OCD – Artesia – REC'D 4/27/2020

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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

5. Lease Serial No.
NMLC061634B

6. If Indian, Allottee or Tribe Name

7. 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 122H

2. Name of Operator
XTO PERMIAN OPERATING LLC
Contact: KELLY KARDOS
E-Mail: kelly_kardos@xtoenergy.com

9. API Well No.
30-015-46942-00-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 515FWL
32.102173 N Lat, 103.824356 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 to Original APD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

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 & 1254FWL to 200FSL & 1356FWL

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 #509598 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 (20PP1907SE)

Name *(Printed/Typed)* KELLY KARDOS — Title REGULATORY COORDINATOR

Signature (Electronic Submission) — Date 04/03/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ALLISON MORENCY — Title PETROLEUM ENGINEER — Date 04/22/2020

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 #509598 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.

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.

Attachments:
C102 & Supplement
Casing/Cement Design
Multibowl Diagram
Directional Plan

Revisions to Operator-Submitted EC Data for Sundry Notice #509598

	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 122H Sec 30 T25S R31E Mer NMP SWNW 2310FNL 515FWL	POKER LAKE UNIT 30 BS 122H Sec 30 T25S R31E 2310FNL 515FWL 32.102173 N Lat, 103.824356 W Lon

Kardos, Kelly

From: amorency@blm.gov
Sent: Wednesday, April 22, 2020 1:50 PM
To: Kardos, Kelly
Subject: Well POKER LAKE UNIT 30 BS 122H
Attachments: EC509598.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 509598. Please be sure to open and save all attachments to this message, since they contain important information.

04/22/20 - AM
All COAs still apply. Offline cementing and shell testing 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	[2] Pool Code	[3] Pool Name
30-015- 46942	98220	PURPLE SAGE; WOLFCAMP

[4] Property Code	[5] Property Name	[6] Well Number
327328	POKER LAKE UNIT 30 BS	122H

[7] OGRID No.	[8] Operator Name	[9] Elevation
373075	XTO PERMIAN OPERATING, LLC.	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	515	WEST	EDDY

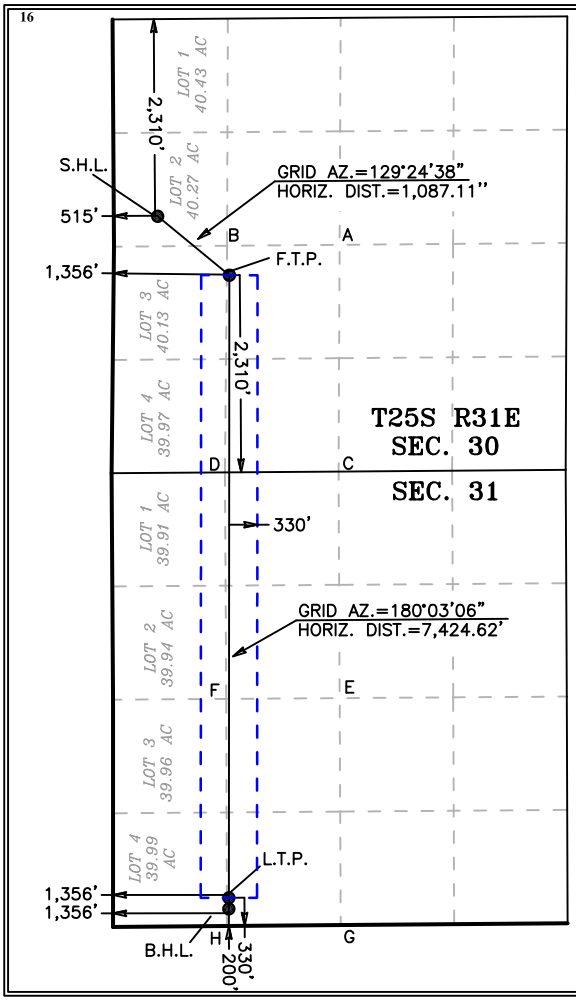
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	31	25 S	31 E		200	SOUTH	1,356	WEST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
479.9			

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]



GEODETIC COORDINATES
SURFACE LOCATION
NAD 27 NME
Y= 401,221.2
X= 657,754.3
LAT.= 32.102048°N
LONG.= 103.823878°W

GEODETIC COORDINATES
SURFACE LOCATION
NAD 83 NME
Y= 401,279.1
X= 698,939.7
LAT.= 32.102173°N
LONG.= 103.824357°W

FIRST TAKE POINT
NAD 27 NME
Y= 400,531.0
X= 658,594.1
LAT.= 32.100140°N
LONG.= 103.821176°W

FIRST TAKE POINT
NAD 83 NME
Y= 400,588.9
X= 699,779.6
LAT.= 32.100265°N
LONG.= 103.821655°W

CORNER COORDINATES TABLE
NAD 83 NME
A - Y= 400,944.7 N, X= 701,070.7 E
B - Y= 400,933.8 N, X= 699,752.5 E
C - Y= 398,288.0 N, X= 701,058.4 E
D - Y= 398,278.5 N, X= 699,727.5 E
E - Y= 395,633.7 N, X= 701,071.1 E
F - Y= 395,624.6 N, X= 699,742.6 E
G - Y= 392,974.7 N, X= 701,083.8 E
H - Y= 392,964.1 N, X= 699,750.1 E

CORNER COORDINATES TABLE
NAD 27 NME
A - Y= 400,886.8 N, X= 659,885.2 E
B - Y= 400,875.9 N, X= 658,567.1 E
C - Y= 398,230.1 N, X= 659,872.8 E
D - Y= 398,220.6 N, X= 658,542.0 E
E - Y= 395,575.9 N, X= 659,885.4 E
F - Y= 395,566.8 N, X= 658,557.0 E
G - Y= 392,917.0 N, X= 659,898.0 E
H - Y= 392,906.4 N, X= 658,564.4 E

LAST TAKE POINT
NAD 27 NME
Y= 393,236.6
X= 658,587.1
LAT.= 32.080088°N
LONG.= 103.821311°W

LAST TAKE POINT
NAD 83 NME
Y= 393,294.3
X= 699,772.8
LAT.= 32.080213°N
LONG.= 103.821789°W

BOTTOM HOLE LOCATION
NAD 27 NME
Y= 393,106.6
X= 658,587.2
LAT.= 32.079731°N
LONG.= 103.821312°W

BOTTOM HOLE LOCATION
NAD 83 NME
Y= 393,164.3
X= 699,772.9
LAT.= 32.079856°N
LONG.= 103.821791°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.

