

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.
NMLC061705B

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 ☐ Other8. Well Name and No.
POKER LAKE UNIT 17 TWR 905H

2. Name of Operator

XTO PERMIAN OPERATING LLC

Contact: KELLY KARDOS

E-Mail: kelly_kardos@xtoenergy.com

9. API Well No.

30-015-46717-00-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

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

Sec 20 T24S R31E NWNE 65FNL 1863FEL
32.209969 N Lat, 103.797318 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:

905H

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 formation from Wildcat Bone Spring (oil) to Purple Sage Wolfcamp (gas).

Change SHL from 40FNL & 1863FEL to 65FNL & 1863FEL *NO SURFACE DISTURBANCE

Change BHL from 2440FNL & 2310FEL in Sec. 32-T24S-R31E to 220FSL & 2310FEL in Sec. 29-T24S-R31E.

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

Electronic Submission #513678 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 05/01/2020 (20PP2612SE)

Name (Printed/Typed) KELLY KARDOS

Title REGULATORY COORDINATOR

Signature (Electronic Submission)

Date 05/01/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CODY LAYTON

Title ASSIST FIELD MANAGER LANDS MINERALS

Date 05/14/2020

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 ****

Entered 05/18/2020 - Kurt Simmons NMOCD

Additional data for EC transaction #513678 that would not fit on the form

32. Additional remarks, continued

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 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 and the supporting documentation submitted to the BLM, 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. 2. The first intermediate hole section drilled on the pad will be the deepest. All of the remaining hole sections will be the same depth or shallower. 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:
Updated C102 & Supplement
Casing/Cement Design
Multibowl Diagrams
Directional Plan

Revisions to Operator-Submitted EC Data for Sundry Notice #513678

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMLC061705B	NMLC061705B
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:	WILDCAT BONE SPRING	PURPLE SAGE WOLFCAMP
Well/Facility:	POKER LAKE UNIT 17 TWR 905H Sec 20 T24S R31E Mer NMP NWNE 40FNL 1863FEL	POKER LAKE UNIT 17 TWR 905H Sec 20 T24S R31E NWNE 65FNL 1863FEL 32.209969 N Lat, 103.797318 W Lon

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 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- 46717	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code	⁵ Property Name POKER LAKE UNIT 17 TWR	⁶ Well Number 905H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,519'

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
B	20	24 S	31 E		65	NORTH	1,863	EAST	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
O	29	24 S	31 E		220	SOUTH	2,310	EAST	EDDY

¹² Dedicated Acres 640	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 NAD 27 NME SURFACE LOCATION Y= 440,450.2 X= 665,933.0 LAT.= 32.209776°N LONG.= 103.796835°W FIRST TAKE POINT NAD 27 NME Y= 440,182.3 X= 665,487.7 LAT.= 32.209046°N LONG.= 103.798279°W CORNER COORDINATES TABLE NAD 27 NME A - Y= 440,510.1 N, X= 665,151.3 E B - Y= 440,518.8 N, X= 666,473.4 E C - Y= 437,870.4 N, X= 665,168.1 E D - Y= 437,879.7 N, X= 666,490.0 E E - Y= 435,229.8 N, X= 665,185.0 E F - Y= 435,238.0 N, X= 666,506.6 E G - Y= 432,588.8 N, X= 665,202.3 E H - Y= 432,596.9 N, X= 666,523.3 E I - Y= 429,947.7 N, X= 665,219.5 E J - Y= 429,955.8 N, X= 666,540.2 E CORNER COORDINATES TABLE NAD 83 NME A - Y= 440,568.9 N, X= 706,335.3 E B - Y= 440,577.6 N, X= 707,657.5 E C - Y= 437,929.1 N, X= 706,352.2 E D - Y= 437,938.4 N, X= 707,674.2 E E - Y= 435,288.4 N, X= 706,369.2 E F - Y= 435,296.6 N, X= 707,690.8 E G - Y= 432,647.4 N, X= 706,386.6 E H - Y= 432,655.5 N, X= 707,707.7 E I - Y= 430,006.2 N, X= 706,403.9 E J - Y= 430,014.3 N, X= 707,724.7 E LAST TAKE POINT NAD 27 NME Y= 430,279.7 X= 665,549.1 LAT.= 32.181824°N LONG.= 103.798240°W BOTTOM HOLE LOCATION NAD 27 NME Y= 430,169.7 X= 665,549.8 LAT.= 32.181522°N LONG.= 103.798239°W	GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 440,509.0 X= 707,117.1 LAT.= 32.209900°N LONG.= 103.797318°W FIRST TAKE POINT NAD 83 NME Y= 440,241.1 X= 706,671.8 LAT.= 32.209170°N LONG.= 103.798763°W CORNER COORDINATES TABLE NAD 83 NME A - Y= 440,510.1 N, X= 665,151.3 E B - Y= 440,518.8 N, X= 666,473.4 E C - Y= 437,870.4 N, X= 665,168.1 E D - Y= 437,879.7 N, X= 666,490.0 E E - Y= 435,229.8 N, X= 665,185.0 E F - Y= 435,238.0 N, X= 666,506.6 E G - Y= 432,588.8 N, X= 665,202.3 E H - Y= 432,596.9 N, X= 666,523.3 E I - Y= 429,947.7 N, X= 665,219.5 E J - Y= 429,955.8 N, X= 666,540.2 E CORNER COORDINATES TABLE NAD 83 NME A - Y= 440,568.9 N, X= 706,335.3 E B - Y= 440,577.6 N, X= 707,657.5 E C - Y= 437,929.1 N, X= 706,352.2 E D - Y= 437,938.4 N, X= 707,674.2 E E - Y= 435,288.4 N, X= 706,369.2 E F - Y= 435,296.6 N, X= 707,690.8 E G - Y= 432,647.4 N, X= 706,386.6 E H - Y= 432,655.5 N, X= 707,707.7 E I - Y= 430,006.2 N, X= 706,403.9 E J - Y= 430,014.3 N, X= 707,724.7 E LAST TAKE POINT NAD 83 NME Y= 430,279.7 X= 665,549.1 LAT.= 32.181824°N LONG.= 103.798240°W BOTTOM HOLE LOCATION NAD 83 NME Y= 430,228.2 X= 706,734.2 LAT.= 32.181645°N LONG.= 103.798722°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> 5-1-20 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. 03-17-2020 Date of Survey Signature and Seal of Professional Surveyor: <i>Mark Dillon Harp</i> MARK DILLON HARP 23786 Certificate Number LM/AI 2018010211		

