Form 3160-3
(June 2015)

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
NMNM016353

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☑ DRILL ☐ REENTER

1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other

1c. Type of Completion: ☐ Hydraulic Fracturing ☑ Single Zone ☐ Multiple Zone

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

8. Lease Name and Well No.
OUTRIDER 28 FED
105H [332874]

2. Name of Operator
XTO ENERGY INCORPORATED [5380]

9. API Well No.
30-025-50244

3a. Address
XTO ENERGY INC, SPRING, TX 77389

3b. Phone No. *(include area code)*
(817) 870-2800

10. Field and Pool, or Exploratory
MESA VERDE; WOLFCAMP [98248]

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface SESW / 391 FSL / 1793 FWL / LAT 32.182312 / LONG -103.68236
At proposed prod. zone NENE / 50 FNL / 2310 FEL / LAT 32.210137 / LONG -103.678529

11. Sec., T. R. M. or Blk. and Survey or Area
SEC 28/T24S/R32E/NMP

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

12. County or Parish
LEA

13. State

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
391 feet

16. No of acres in lease

17. Spacing Unit dedicated to this well
320.0

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
30 feet

19. Proposed Depth
12148 feet / 23046 feet

20. BLM/BIA Bond No. in file
FED:

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3527 feet

22. Approximate date work will start*
10/31/2021

23. 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.
2. A Drilling Plan.
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).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature	Name *(Printed/Typed)*	Date
(Electronic Submission)	STEPHANIE RABADUE / Ph: (432) 620-6700	06/15/2021

Title
Regulatory Coordinator

Approved by *(Signature)*	Name *(Printed/Typed)*	Date
(Electronic Submission)	Cody Layton / Ph: (575) 234-5959	12/02/2021

Title	Office
Assistant Field Manager Lands & Minerals	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

APPROVED WITH CONDITIONS

KZ
06/14/2022

SL

Approval Date: 12/02/2021

(Continued on page 2)

*(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 wen, 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 directionany 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 wen 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 win 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 conects this information to anow 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 Conection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

(Continued on page 3)

Additional Operator Remarks

Location of Well

0. SHL: SESW / 391 FSL / 1793 FWL / TWSP: 24S / RANGE: 32E / SECTION: 28 / LAT: 32.182312 / LONG: -103.68236 (TVD: 0 feet, MD: 0 feet)

PPP: SWSE / 100 FSL / 2310 FEL / TWSP: 24S / RANGE: 32E / SECTION: 28 / LAT: 32.18139 / LONG: -103.678525 (TVD: 12148 feet, MD: 12600 feet)

BHL: NENE / 50 FNL / 2310 FEL / TWSP: 24S / RANGE: 32E / SECTION: 21 / LAT: 32.210137 / LONG: -103.678529 (TVD: 12148 feet, MD: 23046 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

1 API Number	2 Pool Code	3 Pool Name
30-025-50244	98248	WC-025 G-08 S243217P;UPR WOLFCAMP

4 Property Code	5 Property Name	6 Well Number
332874	OUTRIDER 28 FED	105H

7 OGRID No.	8 Operator Name	9 Elevation
005380	XTO ENERGY, INC.	3,527'

10 Surface Location

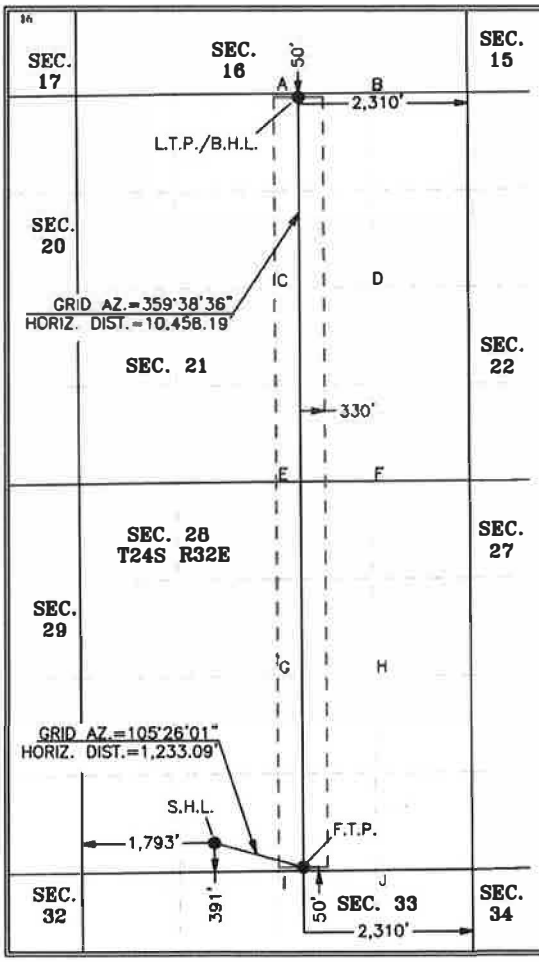
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	28	24 S	32 E		391	SOUTH	1,793	WEST	LEA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	21	24 S	32 E		50	NORTH	2,310	EAST	LEA

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320			

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.



SHL (NAD83 NME)		LTP/BHL (NAD83 NME)	
Y =	430,669.1	Y =	440,799.0
X =	742,733.0	X =	743,856.5
LAT. =	32.182312 °N	LAT. =	32.210137 °N
LONG. =	103.682360 °W	LONG. =	103.678529 °W

FTP (NAD83 NME)	
Y =	430,341.0
X =	743,921.6
LAT. =	32.181390 °N
LONG. =	103.678525 °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)		LTP/BHL (NAD27 NME)	
Y =	430,610.7	Y =	440,740.4
X =	701,548.4	X =	702,672.3
LAT. =	32.182188 °N	LAT. =	32.210014 °N
LONG. =	103.681881 °W	LONG. =	103.678049 °W

FTP (NAD27 NME)	
Y =	430,282.6
X =	702,737.0
LAT. =	32.181266 °N
LONG. =	103.678046 °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

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Cassie Evans 06/07/2021
Signature Date

Cassie Evans
Printed Name

cassie.evans@exxonmobil.com
E-mail Address

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

6-4-2021
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP 23786
Certificate Number RM 2018061571

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

P:\PROJECTS\2018\2018061571-XTO-OUTRIDER_28_FED_105H-LEA\DWG\2018061571-XTO-OUTRIDER_28_FED_105H_C-102.dwg

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	30-025-50244	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		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	30-025-50244	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		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: Cassie Evans
Printed Name: Cassie Evans
Title: Regulatory Analyst
E-mail Address: Cassie.evans@exxonmobil.com
Date: 05/09/2022
Phone: 432-218.3671

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
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.

AFMSS

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

Drilling Plan Data Report
05/05/2022

APD ID: 10400076019 **Submission Date:** 06/15/2021

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER 28 FED **Well Number:** 105H

Well Type: OIL WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
5452757	QUATERNARY	3527	0	0	ALLUVIUM	NONE	N
5452758	RUSTLER ANHYDRITE	2602	925	925	ANHYDRITE, SANDSTONE, SILTSTONE	USEABLE WATER	N
5452759	TOP SALT	2288	1239	1239	SALT	NONE	N
5452760	BASE OF SALT	-1019	4546	4546	SALT	NONE	N
5452761	DELAWARE	-1227	4754	4754	SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
5452762	BONE SPRING	-5145	8672	8672	LIMESTONE, SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
5452763	WOLFCAMP	-8559	12086	12086	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL, OTHER : Produced Water	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 10M **Rating Depth:** 12148

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

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER 28 FED **Well Number:** 105H

following conditions are met: 1. After a full BOP test is conducted on the first well on the pad (First well will be the deepest Intermediate) 2. When skidding to drill an intermediate section does not penetrate into the Wolfcamp 3. Full BOP test will be required prior to drilling the production hole. A variance is requested to cement offline for the surface and intermediate casing strings 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 nippling 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	1139	0	1139	3527	2388	1139	J-55	40	BUTT	4.99	1.21	DRY	13.83	DRY	13.83
2	INTERMEDIATE	8.75	7.625	NEW	API	Y	0	11433	0	11433	0	-7906	11433	HCL-80	29.7	OTHER - Liberty FJ	1.75	1.54	DRY	1.84	DRY	1.84
3	PRODUCTION	6.75	5.5	NEW	API	Y	0	23046	0	12148	0	-8621	23046	P-110	23	OTHER - Semi-Flush	2.04	1.21	DRY	5.36	DRY	5.36

Casing Attachments

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER 28 FED **Well Number:** 105H

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

OUTRIDER_28_FED_105H_csg_20210614094902.pdf

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

OUTRIDER_28_FED_105H_csg_20210614094923.pdf

Casing Design Assumptions and Worksheet(s):

OUTRIDER_28_FED_105H_csg_20210614094930.pdf

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

OUTRIDER_28_FED_105H_csg_20210614094816.pdf

Casing Design Assumptions and Worksheet(s):

