

orm 3160-3  
(June 2015)UN TED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR REENTER

ORM APPROVED  
OMB No. 1004-0137  
Expires: January 31, 20185. Lease Serial No.  
NMNM016353

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.

OUTRIDER 28 FED  
706H [332874]

9. API Well No. 30-025-50254

10. Field and Pool, or Exploratory  
MESA VERDE WOLF CAMP [97899]11. Sec., T. R. M. or Blk. and Survey or Area  
SEC 28/T24S/R32E/NMP1a. Type of work: ☒ DRILL ☐ REENTER  
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other  
1c. Type of Completion: ☐ Hydraulic Fracturing ☒ Single Zone ☐ Multiple Zone2. Name of Operator  
XTO ENERGY INCORPORATED [5380]3a. Address  
XTO ENERGY INC, SPRING, TX 773893b. Phone No. (include area code)  
(817) 870-28004. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface SWSE / 389 FSL / 1865 FWL / LAT 32.182326 / LONG -103.667088  
At proposed prod. zone NWNE / 50 FNL / 1650 FEL / LAT 32.210142 / LONG -103.676395

14. Distance in miles and direction from nearest town or post office\*

12. County or Parish  
LEA13. State  
NM15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any)  
389 feet

16. No of acres in lease

17. Spacing Unit dedicated to this well  
320.018. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft. 0 feet19. Proposed Depth  
10718 feet / 21557 feet20. BLM/BIA Bond No. in file  
FED: UTB00013821. Elevations (Show whether D, KDB, RT, GL, etc.)  
3529 feet22. Approximate date work will start\*  
10/31/202123. Estimated duration  
45 days

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

- |  |   |
|--|---|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan.  | 5. Operator certification.  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be requested by the BLM.            |

25. Signature  
(Electronic Submission)Name (Printed/Typed)  
STEPHANIE RABADUE / Ph: (432) 620-6700Date  
09/08/2021Title  
Regulatory CoordinatorApproved by (Signature)  
(Electronic Submission)Name (Printed/Typed)  
Cody Layton / Ph: (575) 234-5959Date  
12/10/2021Title  
Assistant Field Manager Lands & MineralsOffice  
Carlsbad Field Office

Application approval 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.

Conditions of approval, if any, are attached.

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.

NGMP Rec 05/23/2022

SL

(Continued on page 2)



Approval Date: 12/10/2021

KZ  
06/14/2022

\*(Instructions on page 2)

## INSTRUCTIONS

**GENERAL:** This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

**ITEM I:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

**ITEM 4:** Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

**ITEM 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

**ITEMS 15 AND 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective productive zone.

**ITEM 22:** Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

**ITEM 24:** If the proposal will involve hydraulic fracturing operations, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48( d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

**PRINCIPAL PURPOSES:** The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

**ROUTINE USE:** Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

**EFFECT OF NOT PROVIDING INFORMATION:** Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM connects this information to an evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Connection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

## Additional Operator Remarks

### Location of Well

0. SHL: SWSE / 389 FSL / 1865 FWL / TWSP: 24S / RANGE: 32E / SECTION: 28 / LAT: 32.182326 / LONG: -103.667088 ( TVD: 0 feet, MD: 0 feet )

PPP: SWSE / 100 FSL / 1650 FEL / TWSP: 24S / RANGE: 32E / SECTION: 28 / LAT: 32.181395 / LONG: -103.676392 ( TVD: 10718 feet, MD: 11200 feet )

BHL: NWNE / 50 FNL / 1650 FEL / TWSP: 24S / RANGE: 32E / SECTION: 21 / LAT: 32.210142 / LONG: -103.676395 ( TVD: 10718 feet, MD: 21557 feet )

### BLM Point of Contact

Name: Priscilla Perez

Title: Legal Instruments Examiner

Phone: (575) 234-5934

Email: pperez@blm.gov

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

<sup>1</sup> API Number <b>30-025-50254</b>	<sup>2</sup> Pool Code <b>97899</b>	<sup>3</sup> Pool Name <b>WC-025 G-06 S253206M;BONE SPRING</b>
<sup>4</sup> Property Code <b>332874</b>	<sup>5</sup> Property Name <b>OUTRIDER 28 FED</b>	<sup>6</sup> Well Number <b>706H</b>
<sup>7</sup> GRID No. <b>005380</b>	<sup>8</sup> Operator Name <b>XTO ENERGY, INC.</b>	<sup>9</sup> Elevation <b>3,529'</b>

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	28	24 S	32 E		389	SOUTH	1,865	EAST	LEA

<sup>11</sup> 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
B	21	24 S	32 E		50	NORTH	1,650	EAST	LEA

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
360			

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.

	<sup>16</sup> SHL (NAD83 NME) Y = 430,684.2 X = 744,364.1 LAT. = 32.182326 °N LONG. = 103.677088 °W FTP (NAD83 NME) Y = 430,346.7 X = 744,581.6 LAT. = 32.181395 °N LONG. = 103.676392 °W CORNER COORDINATES (NAD83 NME) A - Y = 440,846.0 N X = 743,517.2 E B - Y = 440,857.5 N X = 744,841.7 E C - Y = 438,206.4 N X = 743,533.7 E D - Y = 438,217.4 N X = 744,856.2 E E - Y = 435,568.6 N X = 743,550.3 E F - Y = 435,578.7 N X = 744,873.1 E G - Y = 432,924.0 N X = 743,567.9 E H - Y = 432,936.7 N X = 744,891.0 E I - Y = 430,288.0 N X = 743,585.5 E J - Y = 430,299.5 N X = 744,908.7 E SHL (NAD27 NME) Y = 430,625.8 X = 703,179.5 LAT. = 32.182202 °N LONG. = 103.676609 °W FTP (NAD27 NME) Y = 430,288.3 X = 703,396.9 LAT. = 32.181271 °N LONG. = 103.675913 °W CORNER COORDINATES (NAD27 NME) A - Y = 440,787.4 N X = 702,333.0 E B - Y = 440,798.9 N X = 703,657.5 E C - Y = 438,147.8 N X = 702,349.4 E D - Y = 438,158.9 N X = 703,671.8 E E - Y = 435,510.2 N X = 702,365.8 E F - Y = 435,520.2 N X = 703,688.6 E G - Y = 432,865.6 N X = 702,383.3 E H - Y = 432,878.3 N X = 703,706.4 E I - Y = 430,229.7 N X = 702,400.8 E J - Y = 430,241.2 N X = 703,724.0 E	<sup>17</sup> 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.  06/07/2021 Signature Date Cassie Evans Printed Name cassie.evans@exxonmobil.com E-mail Address
	<sup>18</sup> 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. 6-4-2021 Date of Survey  MARK DILLON HARP 23786 Professional Surveyor Certificate Number RM 2018061575	

State of New Mexico  
Energy, Minerals and Natural Resources Department

Submit Electronically  
Via E-permitting

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

## NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

### Section 1 – Plan Description Effective May 25, 2021

**I. Operator:** XTO Energy, Inc. **OGRID:** 005380 **Date:** 05/09/2022

**II. Type:** ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: \_\_\_\_\_

**III. Well(s):** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Outrider 28 Fed 121H		M-28-24S-32E	363'FSL & 537'FWL	2000	3200	3500
Outrider 28 Fed 123H		M-28-24S-32E	333'FSL & 537'FWL	2000	3200	3500
Outrider 28 Fed 112H		M-28-24S-32E	393'FSL & 538'FWL	2000	3200	3500
Outrider 28 Fed 101H		M-28-24S-32E	423'FSL & 538'FWL	2000	3200	3500
Outrider 28 Fed 103H		N-28-24S-32E	421' FSL & 1792' FWL	2000	3200	3500
Outrider 28 Fed 105H		N-28-24S-32E	391' FSL & 1793' FWL	2000	3200	3500
Outrider 28 Fed 107H		O-28-24S-32E	420' FSL & 2165' FEL	2000	3200	3500
Outrider 28 Fed 114H		N-28-24S-32E	361' FSL & 1792' FWL	2000	3200	3500
Outrider 28 Fed 116H		O-28-24S-32E	390' FSL & 2165' FEL	2000	3200	3500
Outrider 28 Fed 118H		O-28-24S-32E	360' FSL & 2165' FEL	2000	3200	3500
Outrider 28 Fed 125H		N-28-24S-32E	331' FSL & 2310' FEL	2000	3200	3500
Outrider 28 Fed 118H		O-28-24S-32E	330' FSL & 2165' FEL	2000	3200	3500
Outrider 28 Fed 701H		M-28-24S-32E	422'FSL & 838'FWL	2000	3200	3500
Outrider 28 Fed 702H		M-28-24S-32E	392'FSL & 892'FWL	2000	3200	3500
Outrider 28 Fed 704H		N-28-24S-32E	389' FSL & 2092' FWL	2000	3200	3500
Outrider 28 Fed 705H		O-28-24S-32E	419' FSL & 1865' FEL	2000	3200	3500
Outrider 28 Fed 706H	<b>30-025-50254</b>	O-28-24S-32E	389' FSL & 1865' FEL	2000	3200	3500
Outrider 28 Fed 707H		P-28-24S-32E	426' FSL & 1029' FEL	2000	3200	3500
Outrider 28 Fed 708H		P-28-24S-32E	396' FSL & 1029' FEL	2000	3200	3500
Outrider 27 Fed 701H		M-27-24S-32E	414' FSL & 984' FWL	2000	3200	3500
Outrider 27 Fed 123H		O-28-24S-32E	337' FSL & 1329' FEL	2000	3200	3500
Outrider 27 Fed 121H		O-28-24S-32E	367' FSL & 1329' FEL	2000	3200	3500
Outrider 27 Fed 114H		M-27-24S-32E	323' FSL & 1284' FWL	2000	3200	3500
Outrider 27 Fed 112H		O-28-24S-32E	397' FSL & 1329' FEL	2000	3200	3500
Outrider 27 Fed 103H		M-27-24S-32E	353' FSL & 1284' FWL	2000	3200	3500
Outrider 27 Fed 101H		O-28-24S-32E	427' FSL & 1329' FEL	2000	3200	3500

