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.

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.

2. Name of Operator

9. API Well No. **30-025-53773**

3a. Address	3b. Phone No. *(include area code)*	10. Field and Pool, or Exploratory

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface

At proposed prod. zone

11. Sec., T. R. M. or Blk. and Survey or Area

14. Distance in miles and direction from nearest town or post office*	12. County or Parish	13. State

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file

21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration

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

Title

Approved by *(Signature)*	Name *(Printed/Typed)*	Date

Title	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.

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 07/01/2022

C-102 Sumbit electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONVERSION DIVISION	Revised July, 09 2024
		Submittal Type: ☐ Initial Submittal ☒ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-025-53773	53560	Salt Lake; Bone Spring

Property Code	Property Name	Well Number
333143	BIG EDDY UNIT BB HUX	202H

OGRID No.	Operator Name	Ground Level Elevation
373075	XTO PERMIAN OPERATING, LLC.	3,526'

Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal | Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	22	20S	32E		1,290 FSL	520 FWL	32.555005	-103.760966	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
	19	20S	32E	3	1,980 FSL	50 FWL	32.557001	-103.813997	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
479.64	DEFINING		N	U

Order Numbers. | Well Setbacks are under Common Ownership: ☒ Yes ☐ No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	22	20S	32E		1,290 FSL	520 FWL	32.555005	-103.760966	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
I	21	20S	32E		1,980 FSL	100 FEL	32.556902	-103.762976	LEA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
	19	20S	32E	3	1,980 FSL	100 FWL	32.557000	-103.813835	LEA

Unitized Area of Area of Interest	Spacing Unit Type : ☒ Horizontal ☐ Vertical	Ground Elevation
NMNM105467880		3,526'

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is vertical or directional well, 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 at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or a voluntary pooling agreement or a compulsory pooling order of heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or information) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Signature — Date: 10/3/2024

Jena Austin
Printed Name

Jena.N.Austin@ExxonMobil.com
Email Address

SURVEYOR CERTIFICATIONS

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

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

MARK DILLON HARP 23786
Certificate Number

10/2/2024
Date of Survey

DN

618.013004.01-09

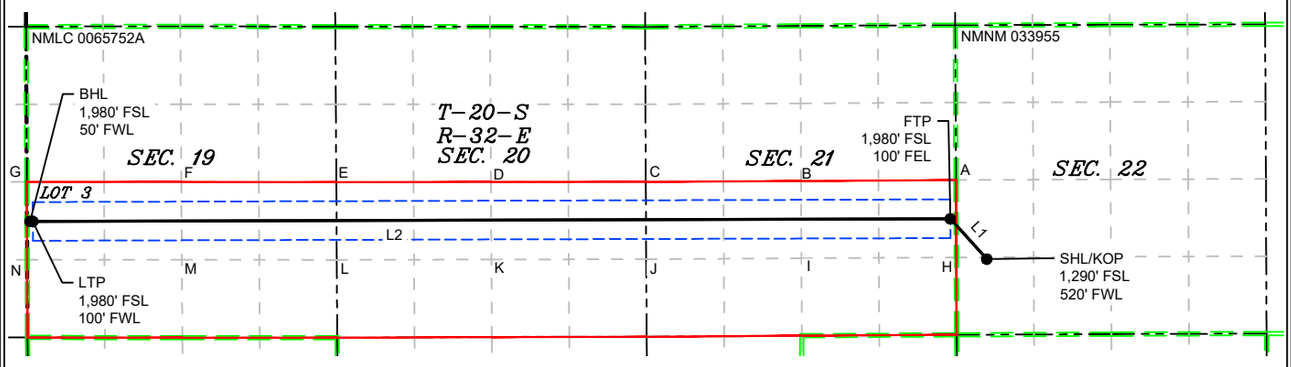
Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

P:\618.013 XTO Energy - NM\004 Big Eddy Unit - Eddy Lea\.01 - BEU DI BLUEBIRD - LEA\Wells\-09 - HUX 202H\DWG\HUX 202H C-102 09-30-2020.dwg

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is a directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other then the First Take Point and Last Take Point) that is closest to any outer boundary of the tract.

Surveyor shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land in not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



LOT ACREAGE TABLE
SECTION 19
T-20-S, R-32-E
LOT 3 = 39.64 ACRES
LOT 4 = 39.68 ACRES

LINE TABLE		
LINE	AZIMUTH	LENGTH
L1	317°47'41"	927.45'
L2	269°50'16"	15,720.07'

LEGEND

- SECTION LINE
- PROPOSED WELL BORE
- NEW MEXICO MINERAL LEASE
- 330' BUFFER
- ALLOCATION AREA

COORDINATE TABLE					
SHL/KOP (NAD 83 NME)			SHL/KOP (NAD 27 NME)		
Y =	566,115.5	N	Y =	566,053.9	N
X =	717,688.7	E	X =	676,508.9	E
LAT. =	32.555005	°N	LAT. =	32.554884	°N
LONG. =	103.760966	°W	LONG. =	103.760467	°W
FTP (NAD 83 NME)			FTP (NAD 27 NME)		
Y =	566,802.5	N	Y =	566,740.8	N
X =	717,065.7	E	X =	675,885.9	E
LAT. =	32.556902	°N	LAT. =	32.556782	°N
LONG. =	103.762976	°W	LONG. =	103.762477	°W
LTP (NAD 83 NME)			LTP (NAD 27 NME)		
Y =	566,757.9	N	Y =	566,696.1	N
X =	701,395.7	E	X =	660,216.1	E
LAT. =	32.557000	°N	LAT. =	32.556880	°N
LONG. =	103.813835	°W	LONG. =	103.813334	°W
BHL (NAD 83 NME)			BHL (NAD 27 NME)		
Y =	566,758.0	N	Y =	566,696.2	N
X =	701,345.7	E	X =	660,166.1	E
LAT. =	32.557001	°N	LAT. =	32.556881	°N
LONG. =	103.813997	°W	LONG. =	103.813496	°W

CORNER COORDINATES (NAD 83 NME)					
A - Y =	564,823.1	N	A - X =	717,174.3	E
B - Y =	564,807.6	N	B - X =	714,528.5	E
C - Y =	564,790.6	N	C - X =	711,880.0	E
D - Y =	564,785.5	N	D - X =	709,235.4	E
E - Y =	564,772.5	N	E - X =	706,593.8	E
F - Y =	564,772.1	N	F - X =	703,949.2	E
G - Y =	564,778.1	N	G - X =	701,304.8	E
H - Y =	566,143.6	N	H - X =	717,168.5	E
I - Y =	566,128.3	N	I - X =	714,522.2	E
J - Y =	566,112.3	N	J - X =	711,871.8	E
K - Y =	566,108.2	N	K - X =	709,227.5	E
L - Y =	566,100.1	N	L - X =	706,585.9	E
M - Y =	566,101.1	N	M - X =	703,940.2	E
N - Y =	566,105.2	N	N - X =	701,298.7	E
CORNER COORDINATES (NAD 27 NME)					
A - Y =	564,761.5	N	A - X =	675,994.5	E
B - Y =	564,746.0	N	B - X =	673,348.7	E
C - Y =	564,728.9	N	C - X =	670,700.2	E
D - Y =	564,723.9	N	D - X =	668,055.7	E
E - Y =	564,710.8	N	E - X =	665,414.1	E
F - Y =	564,710.3	N	F - X =	662,769.6	E
G - Y =	564,716.4	N	G - X =	660,125.2	E
H - Y =	566,081.9	N	H - X =	675,988.8	E
I - Y =	566,066.6	N	I - X =	673,342.5	E
J - Y =	566,050.6	N	J - X =	670,692.2	E
K - Y =	566,046.5	N	K - X =	668,047.9	E
L - Y =	566,038.4	N	L - X =	665,406.3	E
M - Y =	566,039.3	N	M - X =	662,760.7	E
N - Y =	566,043.5	N	N - X =	660,119.1	E

DN 618.013004.01-09

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 **OGRID:** 373075 **Date:** 10/17/2021

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	3 yr Anticipated decline Oil BBL/D	Anticipated Gas MCF/D	3 yr Anticipated decline Gas MCF/D	Anticipated Produced Water BBL/D	3 yr Anticipated decline Water BBL/D
Big Eddy Unit BB Hux 202H	TBD	L-22-20S-32E	1290'FSL & 520'FWL	2,300	200	6,250	1,100	6,750	650

IV. Central Delivery Point Name:_____[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
Big Eddy Unit BB Hux 202H	TBD	TBD	TBD	TBD	TBD	TBD

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

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

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

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

Section 4 - Notices

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

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

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

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

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

Signature:	
Printed Name:	Jena Austin
Title:	Regulatory Analyst
E-mail Address:	Jena.N.Austin@ExxonMobil.com
Date:	10/17/2024
Phone:	

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. utilizes a "stage separation" process in which oil and gas separation is carried out through a series of separators operating at successively reduced pressures. Hydrocarbon liquids are produced into a high-pressure inlet separator, then carried through one or more lower pressure separation vessels before entering the storage tanks. The purpose of this separation process is to attain maximum recovery of liquid hydrocarbons from the fluids and allow maximum capture of produced gas into the sales pipeline. XTO utilizes a series of Low-Pressure Compression units to capture gas off the staged separation and send it to the sales pipeline. This process minimizes the amount of flash gas that enters the end-stage storage tanks that is subsequently vented or flared.

VII. Operational Practices

XTO Permian Operating LLC will employ best management practices and control technologies to maximize the recovery and minimize waste of natural gas through venting and flaring.

- During drilling operations, XTO will utilize flares to capture and control natural gas, where technically feasible. If flaring is deemed technically in-feasible, XTO will employ best management practices to minimize or reduce venting to the extent possible.

- During completions operations, XTO will utilize Green Completion methods to capture gas produced during well completions that is otherwise vented or flared. If capture is technically in-feasible, flares will be used to control flow back fluids entering into frac tanks during initial flowback. Upon indication of first measurable hydrocarbon volumes, XTO Permian Operating LLCwill turn operations to onsite separation vessels and flow to the gathering pipeline.

- During production operations, XTO Permian Operating LLC will take every practical effort to minimize waste of natural gas through venting and flaring by:

    - Designing and constructing facilities in a manner consistent to achieve maximum capture and control of hydrocarbon liquids & produced gas
    - Utilizing a closed-loop capture system to collect, and route produced gas to sales line via low pressure compression, or to a flare/combustor
    - Flaring in lieu of venting, where technically feasible
    - Utilizing auto-ignitors or continuous pilots, with thermocouples connected to Scada, to quickly detect and resolve issues related to malfunctioning flares/combustors
    - Employ the use of automatic tank gauging to minimize storage tank venting during loading events
    - Installing air-driven or electric-driven pneumatics & combustion engines, where technically feasible to minimize venting to the atmosphere
    - Confirm equipment is properly maintained and repaired through a preventative maintenance and repair program to ensure equipment meets all manufacturer specifications

- Conduct and document AVO inspections on the frequency set forth in Part 27 to detect and repair any onsite leaks as quickly and efficiently as is feasible.

VIII. Best Management Practices during Maintenance

XTO Permian Operating LLC. will utilize best management practices to minimize venting during active and planned maintenance activities. XTO is operating under guidance that production facilities permitted under NOI permits have no provisions to allow high pressure flaring and high-pressure flaring is only allowed in disruption scenarios so long as the duration is less than eight hours. When technically feasible, flaring during maintenance activities will be utilized in lieu of venting to the atmosphere. XTO will work with third-party operators during scheduled maintenance of downstream pipeline or processing plants to address those events ahead of time to minimize venting. Actions considered include identifying alternative capture approaches or planning to temporarily reduce production or shut in the well to address these circumstances.

