

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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. NMNM0556857
2. Name of Operator XTO ENERGY INCORPORATED		6. If Indian, Allottee or Tribe Name
Contact: KELLY KARDOS E-Mail: kelly_kardos@xtoenergy.com		7. If Unit or CA/Agreement, Name and/or No. 891014168X
3a. Address 6401 HOLIDAY HILL ROAD BLDG 5 MIDLAND, TX 79707	3b. Phone No. (include area code) Ph: 432-620-4374	8. Well Name and No. NASH UNIT 304H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 18 T23S R30E 470FSL 425FWL		9. API Well No. 30-015-46583-00-X1
		10. Field and Pool or Exploratory Area FORTY NINER RIDGE-BONE SPRING
		11. County or Parish, State EDDY 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
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

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. requests permission to make the following changes to the original APD:

Change the SHL from 470'FSL & 405'FWL to 470'FSL & 425'FWL. No surface disturbance.

Change the BHL from 200'FNL & 330'FWL to 50'FNL & 330'FWL.

XTO requests to not utilize centralizers in the curve and lateral.

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #501783 verified by the BLM Well Information System For XTO ENERGY INCORPORATED, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 02/04/2020 (20PP1082SE)	
Name (Printed/Typed) KELLY KARDOS	Title REGULATORY COORDINATOR
Signature (Electronic Submission)	Date 02/03/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CODY LAYTON	Title ASSIST FIELD MANAGER LANDS MINERALS	Date 02/21/2020
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 Carlsbad

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Accepted for Record 03/25/2020 - Kurt Simmons NMOCD

Revisions to Operator-Submitted EC Data for Sundry Notice #501783

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM0556857	NMNM0556857
Agreement:	NMNM70992X	891014168X (NMNM70992X)
Operator:	XTO ENERGY INC. 6401 HOLIDAY HILL RD BLDG 5 MIDLAND, TX 79707 Ph: 432-620-4374	XTO ENERGY INCORPORATED 6401 HOLIDAY HILL ROAD BLDG 5 MIDLAND, TX 79707 Ph: 432.683 2277
Admin Contact:	KELLY KARDOS REGULATORY COORDINATOR E-Mail: kelly_kardos@xtoenergy.com Ph: 432-620-4374	KELLY KARDOS REGULATORY COORDINATOR E-Mail: kelly_kardos@xtoenergy.com Ph: 432-620-4374
Tech Contact:	KELLY KARDOS REGULATORY COORDINATOR E-Mail: kelly_kardos@xtoenergy.com Ph: 432-620-4374	KELLY KARDOS REGULATORY COORDINATOR E-Mail: kelly_kardos@xtoenergy.com Ph: 432-620-4374
Location: State: County:	NM EDDY	NM EDDY
Field/Pool:	FORTY NINER RIDGE BONE SP	FORTY NINER RIDGE-BONE SPRING
Well/Facility:	NASH UNIT 304H Sec 18 T23S R30E Mer NMP SWSW 470FSL 405FWL	NASH UNIT 304H Sec 18 T23S R30E 470FSL 405FWL 32.299030 N Lat, 103.928345 W Lon

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 334-6170
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, 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 30-015	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name NASH UNIT	⁶ Well Number 304H
⁷ OGRID No. 005380	⁸ Operator Name XTO ENERGY, INC.	⁹ Elevation 3,019'

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
L4	18	23 S	30 E		470	SOUTH	425	WEST	EDDY

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
L4	6	23 S	30 E		50	NORTH	330	WEST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ SEC. 36 T22S R29E LOT 4 SEC. 31 T22S R30E SEC. 32 SEC. 1 SEC. 12 SEC. 13 SEC. 24 SEC. 6 SEC. 7 SEC. 18 SEC. 19 SEC. 20 B.H.L. L.T.P. GRID AZ.=359°44'20" HORIZ. DIST.=15,777.34' LOT 4 LOT 3 LOT 2 LOT 1 LOT 5 LOT 6 LOT 7 LOT 1 LOT 2 LOT 3 LOT 4 LOT 1 LOT 2 LOT 3 LOT 4 LOT 1 LOT 2 LOT 3 LOT 4 LOT 1 LOT 2 LOT 3 LOT 4 LOT ACREAGE TABLE SEC. 31 LOT 4 - 40.91 ACRES SEC. 6 LOT 1 - 40.35 ACRES LOT 2 - 40.25 ACRES LOT 3 - 40.15 ACRES LOT 4 - 40.74 ACRES LOT 5 - 40.65 ACRES LOT 6 - 40.42 ACRES LOT 7 - 40.20 ACRES SEC. 7 LOT 1 - 40.15 ACRES LOT 2 - 40.13 ACRES LOT 3 - 40.11 ACRES LOT 4 - 40.09 ACRES SEC. 18 LOT 1 - 40.17 ACRES LOT 2 - 40.20 ACRES LOT 3 - 40.22 ACRES LOT 4 - 40.25 ACRES SEC. 19 LOT 1 - 40.25 ACRES LOT 2 - 40.21 ACRES	SHL (NAD83 NME) Y = 472,756.7 X = 666,491.2 LAT. = 32.299032 °N LONG. = 103.928278 °W FTP (NAD83 NME) Y = 472,386.5 X = 666,397.7 LAT. = 32.298015 °N LONG. = 103.928585 °W CORNER COORDINATES (NAD83 NME) A - Y = 472,285.7 N B - Y = 472,288.6 N C - Y = 474,939.3 N D - Y = 474,941.7 N E - Y = 477,594.7 N F - Y = 477,595.8 N G - Y = 480,252.8 N H - Y = 480,252.5 N I - Y = 482,908.2 N J - Y = 482,907.2 N K - Y = 485,559.6 N L - Y = 485,558.9 N M - Y = 488,213.2 N N - Y = 488,215.0 N SHL (NAD27 NME) Y = 472,696.6 X = 625,308.7 LAT. = 32.298908 °N LONG. = 103.927785 °W FTP (NAD27 NME) Y = 472,326.3 X = 625,215.1 LAT. = 32.297891 °N LONG. = 103.928093 °W CORNER COORDINATES (NAD27 NME) A - Y = 472,225.6 N B - Y = 472,228.5 N C - Y = 474,879.1 N D - Y = 474,881.5 N E - Y = 477,534.5 N F - Y = 477,535.6 N G - Y = 480,192.5 N H - Y = 480,192.3 N I - Y = 482,847.8 N J - Y = 482,846.9 N K - Y = 485,499.3 N L - Y = 485,498.5 N M - Y = 488,152.8 N N - Y = 488,154.6 N LTP (NAD83 NME) Y = 488,113.6 X = 666,326.0 LAT. = 32.341247 °N LONG. = 103.928624 °W BHL (NAD83 NME) Y = 488,163.6 X = 666,325.8 LAT. = 32.341384 °N LONG. = 103.928625 °W LTP (NAD27 NME) Y = 488,053.2 X = 625,144.0 LAT. = 32.341123 °N LONG. = 103.928130 °W BHL (NAD27 NME) Y = 488,103.2 X = 625,143.7 LAT. = 32.341261 °N LONG. = 103.928131 °W CORNER COORDINATES (NAD27 NME) A - Y = 624,885.5 E B - Y = 626,232.8 E C - Y = 624,874.7 E D - Y = 626,219.6 E E - Y = 624,864.9 E F - Y = 626,206.8 E G - Y = 624,852.7 E H - Y = 626,194.3 E I - Y = 624,839.7 E J - Y = 626,181.4 E K - Y = 624,827.0 E L - Y = 626,183.3 E M - Y = 624,813.5 E N - Y = 626,184.7 E	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. Kelly Kardos Signature Date Printed Name E-mail Address	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 1-2-2020 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number JC 2019123816
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Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number



XTO Energy

Eddy County, NM (Nad-27 / East Zone)

