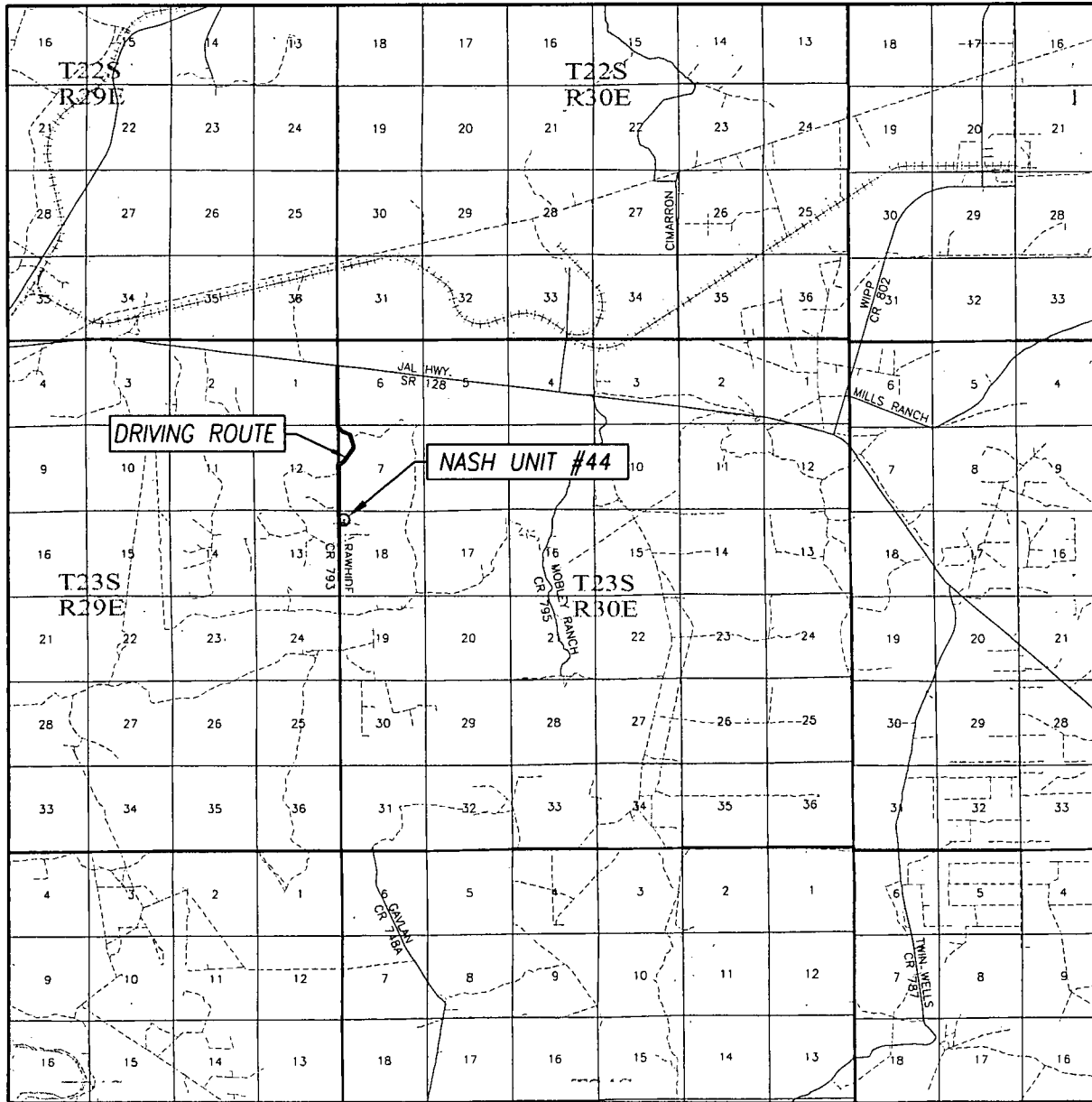
Additional data for EC transaction #249969 that would not fit on the form

32. Additional remarks, continued

Everything else of the original APD package will remain the same.

An archaeological report from Boone Archaeological Services will be forwarded to the Carlsbad Field office for the new surface location and short access road of 63'.

VICINITY MAP



SCALE: 1" = 2 MILES

DRIVING ROUTE: SEE LOCATION VERIFICATION MAP

SEC. 18 TWP. 23-S RGE. 30-E

SURVEY N.M.P.M.

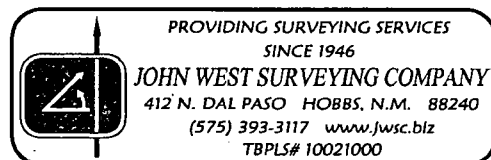
COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 550' FNL & 330' FWL

ELEVATION 3006'