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

Drilling Plan Data Report
10/01/2024

APD ID: 10400065151
Submission Date: 11/30/2020

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT BB HUX
Well Number: 202H

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
8836792	PERMIAN	3526	0	0	OTHER : Alluvium	NONE	N
8836783	RUSTLER	2574	952	952	SILTSTONE	USEABLE WATER	N
8836784	TOP SALT	2299	1227	1227	SALT	POTASH	N
8836785	BASE OF SALT	954	2572	2572	SALT	POTASH	N
8836801	CAPITAN REEF	301	3225	3225	LIMESTONE	USEABLE WATER	N
8836781	DELAWARE	-1193	4719	4719	SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	N
8836782	BRUSHY CANYON	-2671	6197	6197	SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	Y
8836797	BONE SPRING	-4196	7722	7722	SANDSTONE	NATURAL GAS, OIL, OTHER : Produced Water	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 2M
Rating Depth: 1080

Equipment: The blow out preventer equipment (BOP) for this well consists of a 21-1/4 minimum 2M Hydril and a 21-1/4 minimum 2M Double Ram BOP.
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 manufacturers 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. Permanent Wellhead GE RSH Multibowl System A. Starting Head: 13-5/8 5M top flange x 13-3/8 SOW bottom B. Tubing Head: 13-5/8 5M bottom flange x 7-1/16 10M top flange Wellhead will be installed by manufacturers representatives. Manufacturer will monitor welding process to ensure appropriate temperature of seal. Operator will test the 9-5/8" casing per BLM Onshore Order 2 Wellhead Manufacturer representative will not be present for BOP test plug installation. Approval to utilize a spudder rig to pre-set surface casing per the attached Description of Operations. Batch drill this well if necessary. In doing so, XTO will set each casing string and ensure that the well is cemented properly and the well is static. With floats holding, no pressure on the csg annulus, and the installation of a 10K TA cap as per GE recommendations, XTO will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and intermediate strings are all completed, XTO will begin drilling the production hole on each of the wells. ONLY test broken pressure seals on the BOP equipment per the attached procedure. A variance is requested to cement offline

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT BB HUX **Well Number:** 202H

for the surface and intermediate casing strings.

Testing Procedure: All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure. When nippling up, the BOP test will be limited to 2,000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 2M BOP diagram is attached. Blind rams will be function tested each trip, pipe rams will be function tested each day.

Choke Diagram Attachment:

BEU_BB_2MCM_20201112172539.pdf

BOP Diagram Attachment:

BEU_BB_2MBOP_20201112172620.pdf

Pressure Rating (PSI): 3M **Rating Depth:** 8142

Equipment: The blow out preventer equipment (BOP) will consist of a 13-5/8 minimum 5M Hydril and a 13-5/8 minimum 3M 3-Ram BOP. MASP should not exceed 2006 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. Permanent Wellhead – GE RSH Multibowl System A. Starting Head: 13-5/8" 5M top flange x 13-3/8" SOW bottom B. Tubing Head: 13-5/8" 5M bottom flange x 7-1/16" 10M 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 9-5/8" casing per BLM Onshore Order 2 Wellhead Manufacturer representative will not be present for BOP test plug installation. Approval to utilize a spudder rig to pre-set surface casing per the attached Description of Operations. Batch drill this well if necessary. In doing so, XTO will set each casing string and ensure that the well is cemented properly and the well is static. With floats holding, no pressure on the csg annulus, and the installation of a 10K TA cap as per GE recommendations, XTO will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and intermediate strings are all completed, XTO will begin drilling the production hole on each of the wells. ONLY test broken pressure seals on the BOP equipment per the attached procedure. A variance is requested to cement offline for the surface and intermediate casing strings.

Testing Procedure: All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure. When nippling up, the BOP test will be limited to 3,000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 3M BOP diagram is attached. Blind rams will be function tested each trip, pipe rams will be function tested each day.

Choke Diagram Attachment:

BEU_BB_3MCM_20201112172315.pdf

BOP Diagram Attachment:

BEU_BB_3MBOP_20201112172340.pdf

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT BB HUX **Well Number:** 202H

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	24	18.625	NEW	API	N	0	1180	0	1180	3526	2346	1180	H-40	87.5	ST&C	1.27	2	DRY	5.92	DRY	5.92
2	INTERMEDIATE	17.5	13.375	NEW	API	N	0	2620	0	2620		906	2620	J-55	54.5	ST&C	1.37	2.44	DRY	3.6	DRY	3.6
3	INTERMEDIATE	12.25	9.625	NEW	API	N	0	4820	0	4820		-1294	4820	J-55	36	LT&C	1.77	1.64	DRY	2.61	DRY	2.61
4	PRODUCTION	8.75	5.5	NEW	API	N	0	24231	0	8142	3526	-4616	24231	P-110	17	BUTT	1.9	1.12	DRY	2.29	DRY	2.29

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Hux_202H_csg_20201112173359.pdf

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT BB HUX **Well Number:** 202H

Casing Attachments

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Hux_202H_csg_20201112173450.pdf

Casing ID: 3 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Hux_202H_csg_20201112173701.pdf

Casing ID: 4 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Hux_202H_csg_20201112174131.pdf

Section 4 - Cement

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT BB HUX **Well Number:** 202H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	1080	1510	1.87	12.9	2992	100	EconoCem-HLTRRC	None
SURFACE	Tail				590	1.35	14.8	837	100	HalCem-C	2% CaCl
INTERMEDIATE	Lead		0	2620	1510	1.87	12.9	2992	100	EconoCem-HLTRRC	none
INTERMEDIATE	Tail				590	1.35	14.8	837	100	Halcem-C	2% CaCl
INTERMEDIATE	Lead	3150	2120	3150	220	1.88	12.9	188	100	Halcem-C	2% CaCl
INTERMEDIATE	Tail				470	1.33	14.8	305.9	100	Halcem-C	2% CaCl
INTERMEDIATE	Lead		3150	4820	170	1.88	12.9	470	100	Halcem-C	2% CaCl
INTERMEDIATE	Tail				230	1.33	14.8	625.1	100	Halcem-C	2% CaCl
PRODUCTION	Lead		2570	24231	570	2.69	10.5	1318.1	30	NeoCem	none
PRODUCTION	Tail				3190	1.61	13.2	5135.9	30	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: The necessary mud products for weight addition and fluid loss control will be on location at all times.

Describe the mud monitoring system utilized: A Pason or Totco will be used to detect changes in loss or gain of mud volume.

Circulating Medium Table

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT BB HUX **Well Number:** 202H

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	1160	OTHER : FW/Native	8.3	9.5							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
4850	7610	OTHER : FW / OBM / Cut Brine / Polymer	9	9.3							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
1160	2770	OTHER : Brine/Gel Sweeps	9.8	10.2							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
2770	4850	OTHER : FW/Cut Brine / Poly-Sweeps	8.3	9							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

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT BB HUX **Well Number:** 202H

Section 6 - Test, Logging, Coring

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

Open hole logging to include Density/Neutron/PE/Dual Laterlog/Spectral Gamma from kick-off point to intermediate casing shoe.

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

CEMENT BOND LOG,COMPENSATED NEUTRON LOG,DIRECTIONAL SURVEY,GAMMA RAY LOG,

Coring operation description for the well:

No coring will take place on this well.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 3937 **Anticipated Surface Pressure:** 2145

Anticipated Bottom Hole Temperature(F): 140

Anticipated abnormal pressures, temperatures, or potential geologic hazards? YES

Describe:

Potential loss of circulation through the Capitan Reef.

Contingency Plans geoharzards description:

The necessary mud products for weight addition and fluid loss control will be on location at all times.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. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid.

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

BEU_BB_H2S_Dia_20201112180503.pdf

BEU_BB_H2S_Plan_20201112180546.pdf

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT BB HUX **Well Number:** 202H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Big_Eddy_Unit_BB_HUX__20201112180717

Other proposed operations facets description:

The surface fresh water sands will be protected by setting 18-5/8 inch casing @ 1160' (200' above the salt) and circulating cement back to surface. The salt will be isolated by setting 13-3/8 inch casing at 2770' and circulating cement to surface. The Capitan Reef zone will be isolated by setting 9-5/8 inch casing at 4850'. An 8-3/4 inch curve and 8-1/2 inch lateral hole will be drilled to MD/TD and 5-1/2 inch casing will be set at TD and cemented back up to the 13-3/8 inch casing shoe.

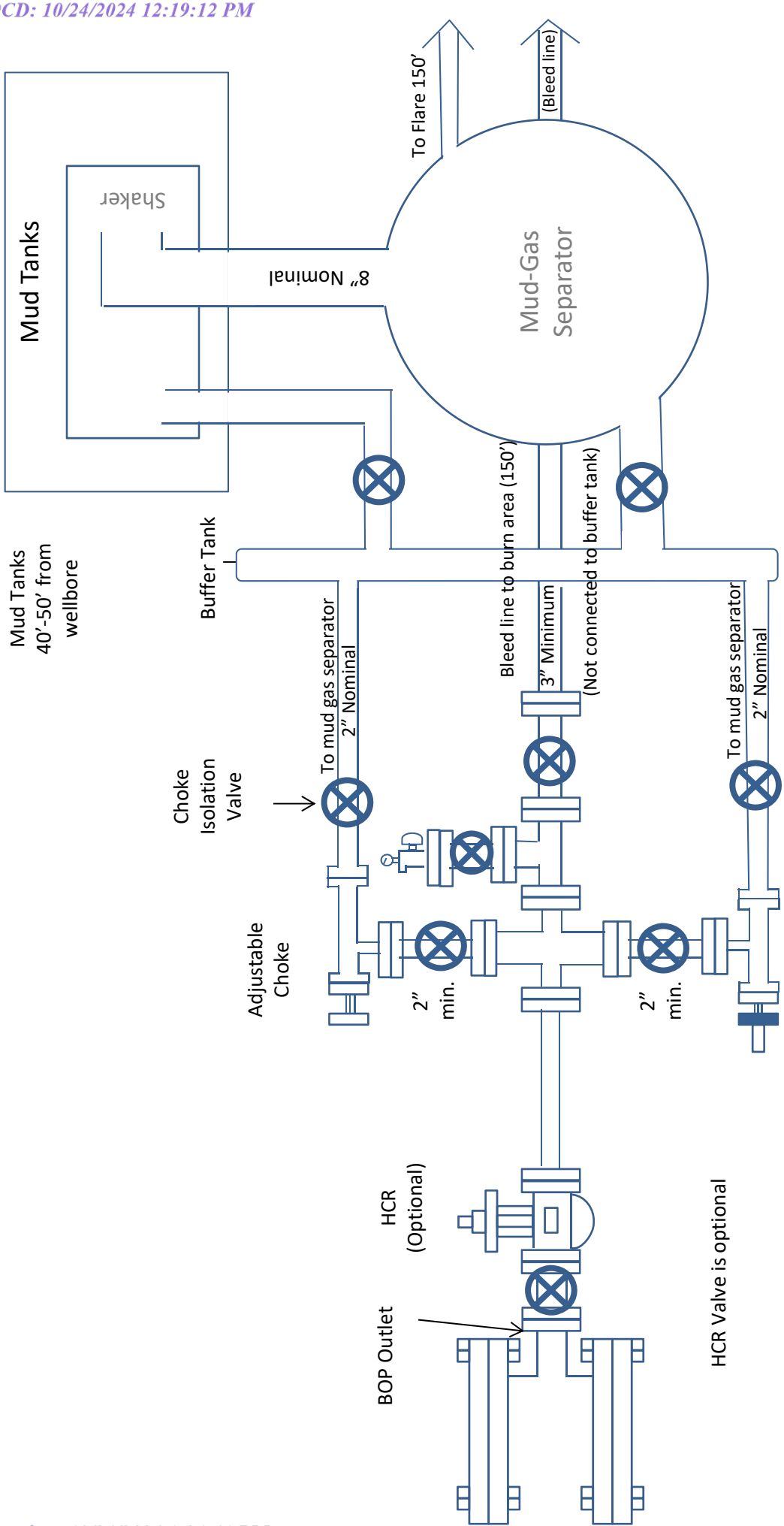
XTO requests to utilize centralizers only in the curve after the KOP and only a minimum of one every other joint.
13-3/8" & 9-5/8" Collapse analyzed using 50% evacuation based on regional experience.
5-1/2 tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35