Intent ☒ As Drilled ☐

API # 30-015-46717								
Operator Name: XTO PERMIAN OPERATING, LLC			Property Name: POKER LAKE UNIT 17 TWR			Well Number 905H		

Kick Off Point (KOP)

UL B	Section 20	Township 24S	Range 31E	Lot	Feet 65	From N/S NORTH	Feet 1863	From E/W EAST	County EDDY
Latitude 32.209900					Longitude -103.797318				NAD 83

First Take Point (FTP)

UL B	Section 20	Township 24S	Range 31E	Lot	Feet 330	From N/S NORTH	Feet 2310	From E/W EAST	County EDDY
Latitude 32.209170					Longitude -103.798763				NAD 83

Last Take Point (LTP)

UL O	Section 29	Township 24S	Range 31E	Lot	Feet 330	From N/S SOUTH	Feet 2310	From E/W EAST	County EDDY
Latitude 32.181948					Longitude -103.798722				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 # 30-015-45922								
Operator Name: XTO PERMIAN OPERATING, LLC			Property Name: Poker Lake Unit 17 TWR			Well Number 705H		

KZ 06/29/2018

Poker Lake Unit 17 TWR 905H
 Projected TD: 21850' MD / 11795' TVD
 SHL: 65' FNL & 1863' FEL , Section 20, T24S, R31E
 BHL: 220' FSL & 2310' FEL , Section 29, T24S, R31E
 Eddy County, NM

Casing Design

The surface fresh water sands will be protected by setting 11-3/4" casing @ 867' (100' above the salt) and circulating cement back to surface. The 7-5/8" intermediate casing will be set at 11009' 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 5-1/2" 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' – 867'	11-3/4"	54	BTC	J-55	New	1.23	5.28	18.16
9-7/8"	0' – 11009'	7-5/8"	29.7	BTC	HCL-80	New	1.59	1.96	2.09
6-3/4"	0' – 10909'	5-1/2"	23	Freedom	P-110	New	1.21	2.10	2.03
6-3/4"	10909' - 21850'	5-1/2"	23	TCSF - semi flush	P-110	New	1.21	2.10	1.73

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 10,909' and crossed over to 5-1/2" 23 ppf semi-flush casing from 10,909' to TD.

Request to use 5" BTC Float equipment for the the production casing

WELLHEAD:

Permanent Wellhead – GE RSH Multibowl System

A. Starting Head: 13-5/8" 10M top flange x 11-3/4" Hanger

B. Tubing Head: 13-5/8" 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 may not be present for BOP test plug installation

Cement Program

Surface Casing:

Lead: 260 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 4297'

1st Stage

Lead: 1310 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: 750 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:

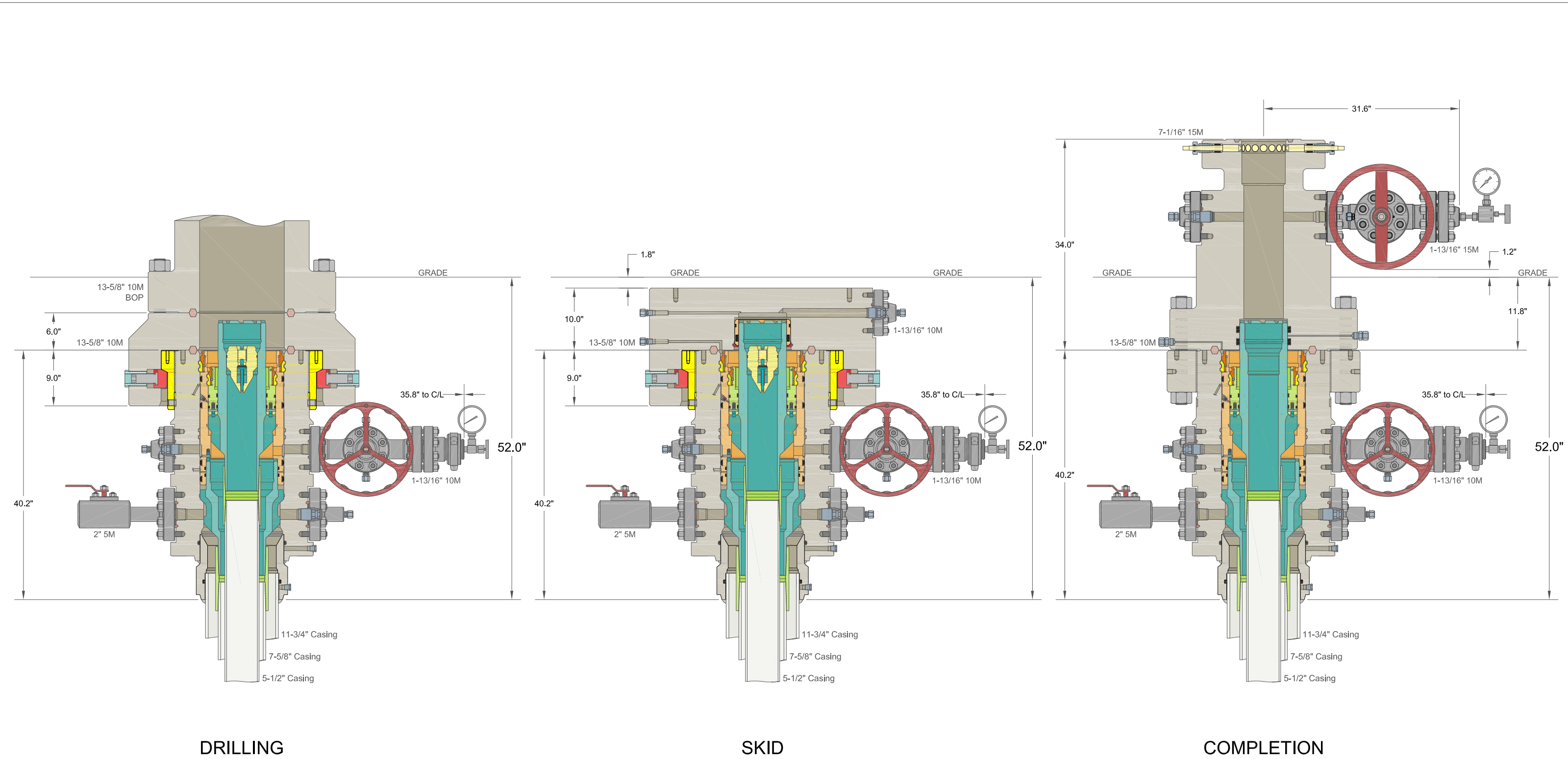
Lead: 20 sxs VersaCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water)