OUTRIDER_28_FED_105H_csg_20210614094847.pdf

Section 4 - Cement

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER 28 FED **Well Number:** 105H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	1139	280	1.87	12.8	523.6	100	HalCem-C	2% CaCl
SURFACE	Tail		0	1125	130	1.35	14.8	175.5	100	HalCem-C	2% CaCl
INTERMEDIATE	Lead		0	11433	390	2.77	10.5	1080.3	100	NeoCem - See Attachment for Cmt Variance	None
INTERMEDIATE	Tail		0	11433	1020	1.35	14.8	1377	100	HalCem-C See Attachment for Cmt Variance	None
PRODUCTION	Lead		11156	23046	760	13.2	1.51	10032	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

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER 28 FED **Well Number:** 105H

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	1139	SPUD MUD	8.4	8.8							FW/Native Water
1139	11433	OTHER : Brine/Cut Brine/Direct Emulsion	8.5	10.2							
11433	23046	OTHER : Cut Brine / WBM / OBM	10.8	12.3							

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: 6822 **Anticipated Surface Pressure:** 4149

Anticipated Bottom Hole Temperature(F): 165

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards 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

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER 28 FED **Well Number:** 105H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

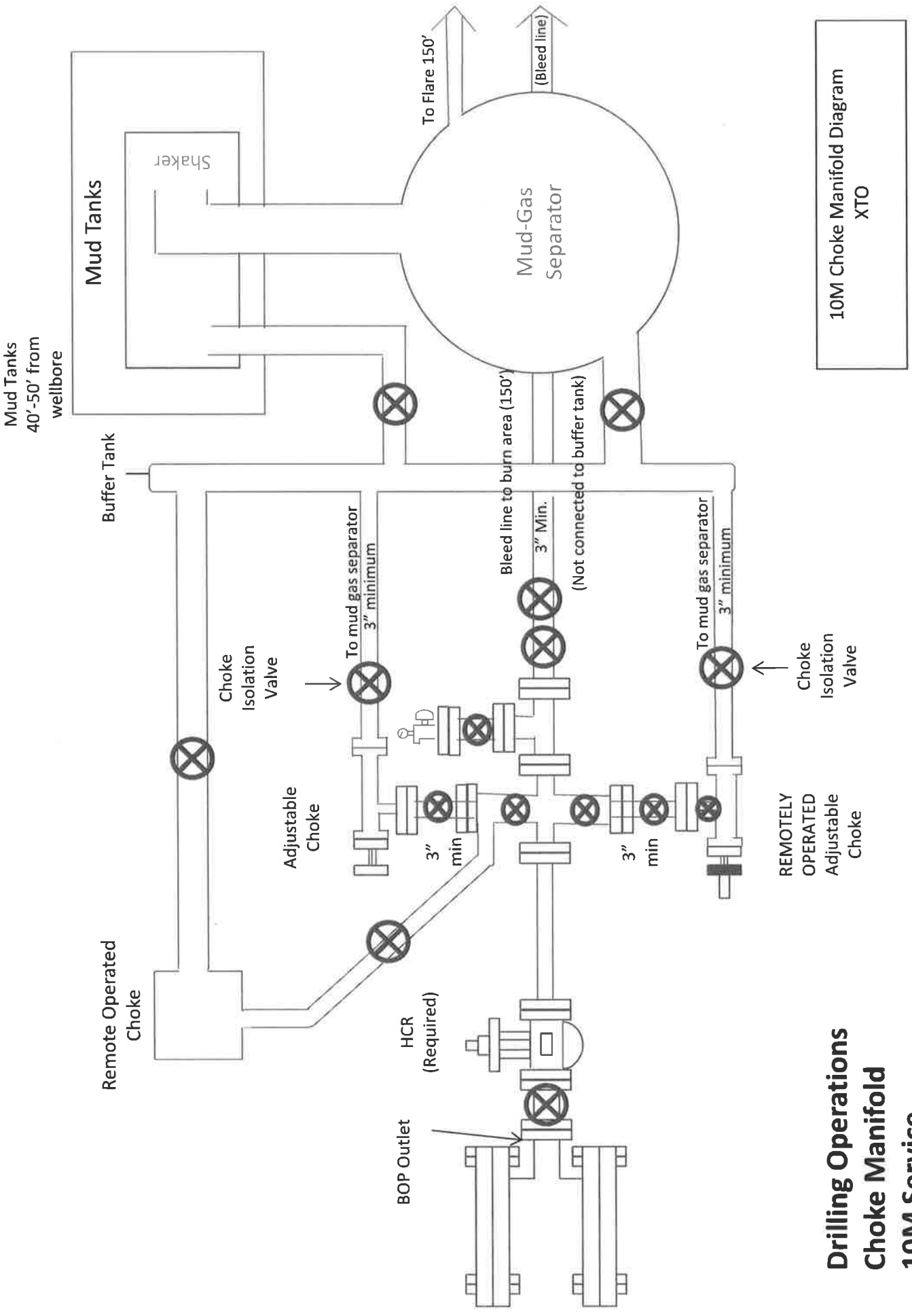
Outrider_28_Fed_105H_DD_20210614095113.pdf

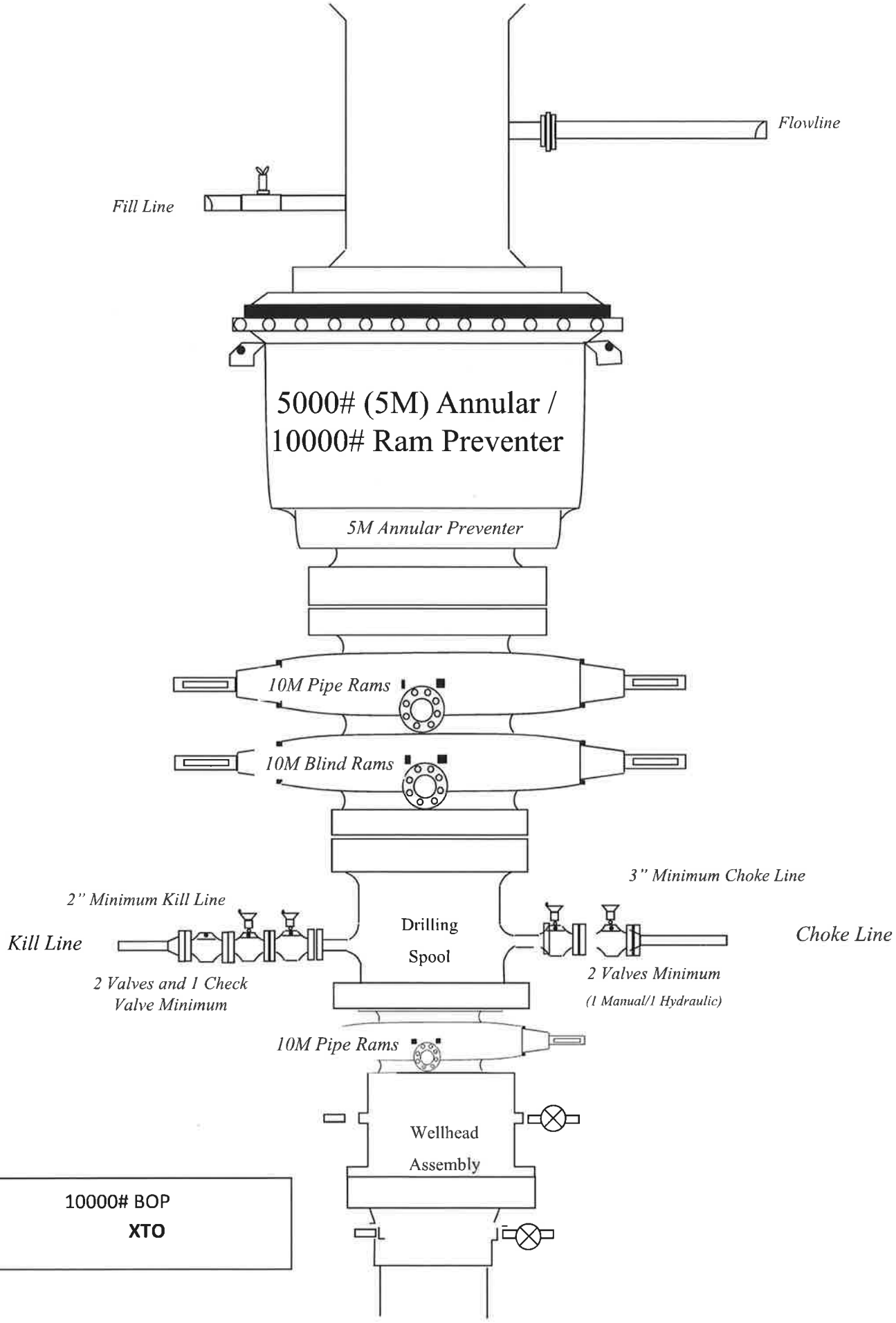
Other proposed operations facets description:

Other proposed operations facets attachment:

Other Variance attachment:

Outrider_BOP_BTV_20210614083149.pdf
Outrider_FH_20210614083157.pdf
Outrider_MBD_20210614083209.pdf
Outrider_OCV_20210614083249.pdf
Outrider_Spudder_20210614083257.pdf
Outrider_28_Fed_105H_Cmt_20210614095123.pdf


Mud Tanks
40'-50' from wellbore
Mud Tanks
Shaker
Mud-Gas Separator
To Flare 150'
(Bleed line)
10M Choke Manifold Diagram
XTO
Buffer Tank
Bleed line to burn area (150')
3" Min.
(Not connected to buffer tank)
To mud gas separator
3" minimum
To mud gas separator
3" minimum
Choke Isolation Valve
Choke Isolation Valve
Adjustable Choke
3" min
3" min
REMOTELY OPERATED Adjustable Choke
Remote Operated Choke
HCR (Required)
BOP Outlet
Drilling Operations
Choke Manifold
10M Service



10000# BOP

XTO

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Collar	Grade	New/Used	SF Burst	SF Collapse	SF Tension
12-1/4"	0' – 1139'	9-5/8"	40	BTC	J-55	New	1.21	4.99	13.83
8-3/4"	0' – 4000'	7-5/8"	29.7	Liberty FJ	CYP-110	New	2.12	2.65	1.64
8-3/4"	4000' – 11433'	7-5/8"	29.7	Liberty FJ	HCL-80	New	1.54	1.75	1.84
6-3/4"	0' – 11333'	5-1/2"	23	Semi-Premium	P-110	New	1.21	2.18	1.95
6-3/4"	11333' - 23046'	5-1/2"	23	Semi-Flush	P-110	New	1.21	2.04	5.36

- 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
#105H

Wellbore #1

Plan: PERMIT v2

Standard Planning Report

05 June, 2021

XTO ENERGY

Project: Lea County, NM (NAD-27)
Site: OUTRIDER 28 FED
Well: #105H
Wellbore: Wellbore #1
Design: PERMIT v2

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
105 PLAT SHL: 391 FSL 1793 FWL	0.00	0.00	0.00	430610.70	701548.40	32.1821882	-103.6818808	Point
105 PLAT FTP/ LP	12148.00	-328.10	1188.60	430282.60	702737.00	32.1812664	-103.6780456	Point
105 PLAT LTP/ BHL: 50 FNL 2310 FEL	12148.00	10129.70	1123.90	440740.40	702672.30	32.2100142	-103.6780487	Point

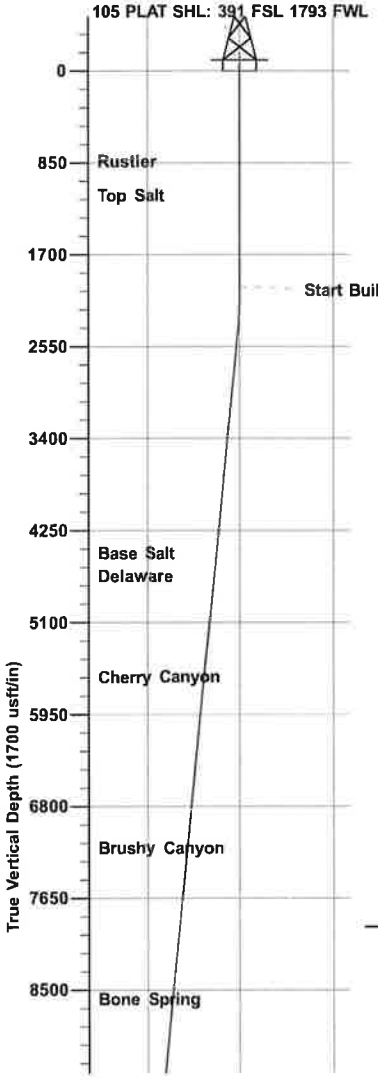
WELL DETAILS: #105H

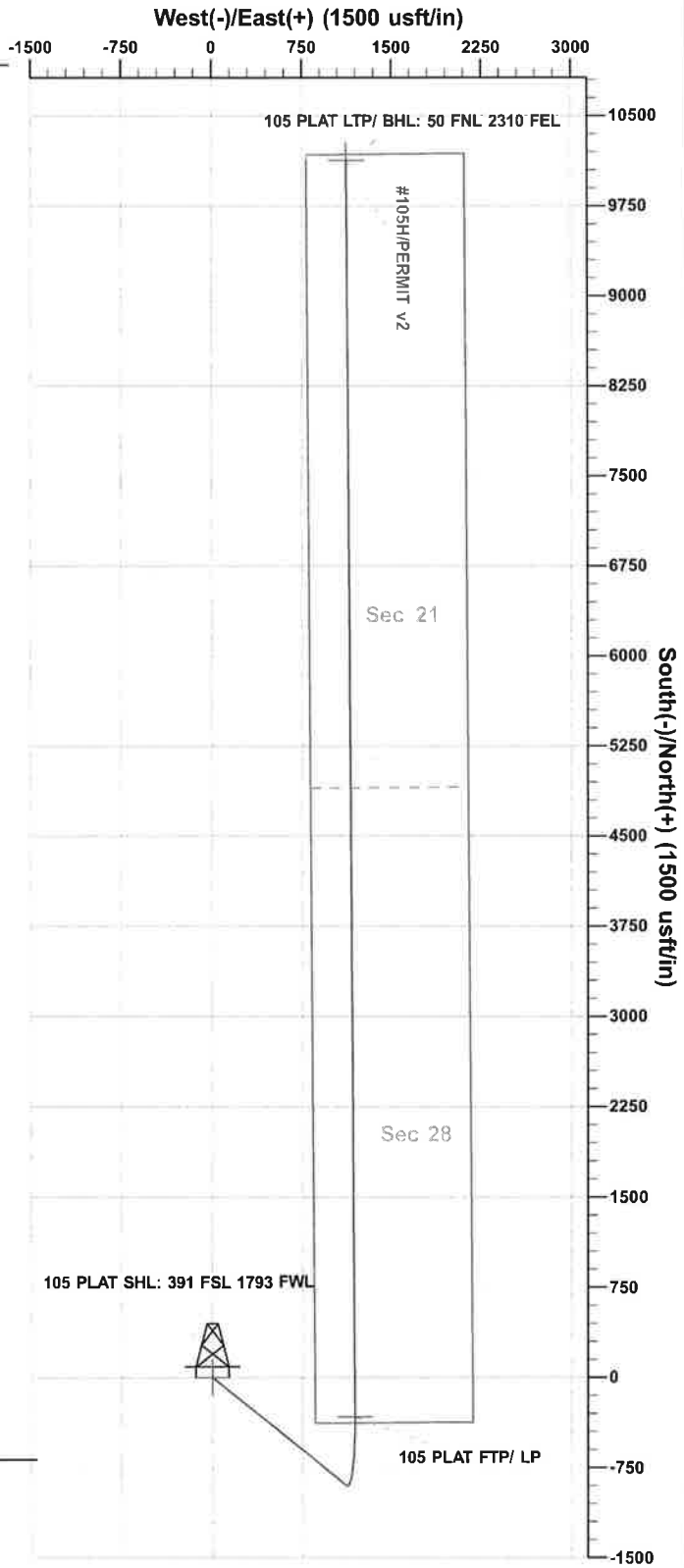
Rig Name:
GL @ 3527.00usft
Ground Level: 3527.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	430610.70	701548.40	32.1821882	-103.6818808

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
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	2438.12	8.76	128.81	2436.41	-20.95	26.05	2.00	128.81	-21.11
4	11633.39	8.76	128.81	11524.36	-898.85	1117.60	0.00	0.00	-905.66
5	12588.59	90.00	359.65	12148.00	-328.10	1188.60	10.00	-128.83	-335.35
6	23046.59	90.00	359.65	12148.00	10129.70	1123.90	0.00	0.00	10122.65





FORMATION TOP DETAILS

TVDPath	Formation
925.00	Rustler
1239.00	Top Salt
4546.00	Base Salt
4754.00	Delaware
5687.00	Cherry Canyon
7264.00	Brushy Canyon

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-		

[4] Property Code	[5] Property Name	[6] Well Number
	OUTRIDER 28 FED	105H

[7] OGRID No.	[8] Operator Name	[9] Elevation
005380	XTO ENERGY, INC.	3,527'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	28	24 S	32 E		391	SOUTH	1,793	WEST	LEA

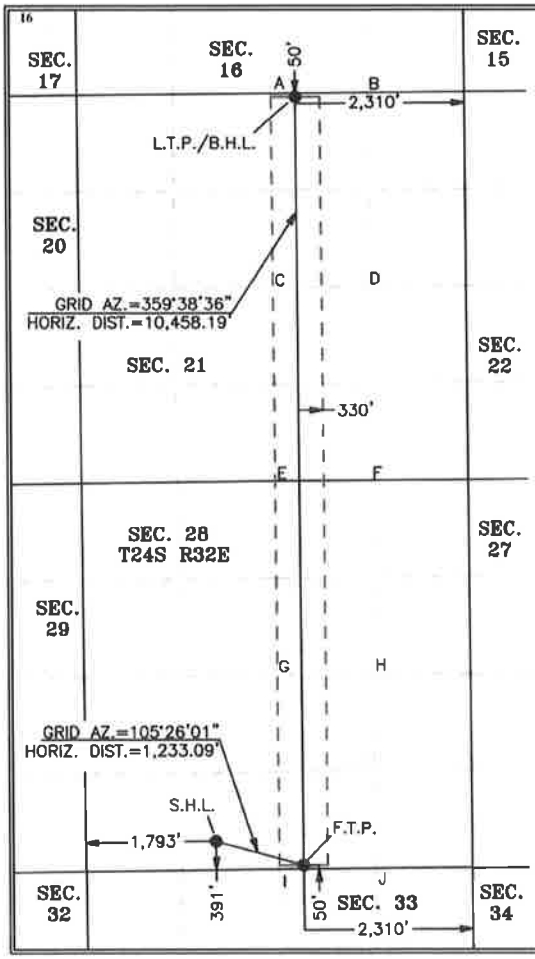
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	21	24 S	32 E		50	NORTH	2,310	EAST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] 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.