Other proposed operations facets attachment:

Hux_GCP_20201112180753.pdf

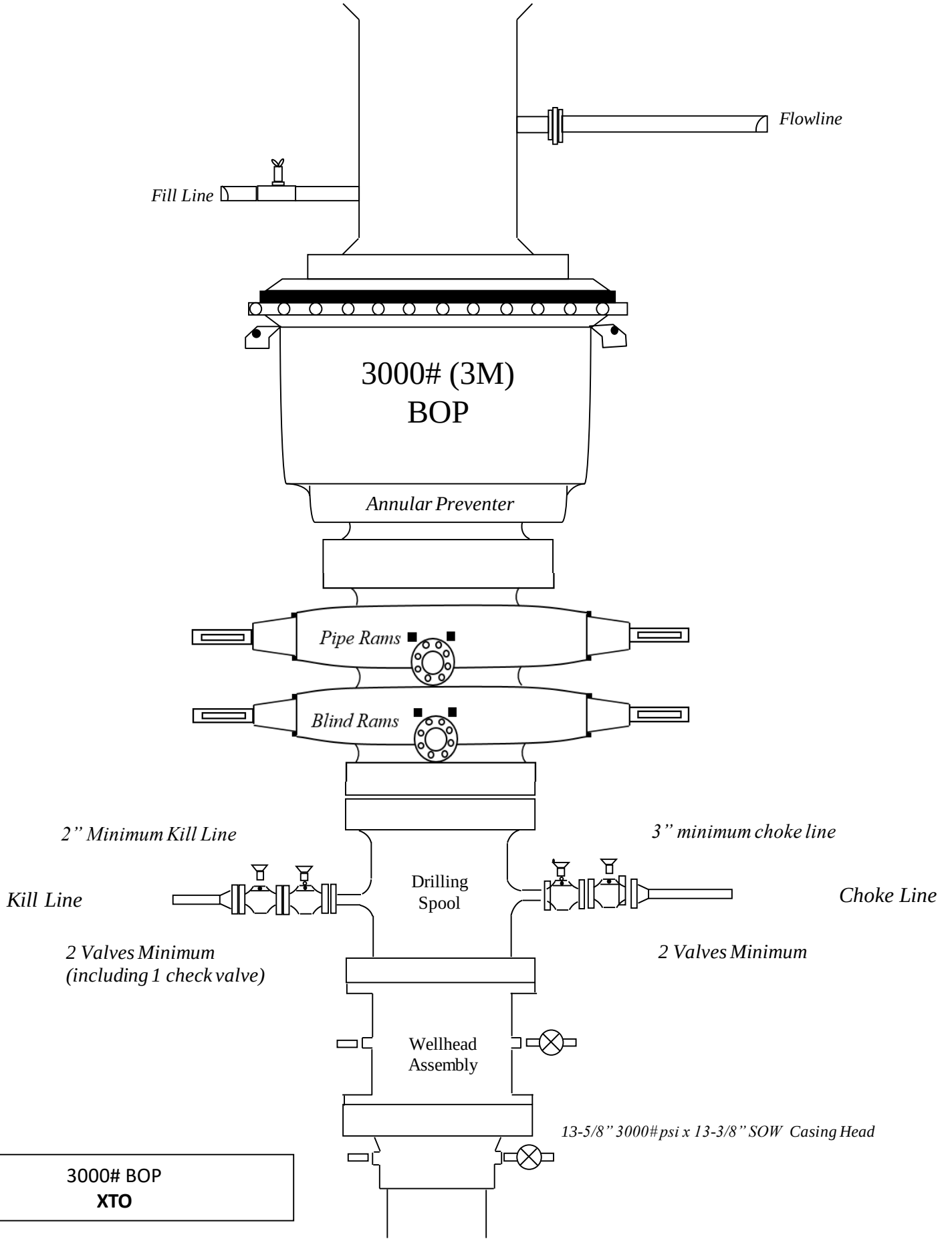
Other Variance attachment:

BEU_BB_FH_20201112181007.pdf
BEU_BB_MBS_20201112181124.pdf
BEU_BB_BOP_BTV_20201112181215.pdf
BEU_BB_OCV_20201112181246.pdf
BEU_BB_Spudder_20201112181304.pdf

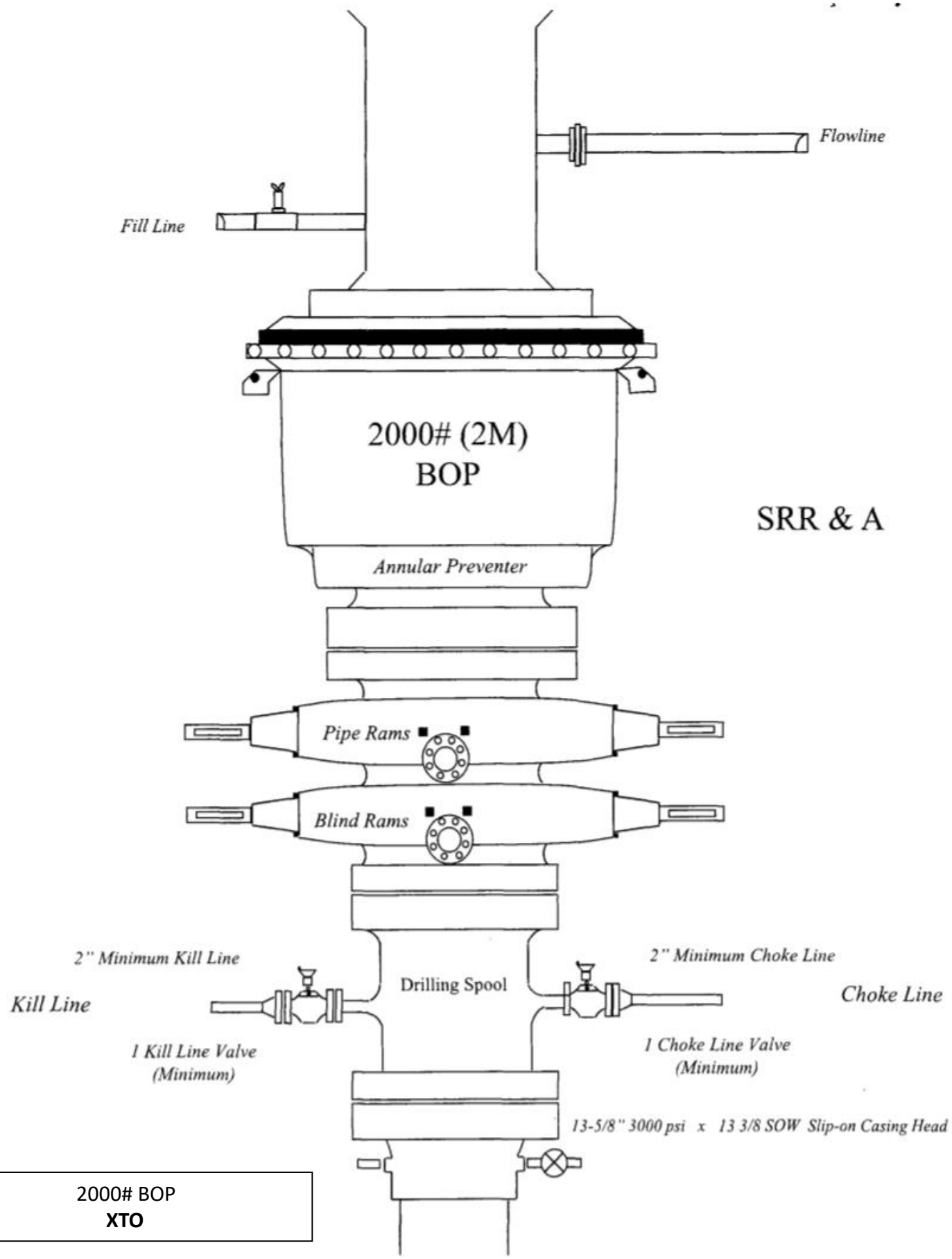


2M & 3M Choke Manifold Diagram
XTO

Drilling Operations
Choke Manifold
2M & 3M Service


Flowline
Fill Line
3000# (3M)
BOP
Annular Preventer
Pipe Rams
Blind Rams
2" Minimum Kill Line
3" minimum choke line
Kill Line
Drilling
Spool
Choke Line
2 Valves Minimum
(including 1 check valve)
2 Valves Minimum
Wellhead
Assembly
13-5/8" 3000# psi x 13-3/8" SOW Casing Head

3000# BOP
XTO


Flowline
Fill Line
2000# (2M)
BOP
SRR & A
Annular Preventer
Pipe Rams
Blind Rams
2" Minimum Kill Line
2" Minimum Choke Line
Drilling Spool
Kill Line
Choke Line
1 Kill Line Valve
(Minimum)
1 Choke Line Valve
(Minimum)
13-5/8" 3000 psi x 13 3/8 SOW Slip-on Casing Head

2000# BOP
XTO

Casing Design

Hole Size	Depth	OD Csg	Weight	Collar	Grade	New/Used	SF Burst
24"	0' – 1080'	18-5/8"	87.5#	STC	H-40	New	2.00
17-1/2"	0' – 2620'	13-3/8"	54.5#	STC	J-55	New	2.44
12-1/4"	0' – 4820'	9-5/8"	36#	LTC	J-55	New	1.64
8-3/4" x 8-1/2"	0' – 24231'	5-1/2"	17#	BTC	P-110	New	1.12

- XTO requests to utilize centralizers only in the curve after the KOP and only a minimum of one every other joint.
- 13-3/8" & 9-5/8" 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

WELLHEAD:

Temporary Wellhead

- 18-5/8" SOW bottom x 21-1/4" 2M top flange.

Permanent Wellhead – GE RSH Multibowl System

A. Starting Head: 13-5/8" 5M top flange x 13-3/8" SOW bottom

B. Tubing Head: 13-5/8" 5M bottom flange x 7-1/16" 10M 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 9-5/8" casing per BLM Onshore Order 2
- Wellhead manufacturer representative will not be present for BOP test plug installation

SF Collapse	SF Tension
1.27	5.92
1.37	3.60
1.77	2.61
1.90	2.29

XTO respectfully requests approval to utilize a spudder rig to pre-set surface casing.

Description of Operations:

1. Spudder rig will move in to drill the surface hole and pre-set surface casing on the well.
    a. After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
    b. The spudder rig will utilize fresh water-based mud to drill the surface hole to TD. Solids control will be handled entirely on a closed loop basis. No earth pits will be used.
2. The wellhead will be installed and tested as soon as the surface casing is cut off and WOC time has been reached.
3. A blind flange at the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with needle valves installed on two wing valves.
    a. A means for intervention will be maintained while the drilling rig is not over the well.
4. Spudder rig operations are expected to take 2-3 days per well on the pad.
5. The BLM will be contacted and notified 24 hours prior to commencing spudder rig operations.
6. Drilling Operations will begin with a larger rig and a BOP stack equal to or greater than the pressure rating that was permitted will be nippled up and tested on the wellhead before drilling operations resume on each well.
    a. The larger rig will move back onto the location within 180 days from the point at which the wells are secured and the spudder rig is moved off location.
    b. The BLM will be notified 24 hours before the larger rig moves back on the pre-set locations
7. XTO will have supervision on the rig to ensure compliance with all BLM and NMOCD regulations and to oversee operations.
8. Once the rig is removed, XTO will secure the wellhead area by placing a guard rail around the cellar area.

XTO Permian Operating, LLC Offline Cementing Variance Request

XTO requests the option to cement the surface and intermediate casing strings offline as a prudent batch drilling efficiency of acreage development.