Tail: 760 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' - 867'	14-3/4"	FW / Native	8.4-8.8	35-40	NC
867' - 11009'	9-7/8"	Brine / Cut Brine / Direct Emulsion	8.6-9.8	30-32	NC
11009' to 21850'	6-3/4"	Cut Brine / WBM / OBM	10.8-11.8	32-36	NC



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 17 TWR #905H Permit Plan

Page 1 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	PLU 17 TWR #905H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 17 TWR Pad 1	Wellbore	PLU 17 TWR #905H
Slot	PLU 17 TWR #905H		

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Deergai
Scale	0.999941	Report Generated	4/22/2020 at 1:47:28 PM
Convergence at slot	0.29° East	Database	WA-Houston

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W
Facility Reference Pt			665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W
Field Reference Pt			152400.30	0.00	30°59'42.8458"N	105°26'33.6593"W

WELLPATH DATUM			
Calculation method	Minimum curvature	H&P 552 (RKB) to Facility Vertical Datum	3549.00ft
Horizontal Reference Pt	Slot	H&P 552 (RKB) to Mean Sea Level	3549.00ft
Vertical Reference Pt	H&P 552 (RKB)	H&P 552 (RKB) to Ground Level at Slot (PLU 17 TWR #905H)	30.00ft
MD Reference Pt	H&P 552 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	179.63°



Planned Wellpath Report

PLU 17 TWR #905H Permit Plan

Page 2 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	PLU 17 TWR #905H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 17 TWR Pad 1	Wellbore	PLU 17 TWR #905H
Slot	PLU 17 TWR #905H		

WELLPATH DATA (228 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	270.000	0.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
30.00	0.000	270.000	30.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	Tie On
130.00†	0.000	270.000	130.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
230.00†	0.000	270.000	230.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
330.00†	0.000	270.000	330.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
430.00†	0.000	270.000	430.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
530.00†	0.000	270.000	530.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
630.00†	0.000	270.000	630.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
730.00†	0.000	270.000	730.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
830.00†	0.000	270.000	830.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
930.00†	0.000	270.000	930.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
1030.00†	0.000	270.000	1030.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
1130.00†	0.000	270.000	1130.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
1230.00†	0.000	270.000	1230.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
1330.00†	0.000	270.000	1330.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
1430.00†	0.000	270.000	1430.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
1530.00†	0.000	270.000	1530.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
1630.00†	0.000	270.000	1630.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
1730.00†	0.000	270.000	1730.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
1830.00†	0.000	270.000	1830.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
1930.00†	0.000	270.000	1930.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
2030.00†	0.000	270.000	2030.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
2130.00†	0.000	270.000	2130.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
2230.00†	0.000	270.000	2230.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
2330.00†	0.000	270.000	2330.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
2430.00†	0.000	270.000	2430.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	
2500.00	0.000	270.000	2500.00	0.00	0.00	0.00	665933.00	440450.20	32°12'35.1949"N	103°47'48.6052"W	0.00	0.00	0.00	Begin Nudge
2530.00†	0.600	270.000	2530.00	0.00	0.00	-0.16	665932.84	440450.20	32°12'35.1949"N	103°47'48.6070"W	2.00	2.00	0.00	
2630.00†	2.600	270.000	2629.96	-0.02	0.00	-2.95	665930.05	440450.20	32°12'35.1950"N	103°47'48.6395"W	2.00	2.00	0.00	
2730.00†	4.600	270.000	2729.75	-0.06	0.00	-9.23	665923.77	440450.20	32°12'35.1953"N	103°47'48.7126"W	2.00	2.00	0.00	
2750.00	5.000	270.000	2749.68	-0.07	0.00	-10.90	665922.10	440450.20	32°12'35.1954"N	103°47'48.7321"W	2.00	2.00	0.00	End Build
2830.00†	5.000	270.000	2829.38	-0.12	0.00	-17.87	665915.13	440450.20	32°12'35.1957"N	103°47'48.8132"W	0.00	0.00	0.00	
2930.00†	5.000	270.000	2929.00	-0.17	0.00	-26.59	665906.41	440450.20	32°12'35.1962"N	103°47'48.9147"W	0.00	0.00	0.00	
3030.00†	5.000	270.000	3028.62	-0.23	0.00	-35.30	665897.70	440450.20	32°12'35.1966"N	103°47'49.0161"W	0.00	0.00	0.00	
3130.00†	5.000	270.000	3128.24	-0.28	0.00	-44.02	665888.98	440450.20	32°12'35.1970"N	103°47'49.1175"W	0.00	0.00	0.00	
3230.00†	5.000	270.000	3227.86	-0.34	0.00	-52.74	665880.27	440450.20	32°12'35.1975"N	103°47'49.2190"W	0.00	0.00	0.00	
3330.00†	5.000	270.000	3327.48	-0.40	0.00	-61.45	665871.55	440450.20	32°12'35.1979"N	103°47'49.3204"W	0.00	0.00	0.00	
3430.00†	5.000	270.000	3427.10	-0.45	0.00	-70.17	665862.84	440450.20	32°12'35.1983"N	103°47'49.4219"W	0.00	0.00	0.00	
3530.00†	5.000	270.000	3526.71	-0.51	0.00	-78.88	665854.12	440450.20	32°12'35.1987"N	103°47'49.5233"W	0.00	0.00	0.00	
3630.00†	5.000	270.000	3626.33	-0.57	0.00	-87.60	665845.41	440450.20	32°12'35.1992"N	103°47'49.6247"W	0.00	0.00	0.00	
3730.00†	5.000	270.000	3725.95	-0.62	0.00	-96.31	665836.69	440450.20	32°12'35.1996"N	103°47'49.7262"W	0.00	0.00	0.00	
3830.00†	5.000	270.000	3825.57	-0.68	0.00	-105.03	665827.98	440450.20	32°12'35.2000"N	103°47'49.8276"W	0.00	0.00	0.00	
3930.00†	5.000	270.000	3925.19	-0.73	0.00	-113.75	665819.26	440450.20	32°12'35.2005"N	103°47'49.9290"W	0.00	0.00	0.00	
4030.00†	5.000	270.000	4024.81	-0.79	0.00	-122.46	665810.55	440450.20	32°12'35.2009"N	103°47'50.0305"W	0.00	0.00	0.00	
4130.00†	5.000	270.000	4124.43	-0.85	0.00	-131.18	665801.83	440450.20	32°12'35.2013"N	103°47'50.1319"W	0.00	0.00	0.00	



Planned Wellpath Report

PLU 17 TWR #905H Permit Plan

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REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	PLU 17 TWR #905H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 17 TWR Pad 1	Wellbore	PLU 17 TWR #905H
Slot	PLU 17 TWR #905H		

