

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.5. Lease Serial No.
NMLC061634B

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 27. If Unit or CA/Agreement, Name and/or No.
891000303X

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.

POKER LAKE UNIT 30 BS 101H

2. Name of Operator

XTO PERMIAN OPERATING LLC

Contact: KELLY KARDOS

E-Mail: kelly_kardos@xtoenergy.com

9. API Well No.

30-015-46940-00-X1

3a. Address

6401 HOLIDAY HILL ROAD BLDG 5
MIDLAND, TX 79707

3b. Phone No. (include area code)

Ph: 432-620-4374

10. Field and Pool or Exploratory Area

PURPLE SAGE-WOLFCAMP (GAS)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 30 T25S R31E 2310FNL 455FWL
32.102173 N Lat, 103.824554 W Lon

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 Permian Operating, LLC requests permission to make the following changes to the original APD:

Change the casing/cement design per the attached drilling program.

Change the BHL from 200FSL & 660FWL to 200FSL & 843FWL

XTO requests the following variances:

Batch drill this well if necessary. In doing so, XTO will set each casing string and ensure that the well is cemented properly and the well is static. With floats holding, no pressure on the csg annulus, and the installation of a 10K TA cap as per GE recommendations, XTO will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and intermediate strings are

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

Electronic Submission #509467 verified by the BLM Well Information System
For XTO PERMIAN OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by PRISCILLA PEREZ on 04/03/2020 (20PP1897SE)

Name (Printed/Typed) KELLY KARDOS

Title REGULATORY COORDINATOR

Signature (Electronic Submission)

Date 04/02/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ALLISON MORENCY

Title PETROLEUM ENGINEER

Date 04/23/2020

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

RWP 5/1/2020

Additional data for EC transaction #509467 that would not fit on the form

32. Additional remarks, continued

all completed, XTO will begin drilling the production hole on each of the wells.

A variance is requested to ONLY test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken. We will also function test BOP equipment after each nipple up. A full BOP test will be required prior to drilling any production hole.

A variance is requested to cement offline for the surface and intermediate casing strings.

Attachments:

C102 & Supplement
Casing/Cement Design
Multibowl Diagram
Directional Plan

Revisions to Operator-Submitted EC Data for Sundry Notice #509467

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMLC061634B	NMLC061634B
Agreement:	NMNM71016X	891000303X (NMNM71016X)
Operator:	XTO PERMIAN OPERATING, LLC 6401 HOLIDAY HILL RD BLDG 5 MIDLAND, TX 79707 Ph: 432-620-4374	XTO PERMIAN OPERATING LLC 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:	PURPLE SAGE WOLFCAMP	PURPLE SAGE-WOLFCAMP (GAS)
Well/Facility:	POKER LAKE UNIT 30 BS 101H Sec 30 T25S R31E Mer NMP SWNW 2310FNL 455FWL	POKER LAKE UNIT 30 BS 101H Sec 30 T25S R31E 2310FNL 455FWL 32.102173 N Lat, 103.824554 W Lon

Kardos, Kelly

From: amorency@blm.gov
Sent: Thursday, April 23, 2020 10:35 PM
To: Kardos, Kelly
Subject: Well POKER LAKE UNIT 30 BS 101H
Attachments: EC509467.pdf

Categories: External Sender

External Email - Think Before You Click

The sundry for Change to Original APD you submitted has been approved by the BLM. Your original Electronic Commerce (EC) transmission was assigned ID 509467. Please be sure to open and save all attachments to this message, since they contain important information.

04/23/2020 - AM

All COAs still apply. Offline cementing and batch drilling are not approved.

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) 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, 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- 46940	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code 327328	⁵ Property Name POKER LAKE UNIT 30 BS	⁶ Well Number 101H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,370'

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
2	30	25 S	31 E		2,310	NORTH	455	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
4	31	25 S	31 E		200	SOUTH	843	WEST	EDDY

¹² Dedicated Acres 640.6	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.

	GEODETIC COORDINATES SURFACE LOCATION NAD 27 NME Y= 401,220.8 X= 657,694.3 LAT.= 32.102048°N LONG.= 103.824071°W GEODETIC COORDINATES SURFACE LOCATION NAD 83 NME Y= 401,278.7 X= 698,879.7 LAT.= 32.102173°N LONG.= 103.824551°W FIRST TAKE POINT NAD 27 NME Y= 400,527.3 X= 658,081.1 LAT.= 32.100137°N LONG.= 103.822833°W FIRST TAKE POINT NAD 83 NME Y= 400,585.2 X= 699,266.5 LAT.= 32.100261°N LONG.= 103.823312°W CORNER COORDINATES TABLE NAD 83 NME A - Y= 400,922.9 N, X= 698,427.0 E B - Y= 400,933.8 N, X= 699,752.5 E C - Y= 398,269.0 N, X= 698,399.2 E D - Y= 398,278.5 N, X= 699,727.5 E E - Y= 395,615.4 N, X= 698,415.7 E F - Y= 395,624.6 N, X= 699,742.6 E G - Y= 392,953.5 N, X= 698,417.0 E H - Y= 392,964.1 N, X= 699,750.1 E CORNER COORDINATES TABLE NAD 27 NME A - Y= 400,865.0 N, X= 657,241.6 E B - Y= 400,875.9 N, X= 658,567.1 E C - Y= 398,211.1 N, X= 657,213.7 E D - Y= 398,220.6 N, X= 658,542.0 E E - Y= 395,557.6 N, X= 657,230.1 E F - Y= 395,566.8 N, X= 658,557.0 E G - Y= 392,895.8 N, X= 657,231.3 E H - Y= 392,906.4 N, X= 658,564.4 E LAST TAKE POINT NAD 27 NME Y= 393,232.4 X= 658,074.1 LAT.= 32.080084°N LONG.= 103.822967°W LAST TAKE POINT NAD 83 NME Y= 393,290.2 X= 699,259.8 LAT.= 32.080208°N LONG.= 103.823445°W BOTTOM HOLE LOCATION NAD 27 NME Y= 393,102.5 X= 658,074.2 LAT.= 32.079726°N LONG.= 103.822969°W BOTTOM HOLE LOCATION NAD 83 NME Y= 393,160.2 X= 699,259.9 LAT.= 32.079851°N LONG.= 103.823447°W	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. <i>Kelly Kardos</i> 4-2-20 Signature Date Kelly Kardos Printed Name kelly_kardos@xtoenergy.com 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. 2-26-2020 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number AI 2017071024

RWP 5/1/2020

Intent ☒ As Drilled ☐

API # 30-015-46940			
Operator Name: XTO PERMIAN OPERATING, LLC		Property Name: POKER LAKE UNIT 30 BS	Well Number 101H

Kick Off Point (KOP)

UL	Section 30	Township 25S	Range 31E	Lot 2	Feet 2310	From N/S NORTH	Feet 455	From E/W WEST	County EDDY
Latitude 32.102173					Longitude -103.824551				NAD 83

