

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 ☐ Other

8. Well Name and No.

POKER LAKE UNIT 17 TWR 705H

2. Name of Operator

XTO PERMIAN OPERATING LLC

Contact: KELLY KARDOS

E-Mail: kelly_kardos@xtoenergy.com

9. API Well No.

30-015-45922-00-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 75FNL 1863FEL
32.209873 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:

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

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

Change BHL from 2440FNL & 2310FEL in Sec. 32-T24S-R31E to 220FSL & 1980FWL in Sec. 29-T24S-R31E.

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

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

Electronic Submission #513536 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 (20PP2573SE)

Name (Printed/Typed) KELLY KARDOS

Title REGULATORY COORDINATOR

Signature (Electronic Submission)

Date 04/30/2020

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 - KMS NMOCD

Additional data for EC transaction #513536 that would not fit on the form

32. Additional remarks, continued

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
Casing/Cement Design
Multibowl Diagram
Directional Plan

Revisions to Operator-Submitted EC Data for Sundry Notice #513536

	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 705H Sec 20 T24S R31E Mer NMP NWNE 75FNL 1863FWL	POKER LAKE UNIT 17 TWR 705H Sec 20 T24S R31E NWNE 75FNL 1863FEL 32.209873 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- 45922	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code	⁵ Property Name POKER LAKE UNIT 17 TWR	⁶ Well Number 705H
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		100	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	1,980	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.

	16 SEC. 18 17 SEC. 17 19 SEC. 19 20 SEC. 20 29 SEC. 29 30 SEC. 30 31 SEC. 31 32 SEC. 32	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 440,415.2 X= 665,933.3 LAT.= 32.209680°N LONG.= 103.796834°W FIRST TAKE POINT NAD 27 NME Y= 440,154.5 X= 665,817.7 LAT.= 32.208965°N LONG.= 103.797212°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= 430,281.7 X= 665,879.1 LAT.= 32.181825°N LONG.= 103.797173°W BOTTOM HOLE LOCATION NAD 27 NME Y= 430,171.7 X= 665,879.8 LAT.= 32.181523°N LONG.= 103.797173°W	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Kelly Kardos</i> 4-28-20 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: MARK DILLON HARP 23786 Certificate Number	MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR	
	LM/AI 2018010212		

Intent ☒ As Drilled ☐

API # 30-015-45922			
Operator Name: XTO PERMIAN OPERATING, LLC		Property Name: Poker Lake Unit 17 TWR	Well Number 705H

Kick Off Point (KOP)

UL B	Section 20	Township 24S	Range 31E	Lot	Feet 100	From N/S NORTH	Feet 1863	From E/W EAST	County EDDY
Latitude 32.209804					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 1980	From E/W EAST	County EDDY
Latitude 32.209171					Longitude -103.797696				NAD 83

Last Take Point (LTP)

UL O	Section 29	Township 24S	Range 31E	Lot	Feet 330	From N/S South	Feet 1980	From E/W EAST	County EDDY
Latitude 32.181949					Longitude -103.797656				NAD 83

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

Is this well an infill well? ☐

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

API #			
Operator Name: XTO PERMIAN OPERATING, LLC		Property Name:	Well Number

KZ 06/29/2018

Poker Lake Unit 17 TWR 705H
 Projected TD: 21634' MD / 11632' TVD
 SHL: 100' FNL & 1863' FEL , Section 20, T24S, R31E
 BHL: 220' FSL & 1980' 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 10863' 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	1.25	5.28	18.16
9-7/8"	0' – 10863'	7-5/8"	29.7	BTC	HCL-80	New	1.61	1.99	2.12
6-3/4"	0' – 10763'	5-1/2"	23	Freedom	P-110	New	1.21	2.13	2.07
6-3/4"	10763' - 21634'	5-1/2"	23	TCSF - semi flush	P-110	New	1.21	2.13	1.76

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 10,763' and crossed over to 5-1/2" 23 ppf semi-flush casing from 10,763' 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 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: 1270 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:

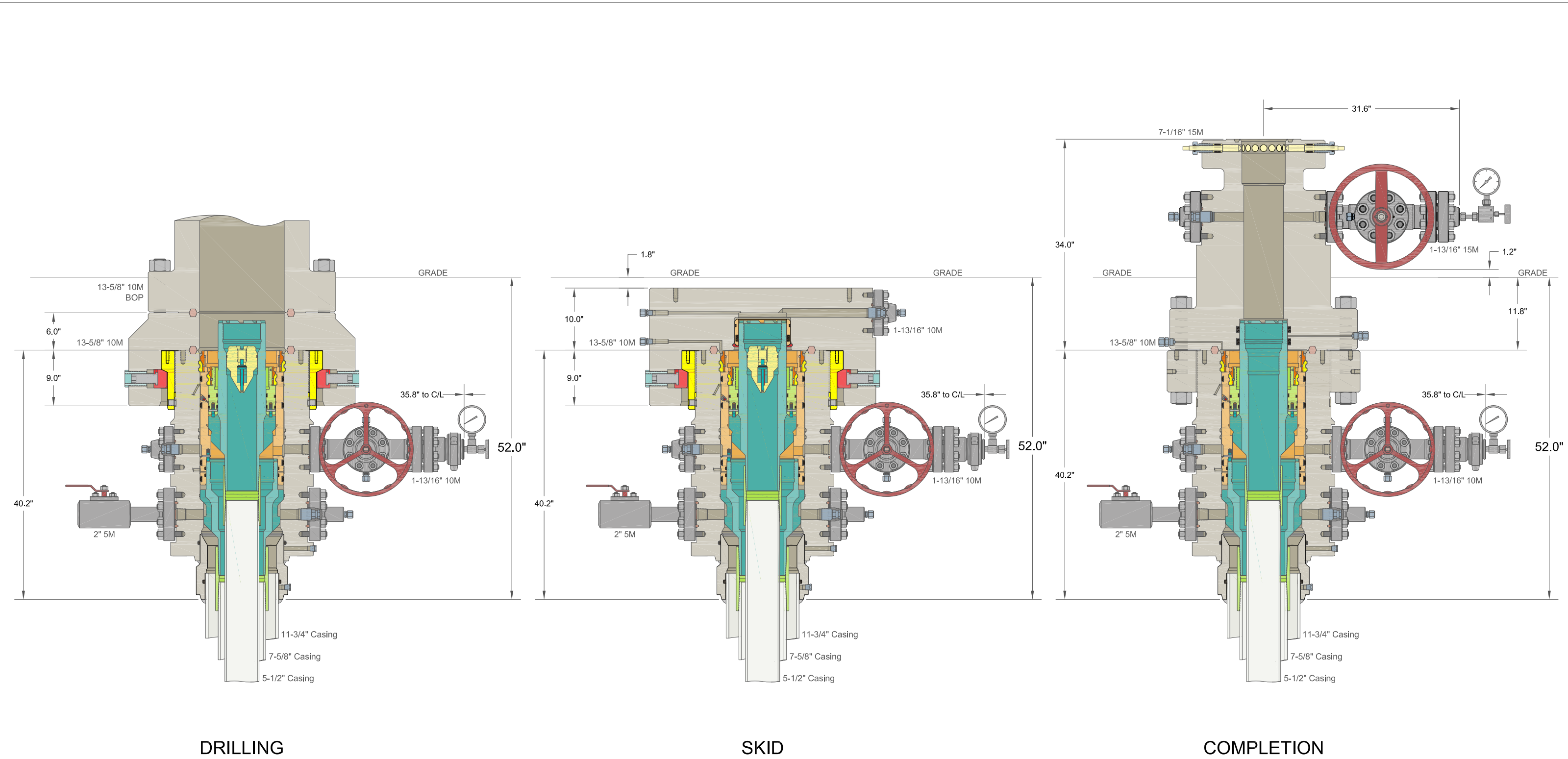
Lead: 20 sxs VersaCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water)

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 = 1500psi

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' - 10863'	9-7/8"	Brine / Cut Brine / Direct Emulsion	8.6-9.8	30-32	NC
10863' to 21634'	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 #705H Permit Plan

Page 1 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	PLU 17 TWR #705H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 17 TWR Pad 1	Wellbore	PLU 17 TWR #705H
Slot	PLU 17 TWR #705H		

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 1:05:50 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	-35.00	0.30	665933.30	440415.20	32°12'34.8485"N	103°47'48.6038"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 #705H)	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 #705H Permit Plan

Page 2 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	PLU 17 TWR #705H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 17 TWR Pad 1	Wellbore	PLU 17 TWR #705H
Slot	PLU 17 TWR #705H		