WELLPATH DATA (228 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
4230.00†	5.000	270.000	4224.05	-0.90	0.00	-139.89	665793.12	440450.20	32°12'35.2018"N	103°47'50.2333"W	0.00	0.00	0.00	
4330.00†	5.000	270.000	4323.67	-0.96	0.00	-148.61	665784.40	440450.20	32°12'35.2022"N	103°47'50.3348"W	0.00	0.00	0.00	
4430.00†	5.000	270.000	4423.29	-1.02	0.00	-157.32	665775.69	440450.20	32°12'35.2026"N	103°47'50.4362"W	0.00	0.00	0.00	
4530.00†	5.000	270.000	4522.91	-1.07	0.00	-166.04	665766.97	440450.20	32°12'35.2030"N	103°47'50.5376"W	0.00	0.00	0.00	
4630.00†	5.000	270.000	4622.53	-1.13	0.00	-174.75	665758.26	440450.20	32°12'35.2035"N	103°47'50.6391"W	0.00	0.00	0.00	
4730.00†	5.000	270.000	4722.15	-1.18	0.00	-183.47	665749.54	440450.20	32°12'35.2039"N	103°47'50.7405"W	0.00	0.00	0.00	
4830.00†	5.000	270.000	4821.77	-1.24	0.00	-192.19	665740.83	440450.20	32°12'35.2043"N	103°47'50.8420"W	0.00	0.00	0.00	
4930.00†	5.000	270.000	4921.39	-1.30	0.00	-200.90	665732.11	440450.20	32°12'35.2048"N	103°47'50.9434"W	0.00	0.00	0.00	
5030.00†	5.000	270.000	5021.01	-1.35	0.00	-209.62	665723.40	440450.20	32°12'35.2052"N	103°47'51.0448"W	0.00	0.00	0.00	
5130.00†	5.000	270.000	5120.63	-1.41	0.00	-218.33	665714.68	440450.20	32°12'35.2056"N	103°47'51.1463"W	0.00	0.00	0.00	
5230.00†	5.000	270.000	5220.25	-1.47	0.00	-227.05	665705.97	440450.20	32°12'35.2061"N	103°47'51.2477"W	0.00	0.00	0.00	
5330.00†	5.000	270.000	5319.87	-1.52	0.00	-235.76	665697.25	440450.20	32°12'35.2065"N	103°47'51.3491"W	0.00	0.00	0.00	
5430.00†	5.000	270.000	5419.48	-1.58	0.00	-244.48	665688.54	440450.20	32°12'35.2069"N	103°47'51.4506"W	0.00	0.00	0.00	
5530.00†	5.000	270.000	5519.10	-1.64	0.00	-253.19	665679.82	440450.20	32°12'35.2073"N	103°47'51.5520"W	0.00	0.00	0.00	
5630.00†	5.000	270.000	5618.72	-1.69	0.00	-261.91	665671.11	440450.20	32°12'35.2078"N	103°47'51.6534"W	0.00	0.00	0.00	
5730.00†	5.000	270.000	5718.34	-1.75	0.00	-270.63	665662.39	440450.20	32°12'35.2082"N	103°47'51.7549"W	0.00	0.00	0.00	
5830.00†	5.000	270.000	5817.96	-1.80	0.00	-279.34	665653.68	440450.20	32°12'35.2086"N	103°47'51.8563"W	0.00	0.00	0.00	
5930.00†	5.000	270.000	5917.58	-1.86	0.00	-288.06	665644.96	440450.20	32°12'35.2091"N	103°47'51.9577"W	0.00	0.00	0.00	
6030.00†	5.000	270.000	6017.20	-1.92	0.00	-296.77	665636.25	440450.20	32°12'35.2095"N	103°47'52.0592"W	0.00	0.00	0.00	
6130.00†	5.000	270.000	6116.82	-1.97	0.00	-305.49	665627.53	440450.20	32°12'35.2099"N	103°47'52.1606"W	0.00	0.00	0.00	
6230.00†	5.000	270.000	6216.44	-2.03	0.00	-314.20	665618.82	440450.20	32°12'35.2104"N	103°47'52.2621"W	0.00	0.00	0.00	
6330.00†	5.000	270.000	6316.06	-2.09	0.00	-322.92	665610.10	440450.20	32°12'35.2108"N	103°47'52.3635"W	0.00	0.00	0.00	
6430.00†	5.000	270.000	6415.68	-2.14	0.00	-331.63	665601.39	440450.20	32°12'35.2112"N	103°47'52.4649"W	0.00	0.00	0.00	
6530.00†	5.000	270.000	6515.30	-2.20	0.00	-340.35	665592.67	440450.20	32°12'35.2116"N	103°47'52.5664"W	0.00	0.00	0.00	
6630.00†	5.000	270.000	6614.92	-2.25	0.00	-349.07	665583.96	440450.20	32°12'35.2121"N	103°47'52.6678"W	0.00	0.00	0.00	
6730.00†	5.000	270.000	6714.54	-2.31	0.00	-357.78	665575.24	440450.20	32°12'35.2125"N	103°47'52.7692"W	0.00	0.00	0.00	
6830.00†	5.000	270.000	6814.16	-2.37	0.00	-366.50	665566.53	440450.20	32°12'35.2129"N	103°47'52.8707"W	0.00	0.00	0.00	
6930.00†	5.000	270.000	6913.78	-2.42	0.00	-375.21	665557.81	440450.20	32°12'35.2134"N	103°47'52.9721"W	0.00	0.00	0.00	
7030.00†	5.000	270.000	7013.40	-2.48	0.00	-383.93	665549.10	440450.20	32°12'35.2138"N	103°47'53.0735"W	0.00	0.00	0.00	
7130.00†	5.000	270.000	7113.02	-2.54	0.00	-392.64	665540.38	440450.20	32°12'35.2142"N	103°47'53.1750"W	0.00	0.00	0.00	
7230.00†	5.000	270.000	7212.64	-2.59	0.00	-401.36	665531.67	440450.20	32°12'35.2146"N	103°47'53.2764"W	0.00	0.00	0.00	
7330.00†	5.000	270.000	7312.25	-2.65	0.00	-410.07	665522.95	440450.20	32°12'35.2151"N	103°47'53.3778"W	0.00	0.00	0.00	
7430.00†	5.000	270.000	7411.87	-2.70	0.00	-418.79	665514.24	440450.20	32°12'35.2155"N	103°47'53.4793"W	0.00	0.00	0.00	
7530.00†	5.000	270.000	7511.49	-2.76	0.00	-427.51	665505.52	440450.20	32°12'35.2159"N	103°47'53.5807"W	0.00	0.00	0.00	
7630.00†	5.000	270.000	7611.11	-2.82	0.00	-436.22	665496.81	440450.20	32°12'35.2164"N	103°47'53.6822"W	0.00	0.00	0.00	
7652.00	5.000	270.000	7633.03	-2.83	0.00	-438.14	665494.89	440450.20	32°12'35.2165"N	103°47'53.7045"W	0.00	0.00	0.00	End of Hold
7730.00†	3.440	270.000	7710.82	-2.87	0.00	-443.88	665489.15	440450.20	32°12'35.2167"N	103°47'53.7713"W	2.00	-2.00	0.00	
7830.00†	1.440	270.000	7810.72	-2.89	0.00	-448.14	665484.89	440450.20	32°12'35.2170"N	103°47'53.8208"W	2.00	-2.00	0.00	
7902.00	0.000	179.633	7882.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	2.00	-2.00	0.00	Vertical
7930.00†	0.000	179.633	7910.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
8030.00†	0.000	179.633	8010.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
8130.00†	0.000	179.633	8110.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
8230.00†	0.000	179.633	8210.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
8330.00†	0.000	179.633	8310.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
8430.00†	0.000	179.633	8410.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	