[16]



SHL (NAD83 NME)		LTP/BHL (NAD83 NME)	
Y =	430,669.1	Y =	440,799.0
X =	742,733.0	X =	743,856.5
LAT. =	32.182312 °N	LAT. =	32.210137 °N
LONG. =	103.682360 °W	LONG. =	103.678529 °W

FTP (NAD83 NME)	
Y =	430,341.0
X =	743,921.6
LAT. =	32.181390 °N
LONG. =	103.678525 °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)		LTP/BHL (NAD27 NME)	
Y =	430,610.7	Y =	440,740.4
X =	701,548.4	X =	702,672.3
LAT. =	32.182188 °N	LAT. =	32.210014 °N
LONG. =	103.681881 °W	LONG. =	103.678049 °W

FTP (NAD27 NME)	
Y =	430,282.6
X =	702,737.0
LAT. =	32.181266 °N
LONG. =	103.678046 °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

[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature Date

Printed Name

E-mail Address

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

6-4-2021
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP
NEW MEXICO
23786
PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number RM 2018061571

P:\PROJECTS\2018\2018061571-XTO-OUTRIDER_28_FED_105H-LEA\DWG\2018061571-XTO-OUTRIDER_28_FED_105H_C-102.dwg

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well #105H
Company:	XTO Energy	**TVD Reference:**	GL @ 3527.00usft
Project:	Lea County, NM (NAD-27)	**MD Reference:**	GL @ 3527.00usft
Site:	OUTRIDER 28 FED	**North Reference:**	Grid
Well:	#105H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT v2		

Project	Lea County, NM (NAD-27)		
Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	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	#105H				
Well Position	**+N/-S**	-17.70 usft	**Northing:**	430,610.70 usft	**Latitude:**	32.1821882
	+E/-W	1,207.70 usft	**Easting:**	701,548.40 usft	**Longitude:**	-103.6818808
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	0.00 usft	**Ground Level:**	3,527.00 usft

Wellbore	Wellbore #1			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2020	04/28/21	6.61	59.85	47,471

Design	PERMIT v2			
Audit Notes:				
Version:	**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**
	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	
2,438.12	8.76	128.81	2,436.41	-20.95	26.05	2.00	2.00	0.00	128.81	
11,633.39	8.76	128.81	11,524.36	-898.85	1,117.60	0.00	0.00	0.00	0.00	
12,588.59	90.00	359.65	12,148.00	-328.10	1,188.60	10.00	8.50	-13.52	-128.83	105 PLAT FTP/ LP
23,046.59	90.00	359.65	12,148.00	10,129.70	1,123.90	0.00	0.00	0.00	0.00	105 PLAT LTP/ BHl

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well #105H
Company:	XTO Energy	**TVD Reference:**	GL @ 3527.00usft
Project:	Lea County, NM (NAD-27)	**MD Reference:**	GL @ 3527.00usft
Site:	OUTRIDER 28 FED	**North Reference:**	Grid
Well:	#105H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT v2		

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
925.00	0.00	0.00	925.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
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
1,239.00	0.00	0.00	1,239.00	0.00	0.00	0.00	0.00	0.00	0.00
Top Salt									
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	128.81	2,099.98	-1.09	1.36	-1.10	2.00	2.00	0.00
2,200.00	4.00	128.81	2,199.84	-4.37	5.44	-4.41	2.00	2.00	0.00
2,300.00	6.00	128.81	2,299.45	-9.84	12.23	-9.91	2.00	2.00	0.00
2,400.00	8.00	128.81	2,398.70	-17.47	21.73	-17.61	2.00	2.00	0.00
2,438.12	8.76	128.81	2,436.41	-20.95	26.05	-21.11	2.00	2.00	0.00
2,500.00	8.76	128.81	2,497.57	-26.86	33.40	-27.07	0.00	0.00	0.00
2,600.00	8.76	128.81	2,596.40	-36.41	45.27	-36.69	0.00	0.00	0.00
2,700.00	8.76	128.81	2,695.24	-45.96	57.14	-46.31	0.00	0.00	0.00
2,800.00	8.76	128.81	2,794.07	-55.50	69.01	-55.93	0.00	0.00	0.00
2,900.00	8.76	128.81	2,892.90	-65.05	80.88	-65.54	0.00	0.00	0.00
3,000.00	8.76	128.81	2,991.74	-74.60	92.75	-75.16	0.00	0.00	0.00
3,100.00	8.76	128.81	3,090.57	-84.15	104.62	-84.78	0.00	0.00	0.00
3,200.00	8.76	128.81	3,189.40	-93.69	116.50	-94.40	0.00	0.00	0.00
3,300.00	8.76	128.81	3,288.23	-103.24	128.37	-104.02	0.00	0.00	0.00
3,400.00	8.76	128.81	3,387.07	-112.79	140.24	-113.64	0.00	0.00	0.00
3,500.00	8.76	128.81	3,485.90	-122.34	152.11	-123.26	0.00	0.00	0.00
3,600.00	8.76	128.81	3,584.73	-131.88	163.98	-132.88	0.00	0.00	0.00
3,700.00	8.76	128.81	3,683.57	-141.43	175.85	-142.50	0.00	0.00	0.00
3,800.00	8.76	128.81	3,782.40	-150.98	187.72	-152.12	0.00	0.00	0.00
3,900.00	8.76	128.81	3,881.23	-160.52	199.59	-161.74	0.00	0.00	0.00
4,000.00	8.76	128.81	3,980.07	-170.07	211.46	-171.36	0.00	0.00	0.00
4,100.00	8.76	128.81	4,078.90	-179.62	223.33	-180.98	0.00	0.00	0.00
4,200.00	8.76	128.81	4,177.73	-189.17	235.20	-190.60	0.00	0.00	0.00
4,300.00	8.76	128.81	4,276.56	-198.71	247.07	-200.22	0.00	0.00	0.00
4,400.00	8.76	128.81	4,375.40	-208.26	258.94	-209.84	0.00	0.00	0.00
4,500.00	8.76	128.81	4,474.23	-217.81	270.81	-219.46	0.00	0.00	0.00
4,572.62	8.76	128.81	4,546.00	-224.74	279.44	-226.44	0.00	0.00	0.00
Base Salt									

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well #105H
Company:	XTO Energy	**TVD Reference:**	GL @ 3527.00usft
Project:	Lea County, NM (NAD-27)	**MD Reference:**	GL @ 3527.00usft
Site:	OUTRIDER 28 FED	**North Reference:**	Grid
Well:	#105H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT v2		