**IV. Central Delivery Point Name:** Outrider Central Tank Battery [See 19.15.27.9(D)(1) NMAC]

**V. Anticipated Schedule:** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.



Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Outrider 28 Fed 121H		TBD	TBD	TBD	TBD	TBD
Outrider 28 Fed 123H		TBD	TBD	TBD	TBD	TBD
Outrider 28 Fed 112H		TBD	TBD	TBD	TBD	TBD
Outrider 28 Fed 101H		TBD	TBD	TBD	TBD	TBD
Outrider 28 Fed 103H		TBD	TBD	TBD	TBD	TBD
Outrider 28 Fed 105H		TBD	TBD	TBD	TBD	TBD
Outrider 28 Fed 107H		TBD	TBD	TBD	TBD	TBD
Outrider 28 Fed 114H		TBD	TBD	TBD	TBD	TBD
Outrider 28 Fed 116H		TBD	TBD	TBD	TBD	TBD
Outrider 28 Fed 118H		TBD	TBD	TBD	TBD	TBD
Outrider 28 Fed 125H		TBD	TBD	TBD	TBD	TBD
Outrider 28 Fed 118H		TBD	TBD	TBD	TBD	TBD
Outrider 28 Fed 701H		TBD	TBD	TBD	TBD	TBD
Outrider 28 Fed 702H		TBD	TBD	TBD	TBD	TBD
Outrider 28 Fed 704H		TBD	TBD	TBD	TBD	TBD
Outrider 28 Fed 705H		TBD	TBD	TBD	TBD	TBD
Outrider 28 Fed 706H	<b>30-025-50254</b>	TBD	TBD	TBD	TBD	TBD
Outrider 28 Fed 707H		TBD	TBD	TBD	TBD	TBD
Outrider 28 Fed 708H		TBD	TBD	TBD	TBD	TBD
Outrider 27 Fed 701H		TBD	TBD	TBD	TBD	TBD
Outrider 27 Fed 123H		TBD	TBD	TBD	TBD	TBD
Outrider 27 Fed 121H		TBD	TBD	TBD	TBD	TBD
Outrider 27 Fed 114H		TBD	TBD	TBD	TBD	TBD
Outrider 27 Fed 112H		TBD	TBD	TBD	TBD	TBD
Outrider 27 Fed 103H		TBD	TBD	TBD	TBD	TBD
Outrider 27 Fed 101H		TBD	TBD	TBD	TBD	TBD

**VI. Separation Equipment:** ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

**VII. Operational Practices:** ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

**VIII. Best Management Practices:** ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

## **Section 2 – Enhanced Plan** **EFFECTIVE APRIL 1, 2022**

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

### **IX. Anticipated Natural Gas Production:**

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

### **X. Natural Gas Gathering System (NGGS):**

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

**XI. Map.** ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

**XII. Line Capacity.** The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

**XIII. Line Pressure.** Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

**XIV. Confidentiality:** ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

### **Section 3 - Certifications**

**Effective May 25, 2021**

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☐ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☒ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

***If Operator checks this box, Operator will select one of the following:***

**Well Shut-In.** ☒ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

**Venting and Flaring Plan.** ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

### **Section 4 - Notices**

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

**I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.**

Signature: 
Printed Name: Cassie Evans
Title: Regulatory Analyst
E-mail Address: <a href="mailto:Cassie.evans@exxonmobil.com">Cassie.evans@exxonmobil.com</a>
Date: 05/09/2022
Phone: 432-218.3671
<b>OIL CONSERVATION DIVISION</b> <b>(Only applicable when submitted as a standalone form)</b>
Approved By:
Title:
Approval Date:
Conditions of Approval:



**VI. Separation Equipment:**

XTO Permian Operating, LLC. production tank batteries include separation equipment designed to efficiently separate gas from liquid phases to optimize gas capture based on projected and estimated volumes from the targeted pool in conjunction with the total number of wells planned to or existing within the facility. Separation equipment is upgraded prior to well being drilled or completed, if determined to be undersized or needed. The separation equipment is designed and built according to the relevant industry specifications (API Specification 12J and ASME Sec VIII Div I). Other recognized industry publications such as the Gas Processors Suppliers Association (GPSA) are referenced when designing separation equipment to optimize gas capture.

**VII. Operational Practices:****1. Subsection B.**

- During drilling, flare stacks will be located a minimum of 150 feet from the nearest surface hole location. All gas is captured or combusted. If an emergency or malfunction occurs, gas will be flared or vented for public health, safety and the environment and be properly reported to the NMOCD pursuant to 19.15.27.8.G.
- Measure or estimate the volume of natural gas that is vented, flared or beneficially used during drilling, completion and production operations, regardless of the reason or authorization for such venting or flaring.
- At any point in the well life (drilling, completion, production, inactive) an audio, visual and olfactory (AVO) inspection will be performed weekly (at minimum) to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC.

**2. Subsection C.**

- During completion operations, operator does not produce oil or gas but maintains adequate well control through completion operations.

For emergencies, equipment malfunction, or if the operator decides to produce oil and gas during well completion:

- Flowlines will be routed for flowback fluids into a completion or storage tank and, if feasible under well conditions, flare rather than vent and commence operation of a separator as soon as it is technically feasible for a separator to function.
- Measure or estimate the volume of natural gas that is vented, flared or beneficially used during drilling, completion and production operations, regardless of the reason or authorization for such venting or flaring.
- At any point in the well life (drilling, completion, production, inactive) an audio, visual and olfactory (AVO) inspection will be performed weekly (at minimum) to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC.

**3. Subsection D.**

- At any point in the well life (drilling, completion, production, inactive) an audio, visual and olfactory (AVO) inspection will be performed weekly (at minimum) to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC.
- Monitor manual liquid unloading for wells on-site or in close proximity (<30 minutes' drive time), take reasonable actions to achieve a stabilized rate and pressure at the earliest practical time, and take reasonable actions to minimize venting to the maximum extent practicable.

- Measure or estimate the volume of natural gas that is vented, flared or beneficially used during drilling, completion and production operations, regardless of the reason or authorization for such venting or flaring.
- 4. Subsection E.
  - All tanks and separation equipment are designed for maximum throughput and pressure to minimize waste.
  - Flare stack was installed prior to May 25, 2021 but has been designed for proper size and combustion efficiency. Flare currently has a continuous pilot and is located more than 100 feet from any known well and storage tanks.
  - At any point in the well life (drilling, completion, production, inactive) an audio, visual and olfactory (AVO) inspection will be performed weekly (at minimum) to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC.
- 5. Subsection F.
  - Measurement equipment is installed to measure the volume of natural gas flared from process piping or a flowline piped from the equipment associated with a well and facility associated with the approved application for permit to drill that has an average daily production greater than 60 mcf of natural gas.
  - Measurement equipment installed is not designed or equipped with a manifold to allow diversion of natural gas around the metering equipment, except for the sole purpose of inspecting and servicing the measurement equipment, as noted in NMAC 19.15.27.8 Subsection G.

#### **VIII. Best Management Practices:**

1. During completion operations, operator does not produce oil or gas but maintains adequate well control through completion operations.
2. Operator does not flow well (well shut in) during initial production until all flowlines, tank batteries, and oil/gas takeaway are installed, tested, and determined operational.
3. Operator equips storage tanks with an automatic gauging system to reduce venting of natural gas.
4. Operator reduces the number of blowdowns by looking for opportunities to coordinate repair and maintenance activities.
5. Operator combusts natural gas that would otherwise be vented or flared, when feasible.
6. Operator has a flare stack designed in accordance with need and to handle sufficient volume to ensure proper combustion efficiency. Flare stacks are equipped with continuous pilots and securely anchored at least 100 feet (at minimum) from storage tanks and wells.
7. Operator minimizes venting (when feasible) through pump downs of vessels and reducing time required to purge equipment before returning equipment to service.
8. Operator will shut in wells (when feasible) in the event of a takeaway disruption, emergency situation, or other operations where venting or flaring may occur due to equipment failures.



U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

# Drilling Plan Data Report

05/05/2022

APD ID: 10400080100

Submission Date: 09/08/2021

Highlighted data  
reflects the most  
recent changes

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER 28 FED

Well Number: 706H

Well Type: OIL WELL

Well Work Type: Drill

[Show Final Text](#)

## Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formation
6944554	QUATERNARY	3529	0	0	ALLUVIUM	NONE	N
6944555	RUSTLER ANHYDRITE	2602	927	927	ANHYDRITE, SANDSTONE, SILTSTONE	USEABLE WATER	N
6944556	TOP SALT	2288	1241	1241	SALT	NONE	N
6944557	BASE OF SALT	-1019	4548	4548	SALT	NONE	N
6944558	DELAWARE	-1227	4756	4756	SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
6944559	BONE SPRING	-5145	8674	8674	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	Y

## Section 2 - Blowout Prevention

Pressure Rating (PSI): 10M

Rating Depth: 10718

**Equipment:** Once the permanent WH is installed on the 11-3/4 casing, the blow out preventer equipment (BOP) will consist of a 13-5/8 minimum 10M Hydril and a 13-5/8 minimum 10M 3-Ram BOP. In any instance where 10M BOP is required by BLM, XTO requests a variance to utilize 5M annular with 10M ram preventers (a common BOP configuration, which allows use of 10M rams in unlikely event that pressures exceed 5M). Also a variance is requested to test the 5M annular to 70% of working pressure at 3500 psi.

**Requesting Variance?** YES

**Variance request:** A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors. XTO requests a variance to be able to batch drill this well if necessary. In doing so, XTO will set each casing string and ensure that the well is cemented properly and the well is static. With floats holding, no pressure on the csg annulus, and the installation of a 10K TA cap as per manufacturer recommendations, XTO will contact the BLM on each rig skid on the pad. Once surface and intermediate strings are all completed, XTO will begin drilling the production hole on each of the wells. A variance is requested to ONLY test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken. Based on discussions with the BLM on February 27th 2020, we will request permission to ONLY retest broken pressure seals if the following conditions are met: 1. After a full BOP test is conducted on the first well on the pad (First well will be the deepest Intermediate) 2. When skidding to drill an intermediate section does not penetrate into the Wolfcamp 3. Full BOP test will be required prior to drilling the production hole. A variance is requested to

**Operator Name:** XTO ENERGY INCORPORATED**Well Name:** OUTRIDER 28 FED**Well Number:** 706H

cement offline for the surface and intermediate casing strings according to attached offline cementing supporting documentation.