First Take Point (FTP)

UL	Section 30	Township 25S	Range 31E	Lot 3	Feet 2310	From N/S SOUTH	Feet 843	From E/W WEST	County EDDY
Latitude 32.100261					Longitude -103.823312				NAD 83

Last Take Point (LTP)

UL	Section 31	Township 25S	Range 31E	Lot 4	Feet 330	From N/S SOUTH	Feet 843	From E/W WEST	County EDDY
Latitude 32.080208					Longitude -103.823445				NAD 83

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: XTO PERMIAN OPERATING, LLC		Property Name: POKER LAKE UNIT 30 BS	Well Number 122H

KZ 06/29/2018

Poker Lake Unit 30 BS 101H
 Projected TD: 19334' MD / 11504' TVD
 SHL: 2310' FNL & 455' FWL , Section 30, T25S, R31E
 BHL: 200' FSL & 843' FWL , Section 31, T25S, R31E
 Eddy County, NM

Casing Design

The surface fresh water sands will be protected by setting 11-3/4" casing @ 1384' (100' above the salt) and circulating cement back to surface. The 7-5/8" intermediate casing will be set at 10277' and bring TOC back to surface. A 6-3/4 inch curve and lateral hole will be drilled to MD/TD and 5-1/2" x 5" semi-flush casing will be set at TD and cemented back 300' into the 7-5/8" casing shoe.

Hole Size	Depth	OD Csg	Weight	Collar	Grade	New/Used	SF Burst	SF Collapse	SF Tension
14-3/4"	0' – 1384'	11-3/4"	54	BTC	J-55	New	1.32	3.31	11.37
9-7/8"	0' – 10277'	7-5/8"	29.7	BTC	HCL-80	New	1.58	2.10	2.24
6-3/4"	0' – 10177'	5-1/2"	23	Freedom	P-110	New	1.21	2.11	2.80
6-3/4"	10177' - 19334'	5"	18	CDC HTQ	P-110 RY	New	1.16	1.96	2.23

XTO requests to not utilize centralizers in the curve and lateral

- 7-5/8" Collapse analyzed using 50% evacuation based on regional experience.
- 5-1/2" Tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35
- Test on Casing will be limited to 70% burst of the casing or 1500 psi, whichever is less
- 5-1/2" 23 ppf casing will be run from surface to 11,504' and crossed over to 5" 18 ppf casing from 11,504' to TD.
- Request to use 5" BTC Float equipment

WELLHEAD:

Permanent Wellhead – Multibowl System

A. Starting Head: 11" 10M top flange x 11-3/4" SOW bottom

B. Tubing Head: 11" 10M bottom flange x 7-1/16" 15M top flange

- Wellhead will be installed by manufacturer's representatives.
- Manufacturer will monitor welding process to ensure appropriate temperature of seal.
- Operator will test the 7-5/8" casing per BLM Onshore Order 2
- Wellhead Manufacturer representative will not be present for BOP test plug installation

Cement Program

Surface Casing:

Lead: 500 sxs Halcem-C + 2% CaCl (mixed at 12.8 ppg, 1.87 ft3/sx, 10.13 gal/sx water)

Tail: 190 sxs Halcem-C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

Compressives: 12-hr = 900 psi 24 hr = 1500 psi

Intermediate Casing:

ECP/DV Tool to be set at 4627'

1st Stage

Lead: 1060 sxs Halcem - Class C (mixed at 11.0 ppg, 1.87 ft3/sx, 15.10 gal/sx water)

Tail: 310 sxs Halcem - Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

Compressives: 12-hr = 900 psi 24 hr = 1150 psi

2nd Stage

Lead: 820 sxs Halcem - Class C (mixed at 11.0 ppg, 1.88 ft3/sx, 10.13 gal/sx water)

Tail: 320 sxs Halcem-Class C (mixed at 14.8 ppg, 1.33 ft3/sx, 5.29 gal/sx water)

Compressives: 12-hr = 900 psi 24 hr = 1150 psi

Production Casing:

Lead: 30 sxs VersaCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water)

Tail: 600 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 7.20 gal/sx water)

Compressives: 12-hr = 800 psi 24 hr = 1500 psi

Mud Circulation Program

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 1384'	14-3/4"	FW / Native	8.4-8.8	35-40	NC
1384' - 10277'	9-7/8"	Brine / Cut Brine / Direct Emulsion	8.6-9.8	30-32	NC
10277' to 19334'	6-3/4"	Cut Brine / WBM / OBM	11-12	32-36	NC

DRILLING PLAN: BLM COMPLIANCE
(Supplement to BLM 3160-3)

XTO Energy Inc.
Poker Lake Unit 30 BS 101H
Projected TD: 19334' MD / 11504' TVD
SHL: 2310' FNL & 455' FWL , Section 30, T25S, R31E
BHL: 200' FSL & 843' FWL , Section 31, T25S, R31E
Eddy County, NM

1. Geologic Name of Surface Formation

A. Permian

2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	1158'	Water
Top of Salt	1484'	Water
Base of Salt	3960'	Water
Delaware	4127'	Water
Bone Spring	8063'	Water
1st Bone Spring Ss	9063'	Water/Oil/Gas
2nd Bone Spring Ss	9384'	Water/Oil/Gas
3rd Bone Spring Ss	11029'	Water/Oil/Gas
Wolfcamp	11329'	Water/Oil/Gas
Wolfcamp X/Y	11354'	Water/Oil/Gas
Wolfcamp A	11496'	Water/Oil/Gas
Target/Land Curve	11504'	Water/Oil/Gas

*** Hydrocarbons @ Brushy Canyon

*** Groundwater depth 40' (per NM State Engineers Office).

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 11-3/4" casing @ 1384' (100' above the salt) and circulating cement back to surface. The 7-5/8" intermediate casing will be set at 10277' and bring TOC back to surface. A 6-3/4 inch curve and lateral hole will be drilled to MD/TD and 5-1/2" x 5" semi-flush casing will be set at TD and cemented back 300' into the 7-5/8" casing shoe.

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Collar	Grade	New/Used	SF Burst	SF Collapse	SF Tension
14-3/4"	0' – 1384'	11-3/4"	54	BTC	J-55	New	1.32	3.31	11.37
9-7/8"	0' – 10277'	7-5/8"	29.7	BTC	HCL-80	New	1.58	2.10	2.24
6-3/4"	0' – 10177'	5-1/2"	23	Freedom	P-110	New	1.21	2.11	2.80
6-3/4"	10177' - 19334'	5"	18	CDC HTQ	P-110 RY	New	1.16	1.96	2.23

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

· 7-5/8" Collapse analyzed using 50% evacuation based on regional experience.

· 5-1/2" Tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35

· Test on Casing will be limited to 70% burst of the casing or 1500 psi, whichever is less

· 5-1/2" 23 ppf casing will be run from surface to 11,504' and crossed over to 5" 18 ppf casing from 11,504' to TD.