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	8.76	128.81	4,573.06	-227.36	282.69	-229.08	0.00	0.00	0.00
4,700.00	8.76	128.81	4,671.90	-236.90	294.56	-238.70	0.00	0.00	0.00
4,783.07	8.76	128.81	4,754.00	-244.83	304.42	-246.69	0.00	0.00	0.00
Delaware									
4,800.00	8.76	128.81	4,770.73	-246.45	306.43	-248.32	0.00	0.00	0.00
4,900.00	8.76	128.81	4,869.56	-256.00	318.30	-257.94	0.00	0.00	0.00
5,000.00	8.76	128.81	4,968.39	-265.54	330.17	-267.56	0.00	0.00	0.00
5,100.00	8.76	128.81	5,067.23	-275.09	342.04	-277.18	0.00	0.00	0.00
5,200.00	8.76	128.81	5,166.06	-284.64	353.91	-286.80	0.00	0.00	0.00
5,300.00	8.76	128.81	5,264.89	-294.19	365.78	-296.42	0.00	0.00	0.00
5,400.00	8.76	128.81	5,363.73	-303.73	377.65	-306.03	0.00	0.00	0.00
5,500.00	8.76	128.81	5,462.56	-313.28	389.52	-315.65	0.00	0.00	0.00
5,600.00	8.76	128.81	5,561.39	-322.83	401.39	-325.27	0.00	0.00	0.00
5,700.00	8.76	128.81	5,660.22	-332.38	413.26	-334.89	0.00	0.00	0.00
5,727.09	8.76	128.81	5,687.00	-334.96	416.48	-337.50	0.00	0.00	0.00
Cherry Canyon									
5,800.00	8.76	128.81	5,759.06	-341.92	425.13	-344.51	0.00	0.00	0.00
5,900.00	8.76	128.81	5,857.89	-351.47	437.00	-354.13	0.00	0.00	0.00
6,000.00	8.76	128.81	5,956.72	-361.02	448.88	-363.75	0.00	0.00	0.00
6,100.00	8.76	128.81	6,055.56	-370.56	460.75	-373.37	0.00	0.00	0.00
6,200.00	8.76	128.81	6,154.39	-380.11	472.62	-382.99	0.00	0.00	0.00
6,300.00	8.76	128.81	6,253.22	-389.66	484.49	-392.61	0.00	0.00	0.00
6,400.00	8.76	128.81	6,352.05	-399.21	496.36	-402.23	0.00	0.00	0.00
6,500.00	8.76	128.81	6,450.89	-408.75	508.23	-411.85	0.00	0.00	0.00
6,600.00	8.76	128.81	6,549.72	-418.30	520.10	-421.47	0.00	0.00	0.00
6,700.00	8.76	128.81	6,648.55	-427.85	531.97	-431.09	0.00	0.00	0.00
6,800.00	8.76	128.81	6,747.39	-437.39	543.84	-440.71	0.00	0.00	0.00
6,900.00	8.76	128.81	6,846.22	-446.94	555.71	-450.33	0.00	0.00	0.00
7,000.00	8.76	128.81	6,945.05	-456.49	567.58	-459.95	0.00	0.00	0.00
7,100.00	8.76	128.81	7,043.88	-466.04	579.45	-469.57	0.00	0.00	0.00
7,200.00	8.76	128.81	7,142.72	-475.58	591.32	-479.19	0.00	0.00	0.00
7,300.00	8.76	128.81	7,241.55	-485.13	603.19	-488.81	0.00	0.00	0.00
7,322.72	8.76	128.81	7,264.00	-487.30	605.89	-490.99	0.00	0.00	0.00
Brushy Canyon									
7,400.00	8.76	128.81	7,340.38	-494.68	615.07	-498.43	0.00	0.00	0.00
7,500.00	8.76	128.81	7,439.22	-504.23	626.94	-508.05	0.00	0.00	0.00
7,600.00	8.76	128.81	7,538.05	-513.77	638.81	-517.67	0.00	0.00	0.00
7,700.00	8.76	128.81	7,636.88	-523.32	650.68	-527.29	0.00	0.00	0.00
7,800.00	8.76	128.81	7,735.71	-532.87	662.55	-536.90	0.00	0.00	0.00
7,900.00	8.76	128.81	7,834.55	-542.41	674.42	-546.52	0.00	0.00	0.00
8,000.00	8.76	128.81	7,933.38	-551.96	686.29	-556.14	0.00	0.00	0.00
8,100.00	8.76	128.81	8,032.21	-561.51	698.16	-565.76	0.00	0.00	0.00
8,200.00	8.76	128.81	8,131.05	-571.06	710.03	-575.38	0.00	0.00	0.00
8,300.00	8.76	128.81	8,229.88	-580.60	721.90	-585.00	0.00	0.00	0.00
8,400.00	8.76	128.81	8,328.71	-590.15	733.77	-594.62	0.00	0.00	0.00
8,500.00	8.76	128.81	8,427.54	-599.70	745.64	-604.24	0.00	0.00	0.00
8,600.00	8.76	128.81	8,526.38	-609.25	757.51	-613.86	0.00	0.00	0.00
8,700.00	8.76	128.81	8,625.21	-618.79	769.39	-623.48	0.00	0.00	0.00
8,747.34	8.76	128.81	8,672.00	-623.31	775.00	-628.04	0.00	0.00	0.00
Bone Spring									
8,800.00	8.76	128.81	8,724.04	-628.34	781.26	-633.10	0.00	0.00	0.00
8,900.00	8.76	128.81	8,822.88	-637.89	793.13	-642.72	0.00	0.00	0.00
9,000.00	8.76	128.81	8,921.71	-647.43	805.00	-652.34	0.00	0.00	0.00
9,100.00	8.76	128.81	9,020.54	-656.98	816.87	-661.96	0.00	0.00	0.00

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well #105H
Company:	XTO Energy	**TVD Reference:**	GL @ 3527.00usft
Project:	Lea County, NM (NAD-27)	**MD Reference:**	GL @ 3527.00usft
Site:	OUTRIDER 28 FED	**North Reference:**	Grid
Well:	#105H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT v2		

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	8.76	128.81	9,119.37	-666.53	828.74	-671.58	0.00	0.00	0.00
9,300.00	8.76	128.81	9,218.21	-676.08	840.61	-681.20	0.00	0.00	0.00
9,400.00	8.76	128.81	9,317.04	-685.62	852.48	-690.82	0.00	0.00	0.00
9,500.00	8.76	128.81	9,415.87	-695.17	864.35	-700.44	0.00	0.00	0.00
9,600.00	8.76	128.81	9,514.71	-704.72	876.22	-710.06	0.00	0.00	0.00
9,700.00	8.76	128.81	9,613.54	-714.27	888.09	-719.68	0.00	0.00	0.00
9,800.00	8.76	128.81	9,712.37	-723.81	899.96	-729.30	0.00	0.00	0.00
9,900.00	8.76	128.81	9,811.20	-733.36	911.83	-738.92	0.00	0.00	0.00
9,927.11	8.76	128.81	9,838.00	-735.95	915.05	-741.52	0.00	0.00	0.00
1st Bone Spring SS									
10,000.00	8.76	128.81	9,910.04	-742.91	923.70	-748.54	0.00	0.00	0.00
10,100.00	8.76	128.81	10,008.87	-752.45	935.58	-758.16	0.00	0.00	0.00
10,200.00	8.76	128.81	10,107.70	-762.00	947.45	-767.77	0.00	0.00	0.00
10,300.00	8.76	128.81	10,206.54	-771.55	959.32	-777.39	0.00	0.00	0.00
10,400.00	8.76	128.81	10,305.37	-781.10	971.19	-787.01	0.00	0.00	0.00
10,472.48	8.76	128.81	10,377.00	-788.02	979.79	-793.99	0.00	0.00	0.00
2nd Bone Spring SS									
10,500.00	8.76	128.81	10,404.20	-790.64	983.06	-796.63	0.00	0.00	0.00
10,600.00	8.76	128.81	10,503.03	-800.19	994.93	-806.25	0.00	0.00	0.00
10,700.00	8.76	128.81	10,601.87	-809.74	1,006.80	-815.87	0.00	0.00	0.00
10,800.00	8.76	128.81	10,700.70	-819.28	1,018.67	-825.49	0.00	0.00	0.00
10,900.00	8.76	128.81	10,799.53	-828.83	1,030.54	-835.11	0.00	0.00	0.00
10,974.33	8.76	128.81	10,873.00	-835.93	1,039.36	-842.26	0.00	0.00	0.00
3rd Bone Spring Lm									
11,000.00	8.76	128.81	10,898.37	-838.38	1,042.41	-844.73	0.00	0.00	0.00
11,100.00	8.76	128.81	10,997.20	-847.93	1,054.28	-854.35	0.00	0.00	0.00
11,200.00	8.76	128.81	11,096.03	-857.47	1,066.15	-863.97	0.00	0.00	0.00
11,300.00	8.76	128.81	11,194.86	-867.02	1,078.02	-873.59	0.00	0.00	0.00
11,400.00	8.76	128.81	11,293.70	-876.57	1,089.89	-883.21	0.00	0.00	0.00
11,500.00	8.76	128.81	11,392.53	-886.12	1,101.77	-892.83	0.00	0.00	0.00
11,600.00	8.76	128.81	11,491.36	-895.66	1,113.64	-902.45	0.00	0.00	0.00
11,633.39	8.76	128.81	11,524.36	-898.85	1,117.60	-905.66	0.00	0.00	0.00
11,650.00	7.83	119.26	11,540.80	-900.20	1,119.57	-907.02	10.00	-5.63	-57.45
11,700.00	6.91	80.12	11,590.42	-901.35	1,125.51	-908.20	10.00	-1.84	-78.29
11,750.00	9.16	47.45	11,639.95	-898.13	1,131.41	-905.03	10.00	4.51	-65.34
11,785.65	11.84	34.40	11,675.00	-893.20	1,135.57	-900.12	10.00	7.51	-36.61
3rd Bone Spring SS									
11,800.00	13.04	30.72	11,689.02	-890.59	1,137.23	-897.52	10.00	8.34	-25.65
11,850.00	17.49	21.94	11,737.25	-878.77	1,142.92	-885.73	10.00	8.90	-17.55
11,900.00	22.16	16.71	11,784.27	-862.75	1,148.44	-869.75	10.00	9.36	-10.47
11,950.00	26.95	13.24	11,829.74	-842.68	1,153.75	-849.71	10.00	9.58	-6.93
12,000.00	31.80	10.76	11,873.30	-818.69	1,158.81	-825.75	10.00	9.70	-4.96
12,050.00	36.69	8.87	11,914.62	-790.97	1,163.57	-798.06	10.00	9.77	-3.76
12,100.00	41.60	7.38	11,953.38	-759.73	1,168.01	-766.85	10.00	9.82	-2.99
12,150.00	46.53	6.15	11,989.30	-725.21	1,172.09	-732.35	10.00	9.85	-2.46
12,200.00	51.47	5.11	12,022.10	-687.66	1,175.78	-694.83	10.00	9.88	-2.09
12,250.00	56.41	4.20	12,051.52	-647.39	1,179.04	-654.58	10.00	9.89	-1.82
12,300.00	61.36	3.39	12,077.35	-604.69	1,181.87	-611.90	10.00	9.90	-1.62
12,318.61	63.21	3.11	12,086.00	-588.24	1,182.80	-595.46	10.00	9.91	-1.51
Wolfcamp									
12,350.00	66.32	2.65	12,099.38	-559.89	1,184.22	-567.11	10.00	9.91	-1.45
12,395.51	70.83	2.03	12,116.00	-517.57	1,185.95	-524.81	10.00	9.92	-1.37
Wolfcamp X									