Planned Wellpath Report

PLU 17 TWR #905H Permit Plan

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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	PLU 17 TWR #905H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 17 TWR Pad 1	Wellbore	PLU 17 TWR #905H
Slot	PLU 17 TWR #905H		

WELLPATH DATA (228 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
8530.00†	0.000	179.633	8510.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
8630.00†	0.000	179.633	8610.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
8730.00†	0.000	179.633	8710.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
8830.00†	0.000	179.633	8810.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
8930.00†	0.000	179.633	8910.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
9030.00†	0.000	179.633	9010.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
9130.00†	0.000	179.633	9110.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
9230.00†	0.000	179.633	9210.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
9330.00†	0.000	179.633	9310.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
9430.00†	0.000	179.633	9410.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
9530.00†	0.000	179.633	9510.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
9630.00†	0.000	179.633	9610.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
9730.00†	0.000	179.633	9710.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
9830.00†	0.000	179.633	9810.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
9930.00†	0.000	179.633	9910.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
10030.00†	0.000	179.633	10010.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
10130.00†	0.000	179.633	10110.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
10230.00†	0.000	179.633	10210.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
10330.00†	0.000	179.633	10310.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
10430.00†	0.000	179.633	10410.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
10530.00†	0.000	179.633	10510.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
10630.00†	0.000	179.633	10610.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
10730.00†	0.000	179.633	10710.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
10830.00†	0.000	179.633	10810.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
10930.00†	0.000	179.633	10910.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
11030.00†	0.000	179.633	11010.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
11130.00†	0.000	179.633	11110.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
11230.00†	0.000	179.633	11210.71	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	
11241.33	0.000	179.633	11222.04	-2.90	0.00	-449.04	665483.99	440450.20	32°12'35.2170"N	103°47'53.8313"W	0.00	0.00	0.00	Curve KOP
11330.00†	8.867	179.633	11310.36	3.95	-6.85	-449.00	665484.03	440443.35	32°12'35.1492"N	103°47'53.8312"W	10.00	10.00	0.00	
11430.00†	18.867	179.633	11407.32	27.88	-30.78	-448.84	665484.18	440419.42	32°12'34.9124"N	103°47'53.8308"W	10.00	10.00	0.00	
11530.00†	28.867	179.633	11498.65	68.30	-71.19	-448.58	665484.44	440379.01	32°12'34.5125"N	103°47'53.8302"W	10.00	10.00	0.00	
11630.00†	38.867	179.633	11581.58	123.95	-126.85	-448.23	665484.80	440323.36	32°12'33.9617"N	103°47'53.8292"W	10.00	10.00	0.00	
11730.00†	48.867	179.633	11653.58	193.16	-196.06	-447.78	665485.24	440254.15	32°12'33.2769"N	103°47'53.8281"W	10.00	10.00	0.00	
11830.00†	58.867	179.633	11712.48	273.83	-276.72	-447.27	665485.76	440173.50	32°12'32.4787"N	103°47'53.8267"W	10.00	10.00	0.00	
11930.00†	68.867	179.633	11756.46	363.49	-366.38	-446.69	665486.33	440083.84	32°12'31.5914"N	103°47'53.8253"W	10.00	10.00	0.00	
12030.00†	78.867	179.633	11784.22	459.43	-462.32	-446.08	665486.95	439987.91	32°12'30.6420"N	103°47'53.8237"W	10.00	10.00	0.00	
12130.00†	88.867	179.633	11794.89	558.73	-561.62	-445.44	665487.58	439888.62	32°12'29.6594"N	103°47'53.8220"W	10.00	10.00	0.00	
12141.33	90.000	179.633	11795.00	570.06	-572.95	-445.37	665487.66	439877.29	32°12'29.5473"N	103°47'53.8218"W	10.00	10.00	0.00	LP 305' Past FTP
12230.00†	90.000	179.633	11795.00	658.73	-661.62	-444.80	665488.23	439788.62	32°12'28.6699"N	103°47'53.8204"W	0.00	0.00	0.00	
12330.00†	90.000	179.633	11795.00	758.73	-761.61	-444.16	665488.87	439688.63	32°12'27.6803"N	103°47'53.8187"W	0.00	0.00	0.00	
12430.00†	90.000	179.633	11795.00	858.73	-861.61	-443.52	665489.51	439588.64	32°12'26.6908"N	103°47'53.8170"W	0.00	0.00	0.00	
12530.00†	90.000	179.633	11795.00	958.73	-961.61	-442.88	665490.15	439488.65	32°12'25.7012"N	103°47'53.8154"W	0.00	0.00	0.00	
12630.00†	90.000	179.633	11795.00	1058.73	-1061.61	-442.24	665490.79	439388.66	32°12'24.7117"N	103°47'53.8137"W	0.00	0.00	0.00	
12730.00†	90.000	179.633	11795.00	1158.73	-1161.61	-441.60	665491.43	439288.67	32°12'23.7221"N	103°47'53.8120"W	0.00	0.00	0.00	



Planned Wellpath Report

PLU 17 TWR #905H Permit Plan

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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	PLU 17 TWR #905H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 17 TWR Pad 1	Wellbore	PLU 17 TWR #905H
Slot	PLU 17 TWR #905H		