OPERATOR XTO ENERGY

LEASE NASH UNIT

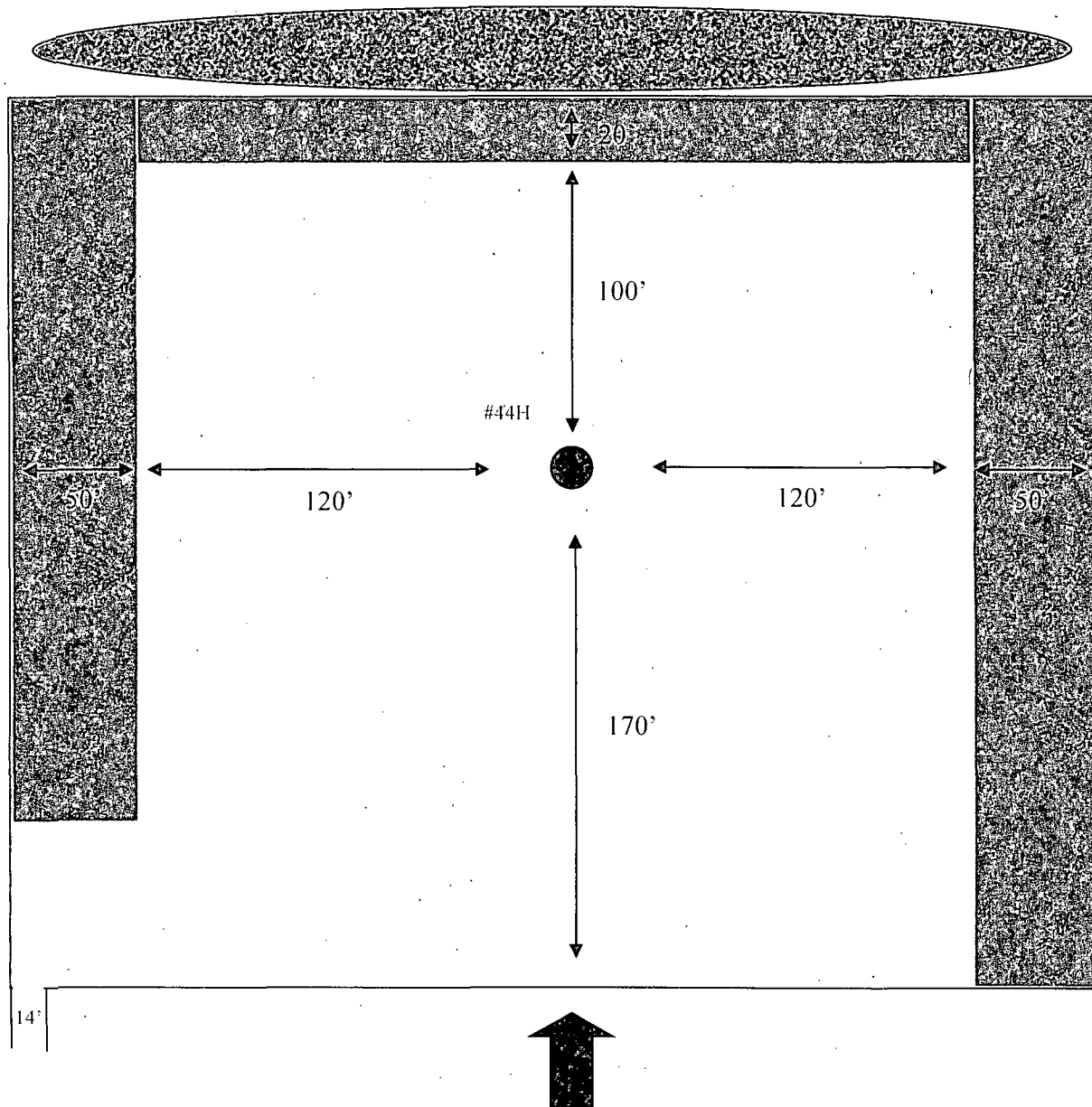


PROVIDING SURVEYING SERVICES
SINCE 1946

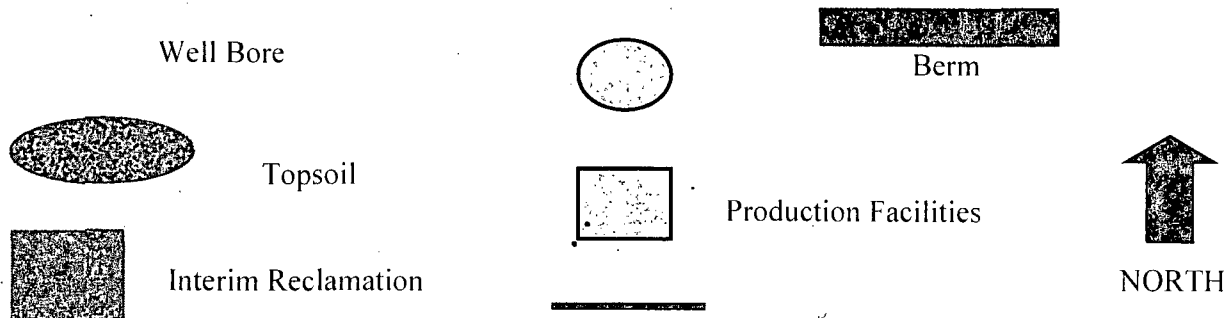
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO HOBBS, N.M. 88240
(575) 393-3117 www.jwsc.biz
TBPLS# 10021000

EXHIBIT C

Interim Reclamation & Production Facilities
NASH UNIT #44H
V-DOOR EAST



LEGEND





XTO Energy Inc.

HALLIBURTON

Sperry Drilling

Project: Eddy County, NM (NAD27)
Site: Nash Unit
Well: Nash Unit #44H
Wellbore: Wellbore #1
Plan: Plan #1
Rig: Pioneer 33

SURFACE LOCATION

US State Plane 1927 (Exact solution)
New Mexico East 3001
Elevation: GL 3006' + KB 17' @ 3023.00usft (Pioneer 33)
Northing Easting Latitude Longitude
476985.30 625196.30 32° 18' 38.514 N 103° 55' 41.147 W

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

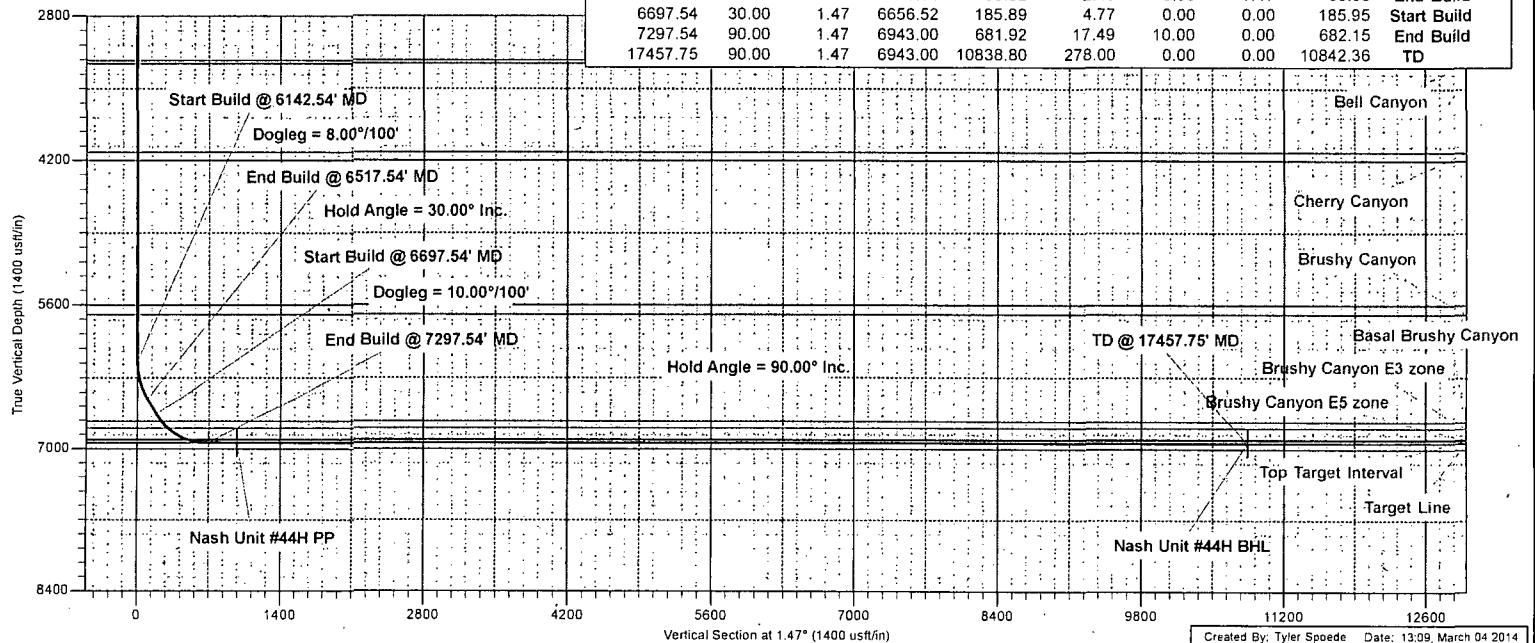
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Nash Unit #44H BHL	6943.00	10838.80	278.00	487824.10	625474.30	32° 20' 25.764 N	103° 55' 37.429 W
Nash Unit #44H PP	6943.00	974.80	25.00	477960.10	625221.30	32° 18' 48.160 N	103° 55' 40.813 W