Nash Unit

#304H

Wellbore #1

Plan: Plan #2

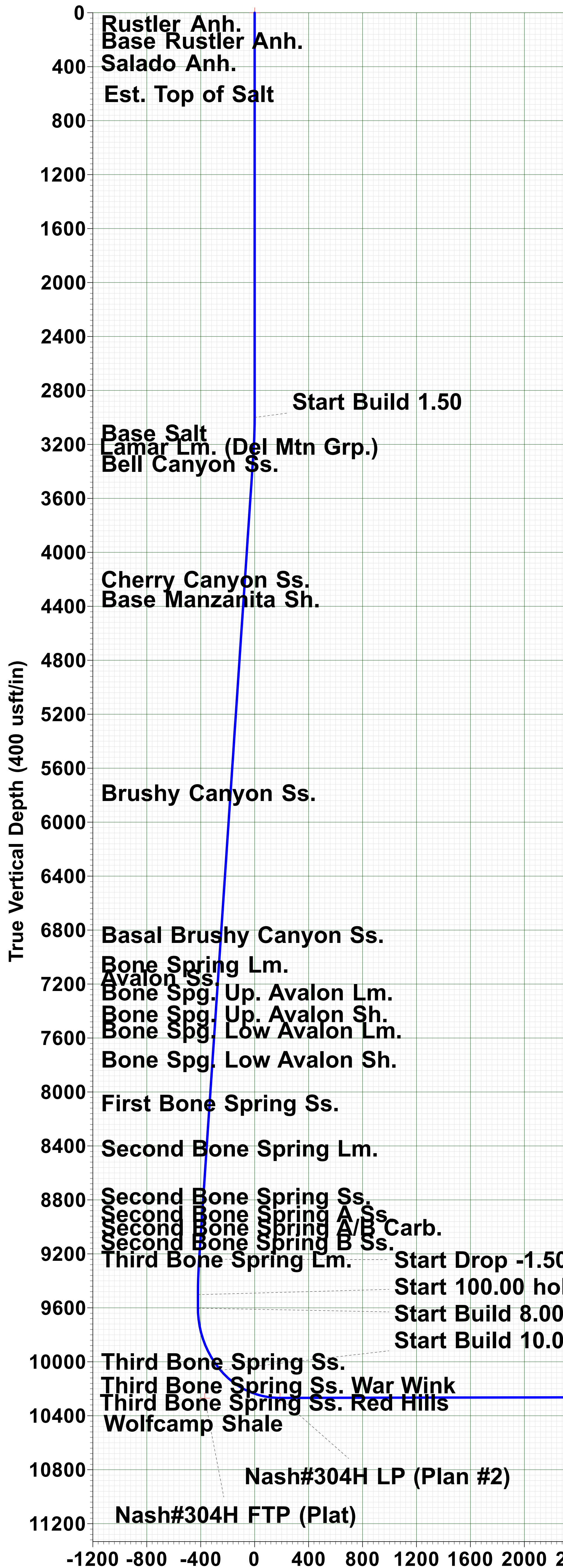
Standard Planning Report

27 January, 2020





Company: XTO Energy
Project: Eddy County, NM (Nad-27 / East Zone)
Site: Nash Unit
Well: #304H
Wellbore: Wellbore #1
Rig: PATT-225
Design: Plan #2 / 12:25, January 27 2020



WELL DETAILS: #304H

RKB = 26' @ 3045.00usft (PATT-225)
3019.00

	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
	0.00	0.00	472696.60	625308.70	32.298908	-103.927785

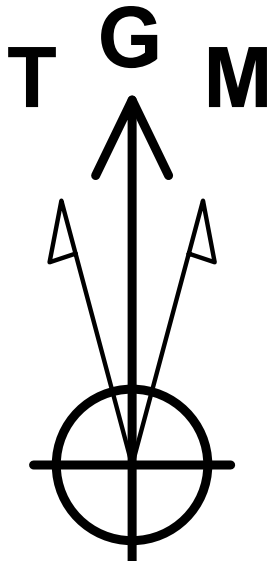
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	Vsect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00
3	3263.42	3.95	192.49	3263.22	-8.87	-1.96	1.50	-8.86
4	9254.02	3.95	192.49	9239.57	-411.91	-91.21	0.00	-411.49
5	9517.44	0.00	359.74	9502.78	-420.78	-93.18	1.50	-420.35
6	9617.44	0.00	359.74	9602.78	-420.78	-93.18	0.00	-420.35
7	10117.44	40.00	359.74	10063.14	-253.22	-93.94	8.00	-252.79
8	10618.54	90.11	359.74	10267.81	186.78	-95.93	10.00	187.22
9	25838.54	90.11	359.74	10238.59	15406.60	-165.00	0.00	15407.19

CORRECTION REFERENCE DATA:

To convert a Magnetic Direction to a Grid Direction, Add 6.628°
To convert a True Direction to a Grid Direction, Subtract 0.217°
To convert a Magnetic Direction to a True Direction, Add 6.844° East

Magnetic Declination: 6.844°
Grid Convergence: 0.217° West
Magnetic Dip Angle: 60.042°
Magnetic Field Strength: 47681.01431899nT



Azimuths to Grid North
True North: -0.22°
Magnetic North: 6.63°

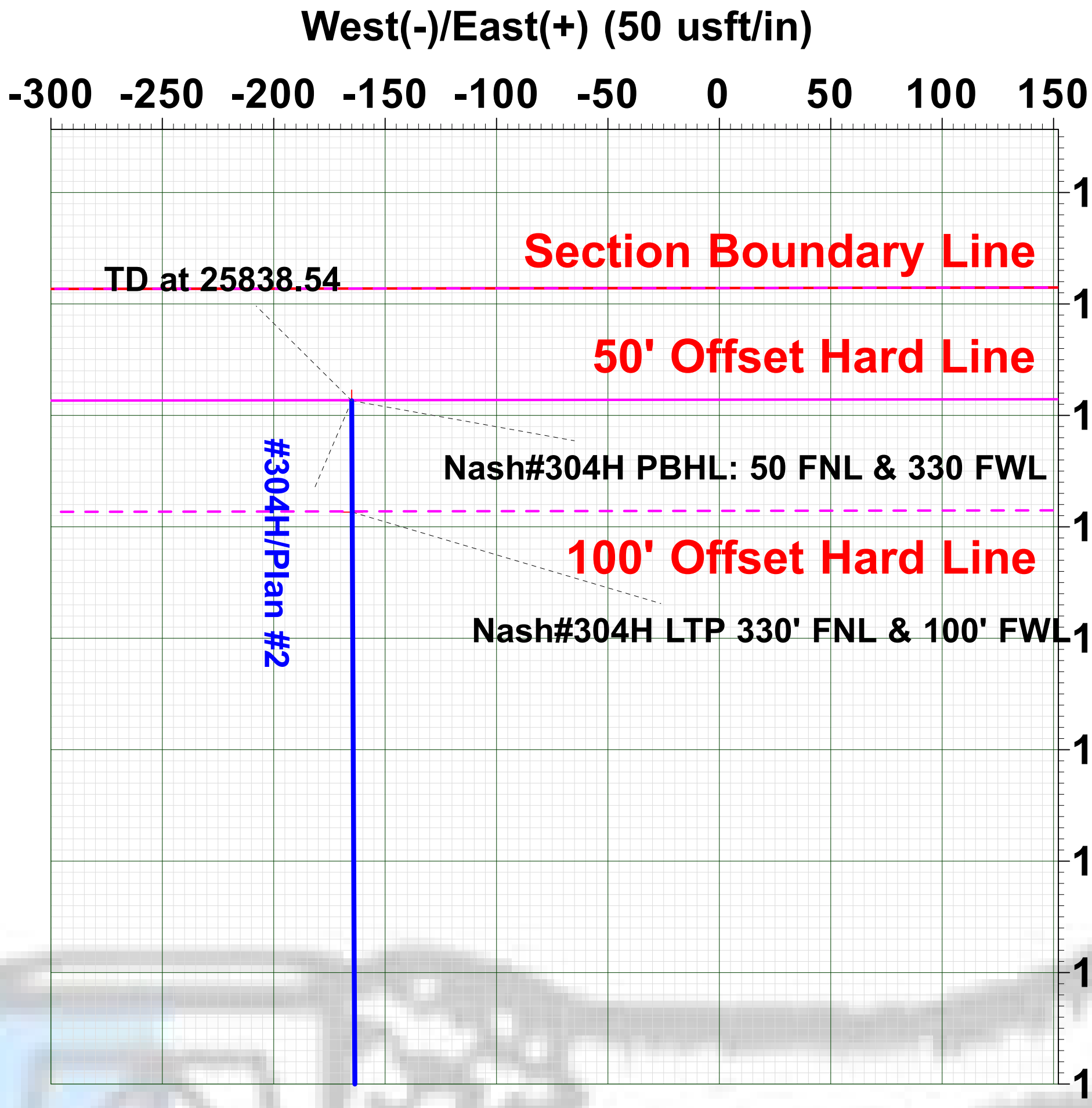
Magnetic Field
Strength: 47681.0nsT
Dip Angle: 60.04°
Date: 01/21/2020
Model: IGRF2015