WELLPATH DATA (228 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
12830.00†	90.000	179.633	11795.00	1258.73	-1261.60	-440.96	665492.07	439188.67	32°12'22.7326"N	103°47'53.8104"W	0.00	0.00	0.00	
12930.00†	90.000	179.633	11795.00	1358.73	-1361.60	-440.32	665492.71	439088.68	32°12'21.7430"N	103°47'53.8087"W	0.00	0.00	0.00	
13030.00†	90.000	179.633	11795.00	1458.73	-1461.60	-439.68	665493.35	438988.69	32°12'20.7535"N	103°47'53.8071"W	0.00	0.00	0.00	
13130.00†	90.000	179.633	11795.00	1558.73	-1561.60	-439.04	665493.99	438888.70	32°12'19.7639"N	103°47'53.8054"W	0.00	0.00	0.00	
13230.00†	90.000	179.633	11795.00	1658.73	-1661.60	-438.40	665494.63	438788.71	32°12'18.7744"N	103°47'53.8037"W	0.00	0.00	0.00	
13330.00†	90.000	179.633	11795.00	1758.73	-1761.59	-437.76	665495.27	438688.71	32°12'17.7848"N	103°47'53.8021"W	0.00	0.00	0.00	
13430.00†	90.000	179.633	11795.00	1858.73	-1861.59	-437.12	665495.91	438588.72	32°12'16.7953"N	103°47'53.8004"W	0.00	0.00	0.00	
13530.00†	90.000	179.633	11795.00	1958.73	-1961.59	-436.48	665496.55	438488.73	32°12'15.8057"N	103°47'53.7987"W	0.00	0.00	0.00	
13630.00†	90.000	179.633	11795.00	2058.73	-2061.59	-435.83	665497.19	438388.74	32°12'14.8162"N	103°47'53.7971"W	0.00	0.00	0.00	
13730.00†	90.000	179.633	11795.00	2158.73	-2161.59	-435.19	665497.83	438288.75	32°12'13.8266"N	103°47'53.7954"W	0.00	0.00	0.00	
13830.00†	90.000	179.633	11795.00	2258.73	-2261.58	-434.55	665498.47	438188.76	32°12'12.8371"N	103°47'53.7938"W	0.00	0.00	0.00	
13930.00†	90.000	179.633	11795.00	2358.73	-2361.58	-433.91	665499.11	438088.76	32°12'11.8475"N	103°47'53.7921"W	0.00	0.00	0.00	
14030.00†	90.000	179.633	11795.00	2458.73	-2461.58	-433.27	665499.75	437988.77	32°12'10.8580"N	103°47'53.7904"W	0.00	0.00	0.00	
14130.00†	90.000	179.633	11795.00	2558.73	-2561.58	-432.63	665500.39	437888.78	32°12'9.8684"N	103°47'53.7888"W	0.00	0.00	0.00	
14230.00†	90.000	179.633	11795.00	2658.73	-2661.58	-431.99	665501.03	437788.79	32°12'8.8789"N	103°47'53.7871"W	0.00	0.00	0.00	
14330.00†	90.000	179.633	11795.00	2758.73	-2761.57	-431.35	665501.68	437688.80	32°12'7.8893"N	103°47'53.7854"W	0.00	0.00	0.00	
14430.00†	90.000	179.633	11795.00	2858.73	-2861.57	-430.71	665502.32	437588.80	32°12'6.8998"N	103°47'53.7838"W	0.00	0.00	0.00	
14530.00†	90.000	179.633	11795.00	2958.73	-2961.57	-430.07	665502.96	437488.81	32°12'5.9102"N	103°47'53.7821"W	0.00	0.00	0.00	
14630.00†	90.000	179.633	11795.00	3058.73	-3061.57	-429.43	665503.60	437388.82	32°12'4.9207"N	103°47'53.7805"W	0.00	0.00	0.00	
14730.00†	90.000	179.633	11795.00	3158.73	-3161.56	-428.79	665504.24	437288.83	32°12'3.9311"N	103°47'53.7788"W	0.00	0.00	0.00	
14830.00†	90.000	179.633	11795.00	3258.73	-3261.56	-428.15	665504.88	437188.84	32°12'2.9416"N	103°47'53.7771"W	0.00	0.00	0.00	
14930.00†	90.000	179.633	11795.00	3358.73	-3361.56	-427.51	665505.52	437088.85	32°12'1.9520"N	103°47'53.7755"W	0.00	0.00	0.00	
15030.00†	90.000	179.633	11795.00	3458.73	-3461.56	-426.87	665506.16	436988.85	32°12'0.9625"N	103°47'53.7738"W	0.00	0.00	0.00	
15130.00†	90.000	179.633	11795.00	3558.73	-3561.56	-426.23	665506.80	436888.86	32°11'59.9729"N	103°47'53.7721"W	0.00	0.00	0.00	
15230.00†	90.000	179.633	11795.00	3658.73	-3661.55	-425.59	665507.44	436788.87	32°11'58.9834"N	103°47'53.7705"W	0.00	0.00	0.00	
15330.00†	90.000	179.633	11795.00	3758.73	-3761.55	-424.95	665508.08	436688.88	32°11'57.9938"N	103°47'53.7688"W	0.00	0.00	0.00	
15430.00†	90.000	179.633	11795.00	3858.73	-3861.55	-424.31	665508.72	436588.89	32°11'57.0043"N	103°47'53.7672"W	0.00	0.00	0.00	
15530.00†	90.000	179.633	11795.00	3958.73	-3961.55	-423.66	665509.36	436488.89	32°11'56.0147"N	103°47'53.7655"W	0.00	0.00	0.00	
15630.00†	90.000	179.633	11795.00	4058.73	-4061.55	-423.02	665510.00	436388.90	32°11'55.0252"N	103°47'53.7638"W	0.00	0.00	0.00	
15730.00†	90.000	179.633	11795.00	4158.73	-4161.54	-422.38	665510.64	436288.91	32°11'54.0356"N	103°47'53.7622"W	0.00	0.00	0.00	
15830.00†	90.000	179.633	11795.00	4258.73	-4261.54	-421.74	665511.28	436188.92	32°11'53.0461"N	103°47'53.7605"W	0.00	0.00	0.00	
15930.00†	90.000	179.633	11795.00	4358.73	-4361.54	-421.10	665511.92	436088.93	32°11'52.0565"N	103°47'53.7588"W	0.00	0.00	0.00	
16030.00†	90.000	179.633	11795.00	4458.73	-4461.54	-420.46	665512.56	435988.94	32°11'51.0670"N	103°47'53.7572"W	0.00	0.00	0.00	
16130.00†	90.000	179.633	11795.00	4558.73	-4561.54	-419.82	665513.20	435888.94	32°11'50.0774"N	103°47'53.7555"W	0.00	0.00	0.00	
16230.00†	90.000	179.633	11795.00	4658.73	-4661.53	-419.18	665513.84	435788.95	32°11'49.0879"N	103°47'53.7538"W	0.00	0.00	0.00	
16330.00†	90.000	179.633	11795.00	4758.73	-4761.53	-418.54	665514.49	435688.96	32°11'48.0983"N	103°47'53.7522"W	0.00	0.00	0.00	
16430.00†	90.000	179.633	11795.00	4858.73	-4861.53	-417.90	665515.13	435588.97	32°11'47.1088"N	103°47'53.7505"W	0.00	0.00	0.00	
16530.00†	90.000	179.633	11795.00	4958.73	-4961.53	-417.26	665515.77	435488.98	32°11'46.1192"N	103°47'53.7489"W	0.00	0.00	0.00	
16630.00†	90.000	179.633	11795.00	5058.73	-5061.53	-416.62	665516.41	435388.98	32°11'45.1297"N	103°47'53.7472"W	0.00	0.00	0.00	
16730.00†	90.000	179.633	11795.00	5158.73	-5161.52	-415.98	665517.05	435288.99	32°11'44.1401"N	103°47'53.7455"W	0.00	0.00	0.00	
16830.00†	90.000	179.633	11795.00	5258.73	-5261.52	-415.34	665517.69	435189.00	32°11'43.1506"N	103°47'53.7439"W	0.00	0.00	0.00	
16930.00†	90.000	179.633	11795.00	5358.73	-5361.52	-414.70	665518.33	435089.01	32°11'42.1610"N	103°47'53.7422"W	0.00	0.00	0.00	
17030.00†	90.000	179.633	11795.00	5458.73	-5461.52	-414.06	665518.97	434989.02	32°11'41.1715"N	103°47'53.7405"W	0.00	0.00	0.00	
17130.00†	90.000	179.633	11795.00	5558.73	-5561.52	-413.42	665519.61	434889.03	32°11'40.1819"N	103°47'53.7389"W	0.00	0.00	0.00	
17230.00†	90.000	179.633	11795.00	5658.73	-5661.51	-412.78	665520.25	434789.03	32°11'39.1924"N	103°47'53.7372"W	0.00	0.00	0.00	