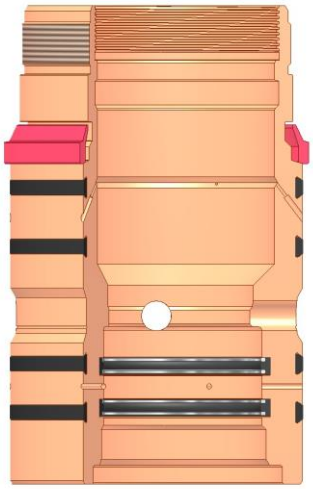
1. Cement Program

No changes to the cement program will take place for offline cementing.

2. Offline Cementing Procedure

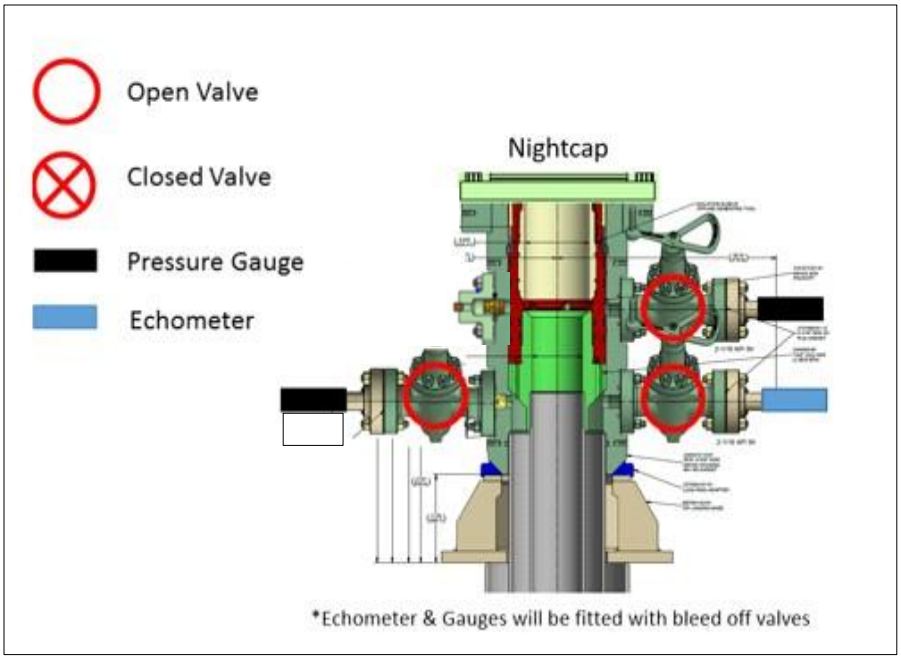
The operational sequence will be as follows. If a well control event occurs, the BLM will be contacted for approval prior to conducting offline cementing operations.

1. Run casing as per normal operations. While running casing, conduct negative pressure test and confirm integrity of the float equipment (float collar and shoe)
2. Land casing with mandrel
3. Fill pipe with kill weight fluid, do not circulate through floats and confirm well is static
4. Set annular packoff shown below and pressure test to confirm integrity of the seal. Pressure ratings of wellhead components and valves is 5,000 psi.
5. After confirmation of both annular barriers and internal barriers, nipple down BOP and install cap flange.
    a. If any barrier fails to test, the BOP stack will not be nippled down until after the cement job is completed with cement 500ft above the highest formation capable of flow with kill weight mud above or after it has achieved 50-psi compressive strength if kill weight fluid cannot be verified.



Annular packoff with both external and internal seals

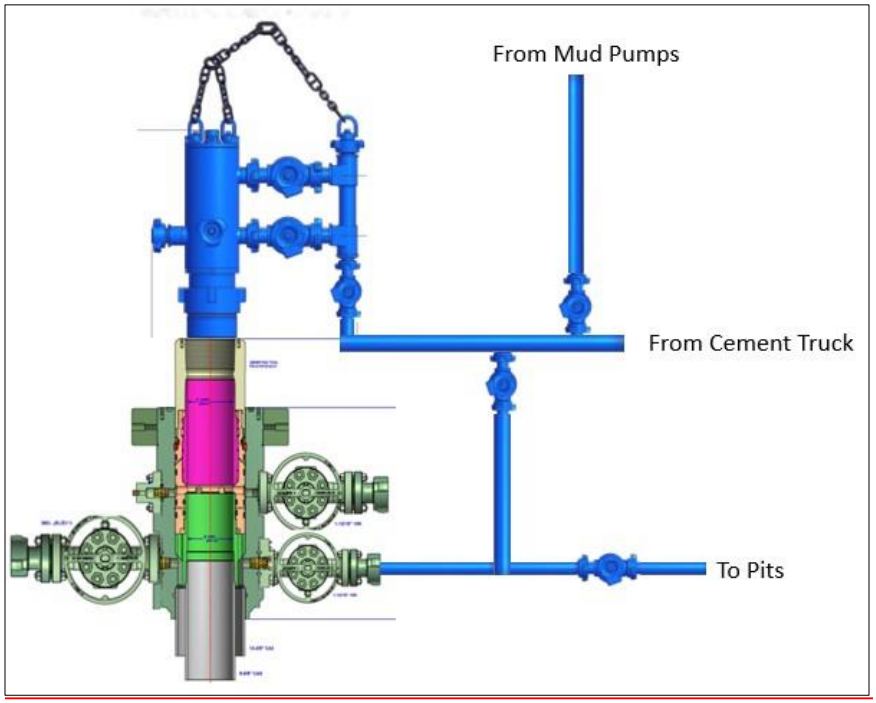
XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during skidding operations

6. Skid rig to next well on pad.
7. Confirm well is static before removing cap flange, flange will not be removed and offline cementing operations will not commence until well is under control. If well is not static, casing outlet valves will provide access to both the casing ID and annulus. Rig or third party pump truck will kill well prior to cementing or nippling up for further remediation.
    a. Well Control Plan
        i. The Drillers Method will be the primary well control method to regain control of the wellbore prior to cementing, if wellbore conditions do not permit the drillers method other methods of well control may be used
        ii. Rig pumps or a 3rd party pump will be tied into the upper casing valve to pump down the casing ID
        iii. A high pressure return line will be rigged up to lower casing valve and run to choke manifold to control annular pressure
        iv. Once influx is circulated out of the hole, kill weight mud will be circulated
        v. Well will be confirmed static
        vi. Once confirmed static, cap flange will be removed to allow for offline cementing operations to commence
8. Install offline cement tool
9. Rig up cement equipment

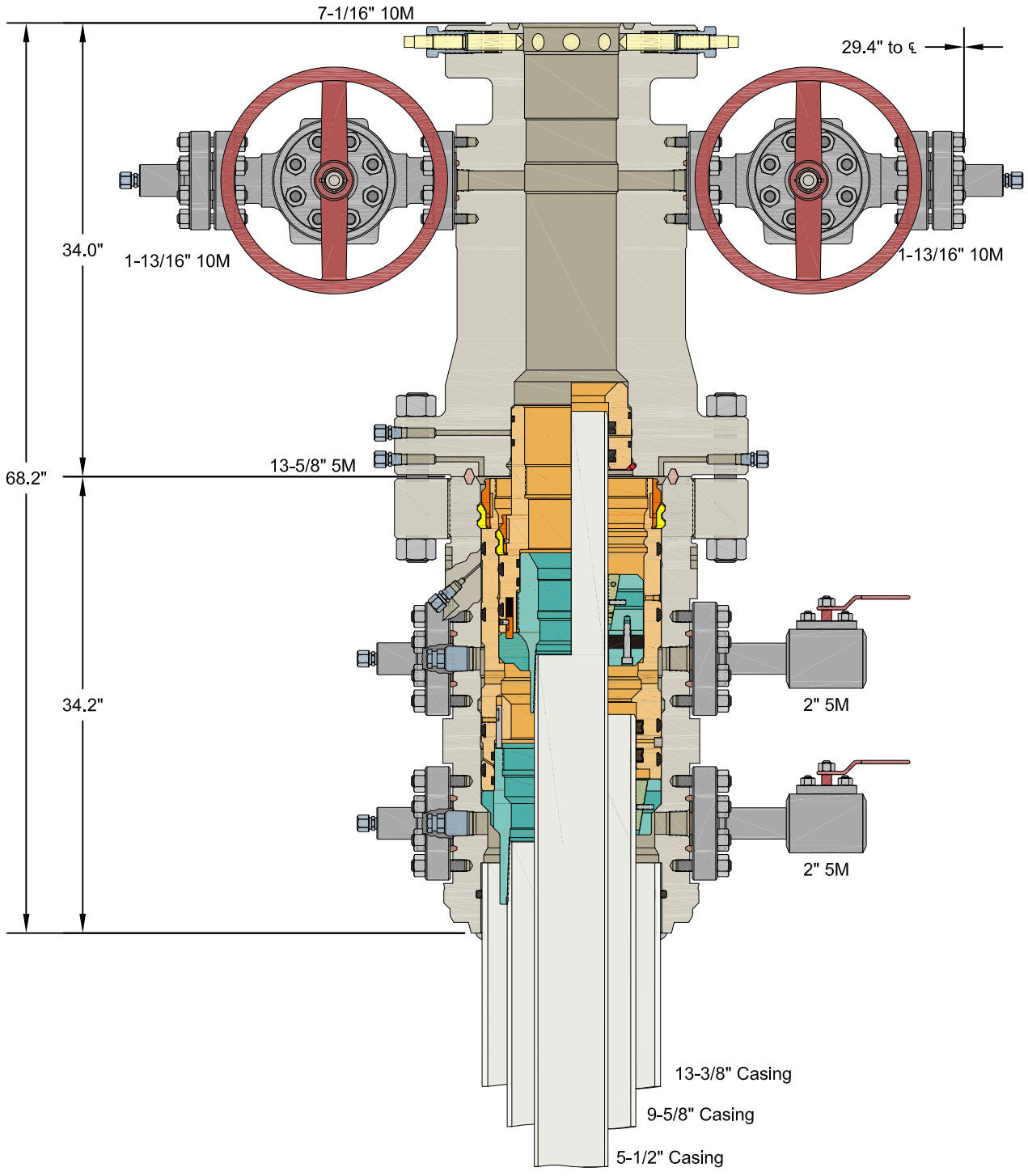
XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during offline cementing operations

10. Circulate bottoms up with cement truck
    a. If gas is present on bottoms up, well will be shut in and returns rerouted through gas buster to handle entrained gas
    b. Max anticipated time before circulating with cement truck is 6 hrs
11. Perform cement job taking returns from the annulus wellhead valve
12. Confirm well is static and floats are holding after cement job
13. Remove cement equipment, offline cement tools and install night cap with pressure gauge for monitoring.

GE Oil & Gas



ALL DIMENSIONS ARE APPROXIMATE

XTO ENERGY, INC.