To convert a Magnetic Direction to a Grid Direction, Add 7.32°

SECTION DETAILS

Magnetic Model: BGGM2013 Date: 04-Mar-14
Azimuths to Grid North

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6142.54	0.00	0.00	6142.54	0.00	0.00	0.00	0.00	0.00	Start Build
6517.54	30.00	1.47	6500.64	95.92	2.46	8.00	1.47	95.95	End Build
6697.54	30.00	1.47	6656.52	185.89	4.77	0.00	0.00	185.95	Start Build
7297.54	90.00	1.47	6943.00	681.92	17.49	10.00	0.00	682.15	End Build
17457.75	90.00	1.47	6943.00	10838.80	278.00	0.00	0.00	10842.36	TD



Project: Eddy County, NM (NAD27)
 Site: Nash Unit
 Well: Nash Unit #44H
 Wellbore: Wellbore #1
 Plan: Plan #1
 Rig: Pioneer 33

SURFACE LOCATION

US State Plane 1927 (Exact solution)
 New Mexico East 3001
 Elevation: GL 3006' + KB 17' @ 3023.00usft (Pioneer 33)

Northing	Easting	Latitude	Longitude
476985.30	625196.30	32° 18' 38.514 N	103° 55' 41.147 W

To convert a Magnetic Direction to a Grid Direction, Add 7.32°

Magnetic Model: BGGM2013 Date: 04-Mar-14
 Azimuths to Grid North



South(-)/North(+) (1500 usft/in)

330' Offset



South(-)/North(+) (1500 usft/in)

West(-)/East(+) (1500 usft/in)

West(-)/East(+) (1500 usft/in)

TD @ 17457.75' MD

Nash Unit #44H BHL

Nash Unit #44H PP

Nash Unit #7

End Build @ 7297.54' MD

Start Build @ 6697.54' MD

Nash Unit #49H

End Build @ 6517.54' MD

Start Build @ 6142.54' MD

Nash Unit #45H

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.
NM-019246

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
XTO ENERGY, INC.

7. If Unit of CA/Agreement, Name and/or No.
NASH UNIT NMNM-70992X

8. Well Name and No.
NASH UNIT #44H

3a. Address
200 N. LORRAINE, SUITE 800
MIDLAND, TEXAS 79701

3b. Phone No. (include area code)
432-620-6714 STEPHANIE RABADUE

9. API Well No.
30-015-42195

10. Field and Pool or Exploratory Area
NASH DRAW; DELAWARE/BS (Avalon Sand)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SHL: 550 FNL & 330 FWL, SECTION 18, T. 23 S., R. 30 E.
BHL: 330 FNL & 660 FWL, SECTION 6, T. 23 S., R. 30 E.

11. County or Parish, State
EDDY, 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
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	MOVED LOCATION
	☐ 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 recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

XTO ENERGY, INC. HAS MOVED THE PREVIOUSLY APPROVED SURFACE LOCATION FROM 550 FNL & 1200 FWL TO 550 FNL & 330 FWL, STILL IN SECTION 18, T. 23 S., R. 30 E. AN ON-SITE WITH BLM (JESSE RICE) WAS CONDUCTED ON THIS MOVE OF 870 FT. TO THE WEST.

XTO ALSO PROPOSES TO CHANGE THE BHL FROM 330 FNL & 600 FWL TO 330 FNL & 660 FWL STILL IN SECTION 6, T. 23 S., R. 30 E. (NEW PENETRATION POINT WILL BE 425 FSL & 359.1 FWL SECTION 7, T. 23 S., R. 30 E.)

THE TVD WILL CHANGE FROM 6924' TO 6943'. THE MD WILL CHANGE FROM 17,325' TO 17,457.75'. A NEW HORIZONTAL LATERAL PLAN IS ATTACHED.

EVERYTHING ELSE OF THE ORIGINAL APD PACKAGE WILL REMAIN THE SAME.

AN ARCHAEOLOGICAL REPORT FROM BOONE ARCHAEOLOGICAL SERVICES WILL BE FORWARDED TO THE CARLSBAD FIELD OFFICE FOR THE NEW SURFACE LOCATION AND SHORT ACCESS ROAD OF 63'.

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

BARRY W. HUNT

Title PERMIT AGENT FOR XTO ENERGY, INC.

Signature

Date

4/30/14

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

This document contains neither recommendations nor conclusions of the U.S. Geological Survey. It is the property of the U.S. Geological Survey and is loaned to your agency; it and its contents are not to be distributed outside your agency.

DISTRICT I
1625 N. French Dr., Hobbs, NM 88249
Phone: (505) 393-6161 Fax: (505) 393-0720

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

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

DISTRICT IV
1220 S. St. Francis 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, New Mexico 87505

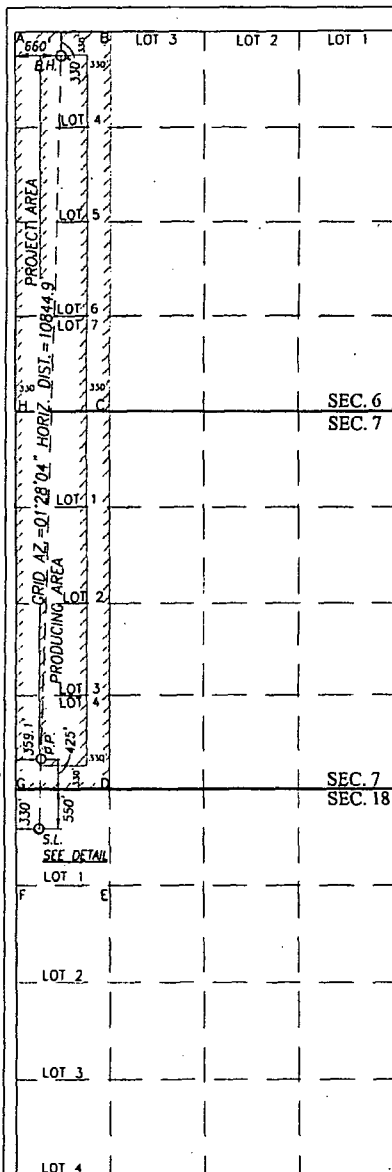
Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-42195		Pool Code 47545		Pool Name Nash Draw, Delaware-BS AVS	
Property Code		Property Name NASH UNIT			Well Number 44
OGRID No. 005380		Operator Name XTO ENERGY			Elevation 3006'
Surface Location					
UL or lot No. 1	Section 18	Township 23-S	Range 30-E	Lot Idn 550	Feet from the North/South line 330
				Feet from the East/West line WEST	County EDDY
Bottom Hole Location If Different From Surface					
UL or lot No. 4	Section 6	Township 23-S	Range 30-E	Lot Idn 330	Feet from the North/South line NORTH
				Feet from the East/West line WEST	County EDDY
Penetration Point Location					
UL or lot No. 4	Section 7	Township 23-S	Range 30-E	Lot Idn 425	Feet from the North/South line SOUTH
				Feet from the East/West line WEST	County EDDY
Dedicated Acres 322.79		Joint or Infill		Consolidation Code	
				Order No.	