**Testing Procedure:** All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 70% of the working pressure. When nipping up on the 11-3/4", 10M bradenhead and flange, the BOP test will be limited to 7500 psi. All BOP tests will include a low pressure test as per BLM regulations. The 10M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

**Choke Diagram Attachment:**

Outrider\_10MCM\_20210614081354.pdf

**BOP Diagram Attachment:**

Outrider\_5M10M\_BOP\_20210614081402.pdf

**Section 3 - Casing**

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	12.25	9.625	NEW	API	N	0	1141	0	1141	3530	2389	1141	J-55	40	BUTT	4.98	1.43	DRY	13.8	DRY	13.8
2	INTERMEDIATE	8.75	7.625	NEW	API	Y	0	9933	0	9933	0	-6403	9933	HCL-80	29.7	OTHER - Liberty FJ	2.02	1.75	DRY	2.3	DRY	2.3
3	PRODUCTION	6.75	5.5	NEW	API	Y	0	21557	0	10718	0	-7188	21557	P-110	23	OTHER - Semi-Flush	2.31	1.21	DRY	5.35	DRY	5.35

**Casing Attachments****Casing ID:** 1 **String** SURFACE**Inspection Document:****Spec Document:****Tapered String Spec:****Casing Design Assumptions and Worksheet(s):**

**Operator Name:** XTO ENERGY INCORPORATED**Well Name:** OUTRIDER 28 FED**Well Number:** 706H**Casing Attachments****Casing ID:** 2      **String**      INTERMEDIATE**Inspection Document:****Spec Document:****Tapered String Spec:**

OUTRIDER\_28\_FED\_706H\_csg\_20210906065323.pdf

**Casing Design Assumptions and Worksheet(s):**

OUTRIDER\_28\_FED\_706H\_csg\_20210906065327.pdf

**Casing ID:** 3      **String**      PRODUCTION**Inspection Document:****Spec Document:****Tapered String Spec:**

OUTRIDER\_28\_FED\_706H\_csg\_20210906065241.pdf

**Casing Design Assumptions and Worksheet(s):**

OUTRIDER\_28\_FED\_706H\_csg\_20210906065256.pdf

**Section 4 - Cement**

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	1141	270	1.87	12.8	504.9	100	HalCem-C	2% CaCl
SURFACE	Tail		0	1141	130	1.35	14.8	175.5	100	HalCem-C	2% CaCl
INTERMEDIATE	Lead		0	9933	410	2.77	10.5	1135.7	100	NeoCem - See Attachment for Cmt Variance	None
INTERMEDIATE	Tail		0	9933	1210	1.35	14.8	1633.5	100	HalCem-C See Attachment for Cmt Variance	None

**Operator Name:** XTO ENERGY INCORPORATED**Well Name:** OUTRIDER 28 FED**Well Number:** 706H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Lead		9633	2155 7	760	1.51	13.2	1003 2	100	VersaCem	None

### Section 5 - Circulating Medium

**Mud System Type:** Closed**Will an air or gas system be Used?** NO**Description of the equipment for the circulating system in accordance with Onshore Order #2:****Diagram of the equipment for the circulating system in accordance with Onshore Order #2:**

**Describe what will be on location to control well or mitigate other conditions:** Spud with fresh water/native mud and set 9-5/8" surface casing, isolating the fresh water aquifer. Drill out from under 9-5/8 surface casing with a brine/oil direct emulsion mud system. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.

**Describe the mud monitoring system utilized:** The necessary mud products for weight addition and fluid loss control will be on location at all times.

### Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1141	SPUD MUD	8.4	8.8							FW/Native Water
1141	9933	OTHER : Brine/Cut Brine/Direct Emulsion	8.5	10.2							
9933	2155 7	OTHER : Cut Brine / WBM / OBM	10.8	12.3							



**Operator Name:** XTO ENERGY INCORPORATED**Well Name:** OUTRIDER 28 FED**Well Number:** 706H

## Section 6 - Test, Logging, Coring

**List of production tests including testing procedures, equipment and safety measures:**

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

Open hole logging will not be done on this well.

**List of open and cased hole logs run in the well:**

GAMMA RAY LOG, CEMENT BOND LOG, DIRECTIONAL SURVEY,

**Coring operation description for the well:**

No coring operations are planned.

## Section 7 - Pressure

**Anticipated Bottom Hole Pressure:** 6019**Anticipated Surface Pressure:** 3661**Anticipated Bottom Hole Temperature(F):** 165**Anticipated abnormal pressures, temperatures, or potential geologic hazards?** NO**Describe:****Contingency Plans geohazards description:****Contingency Plans geohazards****Hydrogen Sulfide drilling operations plan required?** YES**Hydrogen sulfide drilling operations**

Outrider\_H2S\_Dia\_20210614083111.pdf

Outrider\_H2S\_Plan\_20210614083117.pdf

## Section 8 - Other Information

**Proposed horizontal/directional/multi-lateral plan submission:**

Outrider\_28\_Fed\_706H\_DD\_20210906065625.pdf

**Other proposed operations facets description:****Other proposed operations facets attachment:****Other Variance attachment:**

Outrider\_BOP\_BTV\_20210614083149.pdf

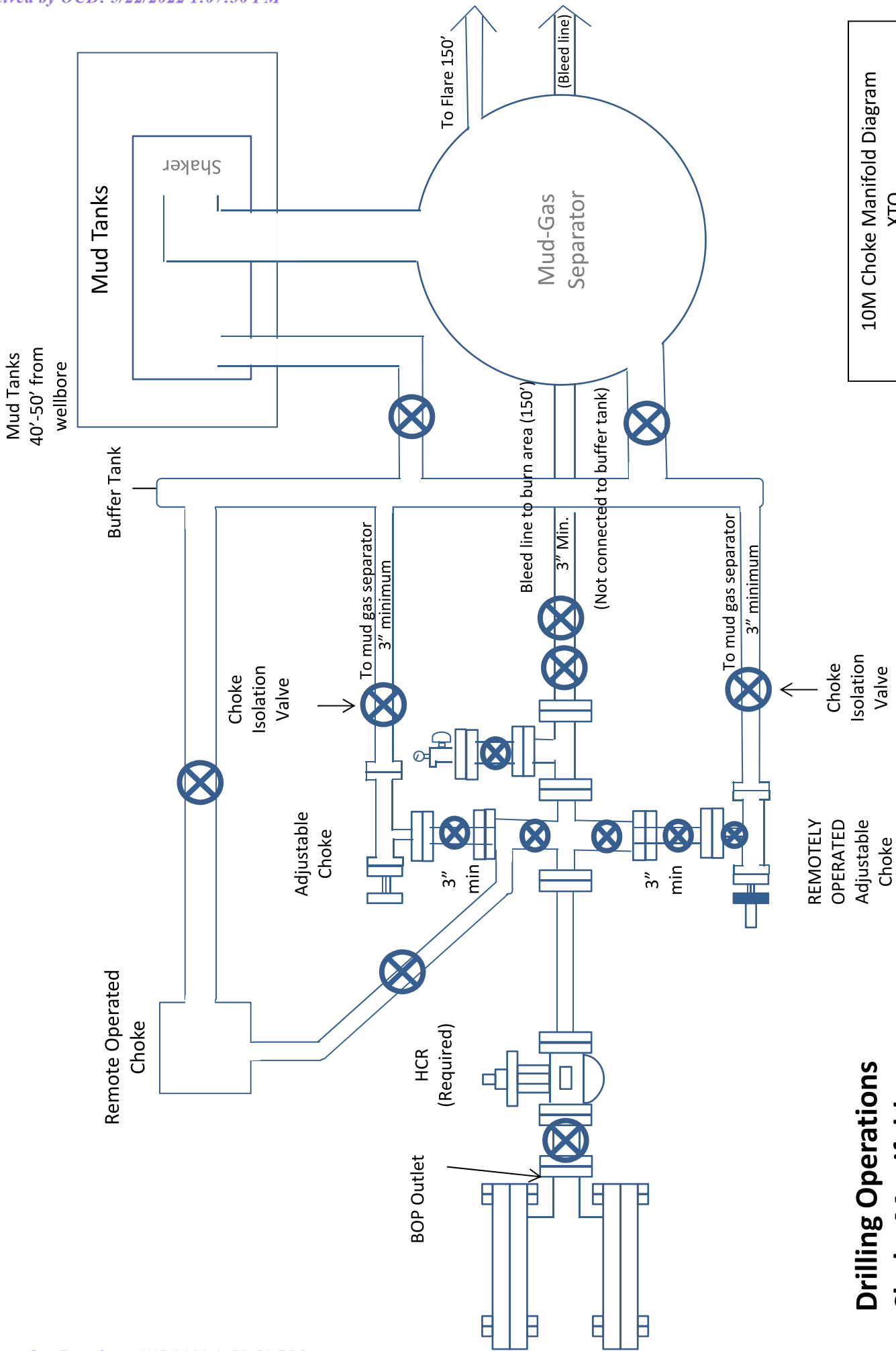
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Outrider\_MBD\_20210614083209.pdf

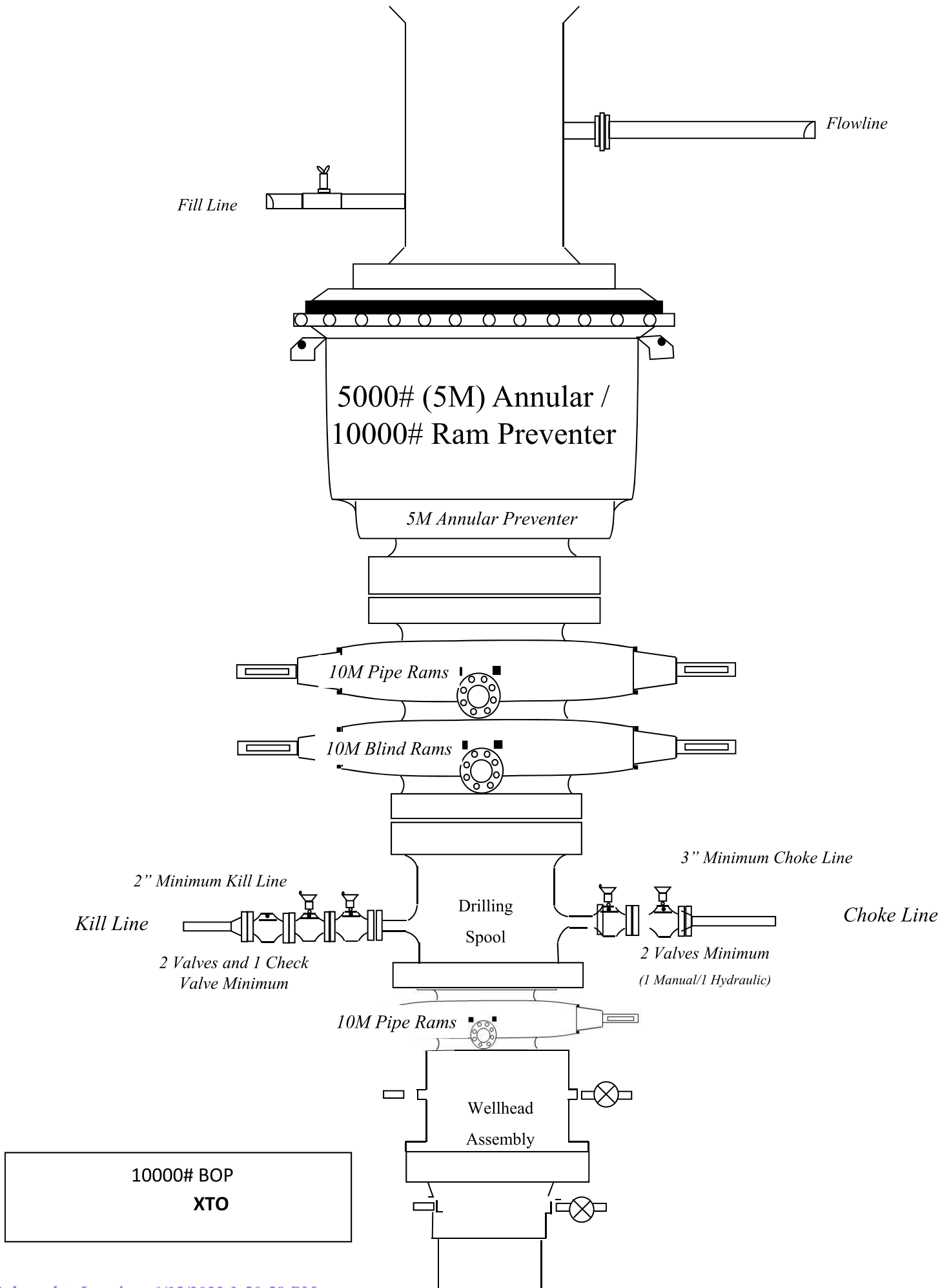
Outrider\_OCV\_20210614083249.pdf

Outrider\_Spudder\_20210614083257.pdf

Outrider\_28\_Fed\_706H\_Cmt\_20210906065633.pdf



**Drilling Operations  
Choke Manifold  
10M Service**



**3. Casing Design**

Hole Size	Depth	OD Csg	Weight	Collar	Grade	New/Used	SF Burst	SF Collapse	SF Tension
12-1/4"	0' – 1141'	9-5/8"	40	BTC	J-55	New	1.40	4.98	13.80
8-3/4"	0' – 4000'	7-5/8"	29.7	Liberty FJ	CYP-110	New	2.40	2.65	1.89
8-3/4"	4000' – 9933'	7-5/8"	29.7	Liberty FJ	HCL-80	New	1.75	2.02	2.30
6-3/4"	0' – 9833'	5-1/2"	23	Semi-Premium	P-110	New	1.21	2.52	2.15
6-3/4"	9833' - 21557'	5-1/2"	23	Semi-Flush	P-110	New	1.21	2.31	5.35