WELLPATH DATA (226 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	665933.30	440415.20	32°12'34.8485"N	103°47'48.6038"W	0.00	0.00	0.00	
30.00	0.000	270.000	30.00	0.00	0.00	0.00	665933.30	440415.20	32°12'34.8485"N	103°47'48.6038"W	0.00	0.00	0.00	Tie On
130.00†	0.000	270.000	130.00	0.00	0.00	0.00	665933.30	440415.20	32°12'34.8485"N	103°47'48.6038"W	0.00	0.00	0.00	
230.00†	0.000	270.000	230.00	0.00	0.00	0.00	665933.30	440415.20	32°12'34.8485"N	103°47'48.6038"W	0.00	0.00	0.00	
330.00†	0.000	270.000	330.00	0.00	0.00	0.00	665933.30	440415.20	32°12'34.8485"N	103°47'48.6038"W	0.00	0.00	0.00	
430.00†	0.000	270.000	430.00	0.00	0.00	0.00	665933.30	440415.20	32°12'34.8485"N	103°47'48.6038"W	0.00	0.00	0.00	
530.00†	0.000	270.000	530.00	0.00	0.00	0.00	665933.30	440415.20	32°12'34.8485"N	103°47'48.6038"W	0.00	0.00	0.00	
630.00†	0.000	270.000	630.00	0.00	0.00	0.00	665933.30	440415.20	32°12'34.8485"N	103°47'48.6038"W	0.00	0.00	0.00	
730.00†	0.000	270.000	730.00	0.00	0.00	0.00	665933.30	440415.20	32°12'34.8485"N	103°47'48.6038"W	0.00	0.00	0.00	
830.00†	0.000	270.000	830.00	0.00	0.00	0.00	665933.30	440415.20	32°12'34.8485"N	103°47'48.6038"W	0.00	0.00	0.00	
930.00†	0.000	270.000	930.00	0.00	0.00	0.00	665933.30	440415.20	32°12'34.8485"N	103°47'48.6038"W	0.00	0.00	0.00	
1030.00†	0.000	270.000	1030.00	0.00	0.00	0.00	665933.30	440415.20	32°12'34.8485"N	103°47'48.6038"W	0.00	0.00	0.00	
1130.00†	0.000	270.000	1130.00	0.00	0.00	0.00	665933.30	440415.20	32°12'34.8485"N	103°47'48.6038"W	0.00	0.00	0.00	
1230.00†	0.000	270.000	1230.00	0.00	0.00	0.00	665933.30	440415.20	32°12'34.8485"N	103°47'48.6038"W	0.00	0.00	0.00	
1330.00†	0.000	270.000	1330.00	0.00	0.00	0.00	665933.30	440415.20	32°12'34.8485"N	103°47'48.6038"W	0.00	0.00	0.00	
1430.00†	0.000	270.000	1430.00	0.00	0.00	0.00	665933.30	440415.20	32°12'34.8485"N	103°47'48.6038"W	0.00	0.00	0.00	
1500.00	0.000	270.000	1500.00	0.00	0.00	0.00	665933.30	440415.20	32°12'34.8485"N	103°47'48.6038"W	0.00	0.00	0.00	Begin Nudge
1530.00†	0.600	270.000	1530.00	0.00	0.00	-0.16	665933.14	440415.20	32°12'34.8485"N	103°47'48.6056"W	2.00	2.00	0.00	
1630.00†	2.600	270.000	1629.96	-0.02	0.00	-2.95	665930.35	440415.20	32°12'34.8486"N	103°47'48.6381"W	2.00	2.00	0.00	
1700.00	4.000	270.000	1699.84	-0.05	0.00	-6.98	665926.32	440415.20	32°12'34.8488"N	103°47'48.6850"W	2.00	2.00	0.00	End of Build
1730.00†	4.000	270.000	1729.76	-0.06	0.00	-9.07	665924.23	440415.20	32°12'34.8489"N	103°47'48.7093"W	0.00	0.00	0.00	
1830.00†	4.000	270.000	1829.52	-0.10	0.00	-16.05	665917.25	440415.20	32°12'34.8493"N	103°47'48.7905"W	0.00	0.00	0.00	
1930.00†	4.000	270.000	1929.28	-0.15	0.00	-23.02	665910.28	440415.20	32°12'34.8496"N	103°47'48.8717"W	0.00	0.00	0.00	
2030.00†	4.000	270.000	2029.03	-0.19	0.00	-30.00	665903.30	440415.20	32°12'34.8500"N	103°47'48.9529"W	0.00	0.00	0.00	
2130.00†	4.000	270.000	2128.79	-0.24	0.00	-36.97	665896.33	440415.20	32°12'34.8503"N	103°47'49.0341"W	0.00	0.00	0.00	
2230.00†	4.000	270.000	2228.55	-0.28	0.00	-43.95	665889.35	440415.20	32°12'34.8506"N	103°47'49.1153"W	0.00	0.00	0.00	
2330.00†	4.000	270.000	2328.30	-0.33	0.00	-50.93	665882.38	440415.20	32°12'34.8510"N	103°47'49.1964"W	0.00	0.00	0.00	
2430.00†	4.000	270.000	2428.06	-0.37	0.00	-57.90	665875.40	440415.20	32°12'34.8513"N	103°47'49.2776"W	0.00	0.00	0.00	
2530.00†	4.000	270.000	2527.82	-0.42	0.00	-64.88	665868.43	440415.20	32°12'34.8517"N	103°47'49.3588"W	0.00	0.00	0.00	
2630.00†	4.000	270.000	2627.57	-0.46	0.00	-71.85	665861.45	440415.20	32°12'34.8520"N	103°47'49.4400"W	0.00	0.00	0.00	
2730.00†	4.000	270.000	2727.33	-0.51	0.00	-78.83	665854.48	440415.20	32°12'34.8524"N	103°47'49.5212"W	0.00	0.00	0.00	
2830.00†	4.000	270.000	2827.08	-0.55	0.00	-85.80	665847.50	440415.20	32°12'34.8527"N	103°47'49.6024"W	0.00	0.00	0.00	
2930.00†	4.000	270.000	2926.84	-0.60	0.00	-92.78	665840.53	440415.20	32°12'34.8531"N	103°47'49.6836"W	0.00	0.00	0.00	
3030.00†	4.000	270.000	3026.60	-0.64	0.00	-99.75	665833.55	440415.20	32°12'34.8534"N	103°47'49.7647"W	0.00	0.00	0.00	
3130.00†	4.000	270.000	3126.35	-0.69	0.00	-106.73	665826.58	440415.20	32°12'34.8537"N	103°47'49.8459"W	0.00	0.00	0.00	
3210.00	4.000	270.000	3206.16	-0.73	0.00	-112.31	665821.00	440415.20	32°12'34.8540"N	103°47'49.9109"W	0.00	0.00	0.00	End of Hold
3230.00†	3.600	270.000	3226.12	-0.73	0.00	-113.64	665819.67	440415.20	32°12'34.8541"N	103°47'49.9263"W	2.00	-2.00	0.00	
3330.00†	1.600	270.000	3326.01	-0.76	0.00	-118.17	665815.13	440415.20	32°12'34.8543"N	103°47'49.9791"W	2.00	-2.00	0.00	
3410.00	0.000	179.631	3406.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	2.00	-2.00	0.00	Vertical
3430.00†	0.000	179.631	3426.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
3530.00†	0.000	179.631	3526.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
3630.00†	0.000	179.631	3626.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
3730.00†	0.000	179.631	3726.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
3830.00†	0.000	179.631	3826.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
3930.00†	0.000	179.631	3926.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	



Planned Wellpath Report

PLU 17 TWR #705H Permit Plan

Page 3 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	PLU 17 TWR #705H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 17 TWR Pad 1	Wellbore	PLU 17 TWR #705H
Slot	PLU 17 TWR #705H		