Kelly Kardos — Signature
4-3-20 — 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

Signatue and Seal of Professional Surveyor:

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number

AI 2017071023

RWP 5/01/2020

P:\PROJECTS\2017\2017071023-XTO-POKER_LAKE_UNIT_30_BS_122H-EDDY\DWG\2017071023-XTO-POKER_LAKE_UNIT_30_BS_122H_C-102_UPDATED.dwg

Intent [X] As Drilled [ ]

API #
30-015-46942

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

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
	30	25S	31E	2	2310	NORTH	515	WEST	EDDY

Latitude	Longitude	NAD
32.102173	-103.824357	83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
K	30	25S	31E	31E	2310	SOUTH	1356	WEST	EDDY

Latitude	Longitude	NAD
32.100265	-103.821655	83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
N	31	25S	31E	4	330	SOUTH	1356	WEST	EDDY

Latitude	Longitude	NAD
32.080213	-103.821789	83

Is this well the defining well for the Horizontal Spacing Unit? [Y]

Is this well an infill well? [N]

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 PERMIAN OPERATING, LLC		

KZ 06/29/2018

Poker Lake Unit 30 BS 122H
Projected TD: 19664' MD / 11724' TVD
SHL: 2310' FNL & 515' FWL , Section 30, T25S, R31E
BHL: 200' FSL & 1356' 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" 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	1.55	2.10	2.24
6-3/4"	0' – 10177'	5-1/2"	23	Freedom	P-110	New	1.21	2.07	2.74
6-3/4"	10177' - 19664'	5"	18	CDC-HTQ	P-110 RY	New	1.16	1.92	2.18

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 10,177' and crossed over to 5" 18 ppf casing from 10,177' 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: 50 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 Emuslion	8.6-9.8	30-32	NC
10277' to 19664'	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 122H
Projected TD: 19664' MD / 11724' TVD
SHL: 2310' FNL & 515' FWL , Section 30, T25S, R31E
BHL: 200' FSL & 1356' 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	9710'	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	11469'	Water/Oil/Gas
Target/Land Curve	11724'	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" 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	1.55	2.10	2.24
6-3/4"	0' – 10177'	5-1/2"	23	Freedom	P-110	New	1.21	2.07	2.74
6-3/4"	10177' - 19664'	5"	18	CDC-HTQ	P-110 RY	New	1.16	1.92	2.18

· 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 10,177' and crossed over to 5" 18 ppf semi-flush casing from 10,177' 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 +/- 19664'
Lead: 50 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 4432 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 nippling 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 Emuslion	8.6-9.8	30-32	NC
10277' to 19664'	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.

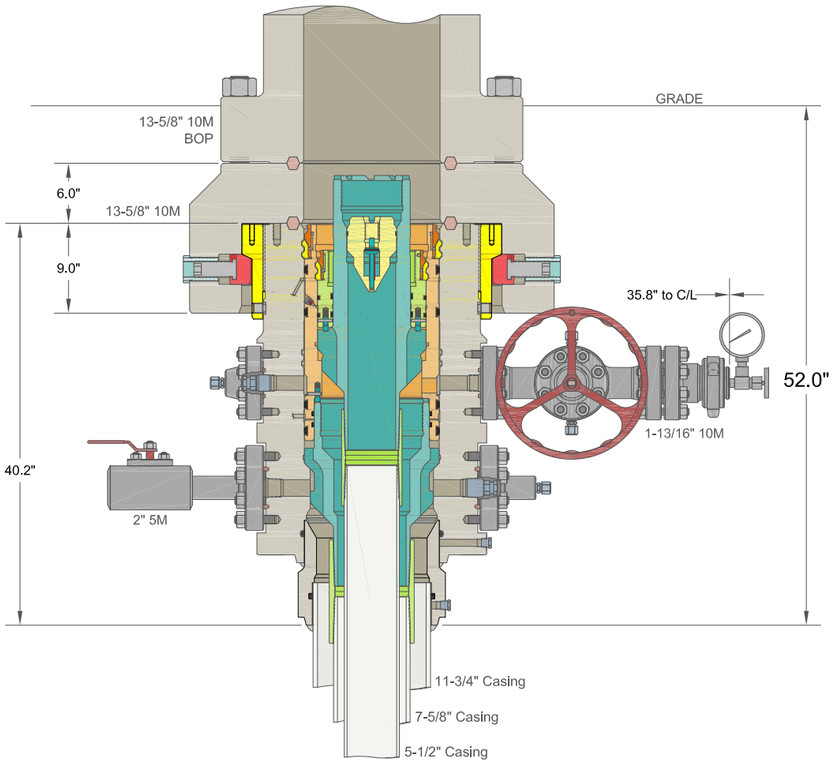
Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

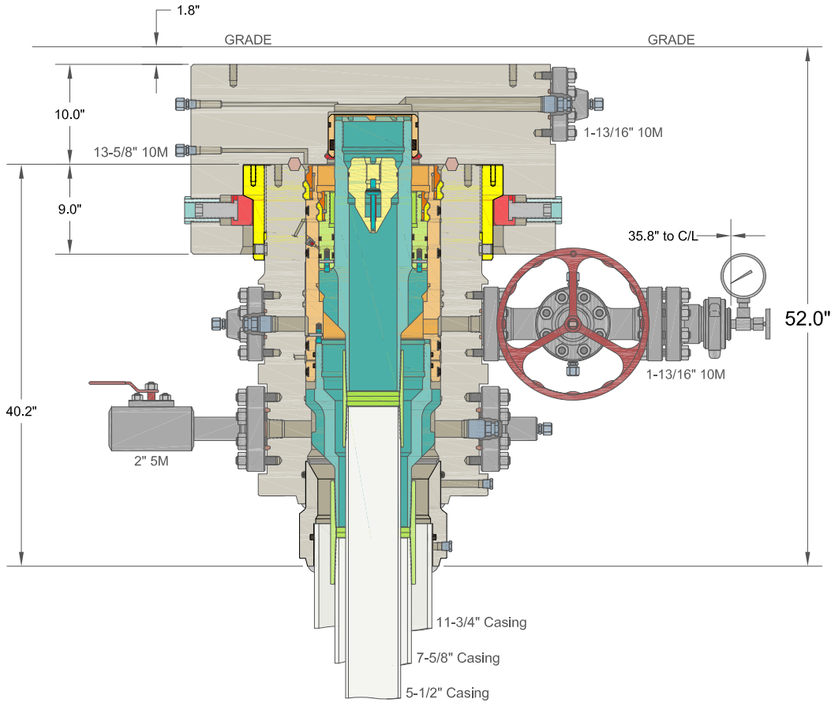
None Anticipated. BHT of 155 to 175 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. 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 7011 psi.