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

**Wellhead:**Permanent Wellhead – Multibowl System

A. Starting Head: 13-5/8" 10M top flange x 9-5/8" SOW bottom

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 will not be present for BOP test plug installation



## **XTO Energy**

**Lea County, NM (NAD-27)**

**OUTRIDER 28 FED**

**#706H**

**Wellbore #1**

**Plan: PERMIT**

## **Standard Planning Report**

**06 June, 2021**



Project: Lea County, NM (NAD-27)  
 Site: OUTRIDER 28 FED  
 Well: #706H  
 Wellbore: Wellbore #1  
 Design: PERMIT

PROJECT DETAILS: Lea County, NM (NAD-27)  
 Geodetic System: US State Plane 1927 (Exact solution)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: New Mexico East 3001  
 System Datum: Mean Sea Level

## DESIGN TARGET DETAILS

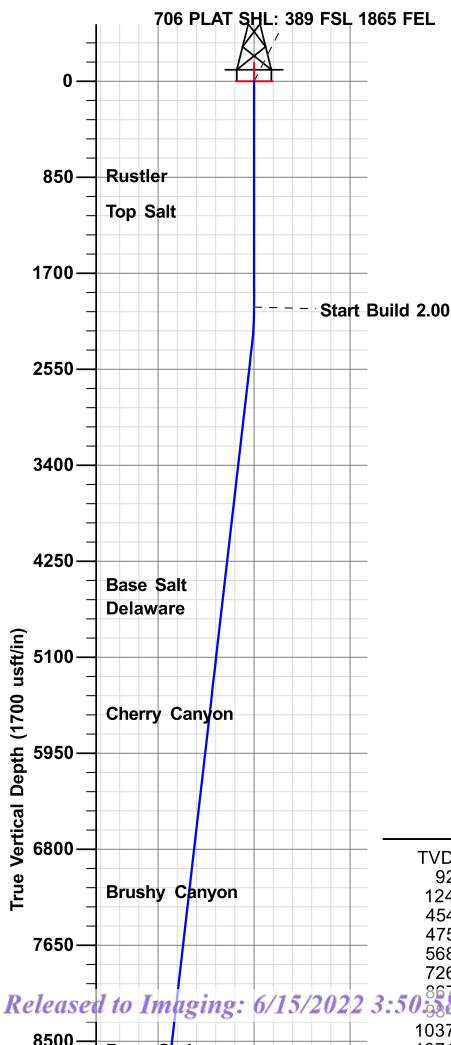
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
706 PLAT SHL: 389 FSL 1865 FEL	0.00	0.00	0.00	430625.80	703179.50	32.1822024	-103.6766087	Point
706 PLAT LP/ FTP	10718.00	-337.50	217.40	430288.30	703396.90	32.1812710	-103.6759127	Point
706 PLAT LTP/ BHL: 50 FNL 1650 FEL	10718.00	10120.30	152.80	440746.10	703332.30	32.2100188	-103.6759148	Point

## WELL DETAILS: #706H

Rig Name:		GL @ 3529.00usft			
Ground Level:		3529.00			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	430625.80	703179.50	32.1822024	-103.6766087

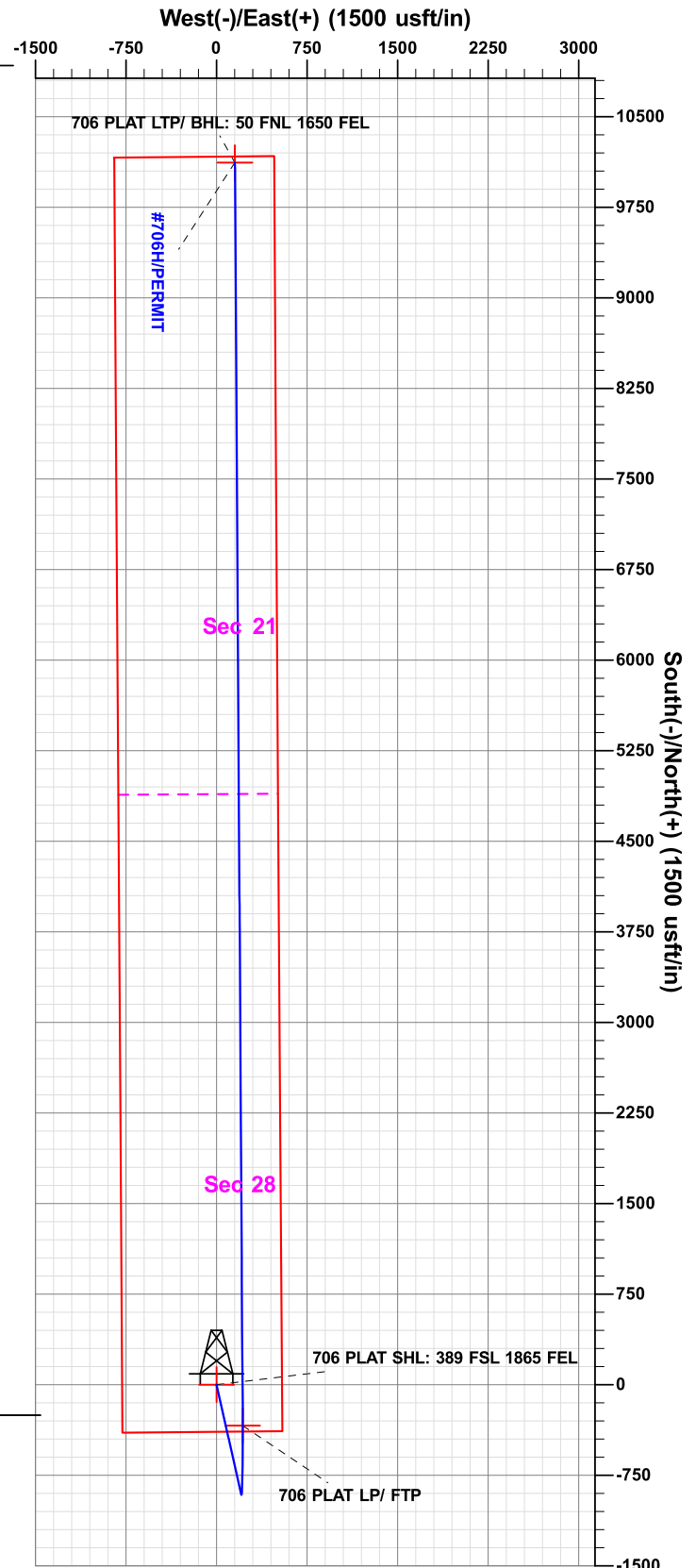
## SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00
3	2335.07	6.70	167.27	2334.30	-19.09	4.31	2.00	167.27	-19.12
4	10133.98	6.70	167.27	10079.94	-906.81	204.85	0.00	0.00	-908.05
5	11099.43	90.00	359.65	10718.00	-337.50	217.40	10.00	-167.54	-338.82
6	21557.43	90.00	359.65	10718.00	10120.30	152.80	0.00	0.00	10119.18



## FORMATION TOP DETAILS

TVDPath	Formation
927.00	Rustler
1241.00	Top Salt
4548.00	Base Salt
4756.00	Delaware
5689.00	Cherry Canyon
7266.00	Brushy Canyon
8674.00	Bone Spring
9300.00	1st Bone Spring SS
10379.00	2nd Bone Spring SS
10718.00	LP





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

<sup>1</sup> API Number 30-025-		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name	
<sup>4</sup> Property Code		<sup>5</sup> Property Name OUTRIDER 28 FED			<sup>6</sup> Well Number 706H
<sup>7</sup> OGRID No. 005380		<sup>8</sup> Operator Name XTO ENERGY, INC.			<sup>9</sup> Elevation 3,529'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	28	24 S	32 E		389	SOUTH	1,865	EAST	LEA

<sup>11</sup> 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
B	21	24 S	32 E		50	NORTH	1,650	EAST	LEA

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.

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.