· Request to use 5" BTC Float equipment

Wellhead:

Permanent Wellhead – Multibowl System

A. Starting Head: 11" 10M top flange x 11-3/4" SOW bottom

B. Tubing Head: 11" 10M bottom flange x 7-1/16" 15M top flange

- Wellhead will be installed by manufacturer's representatives.
- Manufacturer will monitor welding process to ensure appropriate temperature of seal.
- Operator will test the 7-5/8" casing per BLM Onshore Order 2
- Wellhead Manufacturer representative will not be present for BOP test plug installation

4. Cement Program

Surface Casing: 11-3/4", 54 New J-55, BTC casing to be set at +/- 1384'

Lead: 500 sxs Halcem-C + 2% CaCl (mixed at 12.8 ppg, 1.87 ft3/sx, 10.13 gal/sx water)

Tail: 190 sxs Halcem-C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

Compressives: 12-hr = 900 psi 24 hr = 1500 psi

TOC: Surface

Intermediate Casing: 7-5/8", 29.7 New HCL-80, BTC casing to be set at +/- 10277'

ECP/DV Tool to be set at 4627'

1st Stage

Lead: 1060 sxs Halcem - Class C (mixed at 11.0 ppg, 1.87 ft3/sx, 15.10 gal/sx water)

Tail: 310 sxs Halcem - Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

Compressives: 12-hr = 900 psi 24 hr = 1150psi

2nd Stage

Lead: 820 sxs Halcem - Class C (mixed at 11.0 ppg, 1.88 ft3/sx, 10.13 gal/sx water)

Tail: 320 sxs Halcem-Class C (mixed at 14.8 ppg, 1.33 ft3/sx, 5.29 gal/sx water)

Compressives: 12-hr = 900 psi 24 hr = 1150 psi

TOC: Surface

Production Casing: 5", 18 New P-110 RY, CDC HTQ casing to be set at +/- 19334'

Lead: 30 sxs VersaCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water)

Tail: 600 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 7.20 gal/sx water)

Compressives 12-hr = 800 psi 24 hr = 1500 psi

TOC: 300' inside previous shoe

5. Pressure Control Equipment

Once the permanent WH is installed on the 11-3/4" casing, the blow out preventer equipment (BOP) will consist of a 13-5/8" minimum 5M Hydril and a 13-5/8" minimum 5M 3-Ram BOP. MASP should not exceed 4349 psi. In any instance where 10M BOP is required by BLM, XTO requests a variance to utilize 5M annular with 10M ram preventers (a common BOP configuration, which allows use of 10M rams in unlikely event that pressures exceed 5M). Also a variance is requested to test the 5M annular to 70% of working pressure at 3500 psi.

All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 70% of the working pressure. When nipping up on the 11-3/4", 5M bradenhead and flange, the BOP test will be limited to 5000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 5M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors.

XTO requests a variance to be able to batch drill this well if necessary. In doing so, XTO will set each casing string and ensure that the well is cemented properly and the well is static. With floats holding, no pressure on the csg annulus, and the installation of a 10K TA cap as per GE recommendations, XTO will contact the BLM on each rig skid on the pad. Once surface and intermediate strings are all completed, XTO will begin drilling the production hole on each of the wells.

A variance is requested to **ONLY** test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken. Based on discussions with the BLM on February 27th 2020, we will request permission to **ONLY** retest broken pressure seals if the following conditions are met: 1. After a full BOP test is conducted on the first well on the pad (First well will be the deepest Intermediate) 2. When skidding to drill an intermediate section does not penetrate into the Wolfcamp 3. Full BOP test will be required prior to drilling the production hole

A variance is requested to cement offline for the surface and intermediate casing strings.

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 1384'	14-3/4"	FW / Native	8.4-8.8	35-40	NC
1384' - 10277'	9-7/8"	Brine / Cut Brine / Direct Emulsion	8.6-9.8	30-32	NC
10277' to 19334'	6-3/4"	Cut Brine / WBM / OBM	11-12	32-36	NC

The necessary mud products for weight addition and fluid loss control will be on location at all times.

Spud with fresh water/native mud and set 11-3/4" surface casing, isolating the fresh water aquifer. Drill out from under 11-3/4" surface casing with a brine/oil direct emulsion mud system. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.

7. Auxiliary Well Control and Monitoring Equipment

- A. A Kelly cock will be in the drill string at all times.
- B. A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.
- C. H2S monitors will be on location when drilling below the 11-3/4" casing.

8. Logging, Coring and Testing Program

Mud Logger: Mud Logging Unit (2 man) below intermediate casing.

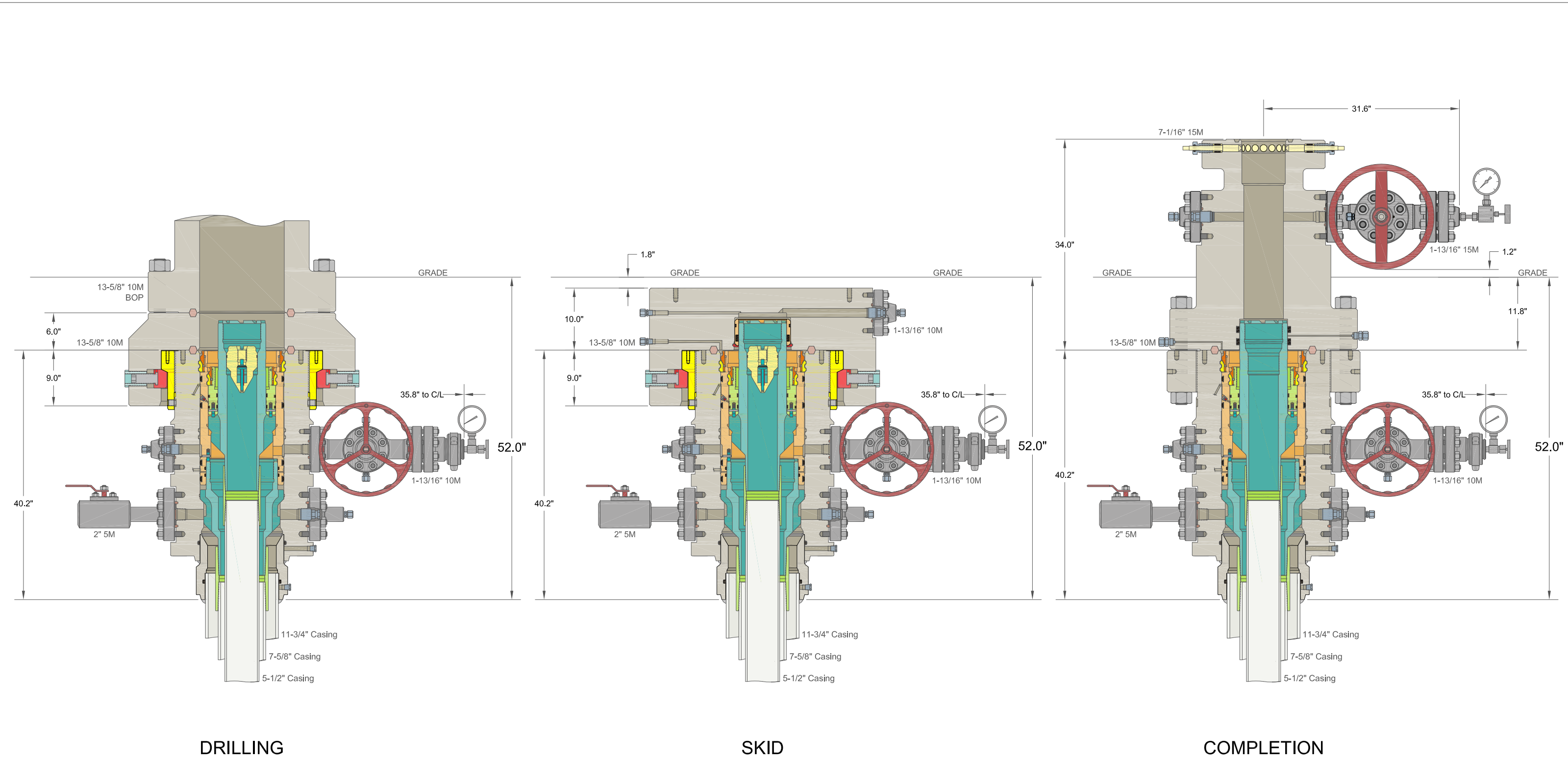
Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 150 to 170 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid. The maximum anticipated bottom hole pressure for this well is 6879 psi.