WELLPATH DATA (226 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
4030.00†	0.000	179.631	4026.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
4130.00†	0.000	179.631	4126.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
4230.00†	0.000	179.631	4226.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
4330.00†	0.000	179.631	4326.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
4430.00†	0.000	179.631	4426.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
4530.00†	0.000	179.631	4526.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
4630.00†	0.000	179.631	4626.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
4730.00†	0.000	179.631	4726.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
4830.00†	0.000	179.631	4826.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
4930.00†	0.000	179.631	4926.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
5030.00†	0.000	179.631	5026.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
5130.00†	0.000	179.631	5126.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
5230.00†	0.000	179.631	5226.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
5330.00†	0.000	179.631	5326.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
5430.00†	0.000	179.631	5426.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
5530.00†	0.000	179.631	5526.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
5630.00†	0.000	179.631	5626.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
5730.00†	0.000	179.631	5726.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
5830.00†	0.000	179.631	5826.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
5930.00†	0.000	179.631	5926.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
6030.00†	0.000	179.631	6026.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
6130.00†	0.000	179.631	6126.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
6230.00†	0.000	179.631	6226.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
6330.00†	0.000	179.631	6326.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
6430.00†	0.000	179.631	6426.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
6530.00†	0.000	179.631	6526.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
6630.00†	0.000	179.631	6626.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
6730.00†	0.000	179.631	6726.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
6830.00†	0.000	179.631	6826.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
6930.00†	0.000	179.631	6926.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
7030.00†	0.000	179.631	7026.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
7130.00†	0.000	179.631	7126.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
7230.00†	0.000	179.631	7226.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
7330.00†	0.000	179.631	7326.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
7430.00†	0.000	179.631	7426.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
7530.00†	0.000	179.631	7526.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
7630.00†	0.000	179.631	7626.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
7730.00†	0.000	179.631	7726.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
7830.00†	0.000	179.631	7826.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
7930.00†	0.000	179.631	7926.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
8030.00†	0.000	179.631	8026.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
8130.00†	0.000	179.631	8126.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
8230.00†	0.000	179.631	8226.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
8330.00†	0.000	179.631	8326.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
8430.00†	0.000	179.631	8426.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	



Planned Wellpath Report

PLU 17 TWR #705H Permit Plan

Page 4 of 7



REFERENCE WELLPATH IDENTIFICATION													
Operator	XTO Energy Inc.					Well	PLU 17 TWR #705H						
Field	Wolfcamp (Eddy Co., NM)					API/Legal							
Facility	PLU 17 TWR Pad 1					Wellbore	PLU 17 TWR #705H						
Slot	PLU 17 TWR #705H												

WELLPATH DATA (226 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	179.631	8526.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
8630.00†	0.000	179.631	8626.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
8730.00†	0.000	179.631	8726.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
8830.00†	0.000	179.631	8826.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
8930.00†	0.000	179.631	8926.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
9030.00†	0.000	179.631	9026.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
9130.00†	0.000	179.631	9126.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
9230.00†	0.000	179.631	9226.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
9330.00†	0.000	179.631	9326.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
9430.00†	0.000	179.631	9426.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
9530.00†	0.000	179.631	9526.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
9630.00†	0.000	179.631	9626.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
9730.00†	0.000	179.631	9726.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
9830.00†	0.000	179.631	9826.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
9930.00†	0.000	179.631	9926.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
10030.00†	0.000	179.631	10026.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
10130.00†	0.000	179.631	10126.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
10230.00†	0.000	179.631	10226.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
10330.00†	0.000	179.631	10326.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
10430.00†	0.000	179.631	10426.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
10530.00†	0.000	179.631	10526.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
10630.00†	0.000	179.631	10626.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
10730.00†	0.000	179.631	10726.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
10830.00†	0.000	179.631	10826.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
10930.00†	0.000	179.631	10926.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
11030.00†	0.000	179.631	11026.00	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	
11063.04	0.000	179.631	11059.04	-0.77	0.00	-119.29	665814.02	440415.20	32°12'34.8544"N	103°47'49.9921"W	0.00	0.00	0.00	Curve Kop
11130.00†	6.696	179.631	11125.84	3.14	-3.91	-119.26	665814.04	440411.29	32°12'34.8157"N	103°47'49.9920"W	10.00	10.00	0.00	
11230.00†	16.696	179.631	11223.64	23.38	-24.15	-119.13	665814.17	440391.05	32°12'34.6154"N	103°47'49.9917"W	10.00	10.00	0.00	
11330.00†	26.696	179.631	11316.44	60.30	-61.07	-118.90	665814.41	440354.13	32°12'34.2500"N	103°47'49.9911"W	10.00	10.00	0.00	
11430.00†	36.696	179.631	11401.42	112.78	-113.55	-118.56	665814.75	440301.66	32°12'33.7308"N	103°47'49.9902"W	10.00	10.00	0.00	
11530.00†	46.696	179.631	11475.99	179.21	-179.98	-118.13	665815.18	440235.23	32°12'33.0734"N	103°47'49.9891"W	10.00	10.00	0.00	
11630.00†	56.696	179.631	11537.90	257.58	-258.35	-117.63	665815.68	440156.87	32°12'32.2978"N	103°47'49.9877"W	10.00	10.00	0.00	
11730.00†	66.696	179.631	11585.25	345.52	-346.28	-117.06	665816.25	440068.94	32°12'31.4277"N	103°47'49.9862"W	10.00	10.00	0.00	
11830.00†	76.696	179.631	11616.62	440.34	-441.10	-116.45	665816.86	439974.13	32°12'30.4894"N	103°47'49.9846"W	10.00	10.00	0.00	
11930.00†	86.696	179.631	11631.05	539.16	-539.92	-115.81	665817.50	439875.31	32°12'29.5115"N	103°47'49.9830"W	10.00	10.00	0.00	
11963.04	90.000	179.631	11632.00	572.19	-572.95	-115.60	665817.71	439842.29	32°12'29.1847"N	103°47'49.9824"W	10.00	10.00	0.00	LP 312' Past FTP
12030.00†	90.000	179.631	11632.00	639.14	-639.90	-115.17	665818.14	439775.34	32°12'28.5221"N	103°47'49.9813"W	0.00	0.00	0.00	
12130.00†	90.000	179.631	11632.00	739.14	-739.90	-114.52	665818.78	439675.35	32°12'27.5326"N	103°47'49.9796"W	0.00	0.00	0.00	
12230.00†	90.000	179.631	11632.00	839.14	-839.90	-113.88	665819.43	439575.35	32°12'26.5430"N	103°47'49.9779"W	0.00	0.00	0.00	
12330.00†	90.000	179.631	11632.00	939.14	-939.90	-113.24	665820.07	439475.36	32°12'25.5535"N	103°47'49.9762"W	0.00	0.00	0.00	
12430.00†	90.000	179.631	11632.00	1039.14	-1039.89	-112.59	665820.71	439375.37	32°12'24.5639"N	103°47'49.9745"W	0.00	0.00	0.00	
12530.00†	90.000	179.631	11632.00	1139.14	-1139.89	-111.95	665821.36	439275.38	32°12'23.5744"N	103°47'49.9728"W	0.00	0.00	0.00	
12630.00†	90.000	179.631	11632.00	1239.14	-1239.89	-111.30	665822.00	439175.39	32°12'22.5848"N	103°47'49.9711"W	0.00	0.00	0.00	
12730.00†	90.000	179.631	11632.00	1339.14	-1339.89	-110.66	665822.65	439075.40	32°12'21.5953"N	103°47'49.9694"W	0.00	0.00	0.00	