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well #105H
Company:	XTO Energy	**TVD Reference:**	GL @ 3527.00usft
Project:	Lea County, NM (NAD-27)	**MD Reference:**	GL @ 3527.00usft
Site:	OUTRIDER 28 FED	**North Reference:**	Grid
Well:	#105H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT v2		

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)
12,400.00	71.28	1.97	12,117.46	-513.32	1,186.10	-520.56	10.00	9.92	-1.33
12,450.00	76.24	1.32	12,131.44	-465.35	1,187.47	-472.60	10.00	9.92	-1.29
12,500.00	81.20	0.71	12,141.21	-416.34	1,188.33	-423.59	10.00	9.93	-1.23
12,550.00	86.17	0.10	12,146.71	-366.66	1,188.68	-373.92	10.00	9.93	-1.20
12,588.59	90.00	359.65	12,148.00	-328.10	1,188.60	-335.35	10.00	9.93	-1.19
LP									
12,600.00	90.00	359.65	12,148.00	-316.69	1,188.53	-323.95	0.00	0.00	0.00
12,700.00	90.00	359.65	12,148.00	-216.69	1,187.91	-223.95	0.00	0.00	0.00
12,800.00	90.00	359.65	12,148.00	-116.70	1,187.29	-123.95	0.00	0.00	0.00
12,900.00	90.00	359.65	12,148.00	-16.70	1,186.67	-23.95	0.00	0.00	0.00
13,000.00	90.00	359.65	12,148.00	83.30	1,186.05	76.05	0.00	0.00	0.00
13,100.00	90.00	359.65	12,148.00	183.30	1,185.44	176.05	0.00	0.00	0.00
13,200.00	90.00	359.65	12,148.00	283.30	1,184.82	276.05	0.00	0.00	0.00
13,300.00	90.00	359.65	12,148.00	383.29	1,184.20	376.05	0.00	0.00	0.00
13,400.00	90.00	359.65	12,148.00	483.29	1,183.58	476.05	0.00	0.00	0.00
13,500.00	90.00	359.65	12,148.00	583.29	1,182.96	576.05	0.00	0.00	0.00
13,600.00	90.00	359.65	12,148.00	683.29	1,182.34	676.05	0.00	0.00	0.00
13,700.00	90.00	359.65	12,148.00	783.29	1,181.72	776.05	0.00	0.00	0.00
13,800.00	90.00	359.65	12,148.00	883.28	1,181.11	876.05	0.00	0.00	0.00
13,900.00	90.00	359.65	12,148.00	983.28	1,180.49	976.05	0.00	0.00	0.00
14,000.00	90.00	359.65	12,148.00	1,083.28	1,179.87	1,076.05	0.00	0.00	0.00
14,100.00	90.00	359.65	12,148.00	1,183.28	1,179.25	1,176.05	0.00	0.00	0.00
14,200.00	90.00	359.65	12,148.00	1,283.28	1,178.63	1,276.05	0.00	0.00	0.00
14,300.00	90.00	359.65	12,148.00	1,383.28	1,178.01	1,376.05	0.00	0.00	0.00
14,400.00	90.00	359.65	12,148.00	1,483.27	1,177.39	1,476.05	0.00	0.00	0.00
14,500.00	90.00	359.65	12,148.00	1,583.27	1,176.77	1,576.05	0.00	0.00	0.00
14,600.00	90.00	359.65	12,148.00	1,683.27	1,176.16	1,676.05	0.00	0.00	0.00
14,700.00	90.00	359.65	12,148.00	1,783.27	1,175.54	1,776.05	0.00	0.00	0.00
14,800.00	90.00	359.65	12,148.00	1,883.27	1,174.92	1,876.05	0.00	0.00	0.00
14,900.00	90.00	359.65	12,148.00	1,983.26	1,174.30	1,976.05	0.00	0.00	0.00
15,000.00	90.00	359.65	12,148.00	2,083.26	1,173.68	2,076.05	0.00	0.00	0.00
15,100.00	90.00	359.65	12,148.00	2,183.26	1,173.06	2,176.05	0.00	0.00	0.00
15,200.00	90.00	359.65	12,148.00	2,283.26	1,172.44	2,276.05	0.00	0.00	0.00
15,300.00	90.00	359.65	12,148.00	2,383.26	1,171.83	2,376.05	0.00	0.00	0.00
15,400.00	90.00	359.65	12,148.00	2,483.25	1,171.21	2,476.05	0.00	0.00	0.00
15,500.00	90.00	359.65	12,148.00	2,583.25	1,170.59	2,576.05	0.00	0.00	0.00
15,600.00	90.00	359.65	12,148.00	2,683.25	1,169.97	2,676.05	0.00	0.00	0.00
15,700.00	90.00	359.65	12,148.00	2,783.25	1,169.35	2,776.05	0.00	0.00	0.00
15,800.00	90.00	359.65	12,148.00	2,883.25	1,168.73	2,876.05	0.00	0.00	0.00
15,900.00	90.00	359.65	12,148.00	2,983.24	1,168.11	2,976.05	0.00	0.00	0.00
16,000.00	90.00	359.65	12,148.00	3,083.24	1,167.49	3,076.05	0.00	0.00	0.00
16,100.00	90.00	359.65	12,148.00	3,183.24	1,166.88	3,176.05	0.00	0.00	0.00
16,200.00	90.00	359.65	12,148.00	3,283.24	1,166.26	3,276.05	0.00	0.00	0.00
16,300.00	90.00	359.65	12,148.00	3,383.24	1,165.64	3,376.05	0.00	0.00	0.00
16,400.00	90.00	359.65	12,148.00	3,483.24	1,165.02	3,476.05	0.00	0.00	0.00
16,500.00	90.00	359.65	12,148.00	3,583.23	1,164.40	3,576.05	0.00	0.00	0.00
16,600.00	90.00	359.65	12,148.00	3,683.23	1,163.78	3,676.05	0.00	0.00	0.00
16,700.00	90.00	359.65	12,148.00	3,783.23	1,163.16	3,776.05	0.00	0.00	0.00
16,800.00	90.00	359.65	12,148.00	3,883.23	1,162.55	3,876.05	0.00	0.00	0.00
16,900.00	90.00	359.65	12,148.00	3,983.23	1,161.93	3,976.05	0.00	0.00	0.00
17,000.00	90.00	359.65	12,148.00	4,083.22	1,161.31	4,076.05	0.00	0.00	0.00
17,100.00	90.00	359.65	12,148.00	4,183.22	1,160.69	4,176.05	0.00	0.00	0.00
17,200.00	90.00	359.65	12,148.00	4,283.22	1,160.07	4,276.05	0.00	0.00	0.00
17,300.00	90.00	359.65	12,148.00	4,383.22	1,159.45	4,376.05	0.00	0.00	0.00

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well #105H
Company:	XTO Energy	**TVD Reference:**	GL @ 3527.00usft
Project:	Lea County, NM (NAD-27)	**MD Reference:**	GL @ 3527.00usft
Site:	OUTRIDER 28 FED	**North Reference:**	Grid
Well:	#105H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT v2		