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



SCALE: 1"=2000'

BOTTOM HOLE LOCATION
NAD 27 NME

Y=487824.1 N
X=625474.3 E

LAT.=32.340490° N
LONG.=103.927063° W

CORNER COORDINATES TABLE

A - Y=488153.1 N, X=624812.8 E
B - Y=488155.0 N, X=626184.0 E
C - Y=482847.4 N, X=626180.7 E
D - Y=477536.0 N, X=626206.2 E
E - Y=476209.1 N, X=626212.7 E
F - Y=476207.3 N, X=624869.2 E
G - Y=477535.0 N, X=624864.2 E
H - Y=482848.4 N, X=624839.1 E

PENETRATION POINT
NAD 27 NME

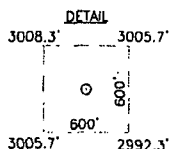
Y=477960.1 N
X=625221.3 E

LAT.=32.313378° N
LONG.=103.928004° W

GEODETIC COORDINATES
NAD 27 NME

SURFACE LOCATION
Y=476985.3 N
X=625196.3 E

LAT.=32.310698° N
LONG.=103.928096° W



OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Stephanie Rabodue 3-5-14
Signature Date

Stephanie Rabodue
Printed Name

Stephanie.rabodue@xtoenergy.com
E-mail Address

SURVEYOR CERTIFICATION

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

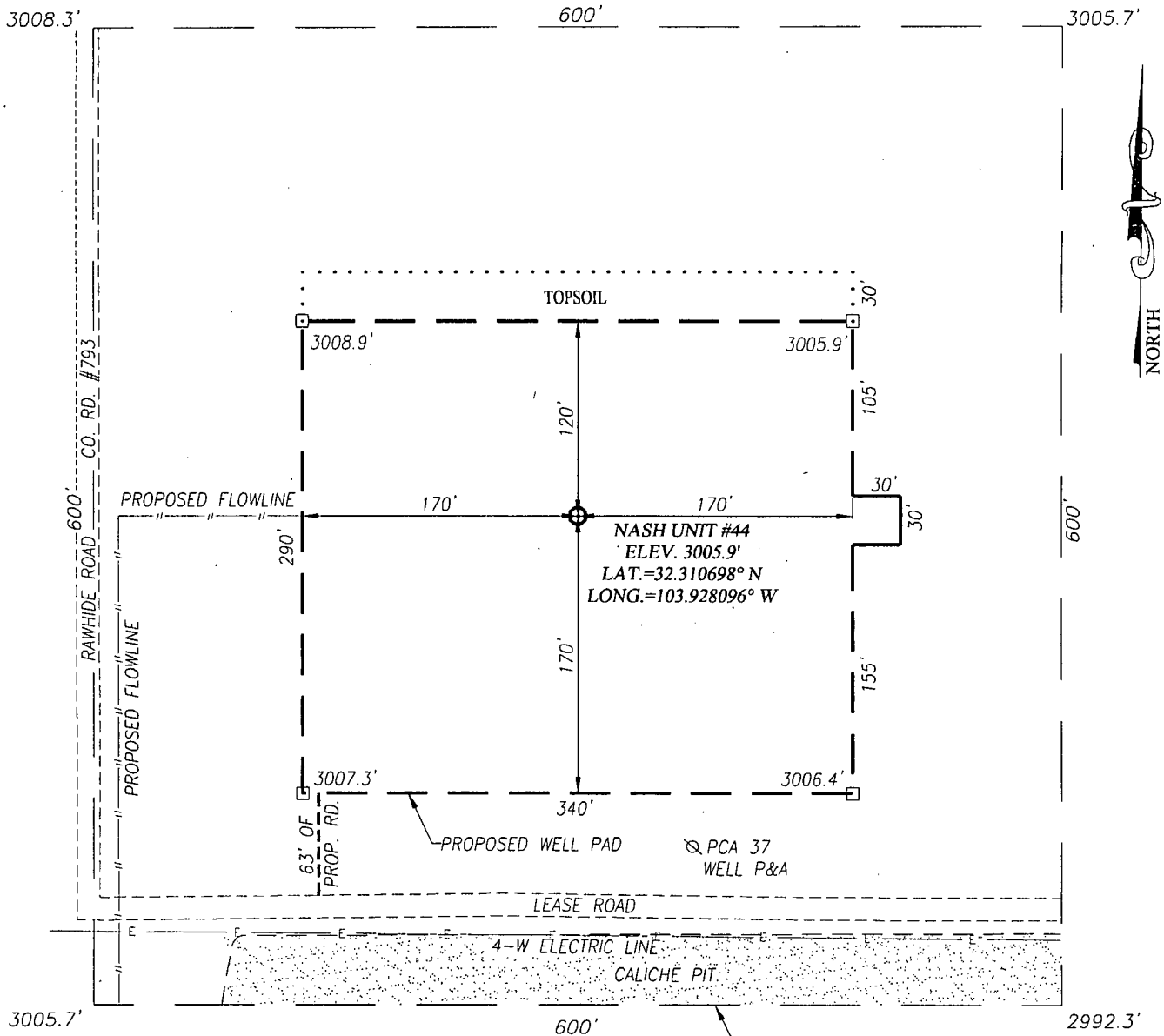
FEBRUARY 12, 2014

Date of Survey
Signature & Seal of Professional Surveyor:

Raymond 3/3/14

Certificate Number Gary G. Eidson 12641
Ronald J. Eidson 3239





DIRECTIONS TO NASH UNIT #44:

FROM THE INTERSECTION OF ST. HIGHWAY 128 AND CO. RD. 793 (RAWHIDE ROAD), GO SOUTH ON RAWHIDE ROAD APPROX. 2.6 MILES. TURN LEFT AND GO EAST APPROX. 300 FEET. THIS WELL IS NORTH APPROX. 240 FEET.