Planned Wellpath Report

PLU 17 TWR #705H Permit Plan

Page 5 of 7



REFERENCE WELLPATH IDENTIFICATION				
Operator	XTO Energy Inc.	Well	PLU 17 TWR #705H	
Field	Wolfcamp (Eddy Co., NM)	API/Legal		
Facility	PLU 17 TWR Pad 1	Wellbore	PLU 17 TWR #705H	
Slot	PLU 17 TWR #705H			

WELLPATH DATA (226 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	179.631	11632.00	1439.14	-1439.88	-110.02	665823.29	438975.40	32°12'20.6057"N	103°47'49.9677"W	0.00	0.00	0.00	
12930.00†	90.000	179.631	11632.00	1539.14	-1539.88	-109.37	665823.93	438875.41	32°12'19.6162"N	103°47'49.9661"W	0.00	0.00	0.00	
13030.00†	90.000	179.631	11632.00	1639.14	-1639.88	-108.73	665824.58	438775.42	32°12'18.6266"N	103°47'49.9644"W	0.00	0.00	0.00	
13130.00†	90.000	179.631	11632.00	1739.14	-1739.88	-108.08	665825.22	438675.43	32°12'17.6371"N	103°47'49.9627"W	0.00	0.00	0.00	
13230.00†	90.000	179.631	11632.00	1839.14	-1839.88	-107.44	665825.87	438575.44	32°12'16.6475"N	103°47'49.9610"W	0.00	0.00	0.00	
13330.00†	90.000	179.631	11632.00	1939.14	-1939.87	-106.80	665826.51	438475.44	32°12'15.6580"N	103°47'49.9593"W	0.00	0.00	0.00	
13430.00†	90.000	179.631	11632.00	2039.14	-2039.87	-106.15	665827.15	438375.45	32°12'14.6684"N	103°47'49.9576"W	0.00	0.00	0.00	
13530.00†	90.000	179.631	11632.00	2139.14	-2139.87	-105.51	665827.80	438275.46	32°12'13.6789"N	103°47'49.9559"W	0.00	0.00	0.00	
13630.00†	90.000	179.631	11632.00	2239.14	-2239.87	-104.86	665828.44	438175.47	32°12'12.6893"N	103°47'49.9542"W	0.00	0.00	0.00	
13730.00†	90.000	179.631	11632.00	2339.14	-2339.87	-104.22	665829.09	438075.48	32°12'11.6998"N	103°47'49.9525"W	0.00	0.00	0.00	
13830.00†	90.000	179.631	11632.00	2439.14	-2439.86	-103.58	665829.73	437975.49	32°12'10.7102"N	103°47'49.9508"W	0.00	0.00	0.00	
13930.00†	90.000	179.631	11632.00	2539.14	-2539.86	-102.93	665830.37	437875.49	32°12'9.7207"N	103°47'49.9491"W	0.00	0.00	0.00	
14030.00†	90.000	179.631	11632.00	2639.14	-2639.86	-102.29	665831.02	437775.50	32°12'8.7311"N	103°47'49.9474"W	0.00	0.00	0.00	
14130.00†	90.000	179.631	11632.00	2739.14	-2739.86	-101.64	665831.66	437675.51	32°12'7.7416"N	103°47'49.9458"W	0.00	0.00	0.00	
14230.00†	90.000	179.631	11632.00	2839.14	-2839.86	-101.00	665832.31	437575.52	32°12'6.7520"N	103°47'49.9441"W	0.00	0.00	0.00	
14330.00†	90.000	179.631	11632.00	2939.14	-2939.85	-100.36	665832.95	437475.53	32°12'5.7625"N	103°47'49.9424"W	0.00	0.00	0.00	
14430.00†	90.000	179.631	11632.00	3039.14	-3039.85	-99.71	665833.59	437375.53	32°12'4.7729"N	103°47'49.9407"W	0.00	0.00	0.00	
14530.00†	90.000	179.631	11632.00	3139.14	-3139.85	-99.07	665834.24	437275.54	32°12'3.7834"N	103°47'49.9390"W	0.00	0.00	0.00	
14630.00†	90.000	179.631	11632.00	3239.14	-3239.85	-98.42	665834.88	437175.55	32°12'2.7938"N	103°47'49.9373"W	0.00	0.00	0.00	
14730.00†	90.000	179.631	11632.00	3339.14	-3339.85	-97.78	665835.53	437075.56	32°12'1.8043"N	103°47'49.9356"W	0.00	0.00	0.00	
14830.00†	90.000	179.631	11632.00	3439.14	-3439.84	-97.14	665836.17	436975.57	32°12'0.8147"N	103°47'49.9339"W	0.00	0.00	0.00	