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)
17,400.00	90.00	359.65	12,148.00	4,483.22	1,158.83	4,476.05	0.00	0.00	0.00
17,500.00	90.00	359.65	12,148.00	4,583.21	1,158.21	4,576.05	0.00	0.00	0.00
17,600.00	90.00	359.65	12,148.00	4,683.21	1,157.60	4,676.05	0.00	0.00	0.00
17,700.00	90.00	359.65	12,148.00	4,783.21	1,156.98	4,776.05	0.00	0.00	0.00
17,800.00	90.00	359.65	12,148.00	4,883.21	1,156.36	4,876.05	0.00	0.00	0.00
17,900.00	90.00	359.65	12,148.00	4,983.21	1,155.74	4,976.05	0.00	0.00	0.00
18,000.00	90.00	359.65	12,148.00	5,083.20	1,155.12	5,076.05	0.00	0.00	0.00
18,100.00	90.00	359.65	12,148.00	5,183.20	1,154.50	5,176.05	0.00	0.00	0.00
18,200.00	90.00	359.65	12,148.00	5,283.20	1,153.88	5,276.05	0.00	0.00	0.00
18,300.00	90.00	359.65	12,148.00	5,383.20	1,153.27	5,376.05	0.00	0.00	0.00
18,400.00	90.00	359.65	12,148.00	5,483.20	1,152.65	5,476.05	0.00	0.00	0.00
18,500.00	90.00	359.65	12,148.00	5,583.20	1,152.03	5,576.05	0.00	0.00	0.00
18,600.00	90.00	359.65	12,148.00	5,683.19	1,151.41	5,676.05	0.00	0.00	0.00
18,700.00	90.00	359.65	12,148.00	5,783.19	1,150.79	5,776.05	0.00	0.00	0.00
18,800.00	90.00	359.65	12,148.00	5,883.19	1,150.17	5,876.05	0.00	0.00	0.00
18,900.00	90.00	359.65	12,148.00	5,983.19	1,149.55	5,976.05	0.00	0.00	0.00
19,000.00	90.00	359.65	12,148.00	6,083.19	1,148.93	6,076.05	0.00	0.00	0.00
19,100.00	90.00	359.65	12,148.00	6,183.18	1,148.32	6,176.05	0.00	0.00	0.00
19,200.00	90.00	359.65	12,148.00	6,283.18	1,147.70	6,276.05	0.00	0.00	0.00
19,300.00	90.00	359.65	12,148.00	6,383.18	1,147.08	6,376.05	0.00	0.00	0.00
19,400.00	90.00	359.65	12,148.00	6,483.18	1,146.46	6,476.05	0.00	0.00	0.00
19,500.00	90.00	359.65	12,148.00	6,583.18	1,145.84	6,576.05	0.00	0.00	0.00
19,600.00	90.00	359.65	12,148.00	6,683.17	1,145.22	6,676.05	0.00	0.00	0.00
19,700.00	90.00	359.65	12,148.00	6,783.17	1,144.60	6,776.05	0.00	0.00	0.00
19,800.00	90.00	359.65	12,148.00	6,883.17	1,143.99	6,876.05	0.00	0.00	0.00
19,900.00	90.00	359.65	12,148.00	6,983.17	1,143.37	6,976.05	0.00	0.00	0.00
20,000.00	90.00	359.65	12,148.00	7,083.17	1,142.75	7,076.05	0.00	0.00	0.00
20,100.00	90.00	359.65	12,148.00	7,183.16	1,142.13	7,176.05	0.00	0.00	0.00
20,200.00	90.00	359.65	12,148.00	7,283.16	1,141.51	7,276.05	0.00	0.00	0.00
20,300.00	90.00	359.65	12,148.00	7,383.16	1,140.89	7,376.05	0.00	0.00	0.00
20,400.00	90.00	359.65	12,148.00	7,483.16	1,140.27	7,476.05	0.00	0.00	0.00
20,500.00	90.00	359.65	12,148.00	7,583.16	1,139.65	7,576.05	0.00	0.00	0.00
20,600.00	90.00	359.65	12,148.00	7,683.15	1,139.04	7,676.05	0.00	0.00	0.00
20,700.00	90.00	359.65	12,148.00	7,783.15	1,138.42	7,776.05	0.00	0.00	0.00
20,800.00	90.00	359.65	12,148.00	7,883.15	1,137.80	7,876.05	0.00	0.00	0.00
20,900.00	90.00	359.65	12,148.00	7,983.15	1,137.18	7,976.05	0.00	0.00	0.00
21,000.00	90.00	359.65	12,148.00	8,083.15	1,136.56	8,076.05	0.00	0.00	0.00
21,100.00	90.00	359.65	12,148.00	8,183.15	1,135.94	8,176.05	0.00	0.00	0.00
21,200.00	90.00	359.65	12,148.00	8,283.14	1,135.32	8,276.05	0.00	0.00	0.00
21,300.00	90.00	359.65	12,148.00	8,383.14	1,134.71	8,376.05	0.00	0.00	0.00
21,400.00	90.00	359.65	12,148.00	8,483.14	1,134.09	8,476.05	0.00	0.00	0.00
21,500.00	90.00	359.65	12,148.00	8,583.14	1,133.47	8,576.05	0.00	0.00	0.00
21,600.00	90.00	359.65	12,148.00	8,683.14	1,132.85	8,676.05	0.00	0.00	0.00
21,700.00	90.00	359.65	12,148.00	8,783.13	1,132.23	8,776.05	0.00	0.00	0.00
21,800.00	90.00	359.65	12,148.00	8,883.13	1,131.61	8,876.05	0.00	0.00	0.00
21,900.00	90.00	359.65	12,148.00	8,983.13	1,130.99	8,976.05	0.00	0.00	0.00
22,000.00	90.00	359.65	12,148.00	9,083.13	1,130.37	9,076.05	0.00	0.00	0.00
22,100.00	90.00	359.65	12,148.00	9,183.13	1,129.76	9,176.05	0.00	0.00	0.00
22,200.00	90.00	359.65	12,148.00	9,283.12	1,129.14	9,276.05	0.00	0.00	0.00
22,300.00	90.00	359.65	12,148.00	9,383.12	1,128.52	9,376.05	0.00	0.00	0.00
22,400.00	90.00	359.65	12,148.00	9,483.12	1,127.90	9,476.05	0.00	0.00	0.00
22,500.00	90.00	359.65	12,148.00	9,583.12	1,127.28	9,576.05	0.00	0.00	0.00
22,600.00	90.00	359.65	12,148.00	9,683.12	1,126.66	9,676.05	0.00	0.00	0.00
22,700.00	90.00	359.65	12,148.00	9,783.11	1,126.04	9,776.05	0.00	0.00	0.00

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well #105H
Company:	XTO Energy	**TVD Reference:**	GL @ 3527.00usft
Project:	Lea County, NM (NAD-27)	**MD Reference:**	GL @ 3527.00usft
Site:	OUTRIDER 28 FED	**North Reference:**	Grid
Well:	#105H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT v2		

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)
22,800.00	90.00	359.65	12,148.00	9,883.11	1,125.43	9,876.05	0.00	0.00	0.00
22,900.00	90.00	359.65	12,148.00	9,983.11	1,124.81	9,976.05	0.00	0.00	0.00
23,000.00	90.00	359.65	12,148.00	10,083.11	1,124.19	10,076.05	0.00	0.00	0.00
23,046.59	90.00	359.65	12,148.00	10,129.70	1,123.90	10,122.65	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
105 PLAT SHL: 391 F - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	430,610.70	701,548.40	32.1821882	-103.6818808
105 PLAT FTP/ LP - plan hits target center - Point	0.00	0.00	12,148.00	-328.10	1,188.60	430,282.60	702,737.00	32.1812664	-103.6780456
105 PLAT LTP/ BHL: ! - plan hits target center - Point	0.00	0.00	12,148.00	10,129.70	1,123.90	440,740.40	702,672.30	32.2100142	-103.6780487

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
925.00	925.00	Rustler			
1,239.00	1,239.00	Top Salt			
4,572.62	4,546.00	Base Salt			
4,783.07	4,754.00	Delaware			
5,727.09	5,687.00	Cherry Canyon			
7,322.72	7,264.00	Brushy Canyon			
8,747.34	8,672.00	Bone Spring			
9,927.11	9,838.00	1st Bone Spring SS			
10,472.48	10,377.00	2nd Bone Spring SS			
10,974.33	10,873.00	3rd Bone Spring Lm			
11,785.65	11,675.00	3rd Bone Spring SS			
12,318.61	12,086.00	Wolfcamp			
12,395.51	12,116.00	Wolfcamp X			
12,588.59	12,148.00	LP			

Subject: Request for a Variance Allowing break Testing of the Blowout Preventer Equipment (BOPE)

XTO Energy requests a variance to ONLY test broken pressure seals on the BOPE and function test BOP when skidding a drilling rig between multiple wells on a pad.

Background

Onshore Oil and Gas Order (OOGO) No. 2, Drilling Operations, Sections III.A.2.i.iv.B states that the BOP test must be performed whenever any seal subject to test pressure is broken. The current interpretation of the Bureau of Land Management (BLM) requires a complete BOP test and not just a test of the affected component. OOGO No. 2, Section I.D.2 states, "Some situation may exist either on a well-by-well basis or field-wide basis whereby it is commonly accepted practice to vary a particular minimum standard(s) established in this order. This situation can be resolved by requesting a variance...". XTO Energy feels the break testing the BOPE is such a situation. Therefore, as per OOGO No. 2, Section IV., XTO Energy submits this request for the variance.