10. Anticipated Starting Date and Duration of Operations

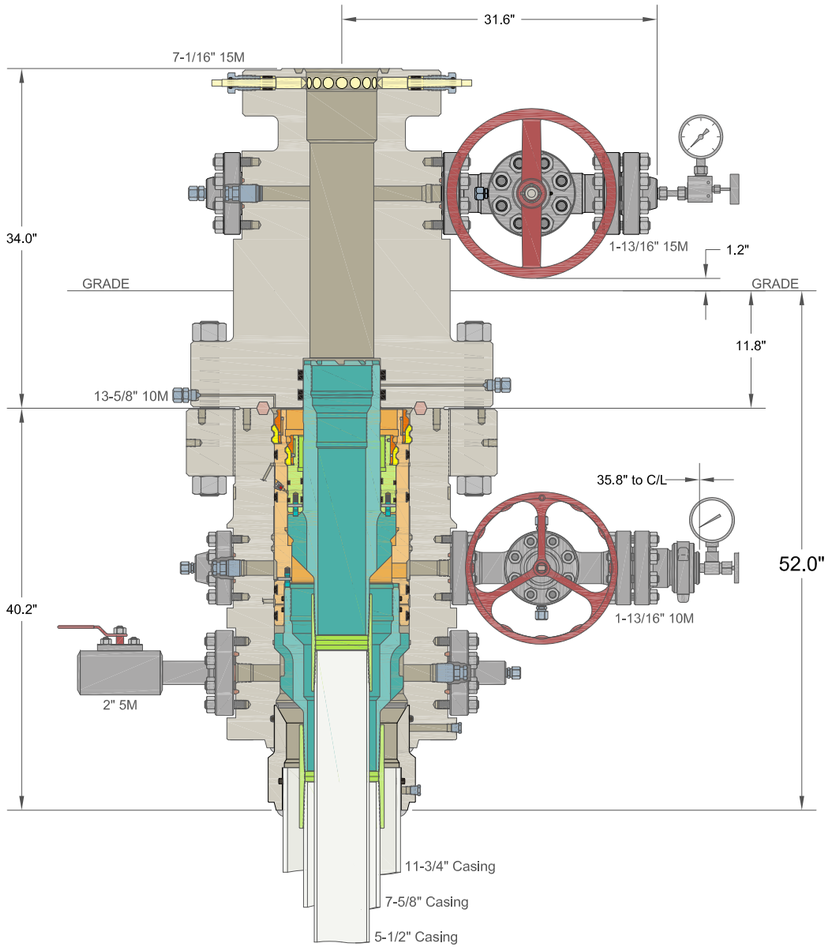
Road and location construction will begin after Santa Fe and BLM have approved the APD. Anticipated spud date will be as soon after Santa Fe and BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 45 days. If production casing is run, an additional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



DRILLING



SKID



COMPLETION

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	

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.

Planned Wellpath Report

PLU 30 Big Sinks #122H Rev-A.0

REFERENCE WELLPATH IDENTIFICATION			
Operator	**XTO Energy Inc.**	Well	**PLU 30 Big Sinks #122H**
Field	**Wolfcamp (Eddy Co., NM)**	API/Legal	
Facility	**PLU 30 Big Sinks Pad**	Wellbore	**PLU 30 Big Sinks #122H**
Slot	**PLU 30 Big Sinks #122H**		

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 **11:22**
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	0.80	120.01	**657754.30**	**401221.20**	32°06'7.3748"N	103°49'25.9596"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 #122H)	**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°**

å

Planned Wellpath Report

PLU 30 Big Sinks #122H Rev-A.0

REFERENCE WELLPATH IDENTIFICATION			
Operator	**XTO Energy Inc.**	Well	**PLU 30 Big Sinks #122H**
Field	**Wolfcamp (Eddy Co., NM)**	API/Legal	
Facility	**PLU 30 Big Sinks Pad**	Wellbore	**PLU 30 Big Sinks #122H**
Slot	**PLU 30 Big Sinks #122H**		

WELLPATH DATA (205 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	90.000	0.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
26.00	0.000	90.000	26.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	Tie On
126.00†	0.000	90.000	126.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
226.00†	0.000	90.000	226.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
326.00†	0.000	90.000	326.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
426.00†	0.000	90.000	426.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
526.00†	0.000	90.000	526.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
626.00†	0.000	90.000	626.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
726.00†	0.000	90.000	726.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
826.00†	0.000	90.000	826.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
926.00†	0.000	90.000	926.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
1026.00†	0.000	90.000	1026.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
1126.00†	0.000	90.000	1126.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
1226.00†	0.000	90.000	1226.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
1326.00†	0.000	90.000	1326.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
1426.00†	0.000	90.000	1426.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
1526.00†	0.000	90.000	1526.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
1626.00†	0.000	90.000	1626.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
1726.00†	0.000	90.000	1726.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
1826.00†	0.000	90.000	1826.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
1926.00†	0.000	90.000	1926.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
2026.00†	0.000	90.000	2026.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
2126.00†	0.000	90.000	2126.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
2226.00†	0.000	90.000	2226.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
2326.00†	0.000	90.000	2326.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
2426.00†	0.000	90.000	2426.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
2526.00†	0.000	90.000	2526.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
2626.00†	0.000	90.000	2626.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
2726.00†	0.000	90.000	2726.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
2826.00†	0.000	90.000	2826.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	

å

Planned Wellpath Report

PLU 30 Big Sinks #122H Rev-A.0

REFERENCE WELLPATH IDENTIFICATION			
Operator	**XTO Energy Inc.**	Well	**PLU 30 Big Sinks #122H**
Field	**Wolfcamp (Eddy Co., NM)**	API/Legal	
Facility	**PLU 30 Big Sinks Pad**	Wellbore	**PLU 30 Big Sinks #122H**
Slot	**PLU 30 Big Sinks #122H**		