13-3/8" x 9-5/8" x 5-1/2" 10M RSH-2 Wellhead Assembly, With T-EBS-F Tubing Head

DRAWN	VJK	16FEB17
APPRV	KN	16FEB17

FOR REFERENCE ONLY
DRAWING NO. 10012842

XTO Energy

Lea County, NM (NAD-27)
Big Eddy Unit BB HUX
#202H

Wellbore #1

Plan: PERMIT

Standard Planning Report

29 October, 2020

Project: Lea County, NM (NAD-27)
Site: Big Eddy Unit BB HUX
Well: #202H
Wellbore: Wellbore #1
Design: PERMIT

PROJECT DETAILS: Lea County, NM (NAD-27)

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

WELL DETAILS: #202H

Rig Name:
RKB = 25' @ 3551.00usft
Ground Level: 3526.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	566053.70	676508.90	32.5548840	-103.7604674

FORMATION TOP DETAILS

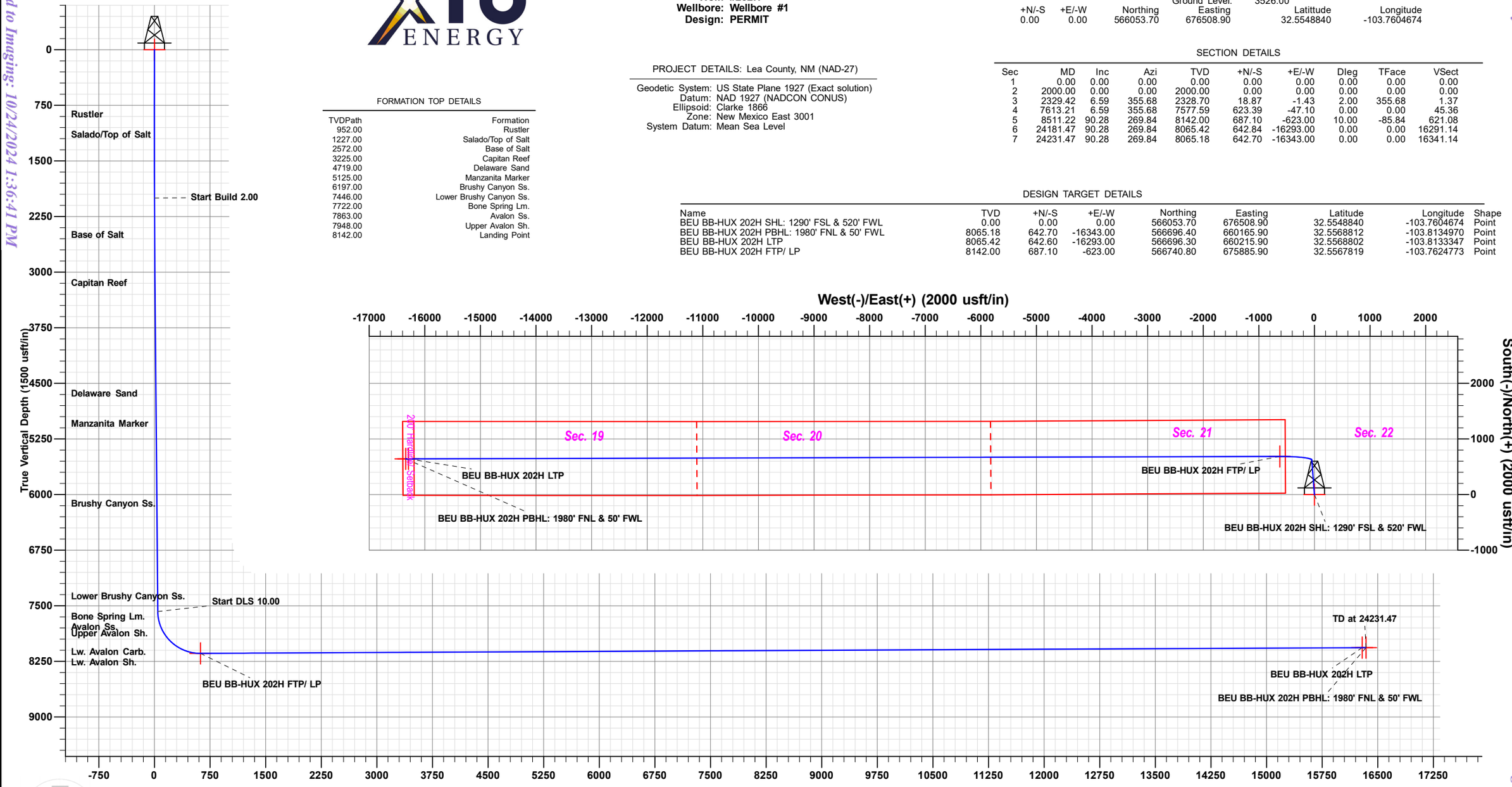
TVDPath	Formation
952.00	Rustler
1227.00	Salado/Top of Salt
2572.00	Base of Salt
3225.00	Capitan Reef
4719.00	Delaware Sand
5125.00	Manzanita Marker
6197.00	Brushy Canyon Ss.
7446.00	Lower Brushy Canyon Ss.
7722.00	Bone Spring Lm.
7863.00	Avalon Ss.
7948.00	Upper Avalon Sh.
8142.00	Landing Point

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	2329.42	6.59	355.68	2328.70	18.87	-1.43	2.00	355.68	1.37
4	7613.21	6.59	355.68	7577.59	623.39	-47.10	0.00	0.00	45.36
5	8511.22	90.28	269.84	8142.00	687.10	-623.00	10.00	-85.84	621.08
6	24181.47	90.28	269.84	8065.42	642.84	-16293.00	0.00	0.00	16291.14
7	24231.47	90.28	269.84	8065.18	642.70	-16343.00	0.00	0.00	16341.14

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
BEU BB-HUX 202H SHL: 1290' FSL & 520' FWL	0.00	0.00	0.00	566053.70	676508.90	32.5548840	-103.7604674	Point
BEU BB-HUX 202H PBHL: 1980' FNL & 50' FWL	8065.18	642.70	-16343.00	566696.40	660165.90	32.5568812	-103.8134970	Point
BEU BB-HUX 202H LTP	8065.42	642.60	-16293.00	566696.30	660215.90	32.5568802	-103.8133347	Point
BEU BB-HUX 202H FTP/ LP	8142.00	687.10	-623.00	566740.80	675885.90	32.5567819	-103.7624773	Point



Plan: PERMIT (#202H/Wellbore #1)
Created By: Matthew May Date: 13:00, October 29 2020

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
	BIG EDDY UNIT BB HUX	202H

[7] OGRID No.	[8] Operator Name	[9] Elevation
373075	XTO PERMIAN OPERATING, LLC.	3,526'

[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
M	22	20 S	32 E		1,290	SOUTH	520	WEST	LEA

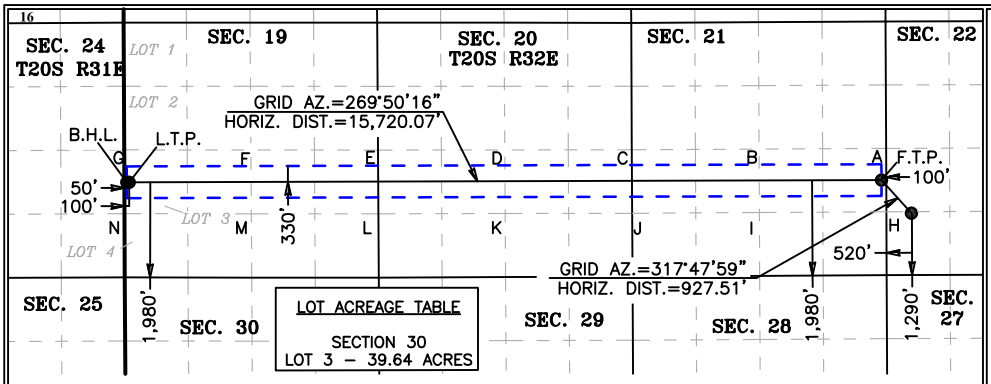
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	19	20 S	32 E		1,980	SOUTH	50	WEST	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



GEODETIC COORDINATES
NAD 27 NME
SURFACE LOCATION
Y= 566,053.7
X= 676,508.9
LAT.= 32.554884°N
LONG.= 103.760467°W

LAST TAKE POINT
NAD 27 NME
Y= 566,696.3
X= 660,215.9
LAT.= 32.556880°N
LONG.= 103.813335°W

GEODETIC COORDINATES
NAD 83 NME
SURFACE LOCATION
Y= 566,115.3
X= 717,688.8
LAT.= 32.555055°N
LONG.= 103.760966°W

LAST TAKE POINT
NAD 83 NME
Y= 566,757.9
X= 701,395.7
LAT.= 32.557000°N
LONG.= 103.813835°W

FIRST TAKE POINT
NAD 27 NME
Y= 566,740.8
X= 675,885.9
LAT.= 32.556782°N
LONG.= 103.762477°W

BOTTOM HOLE LOCATION
NAD 27 NME
Y= 566,696.4
X= 660,165.9
LAT.= 32.556881°N
LONG.= 103.813497°W

FIRST TAKE POINT
NAD 83 NME
Y= 566,802.5
X= 717,065.7
LAT.= 32.556902°N
LONG.= 103.762976°W

BOTTOM HOLE LOCATION
NAD 83 NME
Y= 566,758.0
X= 701,345.7
LAT.= 32.557001°N
LONG.= 103.813997°W

CORNER COORDINATES TABLE
NAD 27 NME

A –	Y= 567,402.4 N,	X= 675,983.0 E
B –	Y= 567,387.4 N,	X= 673,336.2 E
C –	Y= 567,372.4 N,	X= 670,683.9 E
D –	Y= 567,369.3 N,	X= 668,039.9 E
E –	Y= 567,366.1 N,	X= 665,398.3 E
F –	Y= 567,368.5 N,	X= 662,751.5 E
G –	Y= 567,370.8 N,	X= 660,112.7 E
H –	Y= 566,082.0 N,	X= 675,988.6 E
I –	Y= 566,066.7 N,	X= 673,342.3 E
J –	Y= 566,050.7 N,	X= 670,691.9 E
K –	Y= 566,046.6 N,	X= 668,047.6 E
L –	Y= 566,038.5 N,	X= 665,406.0 E
M –	Y= 566,039.5 N,	X= 662,760.4 E
N –	Y= 566,043.6 N,	X= 660,118.9 E

CORNER COORDINATES TABLE
NAD 83 NME

A –	Y= 567,464.0 N,	X= 717,162.8 E
B –	Y= 567,449.0 N,	X= 714,516.0 E
C –	Y= 567,434.0 N,	X= 711,863.7 E
D –	Y= 567,430.9 N,	X= 709,219.7 E
E –	Y= 567,427.7 N,	X= 706,578.1 E
F –	Y= 567,430.1 N,	X= 703,931.3 E
G –	Y= 567,432.4 N,	X= 701,292.5 E
H –	Y= 566,143.6 N,	X= 717,168.5 E
I –	Y= 566,128.3 N,	X= 714,522.2 E
J –	Y= 566,112.3 N,	X= 711,871.8 E
K –	Y= 566,108.2 N,	X= 709,227.5 E
L –	Y= 566,100.1 N,	X= 706,585.9 E
M –	Y= 566,101.1 N,	X= 703,940.2 E
N –	Y= 566,105.2 N,	X= 701,298.7 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.