Supporting Documentation

OOGO No. 2 became effective on December 19, 1988 and has remained the standard for regulating BLM onshore drilling operations for over 30 years. During this time there have been significant changes in drilling technology. BLM continues to use the variance request process to allow for the use of modern technology and acceptable engineering practices that have arisen since OOGO No. 2 was originally released. The XTO Energy drilling rig fleet has many modern upgrades that allow the intact BOP stack to be moved between well slots on a multi-well pad, as well as, wellhead designs that incorporate quick connects facilitating release of the BOP from the wellhead without breaking any BOP stack components apart. These technologies have been used extensively offshore, and other regulators, API, and many operators around the world have endorsed break testing as safe and reliable.

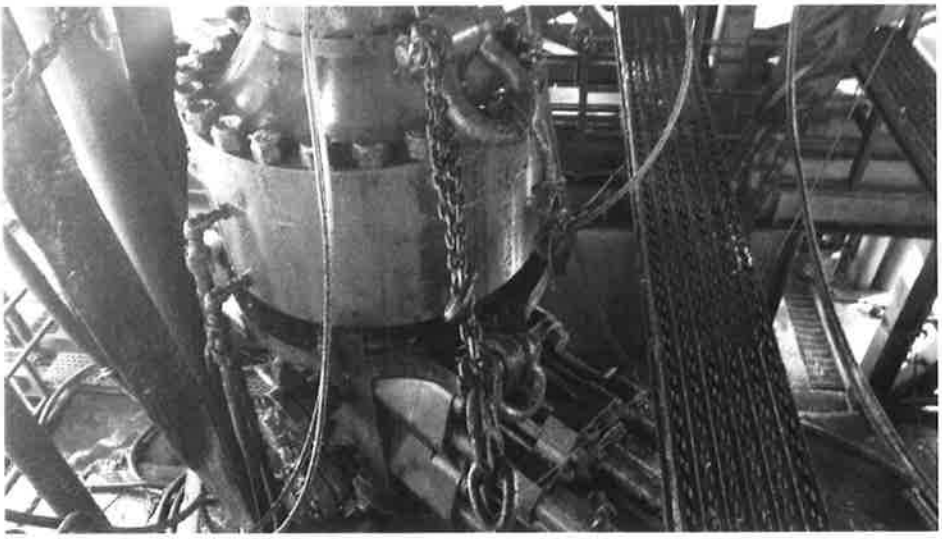


Figure 1: Winch System attached to BOP Stack

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**XTO Energy, Inc.**
LEASE NO.:	**NMNM-016353**
WELL NAME & NO.:	**Outrider 28 Fed 105H**
SURFACE HOLE FOOTAGE:	**0391' FSL & 1793' FWL**
BOTTOM HOLE FOOTAGE	**0050' FNL & 2310' FEL Sec. 21, T.24 S., R.32 E.**
LOCATION:	**Section 28, T.24 S., R.32 E., NMPM**
COUNTY:	**Lea County, New Mexico**

COA

H2S	◉ Yes	○ No	
Potash	◉ None	○ Secretary	○ R-111-P
Cave/Karst Potential	◉ Low	○ Medium	○ High
Cave/Karst Potential	○ Critical		
Variance	○ None	◉ Flex Hose	○ Other
Wellhead	○ Conventional	◉ Multibowl	○ Both
Other	☐ 4 String Area	☐ Capitan Reef	☐ WIPP
Other	☑ Fluid Filled	☐ Cement Squeeze	☐ Pilot Hole
Special Requirements	☐ Water Disposal	☑ COM	☐ 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.

Approval Date: 12/02/2021

B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately **1139** 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

- Shelll 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 2nd 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 intergrity 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).

Approval Date: 12/02/2021

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 09272021

HYDROGEN SULFIDE (H2S) CONTINGENCY PLAN

Assumed 100 ppm ROE = 3000'

100 ppm H2S concentration shall trigger activation of this plan.

Emergency Procedures

In the event of a release of gas containing H_2S, 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_2S 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
  - Detection of H_2S, and
  - Measures for protection against the gas,
  - Equipment used for protection and emergency response.

Ignition of Gas source

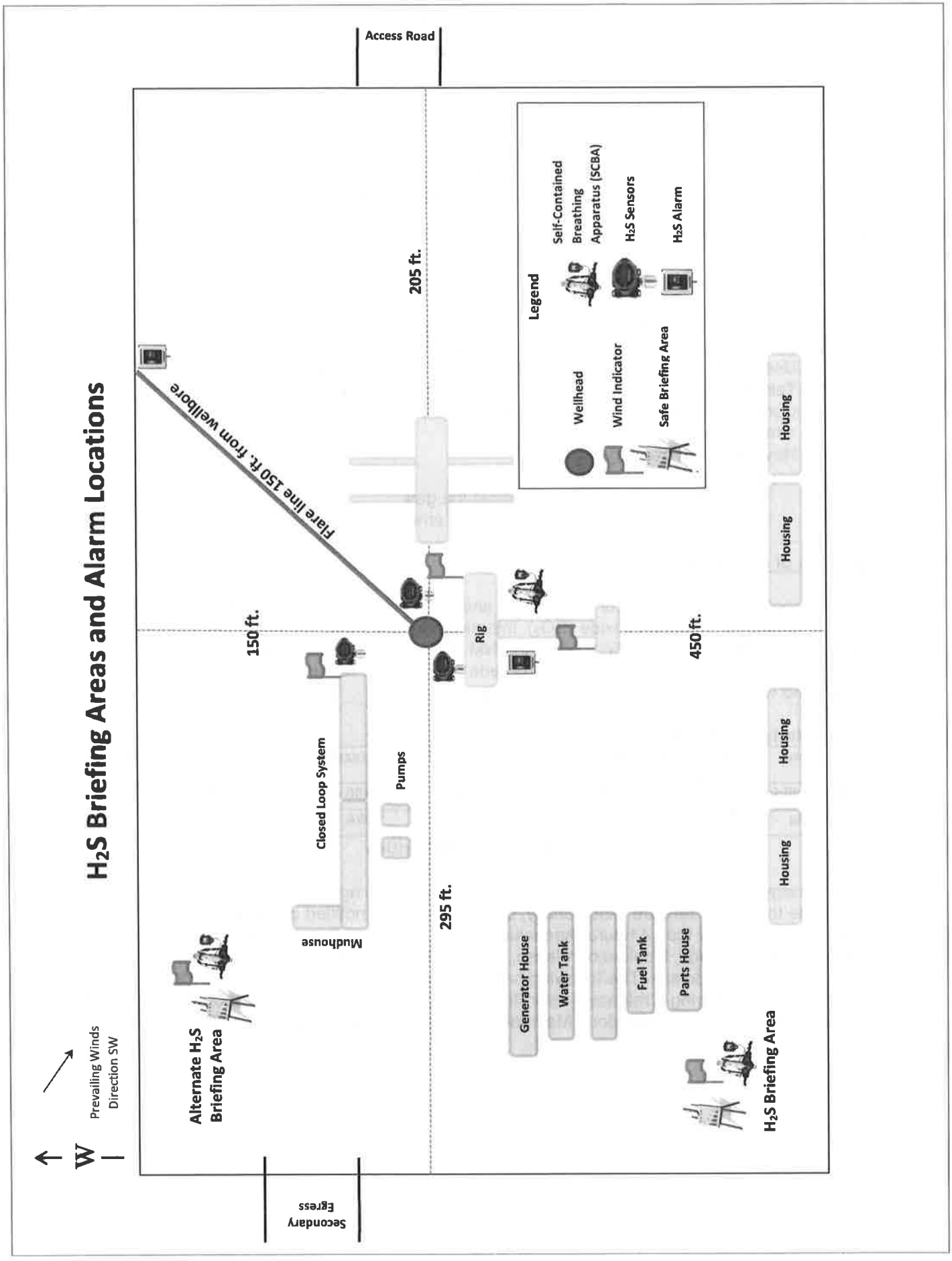
Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO_2). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally, the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever this is an ignition of the gas.

Characteristics of H_2S and SO_2

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H_2S	1.189 Air = I	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO_2	2.21 Air = I	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).


H2S Briefing Areas and Alarm Locations
Access Road
Secondary Egress
Flare line 150 ft. from wellbore
205 ft.
150 ft.
295 ft.
450 ft.
Legend
Self-Contained Breathing Apparatus (SCBA)
H2S Sensors
H2S Alarm
Wellhead
Wind Indicator
Safe Briefing Area
Rig
Closed Loop System
Pumps
Mudhouse
Generator House
Water Tank
Fuel Tank
Parts House
Housing
Housing
Housing
Housing
Alternate H2S Briefing Area
H2S Briefing Area
Prevailing Winds Direction SW
W

Operator Name: XTO ENERGY INCORPORATED

Well Name: OUTRIDER 28 FED **Well Number:** 105H

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

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 109158

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 109158
	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