	<sup>16</sup> SHL (NAD83 NME) Y = 430,684.2 X = 744,364.1 LAT. = 32.182326 °N LONG. = 103.677088 °W FTP (NAD83 NME) Y = 430,346.7 X = 744,581.6 LAT. = 32.181395 °N LONG. = 103.676392 °W CORNER COORDINATES (NAD83 NME) A - Y = 440,846.0 N , X = 743,517.2 E B - Y = 440,857.5 N , X = 744,841.7 E C - Y = 438,206.4 N , X = 743,533.7 E D - Y = 438,217.4 N , X = 744,856.2 E E - Y = 435,568.6 N , X = 743,550.3 E F - Y = 435,578.7 N , X = 744,873.1 E G - Y = 432,924.0 N , X = 743,567.9 E H - Y = 432,936.7 N , X = 744,891.0 E I - Y = 430,288.0 N , X = 743,585.5 E J - Y = 430,299.5 N , X = 744,908.7 E SHL (NAD27 NME) Y = 430,625.8 X = 703,179.5 LAT. = 32.182202 °N LONG. = 103.676609 °W FTP (NAD27 NME) Y = 430,288.3 X = 703,396.9 LAT. = 32.181271 °N LONG. = 103.675913 °W CORNER COORDINATES (NAD27 NME) A - Y = 440,787.4 N , X = 702,333.0 E B - Y = 440,798.9 N , X = 703,657.5 E C - Y = 438,147.8 N , X = 702,349.4 E D - Y = 438,158.9 N , X = 703,671.8 E E - Y = 435,510.2 N , X = 702,365.8 E F - Y = 435,520.2 N , X = 703,688.6 E G - Y = 432,865.6 N , X = 702,383.3 E H - Y = 432,878.3 N , X = 703,706.4 E I - Y = 430,229.7 N , X = 702,400.8 E J - Y = 430,241.2 N , X = 703,724.0 E	<sup>17</sup> 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. Signature _____ Date _____ Printed Name _____ E-mail Address _____
	<sup>18</sup> 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. 6-4-2021 Date of Survey Signature and Seal of Professional Surveyor:	MARK DILLON HARP 23786 Certificate Number RM 2018061575



## Planning Report

<b>Database:</b>	EDM 5000.1.13 Single User Db	<b>Local Co-ordinate Reference:</b>	Well #706H
<b>Company:</b>	XTO Energy	<b>TVD Reference:</b>	GL @ 3529.00usft
<b>Project:</b>	Lea County, NM (NAD-27)	<b>MD Reference:</b>	GL @ 3529.00usft
<b>Site:</b>	OUTRIDER 28 FED	<b>North Reference:</b>	Grid
<b>Well:</b>	#706H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	PERMIT		

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

Site		OUTRIDER 28 FED			
Site Position:		Northing:	430,628.40 usft	Latitude:	32.1822569
From:	Map	Easting:	700,340.70 usft	Longitude:	-103.6857838
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.34 °

Well	#706H					
Well Position	+N/-S	-2.60 usft	Northing:	430,625.80 usft	Latitude:	32.1822024
	+E/-W	2,838.80 usft	Easting:	703,179.50 usft	Longitude:	-103.6766087
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3,529.00 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2020	06/06/21	6.59	59.85	47,460

<b>Design</b>	PERMIT				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00	
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	359.65	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,335.07	6.70	167.27	2,334.30	-19.09	4.31	2.00	2.00	0.00	167.27	
10,133.98	6.70	167.27	10,079.94	-906.81	204.85	0.00	0.00	0.00	0.00	
11,099.43	90.00	359.65	10,718.00	-337.50	217.40	10.00	8.63	-17.36	-167.54	706 PLAT LP/ FTP
21,557.43	90.00	359.65	10,718.00	10,120.30	152.80	0.00	0.00	0.00	0.00	706 PLAT LTP/ BHL



## Planning Report

<b>Database:</b>	EDM 5000.1.13 Single User Db	<b>Local Co-ordinate Reference:</b>	Well #706H
<b>Company:</b>	XTO Energy	<b>TVD Reference:</b>	GL @ 3529.00usft
<b>Project:</b>	Lea County, NM (NAD-27)	<b>MD Reference:</b>	GL @ 3529.00usft
<b>Site:</b>	OUTRIDER 28 FED	<b>North Reference:</b>	Grid
<b>Well:</b>	#706H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	PERMIT		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
927.00	0.00	0.00	927.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Rustler</b>									
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,241.00	0.00	0.00	1,241.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Top Salt</b>									
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	2.00	167.27	2,099.98	-1.70	0.38	-1.70	2.00	2.00	0.00
2,200.00	4.00	167.27	2,199.84	-6.81	1.54	-6.82	2.00	2.00	0.00
2,300.00	6.00	167.27	2,299.45	-15.31	3.46	-15.33	2.00	2.00	0.00
2,335.07	6.70	167.27	2,334.30	-19.09	4.31	-19.12	2.00	2.00	0.00
2,400.00	6.70	167.27	2,398.79	-26.48	5.98	-26.52	0.00	0.00	0.00
2,500.00	6.70	167.27	2,498.11	-37.87	8.55	-37.92	0.00	0.00	0.00
2,600.00	6.70	167.27	2,597.43	-49.25	11.13	-49.31	0.00	0.00	0.00
2,700.00	6.70	167.27	2,696.74	-60.63	13.70	-60.71	0.00	0.00	0.00
2,800.00	6.70	167.27	2,796.06	-72.01	16.27	-72.11	0.00	0.00	0.00
2,900.00	6.70	167.27	2,895.38	-83.40	18.84	-83.51	0.00	0.00	0.00
3,000.00	6.70	167.27	2,994.69	-94.78	21.41	-94.91	0.00	0.00	0.00
3,100.00	6.70	167.27	3,094.01	-106.16	23.98	-106.31	0.00	0.00	0.00
3,200.00	6.70	167.27	3,193.33	-117.54	26.55	-117.70	0.00	0.00	0.00
3,300.00	6.70	167.27	3,292.64	-128.93	29.12	-129.10	0.00	0.00	0.00
3,400.00	6.70	167.27	3,391.96	-140.31	31.70	-140.50	0.00	0.00	0.00
3,500.00	6.70	167.27	3,491.28	-151.69	34.27	-151.90	0.00	0.00	0.00
3,600.00	6.70	167.27	3,590.59	-163.07	36.84	-163.30	0.00	0.00	0.00
3,700.00	6.70	167.27	3,689.91	-174.46	39.41	-174.69	0.00	0.00	0.00
3,800.00	6.70	167.27	3,789.23	-185.84	41.98	-186.09	0.00	0.00	0.00
3,900.00	6.70	167.27	3,888.54	-197.22	44.55	-197.49	0.00	0.00	0.00
4,000.00	6.70	167.27	3,987.86	-208.60	47.12	-208.89	0.00	0.00	0.00
4,100.00	6.70	167.27	4,087.18	-219.99	49.70	-220.29	0.00	0.00	0.00
4,200.00	6.70	167.27	4,186.50	-231.37	52.27	-231.68	0.00	0.00	0.00
4,300.00	6.70	167.27	4,285.81	-242.75	54.84	-243.08	0.00	0.00	0.00
4,400.00	6.70	167.27	4,385.13	-254.13	57.41	-254.48	0.00	0.00	0.00
4,500.00	6.70	167.27	4,484.45	-265.52	59.98	-265.88	0.00	0.00	0.00
4,563.99	6.70	167.27	4,548.00	-272.80	61.63	-273.17	0.00	0.00	0.00
<b>Base Salt</b>									



## Planning Report

<b>Database:</b>	EDM 5000.1.13 Single User Db	<b>Local Co-ordinate Reference:</b>	Well #706H
<b>Company:</b>	XTO Energy	<b>TVD Reference:</b>	GL @ 3529.00usft
<b>Project:</b>	Lea County, NM (NAD-27)	<b>MD Reference:</b>	GL @ 3529.00usft
<b>Site:</b>	OUTRIDER 28 FED	<b>North Reference:</b>	Grid
<b>Well:</b>	#706H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	PERMIT		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,600.00	6.70	167.27	4,583.76	-276.90	62.55	-277.28	0.00	0.00	0.00
4,700.00	6.70	167.27	4,683.08	-288.28	65.12	-288.68	0.00	0.00	0.00
4,773.42	6.70	167.27	4,756.00	-296.64	67.01	-297.04	0.00	0.00	0.00
<b>Delaware</b>									
4,800.00	6.70	167.27	4,782.40	-299.67	67.69	-300.07	0.00	0.00	0.00
4,900.00	6.70	167.27	4,881.71	-311.05	70.27	-311.47	0.00	0.00	0.00
5,000.00	6.70	167.27	4,981.03	-322.43	72.84	-322.87	0.00	0.00	0.00
5,100.00	6.70	167.27	5,080.35	-333.81	75.41	-334.27	0.00	0.00	0.00
5,200.00	6.70	167.27	5,179.66	-345.20	77.98	-345.67	0.00	0.00	0.00
5,300.00	6.70	167.27	5,278.98	-356.58	80.55	-357.06	0.00	0.00	0.00
5,400.00	6.70	167.27	5,378.30	-367.96	83.12	-368.46	0.00	0.00	0.00
5,500.00	6.70	167.27	5,477.61	-379.34	85.69	-379.86	0.00	0.00	0.00
5,600.00	6.70	167.27	5,576.93	-390.73	88.27	-391.26	0.00	0.00	0.00
5,700.00	6.70	167.27	5,676.25	-402.11	90.84	-402.66	0.00	0.00	0.00
5,712.84	6.70	167.27	5,689.00	-403.57	91.17	-404.12	0.00	0.00	0.00
<b>Cherry Canyon</b>									
5,800.00	6.70	167.27	5,775.56	-413.49	93.41	-414.05	0.00	0.00	0.00
5,900.00	6.70	167.27	5,874.88	-424.87	95.98	-425.45	0.00	0.00	0.00
6,000.00	6.70	167.27	5,974.20	-436.26	98.55	-436.85	0.00	0.00	0.00
6,100.00	6.70	167.27	6,073.51	-447.64	101.12	-448.25	0.00	0.00	0.00
6,200.00	6.70	167.27	6,172.83	-459.02	103.69	-459.65	0.00	0.00	0.00
6,300.00	6.70	167.27	6,272.15	-470.40	106.26	-471.04	0.00	0.00	0.00
6,400.00	6.70	167.27	6,371.46	-481.79	108.84	-482.44	0.00	0.00	0.00
6,500.00	6.70	167.27	6,470.78	-493.17	111.41	-493.84	0.00	0.00	0.00
6,600.00	6.70	167.27	6,570.10	-504.55	113.98	-505.24	0.00	0.00	0.00
6,700.00	6.70	167.27	6,669.41	-515.93	116.55	-516.64	0.00	0.00	0.00
6,800.00	6.70	167.27	6,768.73	-527.32	119.12	-528.04	0.00	0.00	0.00
6,900.00	6.70	167.27	6,868.05	-538.70	121.69	-539.43	0.00	0.00	0.00
7,000.00	6.70	167.27	6,967.37	-550.08	124.26	-550.83	0.00	0.00	0.00
7,100.00	6.70	167.27	7,066.68	-561.47	126.84	-562.23	0.00	0.00	0.00
7,200.00	6.70	167.27	7,166.00	-572.85	129.41	-573.63	0.00	0.00	0.00
7,300.00	6.70	167.27	7,265.32	-584.23	131.98	-585.03	0.00	0.00	0.00
7,300.69	6.70	167.27	7,266.00	-584.31	132.00	-585.10	0.00	0.00	0.00
<b>Brushy Canyon</b>									
7,400.00	6.70	167.27	7,364.63	-595.61	134.55	-596.42	0.00	0.00	0.00
7,500.00	6.70	167.27	7,463.95	-607.00	137.12	-607.82	0.00	0.00	0.00
7,600.00	6.70	167.27	7,563.27	-618.38	139.69	-619.22	0.00	0.00	0.00
7,700.00	6.70	167.27	7,662.58	-629.76	142.26	-630.62	0.00	0.00	0.00
7,800.00	6.70	167.27	7,761.90	-641.14	144.83	-642.02	0.00	0.00	0.00
7,900.00	6.70	167.27	7,861.22	-652.53	147.41	-653.41	0.00	0.00	0.00
8,000.00	6.70	167.27	7,960.53	-663.91	149.98	-664.81	0.00	0.00	0.00
8,100.00	6.70	167.27	8,059.85	-675.29	152.55	-676.21	0.00	0.00	0.00
8,200.00	6.70	167.27	8,159.17	-686.67	155.12	-687.61	0.00	0.00	0.00
8,300.00	6.70	167.27	8,258.48	-698.06	157.69	-699.01	0.00	0.00	0.00
8,400.00	6.70	167.27	8,357.80	-709.44	160.26	-710.41	0.00	0.00	0.00
8,500.00	6.70	167.27	8,457.12	-720.82	162.83	-721.80	0.00	0.00	0.00
8,600.00	6.70	167.27	8,556.43	-732.20	165.41	-733.20	0.00	0.00	0.00
8,700.00	6.70	167.27	8,655.75	-743.59	167.98	-744.60	0.00	0.00	0.00
8,718.38	6.70	167.27	8,674.00	-745.68	168.45	-746.69	0.00	0.00	0.00
<b>Bone Spring</b>									
8,800.00	6.70	167.27	8,755.07	-754.97	170.55	-756.00	0.00	0.00	0.00
8,900.00	6.70	167.27	8,854.38	-766.35	173.12	-767.40	0.00	0.00	0.00
9,000.00	6.70	167.27	8,953.70	-777.74	175.69	-778.79	0.00	0.00	0.00
9,100.00	6.70	167.27	9,053.02	-789.12	178.26	-790.19	0.00	0.00	0.00