9-30-2020
Date of Survey

Signatue and Seal of Professional Surveyor:

MARK DILLON HARP 23786
Certificate Number LB/LM 2019061793

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well #202H
Company:	XTO Energy	**TVD Reference:**	RKB = 25' @ 3551.00usft
Project:	Lea County, NM (NAD-27)	**MD Reference:**	RKB = 25' @ 3551.00usft
Site:	Big Eddy Unit BB HUX	**North Reference:**	Grid
Well:	#202H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

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 Big Eddy Unit BB HUX

Site Position:		**Northing:**	566,113.70 usft	**Latitude:**	32.5550490
From:	Map	**Easting:**	676,508.60 usft	**Longitude:**	-103.7604673
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.31 °

Well #202H

Well Position	**+N/-S**	-60.00 usft	**Northing:**	566,053.70 usft	**Latitude:**	32.5548841
	+E/-W	0.30 usft	**Easting:**	676,508.90 usft	**Longitude:**	-103.7604674
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	0.00 usft	**Ground Level:**	3,526.00 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/03/20	6.71	60.29	47,774

Design PERMIT

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	269.84

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	
2,329.42	6.59	355.68	2,328.70	18.87	-1.43	2.00	2.00	0.00	355.68	
7,613.21	6.59	355.68	7,577.59	623.39	-47.10	0.00	0.00	0.00	0.00	
8,511.22	90.28	269.84	8,142.00	687.10	-623.00	10.00	9.32	-9.56	-85.84	BEU BB-HUX 202H
24,181.47	90.28	269.84	8,065.42	642.84	-16,293.00	0.00	0.00	0.00	0.00	BEU BB-HUX 202H
24,231.47	90.28	269.84	8,065.18	642.70	-16,343.00	0.00	0.00	0.00	0.00	BEU BB-HUX 202H

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well #202H
Company:	XTO Energy	**TVD Reference:**	RKB = 25' @ 3551.00usft
Project:	Lea County, NM (NAD-27)	**MD Reference:**	RKB = 25' @ 3551.00usft
Site:	Big Eddy Unit BB HUX	**North Reference:**	Grid
Well:	#202H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
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
1,300.00	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	355.68	2,099.98	1.74	-0.13	0.13	2.00	2.00	0.00
2,200.00	4.00	355.68	2,199.84	6.96	-0.53	0.51	2.00	2.00	0.00
2,300.00	6.00	355.68	2,299.45	15.65	-1.18	1.14	2.00	2.00	0.00
2,329.42	6.59	355.68	2,328.70	18.87	-1.43	1.37	2.00	2.00	0.00
2,400.00	6.59	355.68	2,398.81	26.94	-2.04	1.96	0.00	0.00	0.00
2,500.00	6.59	355.68	2,498.15	38.38	-2.90	2.79	0.00	0.00	0.00
2,600.00	6.59	355.68	2,597.49	49.82	-3.76	3.63	0.00	0.00	0.00
2,700.00	6.59	355.68	2,696.83	61.26	-4.63	4.46	0.00	0.00	0.00
2,800.00	6.59	355.68	2,796.17	72.70	-5.49	5.29	0.00	0.00	0.00
2,900.00	6.59	355.68	2,895.51	84.15	-6.36	6.12	0.00	0.00	0.00
3,000.00	6.59	355.68	2,994.85	95.59	-7.22	6.95	0.00	0.00	0.00
3,100.00	6.59	355.68	3,094.19	107.03	-8.09	7.79	0.00	0.00	0.00
3,200.00	6.59	355.68	3,193.53	118.47	-8.95	8.62	0.00	0.00	0.00
3,300.00	6.59	355.68	3,292.86	129.91	-9.82	9.45	0.00	0.00	0.00
3,400.00	6.59	355.68	3,392.20	141.35	-10.68	10.28	0.00	0.00	0.00
3,500.00	6.59	355.68	3,491.54	152.79	-11.54	11.12	0.00	0.00	0.00
3,600.00	6.59	355.68	3,590.88	164.23	-12.41	11.95	0.00	0.00	0.00
3,700.00	6.59	355.68	3,690.22	175.67	-13.27	12.78	0.00	0.00	0.00
3,800.00	6.59	355.68	3,789.56	187.12	-14.14	13.61	0.00	0.00	0.00
3,900.00	6.59	355.68	3,888.90	198.56	-15.00	14.45	0.00	0.00	0.00
4,000.00	6.59	355.68	3,988.24	210.00	-15.87	15.28	0.00	0.00	0.00
4,100.00	6.59	355.68	4,087.58	221.44	-16.73	16.11	0.00	0.00	0.00
4,200.00	6.59	355.68	4,186.92	232.88	-17.59	16.94	0.00	0.00	0.00
4,300.00	6.59	355.68	4,286.26	244.32	-18.46	17.78	0.00	0.00	0.00
4,400.00	6.59	355.68	4,385.60	255.76	-19.32	18.61	0.00	0.00	0.00
4,500.00	6.59	355.68	4,484.94	267.20	-20.19	19.44	0.00	0.00	0.00
4,600.00	6.59	355.68	4,584.28	278.64	-21.05	20.27	0.00	0.00	0.00
4,700.00	6.59	355.68	4,683.62	290.09	-21.92	21.11	0.00	0.00	0.00
4,800.00	6.59	355.68	4,782.96	301.53	-22.78	21.94	0.00	0.00	0.00
4,900.00	6.59	355.68	4,882.30	312.97	-23.65	22.77	0.00	0.00	0.00
5,000.00	6.59	355.68	4,981.64	324.41	-24.51	23.60	0.00	0.00	0.00
5,100.00	6.59	355.68	5,080.98	335.85	-25.37	24.44	0.00	0.00	0.00
5,200.00	6.59	355.68	5,180.32	347.29	-26.24	25.27	0.00	0.00	0.00

XTO ENERGY

Planning Report

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Company:	XTO Energy	**TVD Reference:**	RKB = 25' @ 3551.00usft
Project:	Lea County, NM (NAD-27)	**MD Reference:**	RKB = 25' @ 3551.00usft
Site:	Big Eddy Unit BB HUX	**North Reference:**	Grid
Well:	#202H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.00	6.59	355.68	5,279.66	358.73	-27.10	26.10	0.00	0.00	0.00
5,400.00	6.59	355.68	5,379.00	370.17	-27.97	26.93	0.00	0.00	0.00
5,500.00	6.59	355.68	5,478.34	381.61	-28.83	27.77	0.00	0.00	0.00
5,600.00	6.59	355.68	5,577.68	393.05	-29.70	28.60	0.00	0.00	0.00
5,700.00	6.59	355.68	5,677.02	404.50	-30.56	29.43	0.00	0.00	0.00
5,800.00	6.59	355.68	5,776.35	415.94	-31.42	30.26	0.00	0.00	0.00
5,900.00	6.59	355.68	5,875.69	427.38	-32.29	31.10	0.00	0.00	0.00
6,000.00	6.59	355.68	5,975.03	438.82	-33.15	31.93	0.00	0.00	0.00
6,100.00	6.59	355.68	6,074.37	450.26	-34.02	32.76	0.00	0.00	0.00
6,200.00	6.59	355.68	6,173.71	461.70	-34.88	33.59	0.00	0.00	0.00
6,300.00	6.59	355.68	6,273.05	473.14	-35.75	34.43	0.00	0.00	0.00
6,400.00	6.59	355.68	6,372.39	484.58	-36.61	35.26	0.00	0.00	0.00
6,500.00	6.59	355.68	6,471.73	496.02	-37.48	36.09	0.00	0.00	0.00
6,600.00	6.59	355.68	6,571.07	507.47	-38.34	36.92	0.00	0.00	0.00
6,700.00	6.59	355.68	6,670.41	518.91	-39.20	37.76	0.00	0.00	0.00
6,800.00	6.59	355.68	6,769.75	530.35	-40.07	38.59	0.00	0.00	0.00
6,900.00	6.59	355.68	6,869.09	541.79	-40.93	39.42	0.00	0.00	0.00
7,000.00	6.59	355.68	6,968.43	553.23	-41.80	40.25	0.00	0.00	0.00
7,100.00	6.59	355.68	7,067.77	564.67	-42.66	41.09	0.00	0.00	0.00
7,200.00	6.59	355.68	7,167.11	576.11	-43.53	41.92	0.00	0.00	0.00
7,300.00	6.59	355.68	7,266.45	587.55	-44.39	42.75	0.00	0.00	0.00
7,400.00	6.59	355.68	7,365.79	598.99	-45.26	43.58	0.00	0.00	0.00
7,500.00	6.59	355.68	7,465.13	610.44	-46.12	44.41	0.00	0.00	0.00
7,600.00	6.59	355.68	7,564.47	621.88	-46.98	45.25	0.00	0.00	0.00
7,613.21	6.59	355.68	7,577.59	623.39	-47.10	45.36	0.00	0.00	0.00
7,650.00	7.77	327.43	7,614.10	627.59	-48.60	46.84	10.00	3.22	-76.77
7,700.00	11.26	305.23	7,663.42	633.26	-54.41	52.64	10.00	6.97	-44.40
7,750.00	15.58	294.27	7,712.05	638.84	-64.52	62.74	10.00	8.65	-21.93
7,800.00	20.22	288.10	7,759.63	644.28	-78.86	77.06	10.00	9.27	-12.34
7,850.00	24.99	284.18	7,805.78	649.56	-97.32	95.51	10.00	9.54	-7.84
7,900.00	29.83	281.46	7,850.15	654.62	-119.76	117.94	10.00	9.68	-5.44
7,950.00	34.71	279.44	7,892.42	659.43	-146.01	144.17	10.00	9.77	-4.04
8,000.00	39.62	277.87	7,932.25	663.95	-175.86	174.01	10.00	9.82	-3.15
8,050.00	44.55	276.59	7,969.35	668.15	-209.10	207.23	10.00	9.85	-2.56
8,100.00	49.48	275.52	8,003.43	671.99	-245.46	243.58	10.00	9.88	-2.14
8,150.00	54.43	274.60	8,034.23	675.45	-284.67	282.79	10.00	9.89	-1.85
8,200.00	59.38	273.78	8,061.52	678.50	-326.44	324.54	10.00	9.91	-1.63
8,250.00	64.34	273.04	8,085.10	681.12	-370.44	368.53	10.00	9.92	-1.47
8,300.00	69.30	272.36	8,104.77	683.28	-416.34	414.43	10.00	9.92	-1.36
8,350.00	74.27	271.73	8,120.39	684.97	-463.79	461.87	10.00	9.93	-1.27
8,400.00	79.23	271.13	8,131.85	686.18	-512.42	510.51	10.00	9.93	-1.21
8,450.00	84.20	270.54	8,139.05	686.90	-561.88	559.96	10.00	9.93	-1.17
8,500.00	89.17	269.97	8,141.95	687.12	-611.78	609.86	10.00	9.93	-1.15
8,511.22	90.28	269.84	8,142.00	687.10	-623.00	621.08	10.00	9.93	-1.14
8,600.00	90.28	269.84	8,141.57	686.85	-711.78	709.86	0.00	0.00	0.00
8,700.00	90.28	269.84	8,141.08	686.57	-811.78	809.86	0.00	0.00	0.00
8,800.00	90.28	269.84	8,140.59	686.28	-911.78	909.86	0.00	0.00	0.00
8,900.00	90.28	269.84	8,140.10	686.00	-1,011.77	1,009.85	0.00	0.00	0.00
9,000.00	90.28	269.84	8,139.61	685.72	-1,111.77	1,109.85	0.00	0.00	0.00
9,100.00	90.28	269.84	8,139.12	685.44	-1,211.77	1,209.85	0.00	0.00	0.00
9,200.00	90.28	269.84	8,138.63	685.15	-1,311.77	1,309.85	0.00	0.00	0.00
9,300.00	90.28	269.84	8,138.15	684.87	-1,411.77	1,409.85	0.00	0.00	0.00
9,400.00	90.28	269.84	8,137.66	684.59	-1,511.77	1,509.85	0.00	0.00	0.00
9,500.00	90.28	269.84	8,137.17	684.31	-1,611.76	1,609.85	0.00	0.00	0.00