PROJECT DETAILS: Eddy County, NM (Nad-27 / East Zone)

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

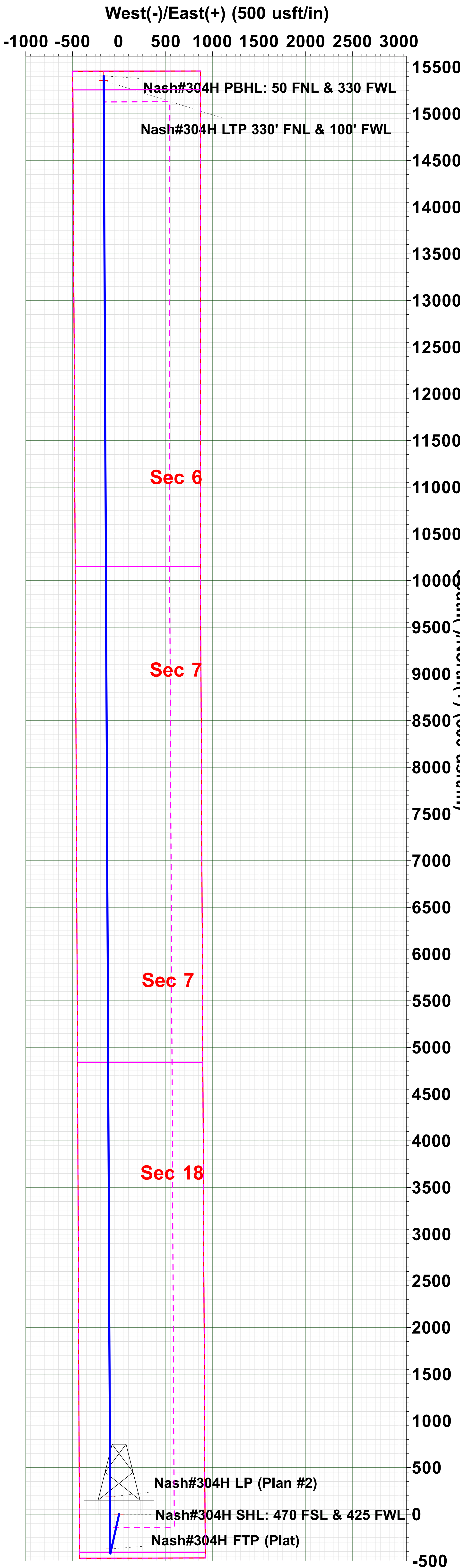
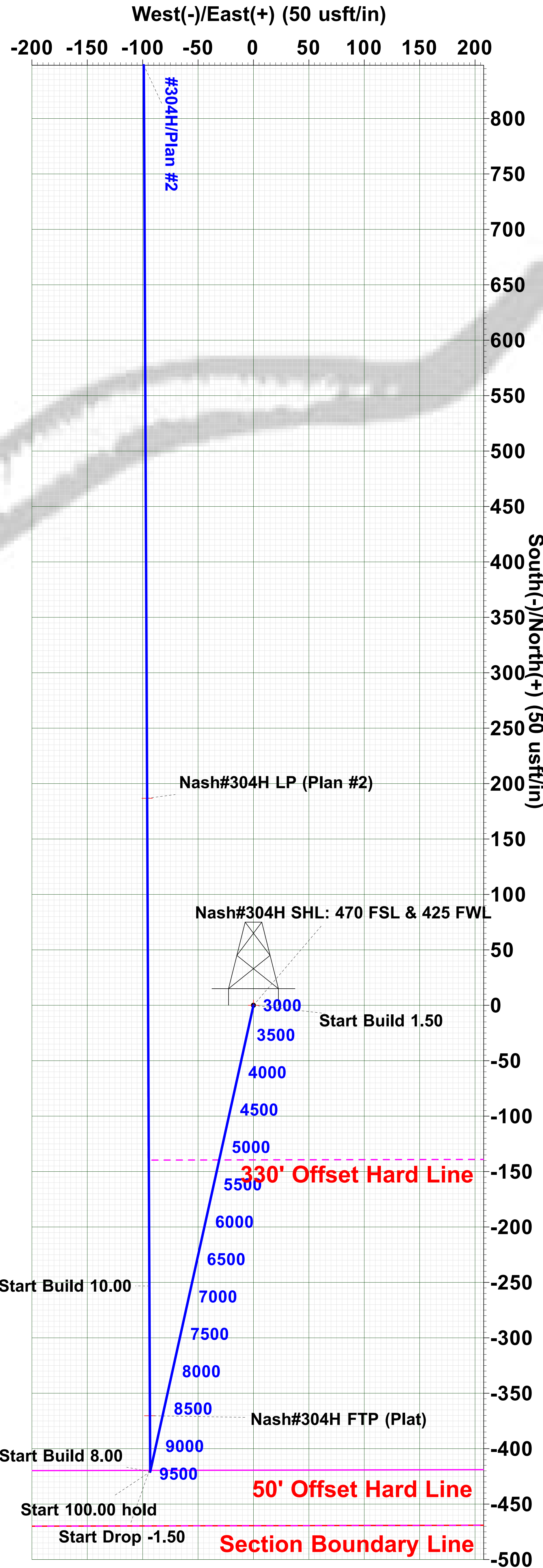
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Nash#304H SHL: 470 FSL & 425 FWL	1.00	0.00	0.00	472696.60	625308.70	32.298908	-103.927785
Nash#304H PBHL: 50 FNL & 330 FWL	10238.59	15406.60	-165.00	488103.20	625143.70	32.341261	-103.928131
Nash#304H LTP 330' FNL & 100' FWL	10238.69	15356.60	-164.70	488053.20	625144.00	32.341123	-103.928130
Nash#304H LP (Plan #2)	10267.81	186.78	-95.93	472883.38	625212.77	32.299422	-103.928093
Nash#304H FTP (Plat)	10270.00	-370.30	-93.60	472326.30	625215.10	32.297891	-103.928093



FORMATION TOP DETAILS

TVDPath	Formation
23.00	Rustler Anh.
149.00	Base Rustler Anh.
235.00	Salado Anh.
351.00	Est. Top of Salt
3058.00	Base Salt
3263.00	Lamar Lm. (Del Mtn Grp.)
3285.00	Bell Canyon Ss.
4143.00	Cherry Canyon Ss.
4289.00	Base Manzanita Sh.
5725.00	Brushy Canyon Ss.
6777.00	Basal Brushy Canyon Ss.
7009.00	Bone Spring Lm.
7126.00	Avalon Ss.
7203.00	Bone Spg. Up. Avalon Lm.
7364.00	Bone Spg. Up. Avalon Sh.
7485.00	Bone Spg. Low Avalon Lm.
7701.00	Bone Spg. Low Avalon Sh.
8025.00	First Bone Spring Ss.
8360.00	Second Bone Spring Lm.
8847.00	Second Bone Spring Ss.
8880.00	Second Bone Spring A Ss.
8946.00	Second Bone Spring A/B Carb.
9027.00	Second Bone Spring B Ss.
9182.00	Third Bone Spring Lm.
9941.00	Third Bone Spring Ss.
10150.00	Third Bone Spring Ss. War Wink
10246.00	Third Bone Spring Ss. Red Hills



Disclaimer:
All Plan Details, boundary
lines and offset well
location/ survey data is
provided by customer and
subject to customer
approval.