10. Anticipated Starting Date and Duration of Operations

Road and location construction will begin after Santa Fe and BLM have approved the APD. Anticipated spud date will be as soon after Santa Fe and BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 45 days. If production casing is run, an additional 30 days will be needed to complete well and construct surface facilities and/or lay flow lines in order to place well on production.



INFORMATION CONTAINED HEREIN IS THE PROPERTY OF CACTUS WELLHEAD, LLC. REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PERMISSIBLE ONLY AS PROVIDED BY CONTRACT OR AS EXPRESSLY AUTHORIZED BY CACTUS WELLHEAD, LLC.

ALL DIMENSIONS APPROXIMATE			
CACTUS WELLHEAD LLC		XTO ENERGY INC POKER LAKE, NM	
30" x 11-3/4" x 7-5/8" x 5-1/2" MBU-3T-SF SOW Wellhead System With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head And 7-5/8" & 5-1/2" Fluted Mandrel Casing Hangers	DRAWN	DLE	09DEC19
	APPRV		
	DRAWING NO. ODE0003261		



Planned Wellpath Report

PLU 30 Big Sinks #101H Rev-A.0

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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	PLU 30 Big Sinks #101H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 30 Big Sinks Pad	Wellbore	PLU 30 Big Sinks #101H
Slot	PLU 30 Big Sinks #101H		

REPORT SETUP INFORMATION

Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Gail Deering
Scale	0.999938	Report Generated	10/Mar/2020 at 16:48
Convergence at slot	0.27° East	Database	WA_HOU_Midland_Defn

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.40	330.02	657964.30	401220.80	32°06'7.3610"N	103°49'23.5182"W
Facility Reference Pt			657634.30	401220.40	32°06'7.3725"N	103°49'27.3547"W
Field Reference Pt			152400.30	0.00	30°59'42.8458"N	105°26'33.6593"W

WELLPATH DATUM

Calculation method	Minimum curvature	Ensign 121 (RKB) to Facility Vertical Datum	3396.00ft
Horizontal Reference Pt	Slot	Ensign 121 (RKB) to Mean Sea Level	3396.00ft
Vertical Reference Pt	Ensign 121 (RKB)	Ensign 121 (RKB) to Ground Level at Slot (PLU 30 Big Sinks #101H)	26.00ft
MD Reference Pt	Ensign 121 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	180.03°