XTO ENERGY

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Site:	Big Eddy Unit BB HUX	**North Reference:**	Grid
Well:	#202H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,600.00	90.28	269.84	8,136.68	684.02	-1,711.76	1,709.85	0.00	0.00	0.00
9,700.00	90.28	269.84	8,136.19	683.74	-1,811.76	1,809.84	0.00	0.00	0.00
9,800.00	90.28	269.84	8,135.70	683.46	-1,911.76	1,909.84	0.00	0.00	0.00
9,900.00	90.28	269.84	8,135.21	683.18	-2,011.76	2,009.84	0.00	0.00	0.00
10,000.00	90.28	269.84	8,134.72	682.90	-2,111.76	2,109.84	0.00	0.00	0.00
10,100.00	90.28	269.84	8,134.24	682.61	-2,211.76	2,209.84	0.00	0.00	0.00
10,200.00	90.28	269.84	8,133.75	682.33	-2,311.75	2,309.84	0.00	0.00	0.00
10,300.00	90.28	269.84	8,133.26	682.05	-2,411.75	2,409.84	0.00	0.00	0.00
10,400.00	90.28	269.84	8,132.77	681.77	-2,511.75	2,509.84	0.00	0.00	0.00
10,500.00	90.28	269.84	8,132.28	681.48	-2,611.75	2,609.84	0.00	0.00	0.00
10,600.00	90.28	269.84	8,131.79	681.20	-2,711.75	2,709.83	0.00	0.00	0.00
10,700.00	90.28	269.84	8,131.30	680.92	-2,811.75	2,809.83	0.00	0.00	0.00
10,800.00	90.28	269.84	8,130.82	680.64	-2,911.74	2,909.83	0.00	0.00	0.00
10,900.00	90.28	269.84	8,130.33	680.35	-3,011.74	3,009.83	0.00	0.00	0.00
11,000.00	90.28	269.84	8,129.84	680.07	-3,111.74	3,109.83	0.00	0.00	0.00
11,100.00	90.28	269.84	8,129.35	679.79	-3,211.74	3,209.83	0.00	0.00	0.00
11,200.00	90.28	269.84	8,128.86	679.51	-3,311.74	3,309.83	0.00	0.00	0.00
11,300.00	90.28	269.84	8,128.37	679.22	-3,411.74	3,409.83	0.00	0.00	0.00
11,400.00	90.28	269.84	8,127.88	678.94	-3,511.73	3,509.82	0.00	0.00	0.00
11,500.00	90.28	269.84	8,127.39	678.66	-3,611.73	3,609.82	0.00	0.00	0.00
11,600.00	90.28	269.84	8,126.91	678.38	-3,711.73	3,709.82	0.00	0.00	0.00
11,700.00	90.28	269.84	8,126.42	678.09	-3,811.73	3,809.82	0.00	0.00	0.00
11,800.00	90.28	269.84	8,125.93	677.81	-3,911.73	3,909.82	0.00	0.00	0.00
11,900.00	90.28	269.84	8,125.44	677.53	-4,011.73	4,009.82	0.00	0.00	0.00
12,000.00	90.28	269.84	8,124.95	677.25	-4,111.72	4,109.82	0.00	0.00	0.00
12,100.00	90.28	269.84	8,124.46	676.96	-4,211.72	4,209.82	0.00	0.00	0.00
12,200.00	90.28	269.84	8,123.97	676.68	-4,311.72	4,309.82	0.00	0.00	0.00
12,300.00	90.28	269.84	8,123.48	676.40	-4,411.72	4,409.81	0.00	0.00	0.00
12,400.00	90.28	269.84	8,123.00	676.12	-4,511.72	4,509.81	0.00	0.00	0.00
12,500.00	90.28	269.84	8,122.51	675.83	-4,611.72	4,609.81	0.00	0.00	0.00
12,600.00	90.28	269.84	8,122.02	675.55	-4,711.72	4,709.81	0.00	0.00	0.00
12,700.00	90.28	269.84	8,121.53	675.27	-4,811.71	4,809.81	0.00	0.00	0.00
12,800.00	90.28	269.84	8,121.04	674.99	-4,911.71	4,909.81	0.00	0.00	0.00
12,900.00	90.28	269.84	8,120.55	674.70	-5,011.71	5,009.81	0.00	0.00	0.00
13,000.00	90.28	269.84	8,120.06	674.42	-5,111.71	5,109.81	0.00	0.00	0.00
13,100.00	90.28	269.84	8,119.58	674.14	-5,211.71	5,209.80	0.00	0.00	0.00
13,200.00	90.28	269.84	8,119.09	673.86	-5,311.71	5,309.80	0.00	0.00	0.00
13,300.00	90.28	269.84	8,118.60	673.57	-5,411.70	5,409.80	0.00	0.00	0.00
13,400.00	90.28	269.84	8,118.11	673.29	-5,511.70	5,509.80	0.00	0.00	0.00
13,500.00	90.28	269.84	8,117.62	673.01	-5,611.70	5,609.80	0.00	0.00	0.00
13,600.00	90.28	269.84	8,117.13	672.73	-5,711.70	5,709.80	0.00	0.00	0.00
13,700.00	90.28	269.84	8,116.64	672.44	-5,811.70	5,809.80	0.00	0.00	0.00
13,800.00	90.28	269.84	8,116.15	672.16	-5,911.70	5,909.80	0.00	0.00	0.00
13,900.00	90.28	269.84	8,115.67	671.88	-6,011.69	6,009.79	0.00	0.00	0.00
14,000.00	90.28	269.84	8,115.18	671.60	-6,111.69	6,109.79	0.00	0.00	0.00
14,100.00	90.28	269.84	8,114.69	671.32	-6,211.69	6,209.79	0.00	0.00	0.00
14,200.00	90.28	269.84	8,114.20	671.03	-6,311.69	6,309.79	0.00	0.00	0.00
14,300.00	90.28	269.84	8,113.71	670.75	-6,411.69	6,409.79	0.00	0.00	0.00
14,400.00	90.28	269.84	8,113.22	670.47	-6,511.69	6,509.79	0.00	0.00	0.00
14,500.00	90.28	269.84	8,112.73	670.19	-6,611.69	6,609.79	0.00	0.00	0.00
14,600.00	90.28	269.84	8,112.24	669.90	-6,711.68	6,709.79	0.00	0.00	0.00
14,700.00	90.28	269.84	8,111.76	669.62	-6,811.68	6,809.79	0.00	0.00	0.00
14,800.00	90.28	269.84	8,111.27	669.34	-6,911.68	6,909.78	0.00	0.00	0.00
14,900.00	90.28	269.84	8,110.78	669.06	-7,011.68	7,009.78	0.00	0.00	0.00

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well #202H
Company:	XTO Energy	**TVD Reference:**	RKB = 25' @ 3551.00usft
Project:	Lea County, NM (NAD-27)	**MD Reference:**	RKB = 25' @ 3551.00usft
Site:	Big Eddy Unit BB HUX	**North Reference:**	Grid
Well:	#202H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,000.00	90.28	269.84	8,110.29	668.77	-7,111.68	7,109.78	0.00	0.00	0.00
15,100.00	90.28	269.84	8,109.80	668.49	-7,211.68	7,209.78	0.00	0.00	0.00
15,200.00	90.28	269.84	8,109.31	668.21	-7,311.67	7,309.78	0.00	0.00	0.00
15,300.00	90.28	269.84	8,108.82	667.93	-7,411.67	7,409.78	0.00	0.00	0.00
15,400.00	90.28	269.84	8,108.34	667.64	-7,511.67	7,509.78	0.00	0.00	0.00
15,500.00	90.28	269.84	8,107.85	667.36	-7,611.67	7,609.78	0.00	0.00	0.00
15,600.00	90.28	269.84	8,107.36	667.08	-7,711.67	7,709.77	0.00	0.00	0.00
15,700.00	90.28	269.84	8,106.87	666.80	-7,811.67	7,809.77	0.00	0.00	0.00
15,800.00	90.28	269.84	8,106.38	666.51	-7,911.66	7,909.77	0.00	0.00	0.00
15,900.00	90.28	269.84	8,105.89	666.23	-8,011.66	8,009.77	0.00	0.00	0.00
16,000.00	90.28	269.84	8,105.40	665.95	-8,111.66	8,109.77	0.00	0.00	0.00
16,100.00	90.28	269.84	8,104.91	665.67	-8,211.66	8,209.77	0.00	0.00	0.00
16,200.00	90.28	269.84	8,104.43	665.38	-8,311.66	8,309.77	0.00	0.00	0.00
16,300.00	90.28	269.84	8,103.94	665.10	-8,411.66	8,409.77	0.00	0.00	0.00
16,400.00	90.28	269.84	8,103.45	664.82	-8,511.65	8,509.77	0.00	0.00	0.00
16,500.00	90.28	269.84	8,102.96	664.54	-8,611.65	8,609.76	0.00	0.00	0.00
16,600.00	90.28	269.84	8,102.47	664.25	-8,711.65	8,709.76	0.00	0.00	0.00
16,700.00	90.28	269.84	8,101.98	663.97	-8,811.65	8,809.76	0.00	0.00	0.00
16,800.00	90.28	269.84	8,101.49	663.69	-8,911.65	8,909.76	0.00	0.00	0.00
16,900.00	90.28	269.84	8,101.01	663.41	-9,011.65	9,009.76	0.00	0.00	0.00
17,000.00	90.28	269.84	8,100.52	663.12	-9,111.65	9,109.76	0.00	0.00	0.00
17,100.00	90.28	269.84	8,100.03	662.84	-9,211.64	9,209.76	0.00	0.00	0.00
17,200.00	90.28	269.84	8,099.54	662.56	-9,311.64	9,309.76	0.00	0.00	0.00
17,300.00	90.28	269.84	8,099.05	662.28	-9,411.64	9,409.75	0.00	0.00	0.00
17,400.00	90.28	269.84	8,098.56	661.99	-9,511.64	9,509.75	0.00	0.00	0.00
17,500.00	90.28	269.84	8,098.07	661.71	-9,611.64	9,609.75	0.00	0.00	0.00
17,600.00	90.28	269.84	8,097.58	661.43	-9,711.64	9,709.75	0.00	0.00	0.00
17,700.00	90.28	269.84	8,097.10	661.15	-9,811.63	9,809.75	0.00	0.00	0.00
17,800.00	90.28	269.84	8,096.61	660.86	-9,911.63	9,909.75	0.00	0.00	0.00
17,900.00	90.28	269.84	8,096.12	660.58	-10,011.63	10,009.75	0.00	0.00	0.00
18,000.00	90.28	269.84	8,095.63	660.30	-10,111.63	10,109.75	0.00	0.00	0.00
18,100.00	90.28	269.84	8,095.14	660.02	-10,211.63	10,209.74	0.00	0.00	0.00
18,200.00	90.28	269.84	8,094.65	659.74	-10,311.63	10,309.74	0.00	0.00	0.00
18,300.00	90.28	269.84	8,094.16	659.45	-10,411.62	10,409.74	0.00	0.00	0.00
18,400.00	90.28	269.84	8,093.67	659.17	-10,511.62	10,509.74	0.00	0.00	0.00
18,500.00	90.28	269.84	8,093.19	658.89	-10,611.62	10,609.74	0.00	0.00	0.00
18,600.00	90.28	269.84	8,092.70	658.61	-10,711.62	10,709.74	0.00	0.00	0.00
18,700.00	90.28	269.84	8,092.21	658.32	-10,811.62	10,809.74	0.00	0.00	0.00
18,800.00	90.28	269.84	8,091.72	658.04	-10,911.62	10,909.74	0.00	0.00	0.00
18,900.00	90.28	269.84	8,091.23	657.76	-11,011.62	11,009.74	0.00	0.00	0.00
19,000.00	90.28	269.84	8,090.74	657.48	-11,111.61	11,109.73	0.00	0.00	0.00
19,100.00	90.28	269.84	8,090.25	657.19	-11,211.61	11,209.73	0.00	0.00	0.00
19,200.00	90.28	269.84	8,089.77	656.91	-11,311.61	11,309.73	0.00	0.00	0.00
19,300.00	90.28	269.84	8,089.28	656.63	-11,411.61	11,409.73	0.00	0.00	0.00
19,400.00	90.28	269.84	8,088.79	656.35	-11,511.61	11,509.73	0.00	0.00	0.00
19,500.00	90.28	269.84	8,088.30	656.06	-11,611.61	11,609.73	0.00	0.00	0.00
19,600.00	90.28	269.84	8,087.81	655.78	-11,711.60	11,709.73	0.00	0.00	0.00
19,700.00	90.28	269.84	8,087.32	655.50	-11,811.60	11,809.73	0.00	0.00	0.00
19,800.00	90.28	269.84	8,086.83	655.22	-11,911.60	11,909.72	0.00	0.00	0.00
19,900.00	90.28	269.84	8,086.34	654.93	-12,011.60	12,009.72	0.00	0.00	0.00
20,000.00	90.28	269.84	8,085.86	654.65	-12,111.60	12,109.72	0.00	0.00	0.00
20,100.00	90.28	269.84	8,085.37	654.37	-12,211.60	12,209.72	0.00	0.00	0.00
20,200.00	90.28	269.84	8,084.88	654.09	-12,311.59	12,309.72	0.00	0.00	0.00
20,300.00	90.28	269.84	8,084.39	653.80	-12,411.59	12,409.72	0.00	0.00	0.00