Planning Report



Database:	WBDS_SQL_2	Local Co-ordinate Reference:	Well #304H
Company:	XTO Energy	TVD Reference:	RKB = 26' @ 3045.00usft (PATT-225)
Project:	Eddy County, NM (Nad-27 / East Zone)	MD Reference:	RKB = 26' @ 3045.00usft (PATT-225)
Site:	Nash Unit	North Reference:	Grid
Well:	#304H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2		

Project	Eddy County, NM (Nad-27 / East Zone)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Nash Unit				
Site Position:		Northing:	471,623.70 usft	Latitude:	32.295927
From:	Map	Easting:	628,345.40 usft	Longitude:	-103.917971
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.222 °

Well	#304H					
Well Position	+N/-S	1,072.90 usft	Northing:	472,696.60 usft	Latitude:	32.298908
	+E/-W	-3,036.70 usft	Easting:	625,308.70 usft	Longitude:	-103.927785
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,019.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	01/21/20	6.844	60.042	47,681.01431899

Design	Plan #2			
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	359.74

Plan Survey Tool Program	Date	01/27/20		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	25,837.94	Plan #2 (Wellbore #1)	WBDS_IGRF
				OWSG MWD + IGRF or WM

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.000	
3,263.42	3.95	192.49	3,263.22	-8.87	-1.96	1.50	1.50	0.00	192.486	
9,254.02	3.95	192.49	9,239.57	-411.91	-91.21	0.00	0.00	0.00	0.000	
9,517.44	0.00	359.74	9,502.78	-420.78	-93.18	1.50	-1.50	0.00	180.000	
9,617.44	0.00	359.74	9,602.78	-420.78	-93.18	0.00	0.00	0.00	0.000	
10,117.44	40.00	359.74	10,063.14	-253.22	-93.94	8.00	8.00	0.00	0.000	
10,618.54	90.11	359.74	10,267.81	186.78	-95.93	10.00	10.00	0.00	0.000	
25,838.54	90.11	359.74	10,238.59	15,406.60	-165.00	0.00	0.00	0.00	0.000	Nash#304H PBHL:



Planning Report



Database:	WBDS_SQL_2	Local Co-ordinate Reference:	Well #304H
Company:	XTO Energy	TVD Reference:	RKB = 26' @ 3045.00usft (PATT-225)
Project:	Eddy County, NM (Nad-27 / East Zone)	MD Reference:	RKB = 26' @ 3045.00usft (PATT-225)
Site:	Nash Unit	North Reference:	Grid
Well:	#304H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.00	0.00	0.00	23.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler Anh.									
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
149.00	0.00	0.00	149.00	0.00	0.00	0.00	0.00	0.00	0.00
Base Rustler Anh.									
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
235.00	0.00	0.00	235.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado Anh.									
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
351.00	0.00	0.00	351.00	0.00	0.00	0.00	0.00	0.00	0.00
Est. Top of Salt									
400.00	0.00	0.00	400.00	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
600.00	0.00	0.00	600.00	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
800.00	0.00	0.00	800.00	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
1,000.00	0.00	0.00	1,000.00	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
1,200.00	0.00	0.00	1,200.00	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
1,400.00	0.00	0.00	1,400.00	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
1,600.00	0.00	0.00	1,600.00	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
1,800.00	0.00	0.00	1,800.00	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
2,000.00	0.00	0.00	2,000.00	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
2,200.00	0.00	0.00	2,200.00	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
2,400.00	0.00	0.00	2,400.00	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
2,600.00	0.00	0.00	2,600.00	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
2,800.00	0.00	0.00	2,800.00	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
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,058.00	0.87	192.49	3,058.00	-0.43	-0.10	-0.43	1.50	1.50	0.00
Base Salt									
3,100.00	1.50	192.49	3,099.99	-1.28	-0.28	-1.28	1.50	1.50	0.00
3,200.00	3.00	192.49	3,199.91	-5.11	-1.13	-5.11	1.50	1.50	0.00
3,263.21	3.95	192.49	3,263.00	-8.85	-1.96	-8.84	1.50	1.50	0.00
Lamar Lm. (Del Mtn Grp.)									
3,263.42	3.95	192.49	3,263.22	-8.87	-1.96	-8.86	1.50	1.50	0.00
3,285.26	3.95	192.49	3,285.00	-10.33	-2.29	-10.32	0.00	0.00	0.00
Bell Canyon Ss.									
3,300.00	3.95	192.49	3,299.70	-11.33	-2.51	-11.31	0.00	0.00	0.00
3,400.00	3.95	192.49	3,399.47	-18.05	-4.00	-18.04	0.00	0.00	0.00
3,500.00	3.95	192.49	3,499.23	-24.78	-5.49	-24.76	0.00	0.00	0.00
3,600.00	3.95	192.49	3,598.99	-31.51	-6.98	-31.48	0.00	0.00	0.00
3,700.00	3.95	192.49	3,698.75	-38.24	-8.47	-38.20	0.00	0.00	0.00



Planning Report



Database:	WBDS_SQL_2	Local Co-ordinate Reference:	Well #304H
Company:	XTO Energy	TVD Reference:	RKB = 26' @ 3045.00usft (PATT-225)
Project:	Eddy County, NM (Nad-27 / East Zone)	MD Reference:	RKB = 26' @ 3045.00usft (PATT-225)
Site:	Nash Unit	North Reference:	Grid
Well:	#304H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,800.00	3.95	192.49	3,798.52	-44.97	-9.96	-44.92	0.00	0.00	0.00
3,900.00	3.95	192.49	3,898.28	-51.69	-11.45	-51.64	0.00	0.00	0.00
4,000.00	3.95	192.49	3,998.04	-58.42	-12.94	-58.36	0.00	0.00	0.00
4,100.00	3.95	192.49	4,097.80	-65.15	-14.43	-65.08	0.00	0.00	0.00
4,145.31	3.95	192.49	4,143.00	-68.20	-15.10	-68.13	0.00	0.00	0.00
Cherry Canyon Ss.									
4,200.00	3.95	192.49	4,197.56	-71.88	-15.92	-71.80	0.00	0.00	0.00
4,291.65	3.95	192.49	4,289.00	-78.04	-17.28	-77.97	0.00	0.00	0.00
Base Manzanita Sh.									
4,300.00	3.95	192.49	4,297.33	-78.61	-17.41	-78.53	0.00	0.00	0.00
4,400.00	3.95	192.49	4,397.09	-85.33	-18.90	-85.25	0.00	0.00	0.00
4,500.00	3.95	192.49	4,496.85	-92.06	-20.39	-91.97	0.00	0.00	0.00
4,600.00	3.95	192.49	4,596.61	-98.79	-21.88	-98.69	0.00	0.00	0.00
4,700.00	3.95	192.49	4,696.38	-105.52	-23.37	-105.41	0.00	0.00	0.00
4,800.00	3.95	192.49	4,796.14	-112.25	-24.86	-112.13	0.00	0.00	0.00
4,900.00	3.95	192.49	4,895.90	-118.97	-26.35	-118.85	0.00	0.00	0.00
5,000.00	3.95	192.49	4,995.66	-125.70	-27.84	-125.57	0.00	0.00	0.00
5,100.00	3.95	192.49	5,095.43	-132.43	-29.33	-132.30	0.00	0.00	0.00
5,200.00	3.95	192.49	5,195.19	-139.16	-30.82	-139.02	0.00	0.00	0.00
5,300.00	3.95	192.49	5,294.95	-145.89	-32.31	-145.74	0.00	0.00	0.00
5,400.00	3.95	192.49	5,394.71	-152.61	-33.79	-152.46	0.00	0.00	0.00
5,500.00	3.95	192.49	5,494.47	-159.34	-35.28	-159.18	0.00	0.00	0.00
5,600.00	3.95	192.49	5,594.24	-166.07	-36.77	-165.90	0.00	0.00	0.00
5,700.00	3.95	192.49	5,694.00	-172.80	-38.26	-172.62	0.00	0.00	0.00
5,731.07	3.95	192.49	5,725.00	-174.89	-38.73	-174.71	0.00	0.00	0.00
Brushy Canyon Ss.									
5,800.00	3.95	192.49	5,793.76	-179.53	-39.75	-179.34	0.00	0.00	0.00
5,900.00	3.95	192.49	5,893.52	-186.25	-41.24	-186.06	0.00	0.00	0.00
6,000.00	3.95	192.49	5,993.29	-192.98	-42.73	-192.79	0.00	0.00	0.00
6,100.00	3.95	192.49	6,093.05	-199.71	-44.22	-199.51	0.00	0.00	0.00
6,200.00	3.95	192.49	6,192.81	-206.44	-45.71	-206.23	0.00	0.00	0.00
6,300.00	3.95	192.49	6,292.57	-213.17	-47.20	-212.95	0.00	0.00	0.00
6,400.00	3.95	192.49	6,392.34	-219.89	-48.69	-219.67	0.00	0.00	0.00
6,500.00	3.95	192.49	6,492.10	-226.62	-50.18	-226.39	0.00	0.00	0.00
6,600.00	3.95	192.49	6,591.86	-233.35	-51.67	-233.11	0.00	0.00	0.00
6,700.00	3.95	192.49	6,691.62	-240.08	-53.16	-239.83	0.00	0.00	0.00
6,785.58	3.95	192.49	6,777.00	-245.84	-54.44	-245.59	0.00	0.00	0.00
Basal Brushy Canyon Ss.									
6,800.00	3.95	192.49	6,791.38	-246.81	-54.65	-246.56	0.00	0.00	0.00
6,900.00	3.95	192.49	6,891.15	-253.53	-56.14	-253.28	0.00	0.00	0.00
7,000.00	3.95	192.49	6,990.91	-260.26	-57.63	-260.00	0.00	0.00	0.00
7,018.13	3.95	192.49	7,009.00	-261.48	-57.90	-261.22	0.00	0.00	0.00
Bone Spring Lm.									
7,100.00	3.95	192.49	7,090.67	-266.99	-59.12	-266.72	0.00	0.00	0.00
7,135.41	3.95	192.49	7,126.00	-269.37	-59.65	-269.10	0.00	0.00	0.00
Avalon Ss.									
7,200.00	3.95	192.49	7,190.43	-273.72	-60.61	-273.44	0.00	0.00	0.00
7,212.60	3.95	192.49	7,203.00	-274.57	-60.80	-274.29	0.00	0.00	0.00
Bone Spg. Up. Avalon Lm.									
7,300.00	3.95	192.49	7,290.20	-280.45	-62.10	-280.16	0.00	0.00	0.00
7,373.98	3.95	192.49	7,364.00	-285.42	-63.20	-285.13	0.00	0.00	0.00
Bone Spg. Up. Avalon Sh.									
7,400.00	3.95	192.49	7,389.96	-287.17	-63.59	-286.88	0.00	0.00	0.00