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Slot	PLU 30 Big Sinks #101H		

WELLPATH DATA (202 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
0.00†	0.000	113.000	0.00	0.00	0.00	0.00	657964.30	401220.80	32°06'7.3610"N	103°49'23.5182"W	0.00	0.00	0.00	
26.00	0.000	113.000	26.00	0.00	0.00	0.00	657964.30	401220.80	32°06'7.3610"N	103°49'23.5182"W	0.00	0.00	0.00	Tie On
126.00†	0.000	113.000	126.00	0.00	0.00	0.00	657964.30	401220.80	32°06'7.3610"N	103°49'23.5182"W	0.00	0.00	0.00	
226.00†	0.000	113.000	226.00	0.00	0.00	0.00	657964.30	401220.80	32°06'7.3610"N	103°49'23.5182"W	0.00	0.00	0.00	
326.00†	0.000	113.000	326.00	0.00	0.00	0.00	657964.30	401220.80	32°06'7.3610"N	103°49'23.5182"W	0.00	0.00	0.00	
426.00†	0.000	113.000	426.00	0.00	0.00	0.00	657964.30	401220.80	32°06'7.3610"N	103°49'23.5182"W	0.00	0.00	0.00	
526.00†	0.000	113.000	526.00	0.00	0.00	0.00	657964.30	401220.80	32°06'7.3610"N	103°49'23.5182"W	0.00	0.00	0.00	
626.00†	0.000	113.000	626.00	0.00	0.00	0.00	657964.30	401220.80	32°06'7.3610"N	103°49'23.5182"W	0.00	0.00	0.00	
726.00†	0.000	113.000	726.00	0.00	0.00	0.00	657964.30	401220.80	32°06'7.3610"N	103°49'23.5182"W	0.00	0.00	0.00	
826.00†	0.000	113.000	826.00	0.00	0.00	0.00	657964.30	401220.80	32°06'7.3610"N	103°49'23.5182"W	0.00	0.00	0.00	
926.00†	0.000	113.000	926.00	0.00	0.00	0.00	657964.30	401220.80	32°06'7.3610"N	103°49'23.5182"W	0.00	0.00	0.00	
1026.00†	0.000	113.000	1026.00	0.00	0.00	0.00	657964.30	401220.80	32°06'7.3610"N	103°49'23.5182"W	0.00	0.00	0.00	
1126.00†	0.000	113.000	1126.00	0.00	0.00	0.00	657964.30	401220.80	32°06'7.3610"N	103°49'23.5182"W	0.00	0.00	0.00	
1226.00†	0.000	113.000	1226.00	0.00	0.00	0.00	657964.30	401220.80	32°06'7.3610"N	103°49'23.5182"W	0.00	0.00	0.00	
1326.00†	0.000	113.000	1326.00	0.00	0.00	0.00	657964.30	401220.80	32°06'7.3610"N	103°49'23.5182"W	0.00	0.00	0.00	
1426.00†	0.000	113.000	1426.00	0.00	0.00	0.00	657964.30	401220.80	32°06'7.3610"N	103°49'23.5182"W	0.00	0.00	0.00	
1500.00	0.000	113.000	1500.00	0.00	0.00	0.00	657964.30	401220.80	32°06'7.3610"N	103°49'23.5182"W	0.00	0.00	0.00	Begin Nudge
1526.00†	0.520	113.000	1526.00	0.05	-0.05	0.11	657964.41	401220.75	32°06'7.3606"N	103°49'23.5170"W	2.00	2.00	0.00	
1626.00†	2.520	113.000	1625.96	1.08	-1.08	2.55	657966.85	401219.72	32°06'7.3502"N	103°49'23.4887"W	2.00	2.00	0.00	
1726.00†	4.520	113.000	1725.77	3.48	-3.48	8.20	657972.50	401217.32	32°06'7.3262"N	103°49'23.4231"W	2.00	2.00	0.00	
1775.00	5.500	113.000	1774.58	5.15	-5.15	12.14	657976.44	401215.65	32°06'7.3095"N	103°49'23.3774"W	2.00	2.00	0.00	End of Build
1826.00†	5.500	113.000	1825.34	7.05	-7.06	16.64	657980.94	401213.74	32°06'7.2904"N	103°49'23.3252"W	0.00	0.00	0.00	
1926.00†	5.500	113.000	1924.88	10.79	-10.81	25.46	657989.76	401209.99	32°06'7.2529"N	103°49'23.2228"W	0.00	0.00	0.00	
2026.00†	5.500	113.000	2024.42	14.54	-14.55	34.29	657998.58	401206.25	32°06'7.2154"N	103°49'23.1205"W	0.00	0.00	0.00	
2126.00†	5.500	113.000	2123.96	18.28	-18.30	43.11	658007.41	401202.50	32°06'7.1780"N	103°49'23.0181"W	0.00	0.00	0.00	
2226.00†	5.500	113.000	2223.50	22.02	-22.04	51.93	658016.23	401198.76	32°06'7.1405"N	103°49'22.9158"W	0.00	0.00	0.00	
2326.00†	5.500	113.000	2323.04	25.76	-25.79	60.75	658025.05	401195.01	32°06'7.1030"N	103°49'22.8134"W	0.00	0.00	0.00	
2426.00†	5.500	113.000	2422.58	29.50	-29.53	69.58	658033.87	401191.27	32°06'7.0655"N	103°49'22.7111"W	0.00	0.00	0.00	
2526.00†	5.500	113.000	2522.12	33.24	-33.28	78.40	658042.69	401187.52	32°06'7.0281"N	103°49'22.6087"W	0.00	0.00	0.00	
2626.00†	5.500	113.000	2621.66	36.98	-37.02	87.22	658051.52	401183.78	32°06'6.9906"N	103°49'22.5063"W	0.00	0.00	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	PLU 30 Big Sinks #101H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 30 Big Sinks Pad	Wellbore	PLU 30 Big Sinks #101H
Slot	PLU 30 Big Sinks #101H		

WELLPATH DATA (202 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
2726.00†	5.500	113.000	2721.20	40.72	-40.77	96.04	658060.34	401180.03	32°06'6.9531"N	103°49'22.4040"W	0.00	0.00	0.00	
2795.00	5.500	113.000	2789.88	43.30	-43.35	102.13	658066.42	401177.45	32°06'6.9273"N	103°49'22.3334"W	0.00	0.00	0.00	End of Hold
2826.00†	4.880	113.000	2820.75	44.39	-44.45	104.71	658069.01	401176.35	32°06'6.9163"N	103°49'22.3034"W	2.00	-2.00	0.00	
2926.00†	2.880	113.000	2920.52	47.03	-47.09	110.94	658075.23	401173.71	32°06'6.8898"N	103°49'22.2312"W	2.00	-2.00	0.00	
3026.00†	0.880	113.000	3020.46	48.31	-48.37	113.96	658078.25	401172.43	32°06'6.8770"N	103°49'22.1961"W	2.00	-2.00	0.00	
3070.00	0.000	180.031	3064.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	2.00	-2.00	0.00	Vertical
3126.00†	0.000	180.031	3120.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
3226.00†	0.000	180.031	3220.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
3326.00†	0.000	180.031	3320.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
3426.00†	0.000	180.031	3420.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
3526.00†	0.000	180.031	3520.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
3626.00†	0.000	180.031	3620.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
3726.00†	0.000	180.031	3720.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
3826.00†	0.000	180.031	3820.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
3926.00†	0.000	180.031	3920.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
4026.00†	0.000	180.031	4020.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
4126.00†	0.000	180.031	4120.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
4226.00†	0.000	180.031	4220.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
4326.00†	0.000	180.031	4320.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
4426.00†	0.000	180.031	4420.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
4526.00†	0.000	180.031	4520.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
4626.00†	0.000	180.031	4620.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
4726.00†	0.000	180.031	4720.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
4826.00†	0.000	180.031	4820.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
4926.00†	0.000	180.031	4920.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
5026.00†	0.000	180.031	5020.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
5126.00†	0.000	180.031	5120.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
5226.00†	0.000	180.031	5220.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
5326.00†	0.000	180.031	5320.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
5426.00†	0.000	180.031	5420.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	PLU 30 Big Sinks #101H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 30 Big Sinks Pad	Wellbore	PLU 30 Big Sinks #101H
Slot	PLU 30 Big Sinks #101H		

WELLPATH DATA (202 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
5526.00†	0.000	180.031	5520.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
5626.00†	0.000	180.031	5620.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
5726.00†	0.000	180.031	5720.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
5826.00†	0.000	180.031	5820.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
5926.00†	0.000	180.031	5920.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
6026.00†	0.000	180.031	6020.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
6126.00†	0.000	180.031	6120.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
6226.00†	0.000	180.031	6220.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
6326.00†	0.000	180.031	6320.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
6426.00†	0.000	180.031	6420.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
6526.00†	0.000	180.031	6520.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
6626.00†	0.000	180.031	6620.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
6726.00†	0.000	180.031	6720.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
6826.00†	0.000	180.031	6820.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
6926.00†	0.000	180.031	6920.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
7026.00†	0.000	180.031	7020.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
7126.00†	0.000	180.031	7120.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
7226.00†	0.000	180.031	7220.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
7326.00†	0.000	180.031	7320.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
7426.00†	0.000	180.031	7420.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
7526.00†	0.000	180.031	7520.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
7626.00†	0.000	180.031	7620.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
7726.00†	0.000	180.031	7720.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
7826.00†	0.000	180.031	7820.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
7926.00†	0.000	180.031	7920.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
8026.00†	0.000	180.031	8020.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
8126.00†	0.000	180.031	8120.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
8226.00†	0.000	180.031	8220.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
8326.00†	0.000	180.031	8320.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
8426.00†	0.000	180.031	8420.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	PLU 30 Big Sinks #101H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 30 Big Sinks Pad	Wellbore	PLU 30 Big Sinks #101H
Slot	PLU 30 Big Sinks #101H		