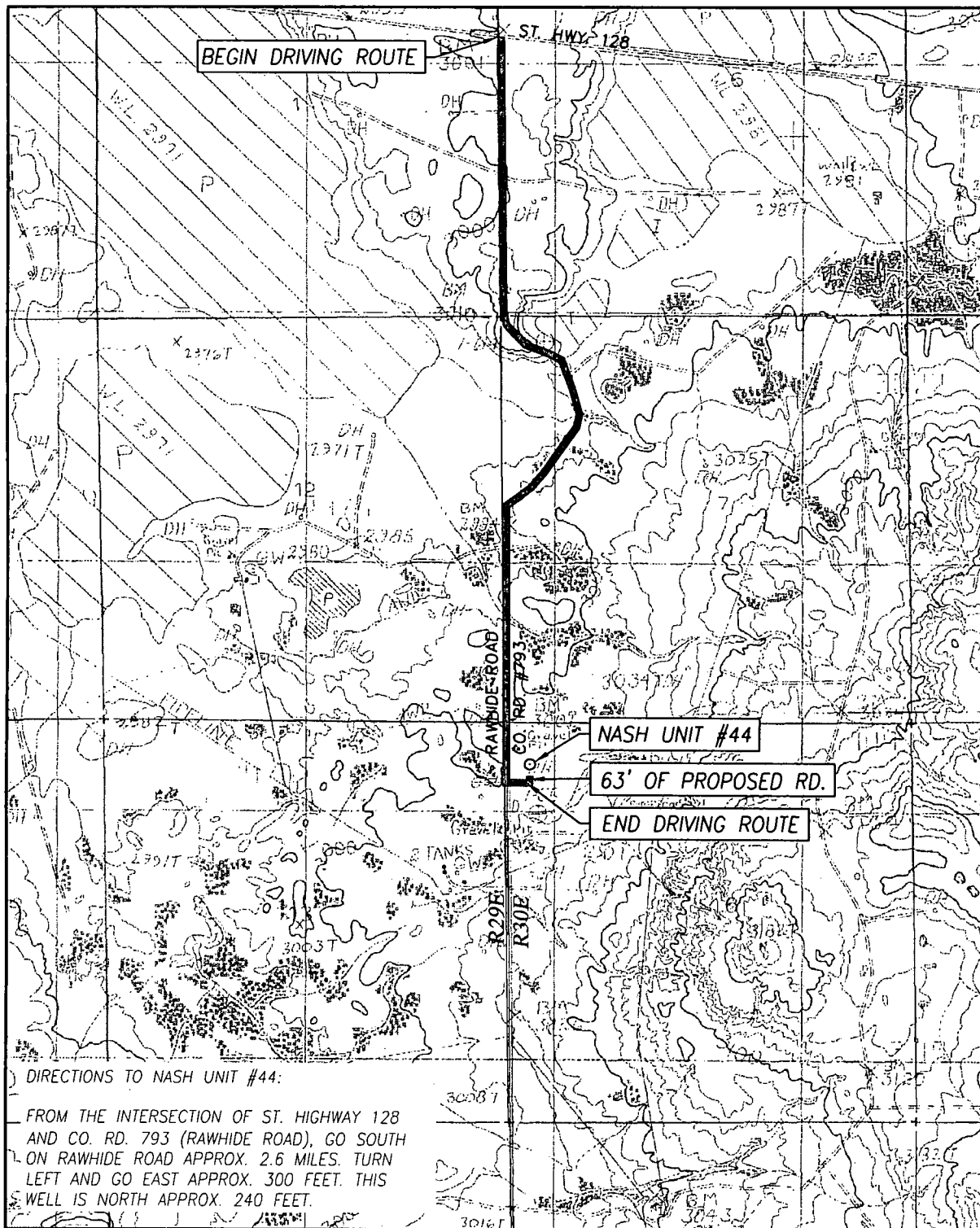
PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO HOBBS, N.M. 88240
(575) 393-3117 www.jwsc.biz
TBPLS# 10021000

XTO ENERGY

NASH UNIT #44 WELL
LOCATED 550 FEET FROM THE NORTH LINE
AND 330 FEET FROM THE WEST LINE OF SECTION 18,
TOWNSHIP 23 SOUTH, RANGE 30 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO

Survey Date: 2/12/14	CAD Date: 2/24/14	Drawn By: DSS
W.O. No.: 14110141	Rev: .	Rel. W.O.: Sheet 1 of 1

LOCATION VERIFICATION MAP



SEC. 18 TWP. 23-S RGE. 30-E
 COUNTY EDDY STATE NEW MEXICO
 DESCRIPTION 550' FNL & 330' FWL
 ELEVATION 3006'
 OPERATOR XTO ENERGY
 LEASE NASH UNIT
 U.S.G.S. TOPOGRAPHIC MAP
 REMUDA BASIN, N.M. SURVEY N.M.P.M.

SCALE: 1" = 2000' CONTOUR INTERVAL:
 REMUDA BASIN, N.M. - 10'

PROVIDING SURVEYING SERVICES
 SINCE 1946
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO HOBBS, N.M. 88240
 (575) 393-3117 www.jwsc.biz
 TBPLS# 10021000

XTO Energy Inc.

Eddy County, NM (NAD27)

Nash Unit

Nash Unit #44H

Wellbore #1

Plan: Plan #1

Sperry Drilling Services Proposal Report

04 March, 2014

Well Coordinates: 476,985.30 N, 625,196.30 E (32° 18' 38.51" N, 103° 55' 41.15" W)
Ground Level: 3,006.00 usft

Local Coordinate Origin:	Centered on Well Nash Unit #44H
Viewing Datum:	GL 3006' + KB 17' @ 3023.00usft (Pioneer 33)
TVDs to System:	N
North Reference:	Grid
Unit System:	API - US Survey Feet

Version: 5000.1 Build: 65

HALLIBURTON

Plan Report for Nash Unit #44H - Plan #1

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
0.00	0.00	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	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	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	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	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	0.00	0.00
600.00	0.00	0.00	600.00	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	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,229.00	0.00	0.00	3,229.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Base Castile										
3,258.00	0.00	0.00	3,258.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bell Canyon										
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,122.00	0.00	0.00	4,122.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cherry Canyon										
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Plan Report for Nash Unit #44H - Plan #1