14930.00†	90.000	179.631	11632.00	3539.14	-3539.84	-96.49	665836.81	436875.58	32°11'59.8252"N	103°47'49.9322"W	0.00	0.00	0.00	
15030.00†	90.000	179.631	11632.00	3639.14	-3639.84	-95.85	665837.46	436775.58	32°11'58.8356"N	103°47'49.9305"W	0.00	0.00	0.00	
15130.00†	90.000	179.631	11632.00	3739.14	-3739.84	-95.20	665838.10	436675.59	32°11'57.8461"N	103°47'49.9288"W	0.00	0.00	0.00	
15230.00†	90.000	179.631	11632.00	3839.14	-3839.84	-94.56	665838.75	436575.60	32°11'56.8565"N	103°47'49.9271"W	0.00	0.00	0.00	
15330.00†	90.000	179.631	11632.00	3939.14	-3939.83	-93.92	665839.39	436475.61	32°11'55.8670"N	103°47'49.9255"W	0.00	0.00	0.00	
15430.00†	90.000	179.631	11632.00	4039.14	-4039.83	-93.27	665840.03	436375.62	32°11'54.8774"N	103°47'49.9238"W	0.00	0.00	0.00	
15530.00†	90.000	179.631	11632.00	4139.14	-4139.83	-92.63	665840.68	436275.63	32°11'53.8879"N	103°47'49.9221"W	0.00	0.00	0.00	
15630.00†	90.000	179.631	11632.00	4239.14	-4239.83	-91.98	665841.32	436175.63	32°11'52.8984"N	103°47'49.9204"W	0.00	0.00	0.00	
15730.00†	90.000	179.631	11632.00	4339.14	-4339.82	-91.34	665841.97	436075.64	32°11'51.9088"N	103°47'49.9187"W	0.00	0.00	0.00	
15830.00†	90.000	179.631	11632.00	4439.14	-4439.82	-90.70	665842.61	435975.65	32°11'50.9193"N	103°47'49.9170"W	0.00	0.00	0.00	
15930.00†	90.000	179.631	11632.00	4539.14	-4539.82	-90.05	665843.25	435875.66	32°11'49.9297"N	103°47'49.9153"W	0.00	0.00	0.00	
16030.00†	90.000	179.631	11632.00	4639.14	-4639.82	-89.41	665843.90	435775.67	32°11'48.9402"N	103°47'49.9136"W	0.00	0.00	0.00	
16130.00†	90.000	179.631	11632.00	4739.14	-4739.82	-88.76	665844.54	435675.67	32°11'47.9506"N	103°47'49.9119"W	0.00	0.00	0.00	
16230.00†	90.000	179.631	11632.00	4839.14	-4839.81	-88.12	665845.19	435575.68	32°11'46.9611"N	103°47'49.9102"W	0.00	0.00	0.00	
16330.00†	90.000	179.631	11632.00	4939.14	-4939.81	-87.48	665845.83	435475.69	32°11'45.9715"N	103°47'49.9085"W	0.00	0.00	0.00	
16430.00†	90.000	179.631	11632.00	5039.14	-5039.81	-86.83	665846.47	435375.70	32°11'44.9820"N	103°47'49.9068"W	0.00	0.00	0.00	
16530.00†	90.000	179.631	11632.00	5139.14	-5139.81	-86.19	665847.12	435275.71	32°11'43.9924"N	103°47'49.9051"W	0.00	0.00	0.00	
16630.00†	90.000	179.631	11632.00	5239.14	-5239.81	-85.54	665847.76	435175.72	32°11'43.0029"N	103°47'49.9035"W	0.00	0.00	0.00	
16730.00†	90.000	179.631	11632.00	5339.14	-5339.80	-84.90	665848.41	435075.72	32°11'42.0133"N	103°47'49.9018"W	0.00	0.00	0.00	
16830.00†	90.000	179.631	11632.00	5439.14	-5439.80	-84.25	665849.05	434975.73	32°11'41.0238"N	103°47'49.9001"W	0.00	0.00	0.00	
16930.00†	90.000	179.631	11632.00	5539.14	-5539.80	-83.61	665849.69	434875.74	32°11'40.0342"N	103°47'49.8984"W	0.00	0.00	0.00	
17030.00†	90.000	179.631	11632.00	5639.14	-5639.80	-82.97	665850.34	434775.75	32°11'39.0447"N	103°47'49.8967"W	0.00	0.00	0.00	
17130.00†	90.000	179.631	11632.00	5739.14	-5739.80	-82.32	665850.98	434675.76	32°11'38.0551"N	103°47'49.8950"W	0.00	0.00	0.00	
17230.00†	90.000	179.631	11632.00	5839.14	-5839.79	-81.68	665851.63	434575.76	32°11'37.0656"N	103°47'49.8933"W	0.00	0.00	0.00	