## Planning Report

<b>Database:</b>	EDM 5000.1.13 Single User Db	<b>Local Co-ordinate Reference:</b>	Well #706H
<b>Company:</b>	XTO Energy	<b>TVD Reference:</b>	GL @ 3529.00usft
<b>Project:</b>	Lea County, NM (NAD-27)	<b>MD Reference:</b>	GL @ 3529.00usft
<b>Site:</b>	OUTRIDER 28 FED	<b>North Reference:</b>	Grid
<b>Well:</b>	#706H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	PERMIT		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,200.00	6.70	167.27	9,152.33	-800.50	180.83	-801.59	0.00	0.00	0.00
9,300.00	6.70	167.27	9,251.65	-811.88	183.40	-812.99	0.00	0.00	0.00
9,400.00	6.70	167.27	9,350.97	-823.27	185.98	-824.39	0.00	0.00	0.00
9,500.00	6.70	167.27	9,450.29	-834.65	188.55	-835.78	0.00	0.00	0.00
9,600.00	6.70	167.27	9,549.60	-846.03	191.12	-847.18	0.00	0.00	0.00
9,700.00	6.70	167.27	9,648.92	-857.41	193.69	-858.58	0.00	0.00	0.00
9,800.00	6.70	167.27	9,748.24	-868.80	196.26	-869.98	0.00	0.00	0.00
9,892.40	6.70	167.27	9,840.00	-879.31	198.64	-880.51	0.00	0.00	0.00
<b>1st Bone Spring SS</b>									
9,900.00	6.70	167.27	9,847.55	-880.18	198.83	-881.38	0.00	0.00	0.00
10,000.00	6.70	167.27	9,946.87	-891.56	201.40	-892.77	0.00	0.00	0.00
10,100.00	6.70	167.27	10,046.19	-902.94	203.98	-904.17	0.00	0.00	0.00
10,133.98	6.70	167.27	10,079.94	-906.81	204.85	-908.05	0.00	0.00	0.00
10,150.00	5.15	163.42	10,095.87	-908.41	205.26	-909.65	10.00	-9.69	-24.05
10,200.00	1.44	87.40	10,145.79	-910.54	206.53	-911.78	10.00	-7.41	-152.04
10,250.00	5.26	15.53	10,195.71	-908.30	207.77	-909.55	10.00	7.63	-143.74
10,300.00	10.16	7.73	10,245.24	-901.72	208.98	-902.98	10.00	9.80	-15.60
10,350.00	15.12	4.99	10,294.02	-890.84	210.14	-892.11	10.00	9.93	-5.47
10,400.00	20.11	3.59	10,341.66	-875.76	211.25	-877.03	10.00	9.96	-2.80
10,440.32	24.13	2.87	10,379.00	-860.61	212.09	-861.89	10.00	9.98	-1.79
<b>2nd Bone Spring SS</b>									
10,450.00	25.10	2.73	10,387.80	-856.58	212.29	-857.86	10.00	9.98	-1.45
10,500.00	30.09	2.14	10,432.10	-833.45	213.26	-834.73	10.00	9.99	-1.18
10,550.00	35.08	1.70	10,474.22	-806.54	214.16	-807.84	10.00	9.99	-0.87
10,600.00	40.08	1.36	10,513.83	-776.07	214.97	-777.37	10.00	9.99	-0.68
10,650.00	45.07	1.09	10,550.64	-742.26	215.69	-743.56	10.00	9.99	-0.55
10,700.00	50.07	0.85	10,584.36	-705.37	216.31	-706.68	10.00	9.99	-0.46
10,750.00	55.07	0.65	10,614.74	-665.68	216.83	-666.99	10.00	9.99	-0.40
10,800.00	60.07	0.48	10,641.55	-623.49	217.24	-624.81	10.00	10.00	-0.35
10,850.00	65.07	0.32	10,664.57	-579.13	217.55	-580.45	10.00	10.00	-0.32
10,900.00	70.06	0.17	10,683.65	-532.93	217.74	-534.25	10.00	10.00	-0.29
10,950.00	75.06	0.03	10,698.63	-485.25	217.82	-486.57	10.00	10.00	-0.28
11,000.00	80.06	359.90	10,709.40	-436.43	217.79	-437.76	10.00	10.00	-0.26
11,050.00	85.06	359.77	10,715.87	-386.87	217.65	-388.19	10.00	10.00	-0.26
11,099.43	90.00	359.65	10,718.00	-337.50	217.40	-338.82	10.00	10.00	-0.25
<b>LP</b>									
11,200.00	90.00	359.65	10,718.00	-236.94	216.78	-238.26	0.00	0.00	0.00
11,300.00	90.00	359.65	10,718.00	-136.94	216.16	-138.26	0.00	0.00	0.00
11,400.00	90.00	359.65	10,718.00	-36.94	215.54	-38.26	0.00	0.00	0.00
11,500.00	90.00	359.65	10,718.00	63.06	214.93	61.74	0.00	0.00	0.00
11,600.00	90.00	359.65	10,718.00	163.06	214.31	161.74	0.00	0.00	0.00
11,700.00	90.00	359.65	10,718.00	263.06	213.69	261.74	0.00	0.00	0.00
11,800.00	90.00	359.65	10,718.00	363.05	213.07	361.74	0.00	0.00	0.00
11,900.00	90.00	359.65	10,718.00	463.05	212.45	461.74	0.00	0.00	0.00
12,000.00	90.00	359.65	10,718.00	563.05	211.84	561.74	0.00	0.00	0.00
12,100.00	90.00	359.65	10,718.00	663.05	211.22	661.74	0.00	0.00	0.00
12,200.00	90.00	359.65	10,718.00	763.05	210.60	761.74	0.00	0.00	0.00
12,300.00	90.00	359.65	10,718.00	863.04	209.98	861.74	0.00	0.00	0.00
12,400.00	90.00	359.65	10,718.00	963.04	209.37	961.74	0.00	0.00	0.00
12,500.00	90.00	359.65	10,718.00	1,063.04	208.75	1,061.74	0.00	0.00	0.00
12,600.00	90.00	359.65	10,718.00	1,163.04	208.13	1,161.74	0.00	0.00	0.00
12,700.00	90.00	359.65	10,718.00	1,263.04	207.51	1,261.74	0.00	0.00	0.00
12,800.00	90.00	359.65	10,718.00	1,363.03	206.90	1,361.74	0.00	0.00	0.00