Planned Wellpath Report

PLU 17 TWR #905H Permit Plan

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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	PLU 17 TWR #905H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 17 TWR Pad 1	Wellbore	PLU 17 TWR #905H
Slot	PLU 17 TWR #905H		

WELLPATH DATA (228 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
17330.00†	90.000	179.633	11795.00	5758.73	-5761.51	-412.14	665520.89	434689.04	32°11'38.2028"N	103°47'53.7356"W	0.00	0.00	0.00	
17430.00†	90.000	179.633	11795.00	5858.73	-5861.51	-411.49	665521.53	434589.05	32°11'37.2133"N	103°47'53.7339"W	0.00	0.00	0.00	
17530.00†	90.000	179.633	11795.00	5958.73	-5961.51	-410.85	665522.17	434489.06	32°11'36.2237"N	103°47'53.7322"W	0.00	0.00	0.00	
17630.00†	90.000	179.633	11795.00	6058.73	-6061.51	-410.21	665522.81	434389.07	32°11'35.2342"N	103°47'53.7306"W	0.00	0.00	0.00	
17730.00†	90.000	179.633	11795.00	6158.73	-6161.50	-409.57	665523.45	434289.07	32°11'34.2446"N	103°47'53.7289"W	0.00	0.00	0.00	
17830.00†	90.000	179.633	11795.00	6258.73	-6261.50	-408.93	665524.09	434189.08	32°11'33.2551"N	103°47'53.7272"W	0.00	0.00	0.00	
17930.00†	90.000	179.633	11795.00	6358.73	-6361.50	-408.29	665524.73	434089.09	32°11'32.2655"N	103°47'53.7256"W	0.00	0.00	0.00	
18030.00†	90.000	179.633	11795.00	6458.73	-6461.50	-407.65	665525.37	433989.10	32°11'31.2760"N	103°47'53.7239"W	0.00	0.00	0.00	
18130.00†	90.000	179.633	11795.00	6558.73	-6561.50	-407.01	665526.01	433889.11	32°11'30.2864"N	103°47'53.7222"W	0.00	0.00	0.00	
18230.00†	90.000	179.633	11795.00	6658.73	-6661.49	-406.37	665526.65	433789.12	32°11'29.2969"N	103°47'53.7206"W	0.00	0.00	0.00	
18330.00†	90.000	179.633	11795.00	6758.73	-6761.49	-405.73	665527.30	433689.12	32°11'28.3073"N	103°47'53.7189"W	0.00	0.00	0.00	
18430.00†	90.000	179.633	11795.00	6858.73	-6861.49	-405.09	665527.94	433589.13	32°11'27.3178"N	103°47'53.7172"W	0.00	0.00	0.00	
18530.00†	90.000	179.633	11795.00	6958.73	-6961.49	-404.45	665528.58	433489.14	32°11'26.3282"N	103°47'53.7156"W	0.00	0.00	0.00	
18630.00†	90.000	179.633	11795.00	7058.73	-7061.48	-403.81	665529.22	433389.15	32°11'25.3387"N	103°47'53.7139"W	0.00	0.00	0.00	
18730.00†	90.000	179.633	11795.00	7158.73	-7161.48	-403.17	665529.86	433289.16	32°11'24.3491"N	103°47'53.7123"W	0.00	0.00	0.00	
18830.00†	90.000	179.633	11795.00	7258.73	-7261.48	-402.53	665530.50	433189.16	32°11'23.3596"N	103°47'53.7106"W	0.00	0.00	0.00	
18930.00†	90.000	179.633	11795.00	7358.73	-7361.48	-401.89	665531.14	433089.17	32°11'22.3700"N	103°47'53.7089"W	0.00	0.00	0.00	
19030.00†	90.000	179.633	11795.00	7458.73	-7461.48	-401.25	665531.78	432989.18	32°11'21.3805"N	103°47'53.7073"W	0.00	0.00	0.00	
19130.00†	90.000	179.633	11795.00	7558.73	-7561.47	-400.61	665532.42	432889.19	32°11'20.3909"N	103°47'53.7056"W	0.00	0.00	0.00	
19230.00†	90.000	179.633	11795.00	7658.73	-7661.47	-399.97	665533.06	432789.20	32°11'19.4014"N	103°47'53.7039"W	0.00	0.00	0.00	
19330.00†	90.000	179.633	11795.00	7758.73	-7761.47	-399.32	665533.70	432689.21	32°11'18.4118"N	103°47'53.7023"W	0.00	0.00	0.00	
19430.00†	90.000	179.633	11795.00	7858.73	-7861.47	-398.68	665534.34	432589.21	32°11'17.4223"N	103°47'53.7006"W	0.00	0.00	0.00	
19530.00†	90.000	179.633	11795.00	7958.73	-7961.47	-398.04	665534.98	432489.22	32°11'16.4327"N	103°47'53.6989"W	0.00	0.00	0.00	
19630.00†	90.000	179.633	11795.00	8058.73	-8061.46	-397.40	665535.62	432389.23	32°11'15.4432"N	103°47'53.6973"W	0.00	0.00	0.00	
19730.00†	90.000	179.633	11795.00	8158.73	-8161.46	-396.76	665536.26	432289.24	32°11'14.4536"N	103°47'53.6956"W	0.00	0.00	0.00	
19830.00†	90.000	179.633	11795.00	8258.73	-8261.46	-396.12	665536.90	432189.25	32°11'13.4641"N	103°47'53.6940"W	0.00	0.00	0.00	
19930.00†	90.000	179.633	11795.00	8358.73	-8361.46	-395.48	665537.54	432089.25	32°11'12.4745"N	103°47'53.6923"W	0.00	0.00	0.00	