WELLPATH DATA (205 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
2926.00†	0.000	90.000	2926.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
3026.00†	0.000	90.000	3026.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
3126.00†	0.000	90.000	3126.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	
3200.00	0.000	90.000	3200.00	0.00	0.00	0.00	657754.30	401221.20	32°06'7.3748"N	103°49'25.9596"W	0.00	0.00	0.00	Begin Nudge
3226.00†	0.520	90.000	3226.00	0.00	0.00	0.12	657754.42	401221.20	32°06'7.3748"N	103°49'25.9582"W	2.00	2.00	0.00	
3326.00†	2.520	90.000	3325.96	0.00	0.00	2.77	657757.07	401221.20	32°06'7.3747"N	103°49'25.9274"W	2.00	2.00	0.00	
3426.00†	4.520	90.000	3425.77	0.00	0.00	8.91	657763.21	401221.20	32°06'7.3744"N	103°49'25.8560"W	2.00	2.00	0.00	
3526.00†	6.520	90.000	3525.30	-0.01	0.00	18.53	657772.83	401221.20	32°06'7.3740"N	103°49'25.7442"W	2.00	2.00	0.00	
3626.00†	8.520	90.000	3624.43	-0.02	0.00	31.62	657785.91	401221.20	32°06'7.3734"N	103°49'25.5921"W	2.00	2.00	0.00	
3700.00	10.000	90.000	3697.47	-0.02	0.00	43.52	657797.82	401221.20	32°06'7.3728"N	103°49'25.4536"W	2.00	2.00	0.00	End of Build
3726.00†	10.000	90.000	3723.07	-0.03	0.00	48.04	657802.33	401221.20	32°06'7.3726"N	103°49'25.4012"W	0.00	0.00	0.00	
3826.00†	10.000	90.000	3821.55	-0.03	0.00	65.40	657819.70	401221.20	32°06'7.3718"N	103°49'25.1993"W	0.00	0.00	0.00	
3926.00†	10.000	90.000	3920.03	-0.04	0.00	82.77	657837.06	401221.20	32°06'7.3710"N	103°49'24.9974"W	0.00	0.00	0.00	
4026.00†	10.000	90.000	4018.51	-0.05	0.00	100.13	657854.43	401221.20	32°06'7.3701"N	103°49'24.7956"W	0.00	0.00	0.00	
4126.00†	10.000	90.000	4116.99	-0.06	0.00	117.50	657871.79	401221.20	32°06'7.3693"N	103°49'24.5937"W	0.00	0.00	0.00	
4226.00†	10.000	90.000	4215.47	-0.07	0.00	134.86	657889.15	401221.20	32°06'7.3685"N	103°49'24.3918"W	0.00	0.00	0.00	
4326.00†	10.000	90.000	4313.96	-0.08	0.00	152.23	657906.52	401221.20	32°06'7.3677"N	103°49'24.1900"W	0.00	0.00	0.00	
4426.00†	10.000	90.000	4412.44	-0.09	0.00	169.59	657923.88	401221.20	32°06'7.3669"N	103°49'23.9881"W	0.00	0.00	0.00	
4526.00†	10.000	90.000	4510.92	-0.10	0.00	186.96	657941.24	401221.20	32°06'7.3661"N	103°49'23.7863"W	0.00	0.00	0.00	
4626.00†	10.000	90.000	4609.40	-0.11	0.00	204.32	657958.61	401221.20	32°06'7.3653"N	103°49'23.5844"W	0.00	0.00	0.00	
4726.00†	10.000	90.000	4707.88	-0.12	0.00	221.69	657975.97	401221.20	32°06'7.3645"N	103°49'23.3825"W	0.00	0.00	0.00	
4826.00†	10.000	90.000	4806.36	-0.13	0.00	239.05	657993.34	401221.20	32°06'7.3636"N	103°49'23.1807"W	0.00	0.00	0.00	
4926.00†	10.000	90.000	4904.84	-0.13	0.00	256.42	658010.70	401221.20	32°06'7.3628"N	103°49'22.9788"W	0.00	0.00	0.00	
5026.00†	10.000	90.000	5003.32	-0.14	0.00	273.78	658028.06	401221.20	32°06'7.3620"N	103°49'22.7769"W	0.00	0.00	0.00	
5126.00†	10.000	90.000	5101.80	-0.15	0.00	291.14	658045.43	401221.20	32°06'7.3612"N	103°49'22.5751"W	0.00	0.00	0.00	
5226.00†	10.000	90.000	5200.28	-0.16	0.00	308.51	658062.79	401221.20	32°06'7.3604"N	103°49'22.3732"W	0.00	0.00	0.00	
5326.00†	10.000	90.000	5298.76	-0.17	0.00	325.87	658080.15	401221.20	32°06'7.3596"N	103°49'22.1714"W	0.00	0.00	0.00	
5426.00†	10.000	90.000	5397.24	-0.18	0.00	343.24	658097.52	401221.20	32°06'7.3588"N	103°49'21.9695"W	0.00	0.00	0.00	
5526.00†	10.000	90.000	5495.72	-0.19	0.00	360.60	658114.88	401221.20	32°06'7.3579"N	103°49'21.7676"W	0.00	0.00	0.00	
5626.00†	10.000	90.000	5594.21	-0.20	0.00	377.97	658132.24	401221.20	32°06'7.3571"N	103°49'21.5658"W	0.00	0.00	0.00	

å

REFERENCE WELLPATH IDENTIFICATION			
Operator	**XTO Energy Inc.**	Well	**PLU 30 Big Sinks #122H**
Field	**Wolfcamp (Eddy Co., NM)**	API/Legal	
Facility	**PLU 30 Big Sinks Pad**	Wellbore	**PLU 30 Big Sinks #122H**
Slot	**PLU 30 Big Sinks #122H**		