Planning Report



Database: WBDS_SQL_2
Company: XTO Energy
Project: Eddy County, NM (Nad-27 / East Zone)
Site: Nash Unit
Well: #304H
Wellbore: Wellbore #1
Design: Plan #2

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

Well #304H
RKB = 26' @ 3045.00usft (PATT-225)
RKB = 26' @ 3045.00usft (PATT-225)
Grid
Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,495.27	3.95	192.49	7,485.00	-293.58	-65.01	-293.29	0.00	0.00	0.00
Bone Spg. Low Avalon Lm.									
7,500.00	3.95	192.49	7,489.72	-293.90	-65.08	-293.60	0.00	0.00	0.00
7,600.00	3.95	192.49	7,589.48	-300.63	-66.57	-300.32	0.00	0.00	0.00
7,700.00	3.95	192.49	7,689.25	-307.36	-68.06	-307.05	0.00	0.00	0.00
7,711.78	3.95	192.49	7,701.00	-308.15	-68.24	-307.84	0.00	0.00	0.00
Bone Spg. Low Avalon Sh.									
7,800.00	3.95	192.49	7,789.01	-314.09	-69.55	-313.77	0.00	0.00	0.00
7,900.00	3.95	192.49	7,888.77	-320.81	-71.04	-320.49	0.00	0.00	0.00
8,000.00	3.95	192.49	7,988.53	-327.54	-72.53	-327.21	0.00	0.00	0.00
8,036.56	3.95	192.49	8,025.00	-330.00	-73.08	-329.67	0.00	0.00	0.00
First Bone Spring Ss.									
8,100.00	3.95	192.49	8,088.29	-334.27	-74.02	-333.93	0.00	0.00	0.00
8,200.00	3.95	192.49	8,188.06	-341.00	-75.51	-340.65	0.00	0.00	0.00
8,300.00	3.95	192.49	8,287.82	-347.73	-77.00	-347.37	0.00	0.00	0.00
8,372.35	3.95	192.49	8,360.00	-352.59	-78.08	-352.24	0.00	0.00	0.00
Second Bone Spring Lm.									
8,400.00	3.95	192.49	8,387.58	-354.45	-78.49	-354.09	0.00	0.00	0.00
8,500.00	3.95	192.49	8,487.34	-361.18	-79.98	-360.82	0.00	0.00	0.00
8,600.00	3.95	192.49	8,587.11	-367.91	-81.47	-367.54	0.00	0.00	0.00
8,700.00	3.95	192.49	8,686.87	-374.64	-82.96	-374.26	0.00	0.00	0.00
8,800.00	3.95	192.49	8,786.63	-381.37	-84.45	-380.98	0.00	0.00	0.00
8,860.51	3.95	192.49	8,847.00	-385.44	-85.35	-385.05	0.00	0.00	0.00
Second Bone Spring Ss.									
8,893.59	3.95	192.49	8,880.00	-387.66	-85.84	-387.27	0.00	0.00	0.00
Second Bone Spring A Ss.									
8,900.00	3.95	192.49	8,886.39	-388.09	-85.94	-387.70	0.00	0.00	0.00
8,959.75	3.95	192.49	8,946.00	-392.11	-86.83	-391.72	0.00	0.00	0.00
Second Bone Spring A/B Carb.									
9,000.00	3.95	192.49	8,986.15	-394.82	-87.43	-394.42	0.00	0.00	0.00
9,040.94	3.95	192.49	9,027.00	-397.58	-88.04	-397.17	0.00	0.00	0.00
Second Bone Spring B Ss.									
9,100.00	3.95	192.49	9,085.92	-401.55	-88.92	-401.14	0.00	0.00	0.00
9,196.31	3.95	192.49	9,182.00	-408.03	-90.35	-407.62	0.00	0.00	0.00
Third Bone Spring Lm.									
9,200.00	3.95	192.49	9,185.68	-408.28	-90.41	-407.86	0.00	0.00	0.00
9,254.02	3.95	192.49	9,239.57	-411.91	-91.21	-411.49	0.00	0.00	0.00
9,300.00	3.26	192.49	9,285.46	-414.74	-91.84	-414.32	1.50	-1.50	0.00
9,400.00	1.76	192.49	9,385.36	-419.01	-92.79	-418.59	1.50	-1.50	0.00
9,500.00	0.26	192.49	9,485.34	-420.74	-93.17	-420.31	1.50	-1.50	0.00
9,517.44	0.00	359.74	9,502.78	-420.78	-93.18	-420.35	1.50	-1.50	0.00
9,600.00	0.00	0.00	9,585.34	-420.78	-93.18	-420.35	0.00	0.00	0.00
9,617.44	0.00	359.74	9,602.78	-420.78	-93.18	-420.35	0.00	0.00	0.00
9,650.00	2.60	359.74	9,635.33	-420.04	-93.18	-419.61	8.00	8.00	0.00
9,700.00	6.60	359.74	9,685.16	-416.02	-93.20	-415.60	8.00	8.00	0.00
9,750.00	10.60	359.74	9,734.59	-408.54	-93.23	-408.12	8.00	8.00	0.00
9,800.00	14.60	359.74	9,783.37	-397.64	-93.28	-397.21	8.00	8.00	0.00
9,850.00	18.60	359.74	9,831.28	-383.35	-93.35	-382.92	8.00	8.00	0.00
9,900.00	22.60	359.74	9,878.07	-365.76	-93.43	-365.33	8.00	8.00	0.00
9,950.00	26.60	359.74	9,923.52	-344.94	-93.52	-344.52	8.00	8.00	0.00
9,969.69	28.18	359.74	9,941.00	-335.89	-93.56	-335.46	8.00	8.00	0.00
Third Bone Spring Ss.									
10,000.00	30.60	359.74	9,967.41	-321.01	-93.63	-320.58	8.00	8.00	0.00