20030.00†	90.000	179.633	11795.00	8458.73	-8461.46	-394.84	665538.18	431989.26	32°11'11.4850"N	103°47'53.6906"W	0.00	0.00	0.00	
20130.00†	90.000	179.633	11795.00	8558.73	-8561.45	-394.20	665538.82	431889.27	32°11'10.4954"N	103°47'53.6890"W	0.00	0.00	0.00	
20230.00†	90.000	179.633	11795.00	8658.73	-8661.45	-393.56	665539.46	431789.28	32°11'9.5059"N	103°47'53.6873"W	0.00	0.00	0.00	
20330.00†	90.000	179.633	11795.00	8758.73	-8761.45	-392.92	665540.10	431689.29	32°11'8.5163"N	103°47'53.6856"W	0.00	0.00	0.00	
20430.00†	90.000	179.633	11795.00	8858.73	-8861.45	-392.28	665540.75	431589.30	32°11'7.5268"N	103°47'53.6840"W	0.00	0.00	0.00	
20530.00†	90.000	179.633	11795.00	8958.73	-8961.45	-391.64	665541.39	431489.30	32°11'6.5372"N	103°47'53.6823"W	0.00	0.00	0.00	
20630.00†	90.000	179.633	11795.00	9058.73	-9061.44	-391.00	665542.03	431389.31	32°11'5.5477"N	103°47'53.6806"W	0.00	0.00	0.00	
20730.00†	90.000	179.633	11795.00	9158.73	-9161.44	-390.36	665542.67	431289.32	32°11'4.5581"N	103°47'53.6790"W	0.00	0.00	0.00	
20830.00†	90.000	179.633	11795.00	9258.73	-9261.44	-389.72	665543.31	431189.33	32°11'3.5686"N	103°47'53.6773"W	0.00	0.00	0.00	
20930.00†	90.000	179.633	11795.00	9358.73	-9361.44	-389.08	665543.95	431089.34	32°11'2.5790"N	103°47'53.6756"W	0.00	0.00	0.00	
21030.00†	90.000	179.633	11795.00	9458.73	-9461.44	-388.44	665544.59	430989.34	32°11'1.5895"N	103°47'53.6740"W	0.00	0.00	0.00	
21130.00†	90.000	179.633	11795.00	9558.73	-9561.43	-387.79	665545.23	430889.35	32°11'0.5999"N	103°47'53.6723"W	0.00	0.00	0.00	
21230.00†	90.000	179.633	11795.00	9658.73	-9661.43	-387.15	665545.87	430789.36	32°10'59.6103"N	103°47'53.6706"W	0.00	0.00	0.00	
21330.00†	90.000	179.633	11795.00	9758.73	-9761.43	-386.51	665546.51	430689.37	32°10'58.6208"N	103°47'53.6690"W	0.00	0.00	0.00	
21430.00†	90.000	179.633	11795.00	9858.73	-9861.43	-385.87	665547.15	430589.38	32°10'57.6312"N	103°47'53.6673"W	0.00	0.00	0.00	
21530.00†	90.000	179.633	11795.00	9958.73	-9961.43	-385.23	665547.79	430489.39	32°10'56.6417"N	103°47'53.6656"W	0.00	0.00	0.00	
21630.00†	90.000	179.633	11795.00	10058.73	-10061.42	-384.59	665548.43	430389.39	32°10'55.6521"N	103°47'53.6640"W	0.00	0.00	0.00	
21730.00†	90.000	179.633	11795.00	10158.73	-10161.42	-383.95	665549.07	430289.40	32°10'54.6626"N	103°47'53.6623"W	0.00	0.00	0.00	



Planned Wellpath Report

PLU 17 TWR #905H Permit Plan

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REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	PLU 17 TWR #905H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 17 TWR Pad 1	Wellbore	PLU 17 TWR #905H
Slot	PLU 17 TWR #905H		

WELLPATH DATA (228 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
21739.70	90.000	179.633	11795.00	10168.43	-10171.12	-383.89	665549.13	430279.70	32°10'54.5666"N	103°47'53.6622"W	0.00	0.00	0.00	TP (330' FSL)
21830.00†	90.000	179.633	11795.00	10258.73	-10261.42	-383.31	665549.71	430189.41	32°10'53.6730"N	103°47'53.6607"W	0.00	0.00	0.00	
21849.71	90.000	179.633	11795.00	10278.44	-10281.13	-383.18	665549.84	430169.70	32°10'53.4780"N	103°47'53.6603"W	0.00	0.00	0.00	PBHL (200' FSL)

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
PLU 17 TWR #905H BHL	N/A	11795.00	-10281.13	-383.22	665549.80	430169.70	32°10'53.4780"N	103°47'53.6608"W	rectangle
	2D Rectangle 9708.38 x 50.								
PLU 17 TWR #905H FTP	N/A	11795.00	-267.92	-445.33	665487.70	440182.30	32°12'32.5657"N	103°47'53.8037"W	point
PLU 17 TWR #905H LTP	N/A	11795.00	-10171.12	-383.92	665549.10	430279.70	32°10'54.5666"N	103°47'53.6626"W	point

SURVEY PROGRAM - Ref Wellbore: PLU 17 TWR #905H Ref Wellpath: PLU 17 TWR #905H Permit Plan

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
30.00	11241.33	BH NaviTrak (2019) (Standard)		PLU 17 TWR #905H
11241.33	21849.71	OWSG MWD rev2 + IFR1 + Multi-Station Correction		PLU 17 TWR #905H