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,695.00	0.00	0.00	5,695.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Brushy Canyon										
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,142.54	0.00	0.00	6,142.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build @ 6142.54' MD - Dogleg = 8.00°/100'										
6,150.00	0.60	1.47	6,150.00	0.04	0.00	0.04	8.00	8.00	0.00	1.47
6,200.00	4.60	1.47	6,199.94	2.30	0.06	2.30	8.00	8.00	0.00	0.00
6,250.00	8.60	1.47	6,249.60	8.04	0.21	8.05	8.00	8.00	0.00	0.00
6,300.00	12.60	1.47	6,298.73	17.23	0.44	17.24	8.00	8.00	0.00	0.00
6,350.00	16.60	1.47	6,347.11	29.83	0.77	29.84	8.00	8.00	0.00	0.00
6,400.00	20.60	1.47	6,394.49	45.77	1.17	45.78	8.00	8.00	0.00	0.00
6,450.00	24.60	1.47	6,440.64	64.97	1.67	64.99	8.00	8.00	0.00	0.00
6,500.00	28.60	1.47	6,485.34	87.34	2.24	87.37	8.00	8.00	0.00	0.00
6,517.54	30.00	1.47	6,500.64	95.92	2.46	95.95	8.00	8.00	0.00	0.00
End Build @ 6517.54' MD - Hold Angle = 30.00° Inc.										
6,600.00	30.00	1.47	6,572.05	137.14	3.52	137.18	0.00	0.00	0.00	0.00
6,697.54	30.00	1.47	6,656.52	185.89	4.77	185.95	0.00	0.00	0.00	0.00
Start Build @ 6697.54' MD - Dogleg = 10.00°/100'										
6,700.00	30.25	1.47	6,658.65	187.13	4.80	187.19	10.01	10.01	0.00	0.00
6,750.00	35.25	1.47	6,700.69	214.15	5.49	214.23	10.00	10.00	0.00	0.00
6,786.75	38.92	1.47	6,730.00	236.30	6.06	236.38	10.00	10.00	0.00	0.00
Basal Brushy Canyon										
6,800.00	40.25	1.47	6,740.22	244.74	6.28	244.82	10.00	10.00	0.00	0.00
6,850.00	45.25	1.47	6,776.92	278.66	7.15	278.75	10.00	10.00	0.00	0.00
6,879.29	48.17	1.47	6,797.00	299.97	7.69	300.06	10.00	10.00	0.00	0.00
Brushy Canyon E3 zone										
6,900.00	50.25	1.47	6,810.53	315.64	8.10	315.75	10.00	10.00	0.00	0.00
6,950.00	55.25	1.47	6,840.79	355.42	9.12	355.53	10.00	10.00	0.00	0.00
7,000.00	60.25	1.47	6,867.46	397.67	10.20	397.80	10.00	10.00	0.00	0.00
7,050.00	65.25	1.47	6,890.35	442.09	11.34	442.24	10.00	10.00	0.00	0.00
7,093.35	69.58	1.47	6,907.00	482.10	12.37	482.26	10.00	10.00	0.00	0.00
Brushy Canyon E5 zone										
7,100.00	70.25	1.47	6,909.28	488.34	12.53	488.50	10.00	10.00	0.00	0.00
7,117.68	72.01	1.47	6,915.00	505.06	12.95	505.23	10.00	10.00	0.00	0.00
Top Target Interval										
7,150.00	75.25	1.47	6,924.11	536.06	13.75	536.24	10.00	10.00	0.00	0.00
7,200.00	80.25	1.47	6,934.72	584.89	15.00	585.08	10.00	10.00	0.00	0.00
7,250.00	85.25	1.47	6,941.03	634.46	16.27	634.66	10.00	10.00	0.00	0.00
7,297.53	90.00	1.47	6,943.00	681.92	17.49	682.14	10.00	10.00	0.00	0.00
Target Line										
7,297.54	90.00	1.47	6,943.00	681.93	17.49	682.15	7.88	7.88	0.00	0.00
End Build @ 7297.54' MD - Hold Angle = 90.00° Inc.										
7,300.00	90.00	1.47	6,943.00	684.39	17.55	684.61	0.00	0.00	0.00	0.00
7,400.00	90.00	1.47	6,943.00	784.35	20.12	784.61	0.00	0.00	0.00	0.00
7,500.00	90.00	1.47	6,943.00	884.32	22.68	884.61	0.00	0.00	0.00	0.00
7,590.51	90.00	1.47	6,943.00	974.80	25.00	975.12	0.00	0.00	0.00	0.00
Nash Unit #44H PP										
7,600.00	90.00	1.47	6,943.00	984.29	25.25	984.61	0.00	0.00	0.00	0.00
7,700.00	90.00	1.47	6,943.00	1,084.25	27.81	1,084.61	0.00	0.00	0.00	0.00