WELLPATH DATA (205 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
5726.00†	10.000	90.000	5692.69	-0.21	0.00	395.33	658149.61	401221.20	32°06'7.3563"N	103°49'21.3639"W	0.00	0.00	0.00	
5826.00†	10.000	90.000	5791.17	-0.22	0.00	412.70	658166.97	401221.20	32°06'7.3555"N	103°49'21.1620"W	0.00	0.00	0.00	
5926.00†	10.000	90.000	5889.65	-0.23	0.00	430.06	658184.34	401221.20	32°06'7.3547"N	103°49'20.9602"W	0.00	0.00	0.00	
6026.00†	10.000	90.000	5988.13	-0.23	0.00	447.43	658201.70	401221.20	32°06'7.3539"N	103°49'20.7583"W	0.00	0.00	0.00	
6126.00†	10.000	90.000	6086.61	-0.24	0.00	464.79	658219.06	401221.20	32°06'7.3531"N	103°49'20.5565"W	0.00	0.00	0.00	
6226.00†	10.000	90.000	6185.09	-0.25	0.00	482.16	658236.43	401221.20	32°06'7.3522"N	103°49'20.3546"W	0.00	0.00	0.00	
6326.00†	10.000	90.000	6283.57	-0.26	0.00	499.52	658253.79	401221.20	32°06'7.3514"N	103°49'20.1527"W	0.00	0.00	0.00	
6426.00†	10.000	90.000	6382.05	-0.27	0.00	516.89	658271.15	401221.20	32°06'7.3506"N	103°49'19.9509"W	0.00	0.00	0.00	
6526.00†	10.000	90.000	6480.53	-0.28	0.00	534.25	658288.52	401221.20	32°06'7.3498"N	103°49'19.7490"W	0.00	0.00	0.00	
6626.00†	10.000	90.000	6579.01	-0.29	0.00	551.62	658305.88	401221.20	32°06'7.3490"N	103°49'19.5471"W	0.00	0.00	0.00	
6726.00†	10.000	90.000	6677.49	-0.30	0.00	568.98	658323.25	401221.20	32°06'7.3482"N	103°49'19.3453"W	0.00	0.00	0.00	
6826.00†	10.000	90.000	6775.97	-0.31	0.00	586.35	658340.61	401221.20	32°06'7.3474"N	103°49'19.1434"W	0.00	0.00	0.00	
6926.00†	10.000	90.000	6874.46	-0.32	0.00	603.71	658357.97	401221.20	32°06'7.3465"N	103°49'18.9416"W	0.00	0.00	0.00	
7026.00†	10.000	90.000	6972.94	-0.33	0.00	621.08	658375.34	401221.20	32°06'7.3457"N	103°49'18.7397"W	0.00	0.00	0.00	
7126.00†	10.000	90.000	7071.42	-0.33	0.00	638.44	658392.70	401221.20	32°06'7.3449"N	103°49'18.5378"W	0.00	0.00	0.00	
7226.00†	10.000	90.000	7169.90	-0.34	0.00	655.81	658410.06	401221.20	32°06'7.3441"N	103°49'18.3360"W	0.00	0.00	0.00	
7326.00†	10.000	90.000	7268.38	-0.35	0.00	673.17	658427.43	401221.20	32°06'7.3433"N	103°49'18.1341"W	0.00	0.00	0.00	
7426.00†	10.000	90.000	7366.86	-0.36	0.00	690.54	658444.79	401221.20	32°06'7.3425"N	103°49'17.9323"W	0.00	0.00	0.00	
7526.00†	10.000	90.000	7465.34	-0.37	0.00	707.90	658462.15	401221.20	32°06'7.3417"N	103°49'17.7304"W	0.00	0.00	0.00	
7626.00†	10.000	90.000	7563.82	-0.38	0.00	725.27	658479.52	401221.20	32°06'7.3408"N	103°49'17.5285"W	0.00	0.00	0.00	
7726.00†	10.000	90.000	7662.30	-0.39	0.00	742.63	658496.88	401221.20	32°06'7.3400"N	103°49'17.3267"W	0.00	0.00	0.00	
7826.00†	10.000	90.000	7760.78	-0.40	0.00	759.99	658514.25	401221.20	32°06'7.3392"N	103°49'17.1248"W	0.00	0.00	0.00	
7926.00†	10.000	90.000	7859.26	-0.41	0.00	777.36	658531.61	401221.20	32°06'7.3384"N	103°49'16.9229"W	0.00	0.00	0.00	
8020.00	10.000	90.000	7951.83	-0.42	0.00	793.68	658547.93	401221.20	32°06'7.3376"N	103°49'16.7332"W	0.00	0.00	0.00	End of Hold
8026.00†	9.880	90.000	7957.74	-0.42	0.00	794.72	658548.97	401221.20	32°06'7.3376"N	103°49'16.7212"W	2.00	-2.00	0.00	
8126.00†	7.880	90.000	8056.54	-0.42	0.00	810.15	658564.40	401221.20	32°06'7.3368"N	103°49'16.5417"W	2.00	-2.00	0.00	
8226.00†	5.880	90.000	8155.82	-0.43	0.00	822.13	658576.38	401221.20	32°06'7.3363"N	103°49'16.4025"W	2.00	-2.00	0.00	
8326.00†	3.880	90.000	8255.45	-0.43	0.00	830.64	658584.89	401221.20	32°06'7.3359"N	103°49'16.3036"W	2.00	-2.00	0.00	
8426.00†	1.880	90.000	8355.32	-0.44	0.00	835.66	658589.91	401221.20	32°06'7.3356"N	103°49'16.2452"W	2.00	-2.00	0.00	
8520.00	0.000	180.030	8449.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	2.00	-2.00	0.00	Vertical

å

Planned Wellpath Report

PLU 30 Big Sinks #122H Rev-A.0

REFERENCE WELLPATH IDENTIFICATION			
Operator	**XTO Energy Inc.**	Well	**PLU 30 Big Sinks #122H**
Field	**Wolfcamp (Eddy Co., NM)**	API/Legal	
Facility	**PLU 30 Big Sinks Pad**	Wellbore	**PLU 30 Big Sinks #122H**
Slot	**PLU 30 Big Sinks #122H**		

WELLPATH DATA (205 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	180.030	8455.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
8626.00†	0.000	180.030	8555.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
8726.00†	0.000	180.030	8655.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
8826.00†	0.000	180.030	8755.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
8926.00†	0.000	180.030	8855.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
9026.00†	0.000	180.030	8955.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
9126.00†	0.000	180.030	9055.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
9226.00†	0.000	180.030	9155.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
9326.00†	0.000	180.030	9255.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
9426.00†	0.000	180.030	9355.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
9526.00†	0.000	180.030	9455.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
9626.00†	0.000	180.030	9555.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
9726.00†	0.000	180.030	9655.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
9826.00†	0.000	180.030	9755.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
9926.00†	0.000	180.030	9855.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
10026.00†	0.000	180.030	9955.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
10126.00†	0.000	180.030	10055.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
10226.00†	0.000	180.030	10155.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
10326.00†	0.000	180.030	10255.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
10426.00†	0.000	180.030	10355.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
10526.00†	0.000	180.030	10455.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
10626.00†	0.000	180.030	10555.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
10726.00†	0.000	180.030	10655.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
10826.00†	0.000	180.030	10755.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
10926.00†	0.000	180.030	10855.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
11026.00†	0.000	180.030	10955.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
11126.00†	0.000	180.030	11055.30	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	
11221.76	0.000	180.030	11151.06	-0.44	0.00	837.21	658591.45	401221.20	32°06'7.3356"N	103°49'16.2272"W	0.00	0.00	0.00	Curve KOP
11226.00†	0.424	180.030	11155.30	-0.42	-0.02	837.21	658591.45	401221.18	32°06'7.3354"N	103°49'16.2273"W	10.00	10.00	0.00	
11326.00†	10.424	180.030	11254.73	9.02	-9.46	837.20	658591.45	401211.74	32°06'7.2420"N	103°49'16.2278"W	10.00	10.00	0.00	