WELLPATH DATA (202 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
8526.00†	0.000	180.031	8520.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
8626.00†	0.000	180.031	8620.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
8726.00†	0.000	180.031	8720.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
8826.00†	0.000	180.031	8820.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
8926.00†	0.000	180.031	8920.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
9026.00†	0.000	180.031	9020.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
9126.00†	0.000	180.031	9120.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
9226.00†	0.000	180.031	9220.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
9326.00†	0.000	180.031	9320.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
9426.00†	0.000	180.031	9420.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
9526.00†	0.000	180.031	9520.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
9626.00†	0.000	180.031	9620.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
9726.00†	0.000	180.031	9720.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
9826.00†	0.000	180.031	9820.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
9926.00†	0.000	180.031	9920.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
10026.00†	0.000	180.031	10020.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
10126.00†	0.000	180.031	10120.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
10226.00†	0.000	180.031	10220.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
10326.00†	0.000	180.031	10320.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
10426.00†	0.000	180.031	10420.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
10526.00†	0.000	180.031	10520.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
10626.00†	0.000	180.031	10620.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
10726.00†	0.000	180.031	10720.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
10826.00†	0.000	180.031	10820.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
10926.00†	0.000	180.031	10920.46	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	
10936.59	0.000	180.031	10931.05	48.45	-48.51	114.27	658078.56	401172.30	32°06'6.8757"N	103°49'22.1925"W	0.00	0.00	0.00	Curve KOP
11026.00†	8.941	180.031	11020.10	55.41	-55.47	114.27	658078.56	401165.34	32°06'6.8068"N	103°49'22.1929"W	10.00	10.00	0.00	
11126.00†	18.941	180.031	11117.03	79.47	-79.53	114.26	658078.55	401141.28	32°06'6.5687"N	103°49'22.1944"W	10.00	10.00	0.00	
11226.00†	28.941	180.031	11208.31	120.00	-120.06	114.23	658078.53	401100.75	32°06'6.1677"N	103°49'22.1969"W	10.00	10.00	0.00	
11326.00†	38.941	180.031	11291.17	175.76	-175.82	114.20	658078.50	401044.99	32°06'5.6159"N	103°49'22.2003"W	10.00	10.00	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	PLU 30 Big Sinks #101H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 30 Big Sinks Pad	Wellbore	PLU 30 Big Sinks #101H
Slot	PLU 30 Big Sinks #101H		

WELLPATH DATA (202 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
11426.00†	48.94†	180.03†	11363.08	245.06	-245.12	114.17	658078.46	400975.69	32°06'4.9301"N	103°49'22.2046"W	10.00	10.00	0.00	
11526.00†	58.94†	180.03†	11421.87	325.80	-325.86	114.12	658078.41	400894.96	32°06'4.1311"N	103°49'22.2095"W	10.00	10.00	0.00	
11626.00†	68.94†	180.03†	11465.74	415.52	-415.58	114.07	658078.37	400805.24	32°06'3.2433"N	103°49'22.2150"W	10.00	10.00	0.00	
11726.00†	78.94†	180.03†	11493.37	511.50	-511.56	114.02	658078.31	400709.27	32°06'2.2936"N	103°49'22.2209"W	10.00	10.00	0.00	
11826.00†	88.94†	180.03†	11503.91	610.81	-610.87	113.97	658078.26	400609.97	32°06'1.3108"N	103°49'22.2270"W	10.00	10.00	0.00	
11839.60	90.30†	180.03†	11504.00	624.41	-624.47	113.96	658078.25	400596.37	32°06'1.1762"N	103°49'22.2278"W	10.00	10.00	0.00	LP 69' From FTP
11926.00†	90.30†	180.03†	11503.55	710.81	-710.87	113.91	658078.21	400509.97	32°06'0.3212"N	103°49'22.2331"W	0.00	0.00	0.00	
12026.00†	90.30†	180.03†	11503.02	810.81	-810.87	113.86	658078.15	400409.98	32°05'59.3317"N	103°49'22.2393"W	0.00	0.00	0.00	
12126.00†	90.30†	180.03†	11502.49	910.81	-910.87	113.81	658078.10	400309.99	32°05'58.3422"N	103°49'22.2454"W	0.00	0.00	0.00	
12226.00†	90.30†	180.03†	11501.97	1010.81	-1010.87	113.75	658078.04	400210.00	32°05'57.3526"N	103°49'22.2515"W	0.00	0.00	0.00	
12326.00†	90.30†	180.03†	11501.44	1110.81	-1110.87	113.70	658077.99	400110.01	32°05'56.3631"N	103°49'22.2577"W	0.00	0.00	0.00	
12426.00†	90.30†	180.03†	11500.92	1210.81	-1210.86	113.64	658077.94	400010.01	32°05'55.3735"N	103°49'22.2638"W	0.00	0.00	0.00	
12526.00†	90.30†	180.03†	11500.39	1310.80	-1310.86	113.59	658077.88	399910.02	32°05'54.3840"N	103°49'22.2699"W	0.00	0.00	0.00	
12626.00†	90.30†	180.03†	11499.87	1410.80	-1410.86	113.54	658077.83	399810.03	32°05'53.3945"N	103°49'22.2761"W	0.00	0.00	0.00	
12726.00†	90.30†	180.03†	11499.34	1510.80	-1510.86	113.48	658077.77	399710.04	32°05'52.4049"N	103°49'22.2822"W	0.00	0.00	0.00	
12826.00†	90.30†	180.03†	11498.82	1610.80	-1610.86	113.43	658077.72	399610.04	32°05'51.4154"N	103°49'22.2883"W	0.00	0.00	0.00	
12926.00†	90.30†	180.03†	11498.29	1710.80	-1710.86	113.37	658077.67	399510.05	32°05'50.4259"N	103°49'22.2945"W	0.00	0.00	0.00	
13026.00†	90.30†	180.03†	11497.77	1810.80	-1810.86	113.32	658077.61	399410.06	32°05'49.4363"N	103°49'22.3006"W	0.00	0.00	0.00	
13126.00†	90.30†	180.03†	11497.24	1910.80	-1910.86	113.26	658077.56	399310.07	32°05'48.4468"N	103°49'22.3067"W	0.00	0.00	0.00	
13226.00†	90.30†	180.03†	11496.71	2010.79	-2010.85	113.21	658077.50	399210.08	32°05'47.4572"N	103°49'22.3129"W	0.00	0.00	0.00	
13326.00†	90.30†	180.03†	11496.19	2110.79	-2110.85	113.16	658077.45	399110.08	32°05'46.4677"N	103°49'22.3190"W	0.00	0.00	0.00	
13426.00†	90.30†	180.03†	11495.66	2210.79	-2210.85	113.10	658077.40	399010.09	32°05'45.4782"N	103°49'22.3251"W	0.00	0.00	0.00	
13526.00†	90.30†	180.03†	11495.14	2310.79	-2310.85	113.05	658077.34	398910.10	32°05'44.4886"N	103°49'22.3313"W	0.00	0.00	0.00	
13626.00†	90.30†	180.03†	11494.61	2410.79	-2410.85	112.99	658077.29	398810.11	32°05'43.4991"N	103°49'22.3374"W	0.00	0.00	0.00	
13726.00†	90.30†	180.03†	11494.09	2510.79	-2510.85	112.94	658077.23	398710.11	32°05'42.5095"N	103°49'22.3435"W	0.00	0.00	0.00	
13826.00†	90.30†	180.03†	11493.56	2610.79	-2610.85	112.89	658077.18	398610.12	32°05'41.5200"N	103°49'22.3496"W	0.00	0.00	0.00	
13926.00†	90.30†	180.03†	11493.04	2710.78	-2710.84	112.83	658077.12	398510.13	32°05'40.5305"N	103°49'22.3558"W	0.00	0.00	0.00	
14026.00†	90.30†	180.03†	11492.51	2810.78	-2810.84	112.78	658077.07	398410.14	32°05'39.5409"N	103°49'22.3619"W	0.00	0.00	0.00	
14126.00†	90.30†	180.03†	11491.99	2910.78	-2910.84	112.72	658077.02	398310.15	32°05'38.5514"N	103°49'22.3680"W	0.00	0.00	0.00	
14226.00†	90.30†	180.03†	11491.46	3010.78	-3010.84	112.67	658076.96	398210.15	32°05'37.5618"N	103°49'22.3742"W	0.00	0.00	0.00	



Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	PLU 30 Big Sinks #101H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 30 Big Sinks Pad	Wellbore	PLU 30 Big Sinks #101H
Slot	PLU 30 Big Sinks #101H		

WELLPATH DATA (202 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
14326.00†	90.301	180.031	11490.94	3110.78	-3110.84	112.62	658076.91	398110.16	32°05'36.5723"N	103°49'22.3803"W	0.00	0.00	0.00	
14426.00†	90.301	180.031	11490.41	3210.78	-3210.84	112.56	658076.85	398010.17	32°05'35.5828"N	103°49'22.3864"W	0.00	0.00	0.00	
14526.00†	90.301	180.031	11489.88	3310.78	-3310.84	112.51	658076.80	397910.18	32°05'34.5932"N	103°49'22.3926"W	0.00	0.00	0.00	
14626.00†	90.301	180.031	11489.36	3410.77	-3410.83	112.45	658076.75	397810.19	32°05'33.6037"N	103°49'22.3987"W	0.00	0.00	0.00	
14726.00†	90.301	180.031	11488.83	3510.77	-3510.83	112.40	658076.69	397710.19	32°05'32.6141"N	103°49'22.4048"W	0.00	0.00	0.00	
14826.00†	90.301	180.031	11488.31	3610.77	-3610.83	112.35	658076.64	397610.20	32°05'31.6246"N	103°49'22.4110"W	0.00	0.00	0.00	
14926.00†	90.301	180.031	11487.78	3710.77	-3710.83	112.29	658076.58	397510.21	32°05'30.6351"N	103°49'22.4171"W	0.00	0.00	0.00	
15026.00†	90.301	180.031	11487.26	3810.77	-3810.83	112.24	658076.53	397410.22	32°05'29.6455"N	103°49'22.4232"W	0.00	0.00	0.00	
15126.00†	90.301	180.031	11486.73	3910.77	-3910.83	112.18	658076.48	397310.22	32°05'28.6560"N	103°49'22.4293"W	0.00	0.00	0.00	
15226.00†	90.301	180.031	11486.21	4010.77	-4010.83	112.13	658076.42	397210.23	32°05'27.6664"N	103°49'22.4355"W	0.00	0.00	0.00	
15326.00†	90.301	180.031	11485.68	4110.77	-4110.82	112.07	658076.37	397110.24	32°05'26.6769"N	103°49'22.4416"W	0.00	0.00	0.00	
15426.00†	90.301	180.031	11485.16	4210.76	-4210.82	112.02	658076.31	397010.25	32°05'25.6874"N	103°49'22.4477"W	0.00	0.00	0.00	
15526.00†	90.301	180.031	11484.63	4310.76	-4310.82	111.97	658076.26	396910.26	32°05'24.6978"N	103°49'22.4539"W	0.00	0.00	0.00	
15626.00†	90.301	180.031	11484.10	4410.76	-4410.82	111.91	658076.21	396810.26	32°05'23.7083"N	103°49'22.4600"W	0.00	0.00	0.00	
15726.00†	90.301	180.031	11483.58	4510.76	-4510.82	111.86	658076.15	396710.27	32°05'22.7187"N	103°49'22.4661"W	0.00	0.00	0.00	
15826.00†	90.301	180.031	11483.05	4610.76	-4610.82	111.80	658076.10	396610.28	32°05'21.7292"N	103°49'22.4723"W	0.00	0.00	0.00	
15926.00†	90.301	180.031	11482.53	4710.76	-4710.82	111.75	658076.04	396510.29	32°05'20.7397"N	103°49'22.4784"W	0.00	0.00	0.00	
16026.00†	90.301	180.031	11482.00	4810.76	-4810.81	111.70	658075.99	396410.29	32°05'19.7501"N	103°49'22.4845"W	0.00	0.00	0.00	
16126.00†	90.301	180.031	11481.48	4910.75	-4910.81	111.64	658075.93	396310.30	32°05'18.7606"N	103°49'22.4906"W	0.00	0.00	0.00	
16226.00†	90.301	180.031	11480.95	5010.75	-5010.81	111.59	658075.88	396210.31	32°05'17.7710"N	103°49'22.4968"W	0.00	0.00	0.00	
16326.00†	90.301	180.031	11480.43	5110.75	-5110.81	111.53	658075.83	396110.32	32°05'16.7815"N	103°49'22.5029"W	0.00	0.00	0.00	
16426.00†	90.301	180.031	11479.90	5210.75	-5210.81	111.48	658075.77	396010.33	32°05'15.7920"N	103°49'22.5090"W	0.00	0.00	0.00	
16526.00†	90.301	180.031	11479.38	5310.75	-5310.81	111.43	658075.72	395910.33	32°05'14.8024"N	103°49'22.5152"W	0.00	0.00	0.00	
16626.00†	90.301	180.031	11478.85	5410.75	-5410.81	111.37	658075.66	395810.34	32°05'13.8129"N	103°49'22.5213"W	0.00	0.00	0.00	
16726.00†	90.301	180.031	11478.32	5510.75	-5510.80	111.32	658075.61	395710.35	32°05'12.8233"N	103°49'22.5274"W	0.00	0.00	0.00	
16826.00†	90.301	180.031	11477.80	5610.74	-5610.80	111.26	658075.56	395610.36	32°05'11.8338"N	103°49'22.5335"W	0.00	0.00	0.00	
16926.00†	90.301	180.031	11477.27	5710.74	-5710.80	111.21	658075.50	395510.37	32°05'10.8443"N	103°49'22.5397"W	0.00	0.00	0.00	
17026.00†	90.301	180.031	11476.75	5810.74	-5810.80	111.16	658075.45	395410.37	32°05'9.8547"N	103°49'22.5458"W	0.00	0.00	0.00	
17126.00†	90.301	180.031	11476.22	5910.74	-5910.80	111.10	658075.39	395310.38	32°05'8.8652"N	103°49'22.5519"W	0.00	0.00	0.00	
17226.00†	90.301	180.031	11475.70	6010.74	-6010.80	111.05	658075.34	395210.39	32°05'7.8756"N	103°49'22.5581"W	0.00	0.00	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	PLU 30 Big Sinks #101H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 30 Big Sinks Pad	Wellbore	PLU 30 Big Sinks #101H
Slot	PLU 30 Big Sinks #101H		