Planning Report



Database:	WBDS_SQL_2	Local Co-ordinate Reference:	Well #304H
Company:	XTO Energy	TVD Reference:	RKB = 26' @ 3045.00usft (PATT-225)
Project:	Eddy County, NM (Nad-27 / East Zone)	MD Reference:	RKB = 26' @ 3045.00usft (PATT-225)
Site:	Nash Unit	North Reference:	Grid
Well:	#304H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,050.00	34.60	359.74	10,009.52	-294.08	-93.75	-293.65	8.00	8.00	0.00
10,100.00	38.60	359.74	10,049.65	-264.27	-93.89	-263.84	8.00	8.00	0.00
10,117.44	40.00	359.74	10,063.14	-253.22	-93.94	-252.79	8.00	8.00	0.00
10,150.00	43.26	359.74	10,087.48	-231.59	-94.04	-231.17	10.00	10.00	0.00
10,200.00	48.26	359.74	10,122.35	-195.79	-94.20	-195.36	10.00	10.00	0.00
10,243.41	52.60	359.74	10,150.00	-162.34	-94.35	-161.91	10.00	10.00	0.00
Third Bone Spring Ss. War Wink									
10,250.00	53.26	359.74	10,153.98	-157.08	-94.37	-156.65	10.00	10.00	0.00
10,300.00	58.26	359.74	10,182.10	-115.76	-94.56	-115.33	10.00	10.00	0.00
10,350.00	63.26	359.74	10,206.52	-72.14	-94.76	-71.71	10.00	10.00	0.00
10,400.00	68.26	359.74	10,227.05	-26.57	-94.97	-26.14	10.00	10.00	0.00
10,450.00	73.26	359.74	10,243.52	20.62	-95.18	21.05	10.00	10.00	0.00
10,458.84	74.14	359.74	10,246.00	29.10	-95.22	29.54	10.00	10.00	0.00
Third Bone Spring Ss. Red Hills									
10,500.00	78.26	359.74	10,255.82	69.07	-95.40	69.50	10.00	10.00	0.00
10,550.00	83.26	359.74	10,263.85	118.40	-95.62	118.84	10.00	10.00	0.00
10,600.00	88.26	359.74	10,267.55	168.25	-95.85	168.68	10.00	10.00	0.00
10,618.54	90.11	359.74	10,267.81	186.78	-95.93	187.22	10.00	10.00	0.00
10,700.00	90.11	359.74	10,267.65	268.25	-96.30	268.68	0.00	0.00	0.00
10,800.00	90.11	359.74	10,267.46	368.24	-96.76	368.68	0.00	0.00	0.00
10,900.00	90.11	359.74	10,267.27	468.24	-97.21	468.68	0.00	0.00	0.00
11,000.00	90.11	359.74	10,267.08	568.24	-97.67	568.68	0.00	0.00	0.00
11,100.00	90.11	359.74	10,266.89	668.24	-98.12	668.68	0.00	0.00	0.00
11,200.00	90.11	359.74	10,266.69	768.24	-98.57	768.68	0.00	0.00	0.00
11,300.00	90.11	359.74	10,266.50	868.24	-99.03	868.68	0.00	0.00	0.00
11,400.00	90.11	359.74	10,266.31	968.24	-99.48	968.68	0.00	0.00	0.00
11,500.00	90.11	359.74	10,266.12	1,068.24	-99.93	1,068.68	0.00	0.00	0.00
11,600.00	90.11	359.74	10,265.93	1,168.23	-100.39	1,168.68	0.00	0.00	0.00
11,700.00	90.11	359.74	10,265.73	1,268.23	-100.84	1,268.68	0.00	0.00	0.00
11,800.00	90.11	359.74	10,265.54	1,368.23	-101.30	1,368.68	0.00	0.00	0.00
11,900.00	90.11	359.74	10,265.35	1,468.23	-101.75	1,468.68	0.00	0.00	0.00
12,000.00	90.11	359.74	10,265.16	1,568.23	-102.20	1,568.68	0.00	0.00	0.00
12,100.00	90.11	359.74	10,264.97	1,668.23	-102.66	1,668.68	0.00	0.00	0.00
12,200.00	90.11	359.74	10,264.77	1,768.23	-103.11	1,768.68	0.00	0.00	0.00
12,300.00	90.11	359.74	10,264.58	1,868.23	-103.56	1,868.68	0.00	0.00	0.00
12,400.00	90.11	359.74	10,264.39	1,968.23	-104.02	1,968.68	0.00	0.00	0.00
12,500.00	90.11	359.74	10,264.20	2,068.22	-104.47	2,068.68	0.00	0.00	0.00
12,600.00	90.11	359.74	10,264.01	2,168.22	-104.93	2,168.68	0.00	0.00	0.00
12,700.00	90.11	359.74	10,263.81	2,268.22	-105.38	2,268.68	0.00	0.00	0.00
12,800.00	90.11	359.74	10,263.62	2,368.22	-105.83	2,368.68	0.00	0.00	0.00
12,900.00	90.11	359.74	10,263.43	2,468.22	-106.29	2,468.68	0.00	0.00	0.00
13,000.00	90.11	359.74	10,263.24	2,568.22	-106.74	2,568.68	0.00	0.00	0.00
13,100.00	90.11	359.74	10,263.05	2,668.22	-107.19	2,668.68	0.00	0.00	0.00
13,200.00	90.11	359.74	10,262.85	2,768.22	-107.65	2,768.68	0.00	0.00	0.00
13,300.00	90.11	359.74	10,262.66	2,868.21	-108.10	2,868.68	0.00	0.00	0.00
13,400.00	90.11	359.74	10,262.47	2,968.21	-108.56	2,968.67	0.00	0.00	0.00
13,500.00	90.11	359.74	10,262.28	3,068.21	-109.01	3,068.67	0.00	0.00	0.00
13,600.00	90.11	359.74	10,262.09	3,168.21	-109.46	3,168.67	0.00	0.00	0.00
13,700.00	90.11	359.74	10,261.89	3,268.21	-109.92	3,268.67	0.00	0.00	0.00
13,800.00	90.11	359.74	10,261.70	3,368.21	-110.37	3,368.67	0.00	0.00	0.00
13,900.00	90.11	359.74	10,261.51	3,468.21	-110.82	3,468.67	0.00	0.00	0.00
14,000.00	90.11	359.74	10,261.32	3,568.21	-111.28	3,568.67	0.00	0.00	0.00
14,100.00	90.11	359.74	10,261.13	3,668.20	-111.73	3,668.67	0.00	0.00	0.00