å

Planned Wellpath Report

PLU 30 Big Sinks #122H Rev-A.0

REFERENCE WELLPATH IDENTIFICATION			
Operator	**XTO Energy Inc.**	Well	**PLU 30 Big Sinks #122H**
Field	**Wolfcamp (Eddy Co., NM)**	API/Legal	
Facility	**PLU 30 Big Sinks Pad**	Wellbore	**PLU 30 Big Sinks #122H**
Slot	**PLU 30 Big Sinks #122H**		

WELLPATH DATA (205 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†	20.424	180.030	11351.00	35.58	-36.02	837.19	658591.43	401185.18	32°06'6.9792"N	103°49'16.2295"W	10.00	10.00	0.00	
11526.00†	30.424	180.030	11441.20	78.46	-78.90	837.16	658591.41	401142.31	32°06'6.5549"N	103°49'16.2321"W	10.00	10.00	0.00	
11626.00†	40.424	180.030	11522.59	136.35	-136.78	837.13	658591.38	401084.42	32°06'5.9820"N	103°49'16.2356"W	10.00	10.00	0.00	
11726.00†	50.424	180.030	11592.68	207.49	-207.93	837.10	658591.34	401013.29	32°06'5.2780"N	103°49'16.2400"W	10.00	10.00	0.00	
11826.00†	60.424	180.030	11649.36	289.72	-290.16	837.05	658591.30	400931.06	32°06'4.4643"N	103°49'16.2450"W	10.00	10.00	0.00	
11926.00†	70.424	180.030	11690.90	380.55	-380.98	837.01	658591.25	400840.24	32°06'3.5655"N	103°49'16.2506"W	10.00	10.00	0.00	
12026.00†	80.424	180.030	11716.03	477.20	-477.64	836.96	658591.20	400743.59	32°06'2.6090"N	103°49'16.2565"W	10.00	10.00	0.00	
12125.76	90.400	180.030	11724.00	576.52	-576.96	836.90	658591.15	400644.28	32°06'1.6262"N	103°49'16.2626"W	10.00	10.00	0.00	LP 113' From FTP
12126.00†	90.400	180.030	11724.00	576.76	-577.20	836.90	658591.15	400644.04	32°06'1.6239"N	103°49'16.2626"W	0.00	0.00	0.00	
12226.00†	90.400	180.030	11723.30	676.76	-677.20	836.85	658591.10	400544.05	32°06'0.6344"N	103°49'16.2688"W	0.00	0.00	0.00	
12326.00†	90.400	180.030	11722.60	776.75	-777.19	836.80	658591.04	400444.06	32°05'59.6448"N	103°49'16.2749"W	0.00	0.00	0.00	
12426.00†	90.400	180.030	11721.91	876.75	-877.19	836.75	658590.99	400344.07	32°05'58.6553"N	103°49'16.2810"W	0.00	0.00	0.00	
12526.00†	90.400	180.030	11721.21	976.75	-977.19	836.69	658590.94	400244.07	32°05'57.6658"N	103°49'16.2872"W	0.00	0.00	0.00	
12626.00†	90.400	180.030	11720.51	1076.75	-1077.19	836.64	658590.89	400144.08	32°05'56.6763"N	103°49'16.2933"W	0.00	0.00	0.00	
12726.00†	90.400	180.030	11719.81	1176.75	-1177.18	836.59	658590.83	400044.09	32°05'55.6867"N	103°49'16.2994"W	0.00	0.00	0.00	
12826.00†	90.400	180.030	11719.11	1276.74	-1277.18	836.54	658590.78	399944.10	32°05'54.6972"N	103°49'16.3056"W	0.00	0.00	0.00	
12926.00†	90.400	180.030	11718.41	1376.74	-1377.18	836.48	658590.73	399844.11	32°05'53.7077"N	103°49'16.3117"W	0.00	0.00	0.00	
13026.00†	90.400	180.030	11717.71	1476.74	-1477.18	836.43	658590.68	399744.12	32°05'52.7182"N	103°49'16.3178"W	0.00	0.00	0.00	
13126.00†	90.400	180.030	11717.01	1576.74	-1577.17	836.38	658590.63	399644.13	32°05'51.7286"N	103°49'16.3239"W	0.00	0.00	0.00	
13226.00†	90.400	180.030	11716.31	1676.73	-1677.17	836.33	658590.57	399544.14	32°05'50.7391"N	103°49'16.3301"W	0.00	0.00	0.00	
13326.00†	90.400	180.030	11715.62	1776.73	-1777.17	836.27	658590.52	399444.15	32°05'49.7496"N	103°49'16.3362"W	0.00	0.00	0.00	
13426.00†	90.400	180.030	11714.92	1876.73	-1877.17	836.22	658590.47	399344.15	32°05'48.7600"N	103°49'16.3423"W	0.00	0.00	0.00	
13526.00†	90.400	180.030	11714.22	1976.73	-1977.16	836.17	658590.42	399244.16	32°05'47.7705"N	103°49'16.3485"W	0.00	0.00	0.00	
13626.00†	90.400	180.030	11713.52	2076.72	-2077.16	836.12	658590.36	399144.17	32°05'46.7810"N	103°49'16.3546"W	0.00	0.00	0.00	
13726.00†	90.400	180.030	11712.82	2176.72	-2177.16	836.06	658590.31	399044.18	32°05'45.7915"N	103°49'16.3607"W	0.00	0.00	0.00	
13826.00†	90.400	180.030	11712.12	2276.72	-2277.16	836.01	658590.26	398944.19	32°05'44.8019"N	103°49'16.3669"W	0.00	0.00	0.00	
13926.00†	90.400	180.030	11711.42	2376.72	-2377.15	835.96	658590.21	398844.20	32°05'43.8124"N	103°49'16.3730"W	0.00	0.00	0.00	
14026.00†	90.400	180.030	11710.72	2476.71	-2477.15	835.91	658590.15	398744.21	32°05'42.8229"N	103°49'16.3791"W	0.00	0.00	0.00	
14126.00†	90.400	180.030	11710.02	2576.71	-2577.15	835.86	658590.10	398644.22	32°05'41.8333"N	103°49'16.3852"W	0.00	0.00	0.00	
14226.00†	90.400	180.030	11709.33	2676.71	-2677.15	835.80	658590.05	398544.23	32°05'40.8438"N	103°49'16.3914"W	0.00	0.00	0.00	