## Planning Report

<b>Database:</b>	EDM 5000.1.13 Single User Db	<b>Local Co-ordinate Reference:</b>	Well #706H
<b>Company:</b>	XTO Energy	<b>TVD Reference:</b>	GL @ 3529.00usft
<b>Project:</b>	Lea County, NM (NAD-27)	<b>MD Reference:</b>	GL @ 3529.00usft
<b>Site:</b>	OUTRIDER 28 FED	<b>North Reference:</b>	Grid
<b>Well:</b>	#706H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	PERMIT		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
12,900.00	90.00	359.65	10,718.00	1,463.03	206.28	1,461.74	0.00	0.00	0.00	
13,000.00	90.00	359.65	10,718.00	1,563.03	205.66	1,561.74	0.00	0.00	0.00	
13,100.00	90.00	359.65	10,718.00	1,663.03	205.04	1,661.74	0.00	0.00	0.00	
13,200.00	90.00	359.65	10,718.00	1,763.03	204.42	1,761.74	0.00	0.00	0.00	
13,300.00	90.00	359.65	10,718.00	1,863.02	203.81	1,861.74	0.00	0.00	0.00	
13,400.00	90.00	359.65	10,718.00	1,963.02	203.19	1,961.74	0.00	0.00	0.00	
13,500.00	90.00	359.65	10,718.00	2,063.02	202.57	2,061.74	0.00	0.00	0.00	
13,600.00	90.00	359.65	10,718.00	2,163.02	201.95	2,161.74	0.00	0.00	0.00	
13,700.00	90.00	359.65	10,718.00	2,263.02	201.34	2,261.74	0.00	0.00	0.00	
13,800.00	90.00	359.65	10,718.00	2,363.02	200.72	2,361.74	0.00	0.00	0.00	
13,900.00	90.00	359.65	10,718.00	2,463.01	200.10	2,461.74	0.00	0.00	0.00	
14,000.00	90.00	359.65	10,718.00	2,563.01	199.48	2,561.74	0.00	0.00	0.00	
14,100.00	90.00	359.65	10,718.00	2,663.01	198.87	2,661.74	0.00	0.00	0.00	
14,200.00	90.00	359.65	10,718.00	2,763.01	198.25	2,761.74	0.00	0.00	0.00	
14,300.00	90.00	359.65	10,718.00	2,863.01	197.63	2,861.74	0.00	0.00	0.00	
14,400.00	90.00	359.65	10,718.00	2,963.00	197.01	2,961.74	0.00	0.00	0.00	
14,500.00	90.00	359.65	10,718.00	3,063.00	196.39	3,061.74	0.00	0.00	0.00	
14,600.00	90.00	359.65	10,718.00	3,163.00	195.78	3,161.74	0.00	0.00	0.00	
14,700.00	90.00	359.65	10,718.00	3,263.00	195.16	3,261.74	0.00	0.00	0.00	
14,800.00	90.00	359.65	10,718.00	3,363.00	194.54	3,361.74	0.00	0.00	0.00	
14,900.00	90.00	359.65	10,718.00	3,462.99	193.92	3,461.74	0.00	0.00	0.00	
15,000.00	90.00	359.65	10,718.00	3,562.99	193.31	3,561.75	0.00	0.00	0.00	
15,100.00	90.00	359.65	10,718.00	3,662.99	192.69	3,661.75	0.00	0.00	0.00	
15,200.00	90.00	359.65	10,718.00	3,762.99	192.07	3,761.75	0.00	0.00	0.00	
15,300.00	90.00	359.65	10,718.00	3,862.99	191.45	3,861.75	0.00	0.00	0.00	
15,400.00	90.00	359.65	10,718.00	3,962.98	190.84	3,961.75	0.00	0.00	0.00	
15,500.00	90.00	359.65	10,718.00	4,062.98	190.22	4,061.75	0.00	0.00	0.00	
15,600.00	90.00	359.65	10,718.00	4,162.98	189.60	4,161.75	0.00	0.00	0.00	
15,700.00	90.00	359.65	10,718.00	4,262.98	188.98	4,261.75	0.00	0.00	0.00	
15,800.00	90.00	359.65	10,718.00	4,362.98	188.36	4,361.75	0.00	0.00	0.00	
15,900.00	90.00	359.65	10,718.00	4,462.98	187.75	4,461.75	0.00	0.00	0.00	
16,000.00	90.00	359.65	10,718.00	4,562.97	187.13	4,561.75	0.00	0.00	0.00	
16,100.00	90.00	359.65	10,718.00	4,662.97	186.51	4,661.75	0.00	0.00	0.00	
16,200.00	90.00	359.65	10,718.00	4,762.97	185.89	4,761.75	0.00	0.00	0.00	
16,300.00	90.00	359.65	10,718.00	4,862.97	185.28	4,861.75	0.00	0.00	0.00	
16,400.00	90.00	359.65	10,718.00	4,962.97	184.66	4,961.75	0.00	0.00	0.00	
16,500.00	90.00	359.65	10,718.00	5,062.96	184.04	5,061.75	0.00	0.00	0.00	
16,600.00	90.00	359.65	10,718.00	5,162.96	183.42	5,161.75	0.00	0.00	0.00	
16,700.00	90.00	359.65	10,718.00	5,262.96	182.80	5,261.75	0.00	0.00	0.00	
16,800.00	90.00	359.65	10,718.00	5,362.96	182.19	5,361.75	0.00	0.00	0.00	
16,900.00	90.00	359.65	10,718.00	5,462.96	181.57	5,461.75	0.00	0.00	0.00	
17,000.00	90.00	359.65	10,718.00	5,562.95	180.95	5,561.75	0.00	0.00	0.00	
17,100.00	90.00	359.65	10,718.00	5,662.95	180.33	5,661.75	0.00	0.00	0.00	
17,200.00	90.00	359.65	10,718.00	5,762.95	179.72	5,761.75	0.00	0.00	0.00	
17,300.00	90.00	359.65	10,718.00	5,862.95	179.10	5,861.75	0.00	0.00	0.00	
17,400.00	90.00	359.65	10,718.00	5,962.95	178.48	5,961.75	0.00	0.00	0.00	
17,500.00	90.00	359.65	10,718.00	6,062.94	177.86	6,061.75	0.00	0.00	0.00	
17,600.00	90.00	359.65	10,718.00	6,162.94	177.25	6,161.75	0.00	0.00	0.00	
17,700.00	90.00	359.65	10,718.00	6,262.94	176.63	6,261.75	0.00	0.00	0.00	
17,800.00	90.00	359.65	10,718.00	6,362.94	176.01	6,361.75	0.00	0.00	0.00	
17,900.00	90.00	359.65	10,718.00	6,462.94	175.39	6,461.75	0.00	0.00	0.00	
18,000.00	90.00	359.65	10,718.00	6,562.94	174.77	6,561.75	0.00	0.00	0.00	
18,100.00	90.00	359.65	10,718.00	6,662.93	174.16	6,661.75	0.00	0.00	0.00	
18,200.00	90.00	359.65	10,718.00	6,762.93	173.54	6,761.75	0.00	0.00	0.00	





## Planning Report

<b>Database:</b>	EDM 5000.1.13 Single User Db	<b>Local Co-ordinate Reference:</b>	Well #706H
<b>Company:</b>	XTO Energy	<b>TVD Reference:</b>	GL @ 3529.00usft
<b>Project:</b>	Lea County, NM (NAD-27)	<b>MD Reference:</b>	GL @ 3529.00usft
<b>Site:</b>	OUTRIDER 28 FED	<b>North Reference:</b>	Grid
<b>Well:</b>	#706H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	PERMIT		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,300.00	90.00	359.65	10,718.00	6,862.93	172.92	6,861.75	0.00	0.00	0.00
18,400.00	90.00	359.65	10,718.00	6,962.93	172.30	6,961.75	0.00	0.00	0.00
18,500.00	90.00	359.65	10,718.00	7,062.93	171.69	7,061.75	0.00	0.00	0.00
18,600.00	90.00	359.65	10,718.00	7,162.92	171.07	7,161.75	0.00	0.00	0.00
18,700.00	90.00	359.65	10,718.00	7,262.92	170.45	7,261.75	0.00	0.00	0.00
18,800.00	90.00	359.65	10,718.00	7,362.92	169.83	7,361.75	0.00	0.00	0.00
18,900.00	90.00	359.65	10,718.00	7,462.92	169.22	7,461.75	0.00	0.00	0.00
19,000.00	90.00	359.65	10,718.00	7,562.92	168.60	7,561.75	0.00	0.00	0.00
19,100.00	90.00	359.65	10,718.00	7,662.91	167.98	7,661.75	0.00	0.00	0.00
19,200.00	90.00	359.65	10,718.00	7,762.91	167.36	7,761.75	0.00	0.00	0.00
19,300.00	90.00	359.65	10,718.00	7,862.91	166.74	7,861.75	0.00	0.00	0.00
19,400.00	90.00	359.65	10,718.00	7,962.91	166.13	7,961.75	0.00	0.00	0.00
19,500.00	90.00	359.65	10,718.00	8,062.91	165.51	8,061.75	0.00	0.00	0.00
19,600.00	90.00	359.65	10,718.00	8,162.90	164.89	8,161.75	0.00	0.00	0.00
19,700.00	90.00	359.65	10,718.00	8,262.90	164.27	8,261.75	0.00	0.00	0.00
19,800.00	90.00	359.65	10,718.00	8,362.90	163.66	8,361.75	0.00	0.00	0.00
19,900.00	90.00	359.65	10,718.00	8,462.90	163.04	8,461.75	0.00	0.00	0.00
20,000.00	90.00	359.65	10,718.00	8,562.90	162.42	8,561.75	0.00	0.00	0.00
20,100.00	90.00	359.65	10,718.00	8,662.90	161.80	8,661.75	0.00	0.00	0.00
20,200.00	90.00	359.65	10,718.00	8,762.89	161.18	8,761.75	0.00	0.00	0.00
20,300.00	90.00	359.65	10,718.00	8,862.89	160.57	8,861.75	0.00	0.00	0.00
20,400.00	90.00	359.65	10,718.00	8,962.89	159.95	8,961.75	0.00	0.00	0.00
20,500.00	90.00	359.65	10,718.00	9,062.89	159.33	9,061.75	0.00	0.00	0.00
20,600.00	90.00	359.65	10,718.00	9,162.89	158.71	9,161.75	0.00	0.00	0.00
20,700.00	90.00	359.65	10,718.00	9,262.88	158.10	9,261.75	0.00	0.00	0.00
20,800.00	90.00	359.65	10,718.00	9,362.88	157.48	9,361.75	0.00	0.00	0.00
20,900.00	90.00	359.65	10,718.00	9,462.88	156.86	9,461.75	0.00	0.00	0.00
21,000.00	90.00	359.65	10,718.00	9,562.88	156.24	9,561.75	0.00	0.00	0.00
21,100.00	90.00	359.65	10,718.00	9,662.88	155.63	9,661.75	0.00	0.00	0.00
21,200.00	90.00	359.65	10,718.00	9,762.87	155.01	9,761.75	0.00	0.00	0.00
21,300.00	90.00	359.65	10,718.00	9,862.87	154.39	9,861.75	0.00	0.00	0.00
21,400.00	90.00	359.65	10,718.00	9,962.87	153.77	9,961.75	0.00	0.00	0.00
21,500.00	90.00	359.65	10,718.00	10,062.87	153.15	10,061.75	0.00	0.00	0.00
21,557.43	90.00	359.65	10,718.00	10,120.30	152.80	10,119.18	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
706 PLAT SHL: 389 F - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	430,625.80	703,179.50	32.1822024	-103.6766087
706 PLAT LTP/ BHL: 4 - plan hits target center - Point	0.00	0.00	10,718.00	10,120.30	152.80	440,746.10	703,332.30	32.2100188	-103.6759148
706 PLAT LP/ FTP - plan hits target center - Point	0.00	0.00	10,718.00	-337.50	217.40	430,288.30	703,396.90	32.1812710	-103.6759127

## PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

<b>OPERATOR'S NAME:</b>	<b>XTO Energy, Inc.</b>
<b>LEASE NO.:</b>	<b>NMNM-016353</b>
<b>WELL NAME &amp; NO.:</b>	<b>Outrider 28 Fed 706H</b>
<b>SURFACE HOLE FOOTAGE:</b>	<b>0389' FSL &amp; 1865' FEL</b>
<b>BOTTOM HOLE FOOTAGE:</b>	<b>0050' FNL &amp; 1650' FEL Sec. 21, T.24 S., R.32 E.</b>
<b>LOCATION:</b>	<b>Section 28, T.24 S., R.32 E., NMPM</b>
<b>COUNTY:</b>	<b>Lea County, New Mexico</b>

COA

H2S	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Potash	<input checked="" type="radio"/> None	<input type="radio"/> Secretary	<input type="radio"/> R-111-P
Cave/Karst Potential	<input checked="" type="radio"/> Low	<input type="radio"/> Medium	<input type="radio"/> High
Cave/Karst Potential	<input type="radio"/> Critical		
Variance	<input type="radio"/> None	<input checked="" type="radio"/> Flex Hose	<input type="radio"/> Other
Wellhead	<input type="radio"/> Conventional	<input checked="" type="radio"/> Multibowl	<input type="radio"/> Both
Other	<input type="checkbox"/> 4 String Area	<input type="checkbox"/> Capitan Reef	<input type="checkbox"/> WIPP
Other	<input checked="" type="checkbox"/> Fluid Filled	<input type="checkbox"/> Cement Squeeze	<input type="checkbox"/> Pilot Hole
Special Requirements	<input type="checkbox"/> Water Disposal	<input checked="" type="checkbox"/> COM	<input type="checkbox"/> Unit

**Possibility of water flows in the Salado and Castile.**

**Possibility of lost circulation in the Red Beds, Rustler, and Delaware.**

### A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware** formation. As a result, the Hydrogen Sulfide area must meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

**B. CASING**

1. The **9-5/8** inch surface casing shall be set at approximately **1141** feet (a minimum of 25 feet (Lea County) into the Rustler Anhydrite and above the salt) and cemented to the surface.
  - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
  - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
  - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
  - d. If cement falls back, remedial cementing will be done prior to drilling out that string.

**Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.**

2. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:
  - Cement to surface. If cement does not circulate see B.1.a, c-d above.
3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
  - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification. **Excess calculates to 15% - Additional cement may be required.**

### C. PRESSURE CONTROL

1. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 3500 psi.**
  - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
  - c. Manufacturer representative shall install the test plug for the initial BOP test.
  - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
  - e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

#### **BOP Break Testing Variance**

- Shell testing is not approved for any portion of the hole with a MASP of 5000 psi or greater.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer prior to the commencement of any BOP Break Testing operations.
- A full BOP test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOP test will be required.

**D. SPECIAL REQUIREMENT (S)**

**Operator must submit an NOI sundry to add “COM” to the well name.**

**Communitization Agreement**

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

## GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

☒ Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575)  
393-3612

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
  - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
  - b. When the operator proposes to set surface casing with Spudder Rig
    - Notify the BLM when moving in and removing the Spudder Rig.
    - Notify the BLM when moving in the 2<sup>nd</sup> Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
    - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.



## A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
2. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
4. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
5. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
6. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

## B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
  - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
  - b. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

- c. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- d. The results of the test shall be reported to the appropriate BLM office.
- e. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- f. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- g. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

#### C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

#### D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

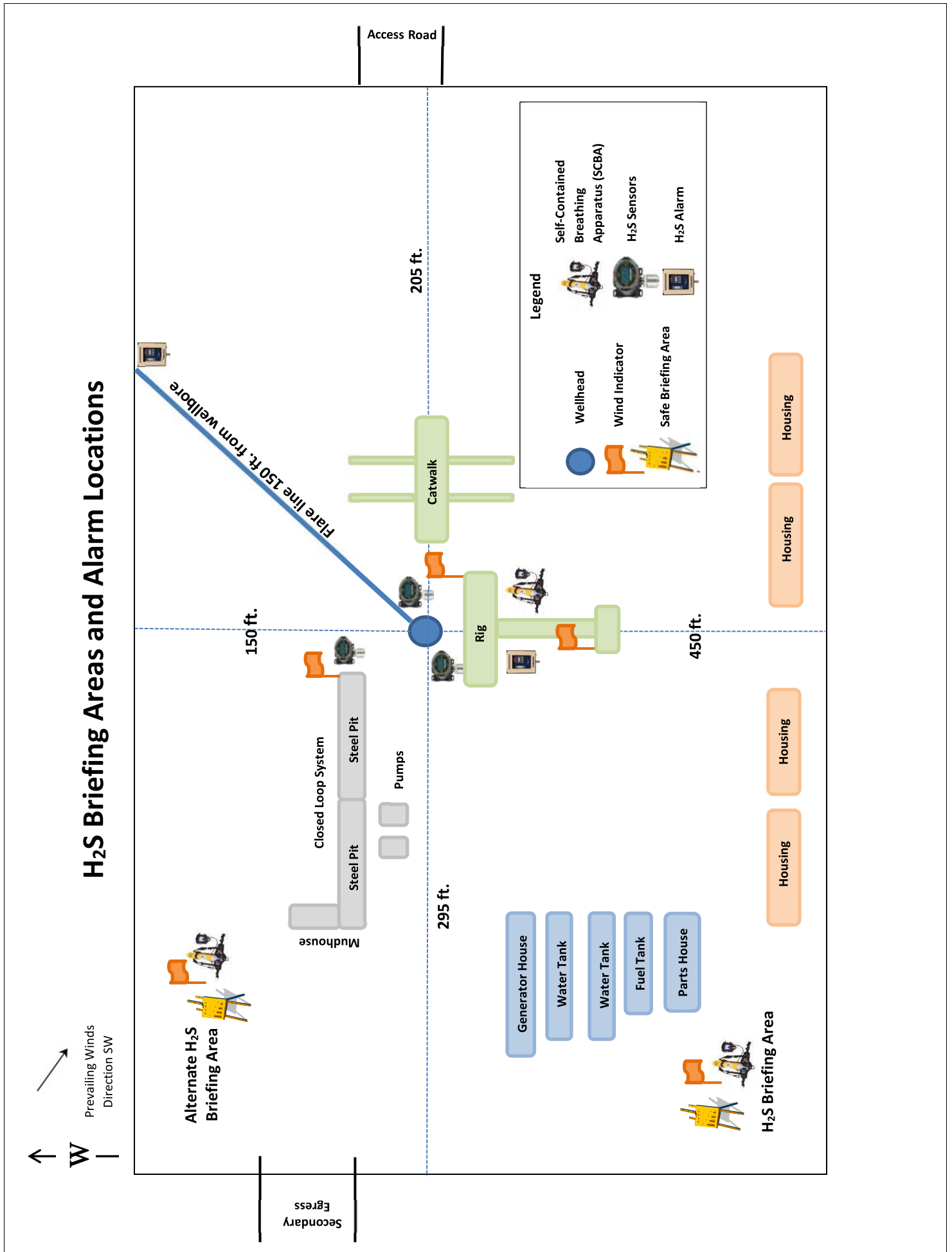
**JAM 11292021**



## Planning Report

<b>Database:</b>	EDM 5000.1.13 Single User Db	<b>Local Co-ordinate Reference:</b>	Well #706H
<b>Company:</b>	XTO Energy	<b>TVD Reference:</b>	GL @ 3529.00usft
<b>Project:</b>	Lea County, NM (NAD-27)	<b>MD Reference:</b>	GL @ 3529.00usft
<b>Site:</b>	OUTRIDER 28 FED	<b>North Reference:</b>	Grid
<b>Well:</b>	#706H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	PERMIT		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
927.00	927.00	Rustler				
1,241.00	1,241.00	Top Salt				
4,563.99	4,548.00	Base Salt				
4,773.42	4,756.00	Delaware				
5,712.84	5,689.00	Cherry Canyon				
7,300.69	7,266.00	Brushy Canyon				
8,718.38	8,674.00	Bone Spring				
9,892.40	9,840.00	1st Bone Spring SS				
10,440.32	10,379.00	2nd Bone Spring SS				
11,099.43	10,718.00	LP				





## HYDROGEN SULFIDE (H<sub>2</sub>S) CONTINGENCY PLAN

### Assumed 100 ppm ROE = 3000'

100 ppm H<sub>2</sub>S concentration shall trigger activation of this plan.

#### Emergency Procedures

In the event of a release of gas containing H<sub>2</sub>S, the first responder(s) must

- Isolate the area and prevent entry by other persons into the 100 ppm ROE.
- Evacuate any public places encompassed by the 100 ppm ROE.
- Be equipped with H<sub>2</sub>S monitors and air packs in order to control the release.
- Use the "buddy system" to ensure no injuries occur during the response
- Take precautions to avoid personal injury during this operation.
- Contact operator and/or local officials to aid in operation. See list of phone numbers attached.
- Have received training in the
  - o Detection of H<sub>2</sub>S, and
  - o Measures for protection against the gas,
  - o Equipment used for protection and emergency response.

#### Ignition of Gas source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO<sub>2</sub>). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally, the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever this is an ignition of the gas.

#### Characteristics of H<sub>2</sub>S and SO<sub>2</sub>

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H <sub>2</sub> S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO <sub>2</sub>	2.21 Air = 1	2 ppm	N/A	1000 ppm

#### Contacting Authorities

XTO Energy, Inc. personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available including directions to site. The following call list of essential and potential responders has been prepared for use during a release. (Operator Name)'s response must be in coordination with the State of New Mexico's "Hazardous Materials Emergency Response Plan" (HMER).

**CARLSBAD OFFICE – EDDY & LEA COUNTIES**

3104 E. Greene St., Carlsbad, NM 88220  
Carlsbad, NM

575-887-7329

**XTO Energy, Inc. PERSONNEL:**

Kendall Decker, Drilling Manager  
Milton Turman, Drilling Superintendent  
Jeff Raines, Construction Foreman  
Toady Sanders, EH & S Manager  
Wes McSpadden, Production Foreman

903-521-6477  
817-524-5107  
432-557-3159  
903-520-1601  
575-441-1147

**SHERIFF DEPARTMENTS:**

Eddy County  
Lea County

575-887-7551  
575-396-3611

**NEW MEXICO STATE POLICE:**

575-392-5588

**FIRE DEPARTMENTS:**

Carlsbad  
Eunice  
Hobbs  
Jal  
Lovington

911  
575-885-2111  
575-394-2111  
575-397-9308  
575-395-2221  
575-396-2359

**HOSPITALS:**

Carlsbad Medical Emergency  
Eunice Medical Emergency  
Hobbs Medical Emergency  
Jal Medical Emergency  
Lovington Medical Emergency

911  
575-885-2111  
575-394-2112  
575-397-9308  
575-395-2221  
575-396-2359

**AGENT NOTIFICATIONS:****For Lea County:**

Bureau of Land Management – Hobbs  
New Mexico Oil Conservation Division – Hobbs

575-393-3612  
575-393-6161

**For Eddy County:**

Bureau of Land Management - Carlsbad  
New Mexico Oil Conservation Division - Artesia

575-234-5972  
575-748-1283

**Operator Name:** XTO ENERGY INCORPORATED**Well Name:** OUTRIDER 28 FED**Well Number:** 706H

and the contents thereof disposed of in an approved sewage disposal facility. All state and local laws and regulations pertaining to the disposal of human and solid waste will be complied with. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.

**Safe containmant attachment:****Waste disposal type:** HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL**Disposal type description:****Disposal location description:** A licensed 3rd Party contractor will be used to haul and dispose of human waste.**Waste type:** GARBAGE**Waste content description:** Garbage**Amount of waste:** 250 pounds**Waste disposal frequency :** Weekly

**Safe containment description:** All garbage, junk and non-flammable waste materials will be contained in a self-contained, portable dumpster or trash cage, to prevent scattering and will be removed and deposited in an approve sanitary landfill. Immediately after drilling all debris and other waste materials on and around the well location not contained in the trash cage will be cleaned up and removed from the location. No potentially adverse materials or substances will be left on the location. Debris. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned and removed from the well location. No potential adverse materials or substances will be left on location.

**Safe containmant attachment:****Waste disposal type:** HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL**Disposal type description:****Disposal location description:** A licensed 3rd party contractor will be used to haul and dispose of human waste.

### Reserve Pit

**Reserve Pit being used?** NO**Temporary disposal of produced water into reserve pit?** NO**Reserve pit length (ft.)** **Reserve pit width (ft.)****Reserve pit depth (ft.)** **Reserve pit volume (cu. yd.)****Is at least 50% of the reserve pit in cut?****Reserve pit liner****Reserve pit liner specifications and installation description**

### Cuttings Area

**Cuttings Area being used?** NO

Released to Imaging: 6/15/2022 3:50:58 PM  
Are you storing cuttings on location? Y



**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 Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 109172

**CONDITIONS**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 109172
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

**CONDITIONS**

Created By	Condition	Condition Date
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104	6/15/2022
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	6/15/2022
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system	6/15/2022
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing	6/15/2022