Planning Report



Database:	WBDS_SQL_2	Local Co-ordinate Reference:	Well #304H
Company:	XTO Energy	TVD Reference:	RKB = 26' @ 3045.00usft (PATT-225)
Project:	Eddy County, NM (Nad-27 / East Zone)	MD Reference:	RKB = 26' @ 3045.00usft (PATT-225)
Site:	Nash Unit	North Reference:	Grid
Well:	#304H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
14,200.00	90.11	359.74	10,260.93	3,768.20	-112.19	3,768.67	0.00	0.00	0.00
14,300.00	90.11	359.74	10,260.74	3,868.20	-112.64	3,868.67	0.00	0.00	0.00
14,400.00	90.11	359.74	10,260.55	3,968.20	-113.09	3,968.67	0.00	0.00	0.00
14,500.00	90.11	359.74	10,260.36	4,068.20	-113.55	4,068.67	0.00	0.00	0.00
14,600.00	90.11	359.74	10,260.17	4,168.20	-114.00	4,168.67	0.00	0.00	0.00
14,700.00	90.11	359.74	10,259.97	4,268.20	-114.46	4,268.67	0.00	0.00	0.00
14,800.00	90.11	359.74	10,259.78	4,368.20	-114.91	4,368.67	0.00	0.00	0.00
14,900.00	90.11	359.74	10,259.59	4,468.19	-115.36	4,468.67	0.00	0.00	0.00
15,000.00	90.11	359.74	10,259.40	4,568.19	-115.82	4,568.67	0.00	0.00	0.00
15,100.00	90.11	359.74	10,259.21	4,668.19	-116.27	4,668.67	0.00	0.00	0.00
15,200.00	90.11	359.74	10,259.01	4,768.19	-116.72	4,768.67	0.00	0.00	0.00
15,300.00	90.11	359.74	10,258.82	4,868.19	-117.18	4,868.67	0.00	0.00	0.00
15,400.00	90.11	359.74	10,258.63	4,968.19	-117.63	4,968.67	0.00	0.00	0.00
15,500.00	90.11	359.74	10,258.44	5,068.19	-118.09	5,068.67	0.00	0.00	0.00
15,600.00	90.11	359.74	10,258.25	5,168.19	-118.54	5,168.67	0.00	0.00	0.00
15,700.00	90.11	359.74	10,258.05	5,268.19	-118.99	5,268.67	0.00	0.00	0.00
15,800.00	90.11	359.74	10,257.86	5,368.18	-119.45	5,368.67	0.00	0.00	0.00
15,900.00	90.11	359.74	10,257.67	5,468.18	-119.90	5,468.67	0.00	0.00	0.00
16,000.00	90.11	359.74	10,257.48	5,568.18	-120.35	5,568.67	0.00	0.00	0.00
16,100.00	90.11	359.74	10,257.29	5,668.18	-120.81	5,668.67	0.00	0.00	0.00
16,200.00	90.11	359.74	10,257.09	5,768.18	-121.26	5,768.67	0.00	0.00	0.00
16,300.00	90.11	359.74	10,256.90	5,868.18	-121.72	5,868.67	0.00	0.00	0.00
16,400.00	90.11	359.74	10,256.71	5,968.18	-122.17	5,968.67	0.00	0.00	0.00
16,500.00	90.11	359.74	10,256.52	6,068.18	-122.62	6,068.67	0.00	0.00	0.00
16,600.00	90.11	359.74	10,256.33	6,168.17	-123.08	6,168.67	0.00	0.00	0.00
16,700.00	90.11	359.74	10,256.13	6,268.17	-123.53	6,268.67	0.00	0.00	0.00
16,800.00	90.11	359.74	10,255.94	6,368.17	-123.98	6,368.67	0.00	0.00	0.00
16,900.00	90.11	359.74	10,255.75	6,468.17	-124.44	6,468.67	0.00	0.00	0.00
17,000.00	90.11	359.74	10,255.56	6,568.17	-124.89	6,568.67	0.00	0.00	0.00
17,100.00	90.11	359.74	10,255.37	6,668.17	-125.35	6,668.67	0.00	0.00	0.00
17,200.00	90.11	359.74	10,255.18	6,768.17	-125.80	6,768.67	0.00	0.00	0.00
17,300.00	90.11	359.74	10,254.98	6,868.17	-126.25	6,868.67	0.00	0.00	0.00
17,400.00	90.11	359.74	10,254.79	6,968.16	-126.71	6,968.67	0.00	0.00	0.00
17,500.00	90.11	359.74	10,254.60	7,068.16	-127.16	7,068.67	0.00	0.00	0.00
17,600.00	90.11	359.74	10,254.41	7,168.16	-127.61	7,168.67	0.00	0.00	0.00
17,700.00	90.11	359.74	10,254.22	7,268.16	-128.07	7,268.67	0.00	0.00	0.00
17,800.00	90.11	359.74	10,254.02	7,368.16	-128.52	7,368.67	0.00	0.00	0.00
17,900.00	90.11	359.74	10,253.83	7,468.16	-128.98	7,468.67	0.00	0.00	0.00
18,000.00	90.11	359.74	10,253.64	7,568.16	-129.43	7,568.67	0.00	0.00	0.00
18,100.00	90.11	359.74	10,253.45	7,668.16	-129.88	7,668.67	0.00	0.00	0.00
18,200.00	90.11	359.74	10,253.26	7,768.15	-130.34	7,768.67	0.00	0.00	0.00
18,300.00	90.11	359.74	10,253.06	7,868.15	-130.79	7,868.67	0.00	0.00	0.00
18,400.00	90.11	359.74	10,252.87	7,968.15	-131.25	7,968.67	0.00	0.00	0.00
18,500.00	90.11	359.74	10,252.68	8,068.15	-131.70	8,068.67	0.00	0.00	0.00
18,600.00	90.11	359.74	10,252.49	8,168.15	-132.15	8,168.67	0.00	0.00	0.00
18,700.00	90.11	359.74	10,252.30	8,268.15	-132.61	8,268.67	0.00	0.00	0.00
18,800.00	90.11	359.74	10,252.10	8,368.15	-133.06	8,368.67	0.00	0.00	0.00
18,900.00	90.11	359.74	10,251.91	8,468.15	-133.51	8,468.66	0.00	0.00	0.00
19,000.00	90.11	359.74	10,251.72	8,568.15	-133.97	8,568.66	0.00	0.00	0.00
19,100.00	90.11	359.74	10,251.53	8,668.14	-134.42	8,668.66	0.00	0.00	0.00
19,200.00	90.11	359.74	10,251.34	8,768.14	-134.88	8,768.66	0.00	0.00	0.00
19,300.00	90.11	359.74	10,251.14	8,868.14	-135.33	8,868.66	0.00	0.00	0.00
19,400.00	90.11	359.74	10,250.95	8,968.14	-135.78	8,968.66	0.00	0.00	0.00
19,500.00	90.11	359.74	10,250.76	9,068.14	-136.24	9,068.66	0.00	0.00	0.00



Planning Report



Database:	WBDS_SQL_2	Local Co-ordinate Reference:	Well #304H
Company:	XTO Energy	TVD Reference:	RKB = 26' @ 3045.00usft (PATT-225)
Project:	Eddy County, NM (Nad-27 / East Zone)	MD Reference:	RKB = 26' @ 3045.00usft (PATT-225)
Site:	Nash Unit	North Reference:	Grid
Well:	#304H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
19,600.00	90.11	359.74	10,250.57	9,168.14	-136.69	9,168.66	0.00	0.00	0.00
19,700.00	90.11	359.74	10,250.38	9,268.14	-137.14	9,268.66	0.00	0.00	0.00
19,800.00	90.11	359.74	10,250.18	9,368.14	-137.60	9,368.66	0.00	0.00	0.00
19,900.00	90.11	359.74	10,249.99	9,468.13	-138.05	9,468.66	0.00	0.00	0.00
20,000.00	90.11	359.74	10,249.80	9,568.13	-138.51	9,568.66	0.00	0.00	0.00
20,100.00	90.11	359.74	10,249.61	9,668.13	-138.96	9,668.66	0.00	0.00	0.00
20,200.00	90.11	359.74	10,249.42	9,768.13	-139.41	9,768.66	0.00	0.00	0.00
20,300.00	90.11	359.74	10,249.22	9,868.13	-139.87	9,868.66	0.00	0.00	0.00
20,400.00	90.11	359.74	10,249.03	9,968.13	-140.32	9,968.66	0.00	0.00	0.00
20,500.00	90.11	359.74	10,248.84	10,068.13	-140.77	10,068.66	0.00	0.00	0.00
20,600.00	90.11	359.74	10,248.65	10,168.13	-141.23	10,168.66	0.00	0.00	0.00
20,700.00	90.11	359.74	10,248.46	10,268.12	-141.68	10,268.66	0.00	0.00	0.00
20,800.00	90.11	359.74	10,248.26	10,368.12	-142.14	10,368.66	0.00	0.00	0.00
20,900.00	90.11	359.74	10,248.07	10,468.12	-142.59	10,468.66	0.00	0.00	0.00
21,000.00	90.11	359.74	10,247.88	10,568.12	-143.04	10,568.66	0.00	0.00	0.00
21,100.00	90.11	359.74	10,247.69	10,668.12	-143.50	10,668.66	0.00	0.00	0.00
21,200.00	90.11	359.74	10,247.50	10,768.12	-143.95	10,768.66	0.00	0.00	0.00
21,300.00	90.11	359.74	10,247.30	10,868.12	-144.40	10,868.66	0.00	0.00	0.00
21,400.00	90.11	359.74	10,247.11	10,968.12	-144.86	10,968.66	0.00	0.00	0.00
21,500.00	90.11	359.74	10,246.92	11,068.11	-145.31	11,068.66	0.00	0.00	0.00
21,600.00	90.11	359.74	10,246.73	11,168.11	-145.77	11,168.66	0.00	0.00	0.00
21,700.00	90.11	359.74	10,246.54	11,268.11	-146.22	11,268.66	0.00	0.00	0.00
21,800.00	90.11	359.74	10,246.34	11,368.11	-146.67	11,368.66	0.00	0.00	0.00
21,900.00	90.11	359.74	10,246.15	11,468.11	-147.13	11,468.66	0.00	0.00	0.00
22,000.00	90.11	359.74	10,245.96	11,568.11	-147.58	11,568.66	0.00	0.00	0.00
22,100.00	90.11	359.74	10,245.77	11,668.11	-148.04	11,668.66	0.00	0.00	0.00
22,200.00	90.11	359.74	10,245.58	11,768.11	-148.49	11,768.66	0.00	0.00	0.00
22,300.00	90.11	359.74	10,245.38	11,868.11	-148.94	11,868.66	0.00	0.00	0.00
22,400.00	90.11	359.74	10,245.19	11,968.10	-149.40	11,968.66	0.00	0.00	0.00
22,500.00	90.11	359.74	10,245.00	12,068.10	-149.85	12,068.66	0.00	0.00	0.00
22,600.00	90.11	359.74	10,244.81	12,168.10	-150.30	12,168.66	0.00	0.00	0.00
22,700.00	90.11	359.74	10,244.62	12,268.10	-150.76	12,268.66	0.00	0.00	0.00
22,800.00	90.11	359.74	10,244.42	12,368.10	-151.21	12,368.66	0.00	0.00	0.00
22,900.00	90.11	359.74	10,244.23	12,468.10	-151.67	12,468.66	0.00	0.00	0.00
23,000.00	90.11	359.74	10,244.04	12,568.10	-152.12	12,568.66	0.00	0.00	0.00
23,100.00	90.11	359.74	10,243.85	12,668.10	-152.57	12,668.66	0.00	0.00	0.00
23,200.00	90.11	359.74	10,243.66	12,768.09	-153.03	12,768.66	0.00	0.00	0.00
23,300.00	90.11	359.74	10,243.46	12,868.09	-153.48	12,868.66	0.00	0.00	0.00
23,400.00	90.11	359.74	10,243.27	12,968.09	-153.93	12,968.66	0.00	0.00	0.00
23,500.00	90.11	359.74	10,243.08	13,068.09	-154.39	13,068.66	0.00	0.00	0.00
23,600.00	90.11	359.74	10,242.89	13,168.09	-154.84	13,168.66	0.00	0.00	0.00
23,700.00	90.11	359.74	10,242.70	13,268.09	-155.30	13,268.66	0.00	0.00	0.00
23,800.00	90.11	359.74	10,242.50	13,368.09	-155.75	13,368.66	0.00	0.00	0.00
23,900.00	90.11	359.74	10,242.31	13,468.09	-156.20	13,468.66	0.00	0.00	0.00
24,000.00	90.11	359.74	10,242.12	13,568.08	-156.66	13,568.66	0.00	0.00	0.00
24,100.00	90.11	359.74	10,241.93	13,668.08	-157.11	13,668.66	0.00	0.00	0.00
24,200.00	90.11	359.74	10,241.74	13,768.08	-157.56	13,768.66	0.00	0.00	0.00
24,300.00	90.11	359.74	10,241.54	13,868.08	-158.02	13,868.66	0.00	0.00	0.00
24,400.00	90.11	359.74	10,241.35	13,968.08	-158.47	13,968.65	0.00	0.00	0.00
24,500.00	90.11	359.74	10,241.16	14,068.08	-158.93	14,068.65	0.00	0.00	0.00
24,600.00	90.11	359.74	10,240.97	14,168.08	-159.38	14,168.65	0.00	0.00	0.00
24,700.00	90.11	359.74	10,240.78	14,268.08	-159.83	14,268.65	0.00	0.00	0.00
24,800.00	90.11	359.74	10,240.58	14,368.07	-160.29	14,368.65	0.00	0.00	0.00
24,900.00	90.11	359.74	10,240.39	14,468.07	-160.74	14,468.65	0.00	0.00	0.00