Plan Report for Nash Unit #44H - Plan #1

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
7,800.00	90.00	1.47	6,943.00	1,184.22	30.37	1,184.61	0.00	0.00	0.00	0.00
7,900.00	90.00	1.47	6,943.00	1,284.19	32.94	1,284.61	0.00	0.00	0.00	0.00
8,000.00	90.00	1.47	6,943.00	1,384.16	35.50	1,384.61	0.00	0.00	0.00	0.00
8,100.00	90.00	1.47	6,943.00	1,484.12	38.07	1,484.61	0.00	0.00	0.00	0.00
8,200.00	90.00	1.47	6,943.00	1,584.09	40.63	1,584.61	0.00	0.00	0.00	0.00
8,300.00	90.00	1.47	6,943.00	1,684.06	43.19	1,684.61	0.00	0.00	0.00	0.00
8,400.00	90.00	1.47	6,943.00	1,784.02	45.76	1,784.61	0.00	0.00	0.00	0.00
8,500.00	90.00	1.47	6,943.00	1,883.99	48.32	1,884.61	0.00	0.00	0.00	0.00
8,600.00	90.00	1.47	6,943.00	1,983.96	50.89	1,984.61	0.00	0.00	0.00	0.00
8,700.00	90.00	1.47	6,943.00	2,083.92	53.45	2,084.61	0.00	0.00	0.00	0.00
8,800.00	90.00	1.47	6,943.00	2,183.89	56.01	2,184.61	0.00	0.00	0.00	0.00
8,900.00	90.00	1.47	6,943.00	2,283.86	58.58	2,284.61	0.00	0.00	0.00	0.00
9,000.00	90.00	1.47	6,943.00	2,383.83	61.14	2,384.61	0.00	0.00	0.00	0.00
9,100.00	90.00	1.47	6,943.00	2,483.79	63.71	2,484.61	0.00	0.00	0.00	0.00
9,200.00	90.00	1.47	6,943.00	2,583.76	66.27	2,584.61	0.00	0.00	0.00	0.00
9,300.00	90.00	1.47	6,943.00	2,683.73	68.83	2,684.61	0.00	0.00	0.00	0.00
9,400.00	90.00	1.47	6,943.00	2,783.69	71.40	2,784.61	0.00	0.00	0.00	0.00
9,500.00	90.00	1.47	6,943.00	2,883.66	73.96	2,884.61	0.00	0.00	0.00	0.00
9,600.00	90.00	1.47	6,943.00	2,983.63	76.53	2,984.61	0.00	0.00	0.00	0.00
9,700.00	90.00	1.47	6,943.00	3,083.60	79.09	3,084.61	0.00	0.00	0.00	0.00
9,800.00	90.00	1.47	6,943.00	3,183.56	81.65	3,184.61	0.00	0.00	0.00	0.00
9,900.00	90.00	1.47	6,943.00	3,283.53	84.22	3,284.61	0.00	0.00	0.00	0.00
10,000.00	90.00	1.47	6,943.00	3,383.50	86.78	3,384.61	0.00	0.00	0.00	0.00
10,100.00	90.00	1.47	6,943.00	3,483.46	89.35	3,484.61	0.00	0.00	0.00	0.00
10,200.00	90.00	1.47	6,943.00	3,583.43	91.91	3,584.61	0.00	0.00	0.00	0.00
10,300.00	90.00	1.47	6,943.00	3,683.40	94.47	3,684.61	0.00	0.00	0.00	0.00
10,400.00	90.00	1.47	6,943.00	3,783.37	97.04	3,784.61	0.00	0.00	0.00	0.00
10,500.00	90.00	1.47	6,943.00	3,883.33	99.60	3,884.61	0.00	0.00	0.00	0.00
10,600.00	90.00	1.47	6,943.00	3,983.30	102.17	3,984.61	0.00	0.00	0.00	0.00
10,700.00	90.00	1.47	6,943.00	4,083.27	104.73	4,084.61	0.00	0.00	0.00	0.00
10,800.00	90.00	1.47	6,943.00	4,183.23	107.29	4,184.61	0.00	0.00	0.00	0.00
10,900.00	90.00	1.47	6,943.00	4,283.20	109.86	4,284.61	0.00	0.00	0.00	0.00
11,000.00	90.00	1.47	6,943.00	4,383.17	112.42	4,384.61	0.00	0.00	0.00	0.00
11,100.00	90.00	1.47	6,943.00	4,483.14	114.99	4,484.61	0.00	0.00	0.00	0.00
11,200.00	90.00	1.47	6,943.00	4,583.10	117.55	4,584.61	0.00	0.00	0.00	0.00
11,300.00	90.00	1.47	6,943.00	4,683.07	120.11	4,684.61	0.00	0.00	0.00	0.00
11,400.00	90.00	1.47	6,943.00	4,783.04	122.68	4,784.61	0.00	0.00	0.00	0.00
11,500.00	90.00	1.47	6,943.00	4,883.00	125.24	4,884.61	0.00	0.00	0.00	0.00
11,600.00	90.00	1.47	6,943.00	4,982.97	127.81	4,984.61	0.00	0.00	0.00	0.00
11,700.00	90.00	1.47	6,943.00	5,082.94	130.37	5,084.61	0.00	0.00	0.00	0.00
11,800.00	90.00	1.47	6,943.00	5,182.91	132.93	5,184.61	0.00	0.00	0.00	0.00
11,900.00	90.00	1.47	6,943.00	5,282.87	135.50	5,284.61	0.00	0.00	0.00	0.00
12,000.00	90.00	1.47	6,943.00	5,382.84	138.06	5,384.61	0.00	0.00	0.00	0.00
12,100.00	90.00	1.47	6,943.00	5,482.81	140.63	5,484.61	0.00	0.00	0.00	0.00
12,200.00	90.00	1.47	6,943.00	5,582.77	143.19	5,584.61	0.00	0.00	0.00	0.00
12,300.00	90.00	1.47	6,943.00	5,682.74	145.75	5,684.61	0.00	0.00	0.00	0.00
12,400.00	90.00	1.47	6,943.00	5,782.71	148.32	5,784.61	0.00	0.00	0.00	0.00
12,500.00	90.00	1.47	6,943.00	5,882.68	150.88	5,884.61	0.00	0.00	0.00	0.00
12,600.00	90.00	1.47	6,943.00	5,982.64	153.45	5,984.61	0.00	0.00	0.00	0.00
12,700.00	90.00	1.47	6,943.00	6,082.61	156.01	6,084.61	0.00	0.00	0.00	0.00
12,800.00	90.00	1.47	6,943.00	6,182.58	158.57	6,184.61	0.00	0.00	0.00	0.00
12,900.00	90.00	1.47	6,943.00	6,282.54	161.14	6,284.61	0.00	0.00	0.00	0.00
13,000.00	90.00	1.47	6,943.00	6,382.51	163.70	6,384.61	0.00	0.00	0.00	0.00
13,100.00	90.00	1.47	6,943.00	6,482.48	166.27	6,484.61	0.00	0.00	0.00	0.00
13,200.00	90.00	1.47	6,943.00	6,582.45	168.83	6,584.61	0.00	0.00	0.00	0.00
13,300.00	90.00	1.47	6,943.00	6,682.41	171.39	6,684.61	0.00	0.00	0.00	0.00
13,400.00	90.00	1.47	6,943.00	6,782.38	173.96	6,784.61	0.00	0.00	0.00	0.00
13,500.00	90.00	1.47	6,943.00	6,882.35	176.52	6,884.61	0.00	0.00	0.00	0.00
13,600.00	90.00	1.47	6,943.00	6,982.31	179.09	6,984.61	0.00	0.00	0.00	0.00
13,700.00	90.00	1.47	6,943.00	7,082.28	181.65	7,084.61	0.00	0.00	0.00	0.00