å

Planned Wellpath Report

PLU 30 Big Sinks #122H Rev-A.0

REFERENCE WELLPATH IDENTIFICATION			
Operator	**XTO Energy Inc.**	Well	**PLU 30 Big Sinks #122H**
Field	**Wolfcamp (Eddy Co., NM)**	API/Legal	
Facility	**PLU 30 Big Sinks Pad**	Wellbore	**PLU 30 Big Sinks #122H**
Slot	**PLU 30 Big Sinks #122H**		

WELLPATH DATA (205 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†	90.400	180.030	11708.63	2776.71	-2777.14	835.75	658590.00	398444.23	32°05'39.8543"N	103°49'16.3975"W	0.00	0.00	0.00	
14426.00†	90.400	180.030	11707.93	2876.70	-2877.14	835.70	658589.94	398344.24	32°05'38.8648"N	103°49'16.4036"W	0.00	0.00	0.00	
14526.00†	90.400	180.030	11707.23	2976.70	-2977.14	835.65	658589.89	398244.25	32°05'37.8752"N	103°49'16.4098"W	0.00	0.00	0.00	
14626.00†	90.400	180.030	11706.53	3076.70	-3077.14	835.59	658589.84	398144.26	32°05'36.8857"N	103°49'16.4159"W	0.00	0.00	0.00	
14726.00†	90.400	180.030	11705.83	3176.70	-3177.13	835.54	658589.79	398044.27	32°05'35.8962"N	103°49'16.4220"W	0.00	0.00	0.00	
14826.00†	90.400	180.030	11705.13	3276.69	-3277.13	835.49	658589.73	397944.28	32°05'34.9066"N	103°49'16.4281"W	0.00	0.00	0.00	
14926.00†	90.400	180.030	11704.43	3376.69	-3377.13	835.44	658589.68	397844.29	32°05'33.9171"N	103°49'16.4343"W	0.00	0.00	0.00	
15026.00†	90.400	180.030	11703.73	3476.69	-3477.13	835.38	658589.63	397744.30	32°05'32.9276"N	103°49'16.4404"W	0.00	0.00	0.00	
15126.00†	90.400	180.030	11703.04	3576.69	-3577.12	835.33	658589.58	397644.31	32°05'31.9381"N	103°49'16.4465"W	0.00	0.00	0.00	
15226.00†	90.400	180.030	11702.34	3676.68	-3677.12	835.28	658589.52	397544.31	32°05'30.9485"N	103°49'16.4527"W	0.00	0.00	0.00	
15326.00†	90.400	180.030	11701.64	3776.68	-3777.12	835.23	658589.47	397444.32	32°05'29.9590"N	103°49'16.4588"W	0.00	0.00	0.00	
15426.00†	90.400	180.030	11700.94	3876.68	-3877.12	835.17	658589.42	397344.33	32°05'28.9695"N	103°49'16.4649"W	0.00	0.00	0.00	
15526.00†	90.400	180.030	11700.24	3976.68	-3977.11	835.12	658589.37	397244.34	32°05'27.9799"N	103°49'16.4710"W	0.00	0.00	0.00	
15626.00†	90.400	180.030	11699.54	4076.67	-4077.11	835.07	658589.32	397144.35	32°05'26.9904"N	103°49'16.4772"W	0.00	0.00	0.00	
15726.00†	90.400	180.030	11698.84	4176.67	-4177.11	835.02	658589.26	397044.36	32°05'26.0009"N	103°49'16.4833"W	0.00	0.00	0.00	
15826.00†	90.400	180.030	11698.14	4276.67	-4277.11	834.96	658589.21	396944.37	32°05'25.0113"N	103°49'16.4894"W	0.00	0.00	0.00	
15926.00†	90.400	180.030	11697.44	4376.67	-4377.10	834.91	658589.16	396844.38	32°05'24.0218"N	103°49'16.4956"W	0.00	0.00	0.00	
16026.00†	90.400	180.030	11696.75	4476.66	-4477.10	834.86	658589.11	396744.39	32°05'23.0323"N	103°49'16.5017"W	0.00	0.00	0.00	
16126.00†	90.400	180.030	11696.05	4576.66	-4577.10	834.81	658589.05	396644.40	32°05'22.0428"N	103°49'16.5078"W	0.00	0.00	0.00	
16226.00†	90.400	180.030	11695.35	4676.66	-4677.10	834.75	658589.00	396544.40	32°05'21.0532"N	103°49'16.5139"W	0.00	0.00	0.00	
16326.00†	90.400	180.030	11694.65	4776.66	-4777.09	834.70	658588.95	396444.41	32°05'20.0637"N	103°49'16.5201"W	0.00	0.00	0.00	
16426.00†	90.400	180.030	11693.95	4876.65	-4877.09	834.65	658588.90	396344.42	32°05'19.0742"N	103°49'16.5262"W	0.00	0.00	0.00	
16526.00†	90.400	180.030	11693.25	4976.65	-4977.09	834.60	658588.84	396244.43	32°05'18.0846"N	103°49'16.5323"W	0.00	0.00	0.00	
16626.00†	90.400	180.030	11692.55	5076.65	-5077.09	834.55	658588.79	396144.44	32°05'17.0951"N	103°49'16.5384"W	0.00	0.00	0.00	
16726.00†	90.400	180.030	11691.85	5176.65	-5177.08	834.49	658588.74	396044.45	32°05'16.1056"N	103°49'16.5446"W	0.00	0.00	0.00	
16826.00†	90.400	180.030	11691.15	5276.64	-5277.08	834.44	658588.69	395944.46	32°05'15.1161"N	103°49'16.5507"W	0.00	0.00	0.00	
16926.00†	90.400	180.030	11690.46	5376.64	-5377.08	834.39	658588.63	395844.47	32°05'14.1265"N	103°49'16.5568"W	0.00	0.00	0.00	
17026.00†	90.400	180.030	11689.76	5476.64	-5477.08	834.34	658588.58	395744.48	32°05'13.1370"N	103°49'16.5630"W	0.00	0.00	0.00	
17126.00†	90.400	180.030	11689.06	5576.64	-5577.08	834.28	658588.53	395644.48	32°05'12.1475"N	103°49'16.5691"W	0.00	0.00	0.00	
17226.00†	90.400	180.030	11688.36	5676.64	-5677.07	834.23	658588.48	395544.49	32°05'11.1579"N	103°49'16.5752"W	0.00	0.00	0.00	

å

Planned Wellpath Report

PLU 30 Big Sinks #122H Rev-A.0

REFERENCE WELLPATH IDENTIFICATION			
Operator	**XTO Energy Inc.**	Well	**PLU 30 Big Sinks #122H**
Field	**Wolfcamp (Eddy Co., NM)**	API/Legal	
Facility	**PLU 30 Big Sinks Pad**	Wellbore	**PLU 30 Big Sinks #122H**
Slot	**PLU 30 Big Sinks #122H**		