Planned Wellpath Report

PLU 17 TWR #705H Permit Plan

Page 6 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	XTO Energy Inc.	Well	PLU 17 TWR #705H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 17 TWR Pad 1	Wellbore	PLU 17 TWR #705H
Slot	PLU 17 TWR #705H		

WELLPATH DATA (226 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	179.631	1632.00	5939.14	-5939.79	-81.03	665852.27	434475.77	32°11'36.0760"N	103°47'49.8916"W	0.00	0.00	0.00	
17430.00†	90.000	179.631	1632.00	6039.14	-6039.79	-80.39	665852.91	434375.78	32°11'35.0865"N	103°47'49.8899"W	0.00	0.00	0.00	
17530.00†	90.000	179.631	1632.00	6139.14	-6139.79	-79.75	665853.56	434275.79	32°11'34.0969"N	103°47'49.8882"W	0.00	0.00	0.00	
17630.00†	90.000	179.631	1632.00	6239.14	-6239.79	-79.10	665854.20	434175.80	32°11'33.1074"N	103°47'49.8865"W	0.00	0.00	0.00	
17730.00†	90.000	179.631	1632.00	6339.14	-6339.78	-78.46	665854.85	434075.81	32°11'32.1178"N	103°47'49.8848"W	0.00	0.00	0.00	
17830.00†	90.000	179.631	1632.00	6439.14	-6439.78	-77.81	665855.49	433975.81	32°11'31.1283"N	103°47'49.8831"W	0.00	0.00	0.00	
17930.00†	90.000	179.631	1632.00	6539.14	-6539.78	-77.17	665856.13	433875.82	32°11'30.1387"N	103°47'49.8814"W	0.00	0.00	0.00	
18030.00†	90.000	179.631	1632.00	6639.14	-6639.78	-76.53	665856.78	433775.83	32°11'29.1491"N	103°47'49.8798"W	0.00	0.00	0.00	
18130.00†	90.000	179.631	1632.00	6739.14	-6739.77	-75.88	665857.42	433675.84	32°11'28.1596"N	103°47'49.8781"W	0.00	0.00	0.00	
18230.00†	90.000	179.631	1632.00	6839.14	-6839.77	-75.24	665858.07	433575.85	32°11'27.1700"N	103°47'49.8764"W	0.00	0.00	0.00	
18330.00†	90.000	179.631	1632.00	6939.14	-6939.77	-74.59	665858.71	433475.86	32°11'26.1805"N	103°47'49.8747"W	0.00	0.00	0.00	
18430.00†	90.000	179.631	1632.00	7039.14	-7039.77	-73.95	665859.35	433375.86	32°11'25.1909"N	103°47'49.8730"W	0.00	0.00	0.00	
18530.00†	90.000	179.631	1632.00	7139.14	-7139.77	-73.31	665860.00	433275.87	32°11'24.2014"N	103°47'49.8713"W	0.00	0.00	0.00	
18630.00†	90.000	179.631	1632.00	7239.14	-7239.76	-72.66	665860.64	433175.88	32°11'23.2118"N	103°47'49.8696"W	0.00	0.00	0.00	
18730.00†	90.000	179.631	1632.00	7339.14	-7339.76	-72.02	665861.29	433075.89	32°11'22.2223"N	103°47'49.8679"W	0.00	0.00	0.00	
18830.00†	90.000	179.631	1632.00	7439.14	-7439.76	-71.37	665861.93	432975.90	32°11'21.2327"N	103°47'49.8662"W	0.00	0.00	0.00	
18930.00†	90.000	179.631	1632.00	7539.14	-7539.76	-70.73	665862.57	432875.90	32°11'20.2432"N	103°47'49.8645"W	0.00	0.00	0.00	
19030.00†	90.000	179.631	1632.00	7639.14	-7639.76	-70.09	665863.22	432775.91	32°11'19.2536"N	103°47'49.8628"W	0.00	0.00	0.00	
19130.00†	90.000	179.631	1632.00	7739.14	-7739.75	-69.44	665863.86	432675.92	32°11'18.2641"N	103°47'49.8611"W	0.00	0.00	0.00	
19230.00†	90.000	179.631	1632.00	7839.14	-7839.75	-68.80	665864.51	432575.93	32°11'17.2745"N	103°47'49.8594"W	0.00	0.00	0.00	
19330.00†	90.000	179.631	1632.00	7939.14	-7939.75	-68.15	665865.15	432475.94	32°11'16.2850"N	103°47'49.8577"W	0.00	0.00	0.00	
19430.00†	90.000	179.631	1632.00	8039.14	-8039.75	-67.51	665865.79	432375.95	32°11'15.2954"N	103°47'49.8560"W	0.00	0.00	0.00	
19530.00†	90.000	179.631	1632.00	8139.14	-8139.75	-66.87	665866.44	432275.95	32°11'14.3059"N	103°47'49.8544"W	0.00	0.00	0.00	
19630.00†	90.000	179.631	1632.00	8239.14	-8239.74	-66.22	665867.08	432175.96	32°11'13.3163"N	103°47'49.8527"W	0.00	0.00	0.00	
19730.00†	90.000	179.631	1632.00	8339.14	-8339.74	-65.58	665867.73	432075.97	32°11'12.3268"N	103°47'49.8510"W	0.00	0.00	0.00	
19830.00†	90.000	179.631	1632.00	8439.14	-8439.74	-64.93	665868.37	431975.98	32°11'11.3372"N	103°47'49.8493"W	0.00	0.00	0.00	
19930.00†	90.000	179.631	1632.00	8539.14	-8539.74	-64.29	665869.01	431875.99	32°11'10.3477"N	103°47'49.8476"W	0.00	0.00	0.00	
20030.00†	90.000	179.631	1632.00	8639.14	-8639.74	-63.65	665869.66	431775.99	32°11'9.3581"N	103°47'49.8459"W	0.00	0.00	0.00	
20130.00†	90.000	179.631	1632.00	8739.14	-8739.73	-63.00	665870.30	431676.00	32°11'8.3686"N	103°47'49.8442"W	0.00	0.00	0.00	
20230.00†	90.000	179.631	1632.00	8839.14	-8839.73	-62.36	665870.95	431576.01	32°11'7.3790"N	103°47'49.8425"W	0.00	0.00	0.00	
20330.00†	90.000	179.631	1632.00	8939.14	-8939.73	-61.71	665871.59	431476.02	32°11'6.3895"N	103°47'49.8408"W	0.00	0.00	0.00	
20430.00†	90.000	179.631	1632.00	9039.14	-9039.73	-61.07	665872.23	431376.03	32°11'5.3999"N	103°47'49.8391"W	0.00	0.00	0.00	
20530.00†	90.000	179.631	1632.00	9139.14	-9139.73	-60.43	665872.88	431276.04	32°11'4.4104"N	103°47'49.8374"W	0.00	0.00	0.00	
20630.00†	90.000	179.631	1632.00	9239.14	-9239.72	-59.78	665873.52	431176.04	32°11'3.4208"N	103°47'49.8357"W	0.00	0.00	0.00	
20730.00†	90.000	179.631	1632.00	9339.14	-9339.72	-59.14	665874.17	431076.05	32°11'2.4313"N	103°47'49.8340"W	0.00	0.00	0.00	
20830.00†	90.000	179.631	1632.00	9439.14	-9439.72	-58.49	665874.81	430976.06	32°11'1.4417"N	103°47'49.8323"W	0.00	0.00	0.00	
20930.00†	90.000	179.631	1632.00	9539.14	-9539.72	-57.85	665875.45	430876.07	32°11'0.4522"N	103°47'49.8306"W	0.00	0.00	0.00	
21030.00†	90.000	179.631	1632.00	9639.14	-9639.71	-57.21	665876.10	430776.08	32°10'59.4626"N	103°47'49.8289"W	0.00	0.00	0.00	
21130.00†	90.000	179.631	1632.00	9739.14	-9739.71	-56.56	665876.74	430676.08	32°10'58.4731"N	103°47'49.8273"W	0.00	0.00	0.00	
21230.00†	90.000	179.631	1632.00	9839.14	-9839.71	-55.92	665877.39	430576.09	32°10'57.4835"N	103°47'49.8256"W	0.00	0.00	0.00	
21330.00†	90.000	179.631	1632.00	9939.14	-9939.71	-55.27	665878.03	430476.10	32°10'56.4940"N	103°47'49.8239"W	0.00	0.00	0.00	
21430.00†	90.000	179.631	1632.00	10039.14	-10039.71	-54.63	665878.67	430376.11	32°10'55.5044"N	103°47'49.8222"W	0.00	0.00	0.00	
21524.42	90.000	179.631	1632.00	10133.56	-10134.12	-54.02	665879.28	430281.70	32°10'54.5701"N	103°47'49.8206"W	0.00	0.00	0.00	LTP (330' FSL)
21530.00†	90.000	179.631	1632.00	10139.14	-10139.70	-53.99	665879.32	430276.12	32°10'54.5149"N	103°47'49.8205"W	0.00	0.00	0.00	
21630.00†	90.000	179.631	1632.00	10239.14	-10239.70	-53.34	665879.96	430176.13	32°10'53.5253"N	103°47'49.8188"W	0.00	0.00	0.00	