Plan Report for Nash Unit #44H - Plan #1

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
13,800.00	90.00	1.47	6,943.00	7,182.25	184.21	7,184.61	0.00	0.00	0.00	0.00
13,900.00	90.00	1.47	6,943.00	7,282.22	186.78	7,284.61	0.00	0.00	0.00	0.00
14,000.00	90.00	1.47	6,943.00	7,382.18	189.34	7,384.61	0.00	0.00	0.00	0.00
14,100.00	90.00	1.47	6,943.00	7,482.15	191.91	7,484.61	0.00	0.00	0.00	0.00
14,200.00	90.00	1.47	6,943.00	7,582.12	194.47	7,584.61	0.00	0.00	0.00	0.00
14,300.00	90.00	1.47	6,943.00	7,682.08	197.03	7,684.61	0.00	0.00	0.00	0.00
14,400.00	90.00	1.47	6,943.00	7,782.05	199.60	7,784.61	0.00	0.00	0.00	0.00
14,500.00	90.00	1.47	6,943.00	7,882.02	202.16	7,884.61	0.00	0.00	0.00	0.00
14,600.00	90.00	1.47	6,943.00	7,981.99	204.73	7,984.61	0.00	0.00	0.00	0.00
14,700.00	90.00	1.47	6,943.00	8,081.95	207.29	8,084.61	0.00	0.00	0.00	0.00
14,800.00	90.00	1.47	6,943.00	8,181.92	209.85	8,184.61	0.00	0.00	0.00	0.00
14,900.00	90.00	1.47	6,943.00	8,281.89	212.42	8,284.61	0.00	0.00	0.00	0.00
15,000.00	90.00	1.47	6,943.00	8,381.85	214.98	8,384.61	0.00	0.00	0.00	0.00
15,100.00	90.00	1.47	6,943.00	8,481.82	217.55	8,484.61	0.00	0.00	0.00	0.00
15,200.00	90.00	1.47	6,943.00	8,581.79	220.11	8,584.61	0.00	0.00	0.00	0.00
15,300.00	90.00	1.47	6,943.00	8,681.76	222.67	8,684.61	0.00	0.00	0.00	0.00
15,400.00	90.00	1.47	6,943.00	8,781.72	225.24	8,784.61	0.00	0.00	0.00	0.00
15,500.00	90.00	1.47	6,943.00	8,881.69	227.80	8,884.61	0.00	0.00	0.00	0.00
15,600.00	90.00	1.47	6,943.00	8,981.66	230.37	8,984.61	0.00	0.00	0.00	0.00
15,700.00	90.00	1.47	6,943.00	9,081.62	232.93	9,084.61	0.00	0.00	0.00	0.00
15,800.00	90.00	1.47	6,943.00	9,181.59	235.49	9,184.61	0.00	0.00	0.00	0.00
15,900.00	90.00	1.47	6,943.00	9,281.56	238.06	9,284.61	0.00	0.00	0.00	0.00
16,000.00	90.00	1.47	6,943.00	9,381.53	240.62	9,384.61	0.00	0.00	0.00	0.00
16,100.00	90.00	1.47	6,943.00	9,481.49	243.19	9,484.61	0.00	0.00	0.00	0.00
16,200.00	90.00	1.47	6,943.00	9,581.46	245.75	9,584.61	0.00	0.00	0.00	0.00
16,300.00	90.00	1.47	6,943.00	9,681.43	248.31	9,684.61	0.00	0.00	0.00	0.00
16,400.00	90.00	1.47	6,943.00	9,781.39	250.88	9,784.61	0.00	0.00	0.00	0.00
16,500.00	90.00	1.47	6,943.00	9,881.36	253.44	9,884.61	0.00	0.00	0.00	0.00
16,600.00	90.00	1.47	6,943.00	9,981.33	256.01	9,984.61	0.00	0.00	0.00	0.00
16,700.00	90.00	1.47	6,943.00	10,081.29	258.57	10,084.61	0.00	0.00	0.00	0.00
16,800.00	90.00	1.47	6,943.00	10,181.26	261.14	10,184.61	0.00	0.00	0.00	0.00
16,900.00	90.00	1.47	6,943.00	10,281.23	263.70	10,284.61	0.00	0.00	0.00	0.00
17,000.00	90.00	1.47	6,943.00	10,381.20	266.26	10,384.61	0.00	0.00	0.00	0.00
17,100.00	90.00	1.47	6,943.00	10,481.16	268.83	10,484.61	0.00	0.00	0.00	0.00
17,200.00	90.00	1.47	6,943.00	10,581.13	271.39	10,584.61	0.00	0.00	0.00	0.00
17,300.00	90.00	1.47	6,943.00	10,681.10	273.96	10,684.61	0.00	0.00	0.00	0.00
17,400.00	90.00	1.47	6,943.00	10,781.06	276.52	10,784.61	0.00	0.00	0.00	0.00
17,457.75	90.00	1.47	6,943.00	10,838.80	278.00	10,842.36	0.00	0.00	0.00	0.00

TD @ 17457.75' MD - Nash Unit #44H BHL

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,142.54	6,142.54	0.00	0.00	Start Build @ 6142.54' MD
6,142.54	6,142.54	0.00	0.00	Dogleg = 8.00°/100'
6,517.54	6,500.64	95.92	2.46	End Build @ 6517.54' MD
6,517.54	6,500.64	95.92	2.46	Hold Angle = 30.00° Inc.
6,697.54	6,656.52	185.89	4.77	Start Build @ 6697.54' MD
6,697.54	6,656.52	185.89	4.77	Dogleg = 10.00°/100'
7,297.54	6,943.00	681.92	17.49	End Build @ 7297.54' MD
7,297.54	6,943.00	681.93	17.49	Hold Angle = 90.00° Inc.
17,457.75	6,943.00	10,838.80	278.00	TD @ 17457.75' MD

Plan Report for Nash Unit #44H - Plan #1

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (usft)	Origin +E/-W (usft)	Start TVD (usft)
TD	No Target (Freehand)	1.47	Slot	0.00	0.00	0.00

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
0.00	17,457.75	Plan #1	MWD+SC

Formation Details

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,229.00	3,229.00	Base Castile		0.00	1.47
3,258.00	3,258.00	Bell Canyon		0.00	1.47
4,122.00	4,122.00	Cherry Canyon		0.00	1.47
5,695.00	5,695.00	Brushy Canyon		0.00	1.47
6,786.75	6,730.00	Basal Brushy Canyon		0.00	1.47
6,879.29	6,797.00	Brushy Canyon E3 zone		0.00	1.47
7,093.35	6,907.00	Brushy Canyon E5 zone		0.00	1.47
7,117.68	6,915.00	Top Target Interval		0.00	1.47
7,297.54	6,943.00	Target Line		0.00	1.47

Targets associated with this wellbore

Target Name	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Shape
Nash Unit #44H BHL	6,943.00	10,838.80	278.00	Point
Nash Unit #44H PP	6,943.00	974.80	25.00	Point

North Reference Sheet for Nash Unit - Nash Unit #44H - Wellbore #1

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to GL 3006' + KB 17' @ 3023.00usft (Pioneer 33). Northing and Easting are relative to Nash Unit #44H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 3001 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is -104.33°, Longitude Origin: 0° 0' 0.000 E°, Latitude Origin: 0° 0' 0.000 N°

False Easting: 500,000.00usft, False Northing: 0.00usft, Scale Reduction: 0.99992704

Grid Coordinates of Well: 476,985.30 usft N, 625,196.30 usft E

Geographical Coordinates of Well: 32° 18' 38.51" N, 103° 55' 41.15" W

Grid Convergence at Surface is: 0.22°

Based upon Minimum Curvature type calculations, at a Measured Depth of 17,457.75usft

the Bottom Hole Displacement is 10,842.36usft in the Direction of 1.47° (Grid).

Magnetic Convergence at surface is: -7.32° (4 March 2014, , BGGM2013)