WELLPATH DATA (205 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†	90.400	180.030	11687.66	5776.63	-5777.07	834.18	658588.42	395444.50	32°05'10.1684"N	103°49'16.5813"W	0.00	0.00	0.00	
17426.00†	90.400	180.030	11686.96	5876.63	-5877.07	834.13	658588.37	395344.51	32°05'9.1789"N	103°49'16.5875"W	0.00	0.00	0.00	
17526.00†	90.400	180.030	11686.26	5976.63	-5977.07	834.07	658588.32	395244.52	32°05'8.1893"N	103°49'16.5936"W	0.00	0.00	0.00	
17626.00†	90.400	180.030	11685.56	6076.63	-6077.06	834.02	658588.27	395144.53	32°05'7.1998"N	103°49'16.5997"W	0.00	0.00	0.00	
17726.00†	90.400	180.030	11684.87	6176.62	-6177.06	833.97	658588.22	395044.54	32°05'6.2103"N	103°49'16.6058"W	0.00	0.00	0.00	
17826.00†	90.400	180.030	11684.17	6276.62	-6277.06	833.92	658588.16	394944.55	32°05'5.2208"N	103°49'16.6120"W	0.00	0.00	0.00	
17926.00†	90.400	180.030	11683.47	6376.62	-6377.06	833.86	658588.11	394844.56	32°05'4.2312"N	103°49'16.6181"W	0.00	0.00	0.00	
18026.00†	90.400	180.030	11682.77	6476.62	-6477.05	833.81	658588.06	394744.56	32°05'3.2417"N	103°49'16.6242"W	0.00	0.00	0.00	
18126.00†	90.400	180.030	11682.07	6576.61	-6577.05	833.76	658588.01	394644.57	32°05'2.2522"N	103°49'16.6303"W	0.00	0.00	0.00	
18226.00†	90.400	180.030	11681.37	6676.61	-6677.05	833.71	658587.95	394544.58	32°05'1.2626"N	103°49'16.6365"W	0.00	0.00	0.00	
18326.00†	90.400	180.030	11680.67	6776.61	-6777.05	833.65	658587.90	394444.59	32°05'0.2731"N	103°49'16.6426"W	0.00	0.00	0.00	
18426.00†	90.400	180.030	11679.97	6876.61	-6877.04	833.60	658587.85	394344.60	32°04'59.2836"N	103°49'16.6487"W	0.00	0.00	0.00	
18526.00†	90.400	180.030	11679.27	6976.60	-6977.04	833.55	658587.80	394244.61	32°04'58.2940"N	103°49'16.6548"W	0.00	0.00	0.00	
18626.00†	90.400	180.030	11678.58	7076.60	-7077.04	833.50	658587.74	394144.62	32°04'57.3045"N	103°49'16.6610"W	0.00	0.00	0.00	
18726.00†	90.400	180.030	11677.88	7176.60	-7177.04	833.45	658587.69	394044.63	32°04'56.3150"N	103°49'16.6671"W	0.00	0.00	0.00	
18826.00†	90.400	180.030	11677.18	7276.60	-7277.03	833.39	658587.64	393944.64	32°04'55.3254"N	103°49'16.6732"W	0.00	0.00	0.00	
18926.00†	90.400	180.030	11676.48	7376.59	-7377.03	833.34	658587.59	393844.64	32°04'54.3359"N	103°49'16.6793"W	0.00	0.00	0.00	
19026.00†	90.400	180.030	11675.78	7476.59	-7477.03	833.29	658587.53	393744.65	32°04'53.3464"N	103°49'16.6855"W	0.00	0.00	0.00	
19126.00†	90.400	180.030	11675.08	7576.59	-7577.03	833.24	658587.48	393644.66	32°04'52.3569"N	103°49'16.6916"W	0.00	0.00	0.00	
19226.00†	90.400	180.030	11674.38	7676.59	-7677.02	833.18	658587.43	393544.67	32°04'51.3673"N	103°49'16.6977"W	0.00	0.00	0.00	
19326.00†	90.400	180.030	11673.68	7776.58	-7777.02	833.13	658587.38	393444.68	32°04'50.3778"N	103°49'16.7039"W	0.00	0.00	0.00	
19426.00†	90.400	180.030	11672.98	7876.58	-7877.02	833.08	658587.32	393344.69	32°04'49.3883"N	103°49'16.7100"W	0.00	0.00	0.00	
19526.00†	90.400	180.030	11672.29	7976.58	-7977.02	833.03	658587.27	393244.70	32°04'48.3987"N	103°49'16.7161"W	0.00	0.00	0.00	
19626.00†	90.400	180.030	11671.59	8076.58	-8077.01	832.97	658587.22	393144.71	32°04'47.4092"N	103°49'16.7222"W	0.00	0.00	0.00	
19664.11	90.400	180.030	11671.32[1]	8114.69	-8115.12	832.95	658587.20	393106.60	32°04'47.0321"N	103°49'16.7246"W	0.00	0.00	0.00	PBHL (200' FSL)

å

Planned Wellpath Report

PLU 30 Big Sinks #122H Rev-A.0

REFERENCE WELLPATH IDENTIFICATION			
Operator	**XTO Energy Inc.**	Well	**PLU 30 Big Sinks #122H**
Field	**Wolfcamp (Eddy Co., NM)**	API/Legal	
Facility	**PLU 30 Big Sinks Pad**	Wellbore	**PLU 30 Big Sinks #122H**
Slot	**PLU 30 Big Sinks #122H**		

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 Slnks #122H BHL	19664.11	11671.32	-8115.12	832.95	**658587.20**	**393106.60**	32°04'47.0321"N	103°49'16.7246"W	rectangle
	2D Rectangle 7425.17 x 100.								
PLU 30 Big Sinks #122H FTP	N/A	11724.00	-690.24	839.85	**658594.10**	**400531.00**	32°06'0.5051"N	103°49'16.2346"W	point
PLU 30 Big Sinks #122H LTP	N/A	11774.00	-7985.11	832.85	**658587.10**	**393236.60**	32°04'48.3186"N	103°49'16.7186"W	point

SURVEY PROGRAM - Ref Wellbore: PLU 30 Big Sinks #122H Ref Wellpath: PLU 30 Big Sinks #122H Rev-A.0

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
26.00	11221.76	BH NaviTrak (2019) (Standard)		PLU 30 Big Sinks #122H
11221.76	19664.11	OWSG MWD rev2 + IFR1 + Multi-Station Correction		PLU 30 Big Sinks #122H

å