Planning Report



Database:	WBDS_SQL_2	Local Co-ordinate Reference:	Well #304H
Company:	XTO Energy	TVD Reference:	RKB = 26' @ 3045.00usft (PATT-225)
Project:	Eddy County, NM (Nad-27 / East Zone)	MD Reference:	RKB = 26' @ 3045.00usft (PATT-225)
Site:	Nash Unit	North Reference:	Grid
Well:	#304H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
25,000.00	90.11	359.74	10,240.20	14,568.07	-161.19	14,568.65	0.00	0.00	0.00	
25,100.00	90.11	359.74	10,240.01	14,668.07	-161.65	14,668.65	0.00	0.00	0.00	
25,200.00	90.11	359.74	10,239.82	14,768.07	-162.10	14,768.65	0.00	0.00	0.00	
25,300.00	90.11	359.74	10,239.62	14,868.07	-162.56	14,868.65	0.00	0.00	0.00	
25,400.00	90.11	359.74	10,239.43	14,968.07	-163.01	14,968.65	0.00	0.00	0.00	
25,500.00	90.11	359.74	10,239.24	15,068.07	-163.46	15,068.65	0.00	0.00	0.00	
25,600.00	90.11	359.74	10,239.05	15,168.07	-163.92	15,168.65	0.00	0.00	0.00	
25,700.00	90.11	359.74	10,238.86	15,268.06	-164.37	15,268.65	0.00	0.00	0.00	
25,800.00	90.11	359.74	10,238.66	15,368.06	-164.83	15,368.65	0.00	0.00	0.00	
25,838.54	90.11	359.74	10,238.59	15,406.60	-165.00	15,407.19	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
Nash#304H SHL: 470	0.00	0.00	1.00	0.00	0.00	472,696.60	625,308.70	32.298908	-103.927785	
- plan hits target center										
- Point										
Nash#304H PBHL: 5C	0.00	0.01	10,238.59	15,406.60	-165.00	488,103.20	625,143.70	32.341261	-103.928131	
- plan hits target center										
- Point										
Nash#304H LTP 330'	0.00	0.00	10,238.69	15,356.60	-164.70	488,053.20	625,144.00	32.341123	-103.928130	
- plan misses target center by 0.07usft at 25788.54usft MD (10238.69 TVD, 15356.60 N, -164.77 E)										
- Point										
Nash#304H LP (Plan	0.00	0.00	10,267.81	186.78	-95.93	472,883.39	625,212.77	32.299423	-103.928094	
- plan hits target center										
- Point										
Nash#304H FTP (Plat	0.00	0.00	10,270.00	-370.30	-93.60	472,326.30	625,215.10	32.297891	-103.928093	
- plan misses target center by 226.99usft at 10177.99usft MD (10107.39 TVD, -211.92 N, -94.12 E)										
- Point										



Planning Report



Database:	WBDS_SQL_2	Local Co-ordinate Reference:	Well #304H
Company:	XTO Energy	TVD Reference:	RKB = 26' @ 3045.00usft (PATT-225)
Project:	Eddy County, NM (Nad-27 / East Zone)	MD Reference:	RKB = 26' @ 3045.00usft (PATT-225)
Site:	Nash Unit	North Reference:	Grid
Well:	#304H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
23.00	23.00	Rustler Anh.			
149.00	149.00	Base Rustler Anh.			
235.00	235.00	Salado Anh.			
351.00	351.00	Est. Top of Salt			
3,058.00	3,058.00	Base Salt			
3,263.21	3,263.00	Lamar Lm. (Del Mtn Grp.)			
3,285.26	3,285.00	Bell Canyon Ss.			
4,145.31	4,143.00	Cherry Canyon Ss.			
4,291.65	4,289.00	Base Manzanita Sh.			
5,731.07	5,725.00	Brushy Canyon Ss.			
6,785.58	6,777.00	Basal Brushy Canyon Ss.			
7,018.13	7,009.00	Bone Spring Lm.			
7,135.41	7,126.00	Avalon Ss.			
7,212.60	7,203.00	Bone Spg. Up. Avalon Lm.			
7,373.98	7,364.00	Bone Spg. Up. Avalon Sh.			
7,495.27	7,485.00	Bone Spg. Low Avalon Lm.			
7,711.78	7,701.00	Bone Spg. Low Avalon Sh.			
8,036.56	8,025.00	First Bone Spring Ss.			
8,372.35	8,360.00	Second Bone Spring Lm.			
8,860.51	8,847.00	Second Bone Spring Ss.			
8,893.59	8,880.00	Second Bone Spring A Ss.			
8,959.75	8,946.00	Second Bone Spring A/B Carb.			
9,040.94	9,027.00	Second Bone Spring B Ss.			
9,196.31	9,182.00	Third Bone Spring Lm.			
9,969.69	9,941.00	Third Bone Spring Ss.			
10,243.41	10,150.00	Third Bone Spring Ss. War Wink			
10,458.84	10,246.00	Third Bone Spring Ss. Red Hills			