Planned Wellpath Report
PLU 17 TWR #705H Permit Plan
Page 7 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	PLU 17 TWR #705H
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 17 TWR Pad 1	Wellbore	PLU 17 TWR #705H
Slot	PLU 17 TWR #705H		

WELLPATH DATA (226 stations)														
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
21634.43	90.000	179.631	11632.00	10243.57	-10244.13	-53.31	665879.99	430171.70	32°10'53.4815"N	103°47'49.8187"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 #705H BHL	N/A	11632.00	-10244.13	-53.50	665879.80	430171.70	32°10'53.4815"N	103°47'49.8209"W	point	
PLU 17 TWR #705H FTP	N/A	11632.00	-260.72	-115.61	665817.70	440154.50	32°12'32.2743"N	103°47'49.9644"W	point	
PLU 17 TWR #705H LTP	N/A	11632.00	-10134.12	-54.20	665879.10	430281.70	32°10'54.5701"N	103°47'49.8227"W	point	

SURVEY PROGRAM - Ref Wellbore: PLU 17 TWR #705H Ref Wellpath: PLU 17 TWR #705H Permit Plan					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	
30.00	11063.04	BH NaviTrak (2019) (Standard)		PLU 17 TWR #705H	
11063.04	21634.43	OWSG MWD rev2 + IFR1 + Multi-Station Correction		PLU 17 TWR #705H	