WELLPATH DATA (202 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
17326.00†	90.301	180.031	11475.17	6110.74	-6110.80	110.99	658075.29	395110.40	32°05'6.8861"N	103°49'22.5642"W	0.00	0.00	0.00	
17426.00†	90.301	180.031	11474.65	6210.74	-6210.80	110.94	658075.23	395010.40	32°05'5.8966"N	103°49'22.5703"W	0.00	0.00	0.00	
17526.00†	90.301	180.031	11474.12	6310.73	-6310.79	110.88	658075.18	394910.41	32°05'4.9070"N	103°49'22.5764"W	0.00	0.00	0.00	
17626.00†	90.301	180.031	11473.60	6410.73	-6410.79	110.83	658075.12	394810.42	32°05'3.9175"N	103°49'22.5826"W	0.00	0.00	0.00	
17726.00†	90.301	180.031	11473.07	6510.73	-6510.79	110.78	658075.07	394710.43	32°05'2.9279"N	103°49'22.5887"W	0.00	0.00	0.00	
17826.00†	90.301	180.031	11472.54	6610.73	-6610.79	110.72	658075.02	394610.44	32°05'1.9384"N	103°49'22.5948"W	0.00	0.00	0.00	
17926.00†	90.301	180.031	11472.02	6710.73	-6710.79	110.67	658074.96	394510.44	32°05'0.9488"N	103°49'22.6010"W	0.00	0.00	0.00	
18026.00†	90.301	180.031	11471.49	6810.73	-6810.79	110.61	658074.91	394410.45	32°04'59.9593"N	103°49'22.6071"W	0.00	0.00	0.00	
18126.00†	90.301	180.031	11470.97	6910.73	-6910.79	110.56	658074.85	394310.46	32°04'58.9698"N	103°49'22.6132"W	0.00	0.00	0.00	
18226.00†	90.301	180.031	11470.44	7010.73	-7010.78	110.51	658074.80	394210.47	32°04'57.9802"N	103°49'22.6193"W	0.00	0.00	0.00	
18326.00†	90.301	180.031	11469.92	7110.72	-7110.78	110.45	658074.75	394110.47	32°04'56.9907"N	103°49'22.6255"W	0.00	0.00	0.00	
18426.00†	90.301	180.031	11469.39	7210.72	-7210.78	110.40	658074.69	394010.48	32°04'56.0011"N	103°49'22.6316"W	0.00	0.00	0.00	
18526.00†	90.301	180.031	11468.87	7310.72	-7310.78	110.34	658074.64	393910.49	32°04'55.0116"N	103°49'22.6377"W	0.00	0.00	0.00	
18626.00†	90.301	180.031	11468.34	7410.72	-7410.78	110.29	658074.58	393810.50	32°04'54.0221"N	103°49'22.6439"W	0.00	0.00	0.00	
18726.00†	90.301	180.031	11467.82	7510.72	-7510.78	110.24	658074.53	393710.51	32°04'53.0325"N	103°49'22.6500"W	0.00	0.00	0.00	
18826.00†	90.301	180.031	11467.29	7610.72	-7610.78	110.18	658074.47	393610.51	32°04'52.0430"N	103°49'22.6561"W	0.00	0.00	0.00	
18926.00†	90.301	180.031	11466.76	7710.72	-7710.77	110.13	658074.42	393510.52	32°04'51.0534"N	103°49'22.6622"W	0.00	0.00	0.00	
19026.00†	90.301	180.031	11466.24	7810.71	-7810.77	110.07	658074.37	393410.53	32°04'50.0639"N	103°49'22.6684"W	0.00	0.00	0.00	
19126.00†	90.301	180.031	11465.71	7910.71	-7910.77	110.02	658074.31	393310.54	32°04'49.0744"N	103°49'22.6745"W	0.00	0.00	0.00	
19226.00†	90.301	180.031	11465.19	8010.71	-8010.77	109.97	658074.26	393210.55	32°04'48.0848"N	103°49'22.6806"W	0.00	0.00	0.00	
19326.00†	90.301	180.031	11464.66	8110.71	-8110.77	109.91	658074.20	393110.55	32°04'47.0953"N	103°49'22.6867"W	0.00	0.00	0.00	
19334.05	90.301	180.031	11464.62†	8118.76	-8118.82	109.91	658074.20	393102.50	32°04'47.0156"N	103°49'22.6872"W	0.00	0.00	0.00	PBHI (200' FSL)



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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	PLU 30 Big Sinks #101H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 30 Big Sinks Pad	Wellbore	PLU 30 Big Sinks #101H
Slot	PLU 30 Big Sinks #101H		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
1) PLU 30 Big Sinks #101H BHL	19334.05	11464.62	-8118.82	109.91	658074.20	393102.50	32°04'47.0156"N	103°49'22.6872"W	rectangle
	2D Rectangle 7425.35 x 100.								
PLU 30 Big Sinks #101H LTP	N/A	11465.25	-7988.91	109.81	658074.10	393232.40	32°04'48.3011"N	103°49'22.6813"W	point
PLU 30 Big Sinks #101H FTP	N/A	11504.00	-693.54	116.81	658081.10	400527.30	32°06'0.4926"N	103°49'22.1986"W	point

SURVEY PROGRAM - Ref Wellbore: PLU 30 Big Sinks #101H Ref Wellpath: PLU 30 Big Sinks #101H Rev-A.0

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
26.00	10936.59	BH NaviTrak (2019) (Standard)		PLU 30 Big Sinks #101H
10936.59	19334.05	OWSG MWD rev2 + IFR1 + Multi-Station Correction		PLU 30 Big Sinks #101H