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well #202H
Company:	XTO Energy	**TVD Reference:**	RKB = 25' @ 3551.00usft
Project:	Lea County, NM (NAD-27)	**MD Reference:**	RKB = 25' @ 3551.00usft
Site:	Big Eddy Unit BB HUX	**North Reference:**	Grid
Well:	#202H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
20,400.00	90.28	269.84	8,083.90	653.52	-12,511.59	12,509.72	0.00	0.00	0.00
20,500.00	90.28	269.84	8,083.41	653.24	-12,611.59	12,609.72	0.00	0.00	0.00
20,600.00	90.28	269.84	8,082.92	652.96	-12,711.59	12,709.72	0.00	0.00	0.00
20,700.00	90.28	269.84	8,082.43	652.67	-12,811.59	12,809.71	0.00	0.00	0.00
20,800.00	90.28	269.84	8,081.95	652.39	-12,911.58	12,909.71	0.00	0.00	0.00
20,900.00	90.28	269.84	8,081.46	652.11	-13,011.58	13,009.71	0.00	0.00	0.00
21,000.00	90.28	269.84	8,080.97	651.83	-13,111.58	13,109.71	0.00	0.00	0.00
21,100.00	90.28	269.84	8,080.48	651.54	-13,211.58	13,209.71	0.00	0.00	0.00
21,200.00	90.28	269.84	8,079.99	651.26	-13,311.58	13,309.71	0.00	0.00	0.00
21,300.00	90.28	269.84	8,079.50	650.98	-13,411.58	13,409.71	0.00	0.00	0.00
21,400.00	90.28	269.84	8,079.01	650.70	-13,511.58	13,509.71	0.00	0.00	0.00
21,500.00	90.28	269.84	8,078.53	650.41	-13,611.57	13,609.70	0.00	0.00	0.00
21,600.00	90.28	269.84	8,078.04	650.13	-13,711.57	13,709.70	0.00	0.00	0.00
21,700.00	90.28	269.84	8,077.55	649.85	-13,811.57	13,809.70	0.00	0.00	0.00
21,800.00	90.28	269.84	8,077.06	649.57	-13,911.57	13,909.70	0.00	0.00	0.00
21,900.00	90.28	269.84	8,076.57	649.28	-14,011.57	14,009.70	0.00	0.00	0.00
22,000.00	90.28	269.84	8,076.08	649.00	-14,111.57	14,109.70	0.00	0.00	0.00
22,100.00	90.28	269.84	8,075.59	648.72	-14,211.56	14,209.70	0.00	0.00	0.00
22,200.00	90.28	269.84	8,075.10	648.44	-14,311.56	14,309.70	0.00	0.00	0.00
22,300.00	90.28	269.84	8,074.62	648.16	-14,411.56	14,409.69	0.00	0.00	0.00
22,400.00	90.28	269.84	8,074.13	647.87	-14,511.56	14,509.69	0.00	0.00	0.00
22,500.00	90.28	269.84	8,073.64	647.59	-14,611.56	14,609.69	0.00	0.00	0.00
22,600.00	90.28	269.84	8,073.15	647.31	-14,711.56	14,709.69	0.00	0.00	0.00
22,700.00	90.28	269.84	8,072.66	647.03	-14,811.55	14,809.69	0.00	0.00	0.00
22,800.00	90.28	269.84	8,072.17	646.74	-14,911.55	14,909.69	0.00	0.00	0.00
22,900.00	90.28	269.84	8,071.68	646.46	-15,011.55	15,009.69	0.00	0.00	0.00
23,000.00	90.28	269.84	8,071.19	646.18	-15,111.55	15,109.69	0.00	0.00	0.00
23,100.00	90.28	269.84	8,070.71	645.90	-15,211.55	15,209.69	0.00	0.00	0.00
23,200.00	90.28	269.84	8,070.22	645.61	-15,311.55	15,309.68	0.00	0.00	0.00
23,300.00	90.28	269.84	8,069.73	645.33	-15,411.55	15,409.68	0.00	0.00	0.00
23,400.00	90.28	269.84	8,069.24	645.05	-15,511.54	15,509.68	0.00	0.00	0.00
23,500.00	90.28	269.84	8,068.75	644.77	-15,611.54	15,609.68	0.00	0.00	0.00
23,600.00	90.28	269.84	8,068.26	644.48	-15,711.54	15,709.68	0.00	0.00	0.00
23,700.00	90.28	269.84	8,067.77	644.20	-15,811.54	15,809.68	0.00	0.00	0.00
23,800.00	90.28	269.84	8,067.29	643.92	-15,911.54	15,909.68	0.00	0.00	0.00
23,900.00	90.28	269.84	8,066.80	643.64	-16,011.54	16,009.68	0.00	0.00	0.00
24,000.00	90.28	269.84	8,066.31	643.35	-16,111.53	16,109.67	0.00	0.00	0.00
24,100.00	90.28	269.84	8,065.82	643.07	-16,211.53	16,209.67	0.00	0.00	0.00
24,181.47	90.28	269.84	8,065.42	642.84	-16,293.00	16,291.14	0.00	0.00	0.00
24,200.00	90.28	269.84	8,065.33	642.79	-16,311.53	16,309.67	0.00	0.00	0.00
24,231.47	90.28	269.84	8,065.18	642.70	-16,343.00	16,341.14	0.00	0.00	0.00

XTO ENERGY

Planning Report

Database:	EDM 5000.1.13 Single User Db	**Local Co-ordinate Reference:**	Well #202H
Company:	XTO Energy	**TVD Reference:**	RKB = 25' @ 3551.00usft
Project:	Lea County, NM (NAD-27)	**MD Reference:**	RKB = 25' @ 3551.00usft
Site:	Big Eddy Unit BB HUX	**North Reference:**	Grid
Well:	#202H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	PERMIT		

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
BEU BB-HUX 202H S - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	566,053.70	676,508.90	32.5548841	-103.7604674
BEU BB-HUX 202H P - plan hits target center - Point	0.00	0.00	8,065.18	642.70	-16,343.00	566,696.40	660,165.90	32.5568812	-103.8134970
BEU BB-HUX 202H L - plan misses target center by 0.24usft at 24181.47usft MD (8065.42 TVD, 642.84 N, -16293.00 E) - Point	0.00	0.00	8,065.42	642.60	-16,293.00	566,696.30	660,215.90	32.5568802	-103.8133347
BEU BB-HUX 202H F - plan hits target center - Point	0.00	0.00	8,142.00	687.10	-623.00	566,740.80	675,885.90	32.5567819	-103.7624773

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
952.00	952.00	Rustler			
1,227.00	1,227.00	Salado/Top of Salt			
2,574.34	2,572.00	Base of Salt			
3,231.68	3,225.00	Capitan Reef			
4,735.62	4,719.00	Delaware Sand			
5,144.32	5,125.00	Manzanita Marker			
6,223.44	6,197.00	Brushy Canyon Ss.			
7,480.75	7,446.00	Lower Brushy Canyon Ss.			
7,760.35	7,722.00	Bone Spring Lm.			
7,914.92	7,863.00	Avalon Ss.			
8,020.76	7,948.00	Upper Avalon Sh.			
8,511.22	8,142.00	Landing Point			

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating
WELL NAME & NO.:	Big Eddy Unit BB Hux 202H
LOCATION:	Sec 22-20S-32E-NMP
COUNTY:	Eddy 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

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

The Bureau of Land Management has made slight adjustments to the proposed APD to meet regulation requirements.

a) *The geologist requires the intermediate casing to be set at **2800** ft (in the Tansill Limestone) to adequately isolate the salt formation.*

b) *There was a typo included in the submitted APD. Operator designated that they would like to adjust the maximum mud weight to **9.1** ppg (APD listed maximum mud weight as 9.5 ppg.)*

Approval Date: 07/01/2022

1. The **18 5/8** inch surface casing shall be set at approximately 1200 feet (a minimum of 70 feet (Eddy 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 **24 hours in the Potash Area** 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 **13-3/8** inch intermediate casing (set at **2800** ft) is:

    - Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

❖ In R111 Potash Areas if cement does not circulate to surface on the first two salt protection casing strings, the cement on the 3rd casing string must come to surface.

❖ In Capitan Reef Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

❖ **Special Capitan Reef requirements.** If lost circulation (50% or greater) occurs below the Base of the Salt, the operator shall do the following:

(Use this for 3 string wells in the Capitan Reef, if 4 string well ensure FW based mud used across the capitan interval)

- Switch to fresh water mud to protect the Capitan Reef and use fresh water mud until setting the intermediate casing. The appropriate BLM office is to be notified for a PET to witness the switch to fresh water.

- Daily drilling reports from the Base of the Salt to the setting of the intermediate casing are to be submitted to the BLM CFO engineering staff via e-mail by 0800 hours each morning. Any lost circulation encountered is to be recorded on these drilling reports. The daily drilling report should show mud volume per shift/tour. Failure to submit these reports will result in an Incidence of Non-Compliance being issued for failure to comply with the Conditions of Approval. If not already planned, the operator shall run a caliper survey for the intermediate well bore and submit to the appropriate BLM office.

3. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.

b. Second stage above DV tool:

- Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst, potash or capitan reef.**

4. The minimum required fill of cement behind the **5-1/2** inch production casing is:

- Cement should tie-back at least **50 feet** on top of Capitan Reef top **or 200 feet** into the previous casing, whichever is greater. If cement does not circulate see B.1.a, c-d above.

Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst, potash or capitan reef.

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'

2. 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 **3000 (3M)** 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.

D. SPECIAL REQUIREMENT (S)

Unit Wells

The well sign for a unit well shall include the unit number in addition to the surface and bottom hole lease numbers. This also applies to participating area numbers. If a participating area has not been established, the operator can use the general unit designation, but will replace the unit number with the participating area number when the sign is replaced.

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)

☒ Eddy County
Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

☒ Lea County
Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 689-5981

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 Potash Areas: 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 for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.

3. 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.

4. 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.

5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

6. 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.

7. 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.

8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

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.

4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:

    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. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
    e. 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.

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. In potash areas, 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. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).

    c. 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).

    d. 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.

    e. The results of the test shall be reported to the appropriate BLM office.

f. 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.

g. 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.

h. 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.

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

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

CARLSBAD OFFICE – EDDY & LEA COUNTIES

3104 E. Greene St., Carlsbad, NM 88220
Carlsbad, NM 575-887-7329

XTO PERSONNEL:

Kendall Decker, Drilling Manager	903-521-6477
Milton Turman, Drilling Superintendent	817-524-5107
Jeff Raines, Construction Foreman	432-557-3159
Toady Sanders, EH & S Manager	903-520-1601
Wes McSpadden, Production Foreman	575-441-1147

SHERIFF DEPARTMENTS:

Eddy County	575-887-7551
Lea County	575-396-3611

NEW MEXICO STATE POLICE: 575-392-5588

FIRE DEPARTMENTS: 911

Carlsbad	575-885-2111
Eunice	575-394-2111
Hobbs	575-397-9308
Jal	575-395-2221
Lovington	575-396-2359

HOSPITALS: 911

Carlsbad Medical Emergency	575-885-2111
Eunice Medical Emergency	575-394-2112
Hobbs Medical Emergency	575-397-9308
Jal Medical Emergency	575-395-2221
Lovington Medical Emergency	575-396-2359

AGENT NOTIFICATIONS:

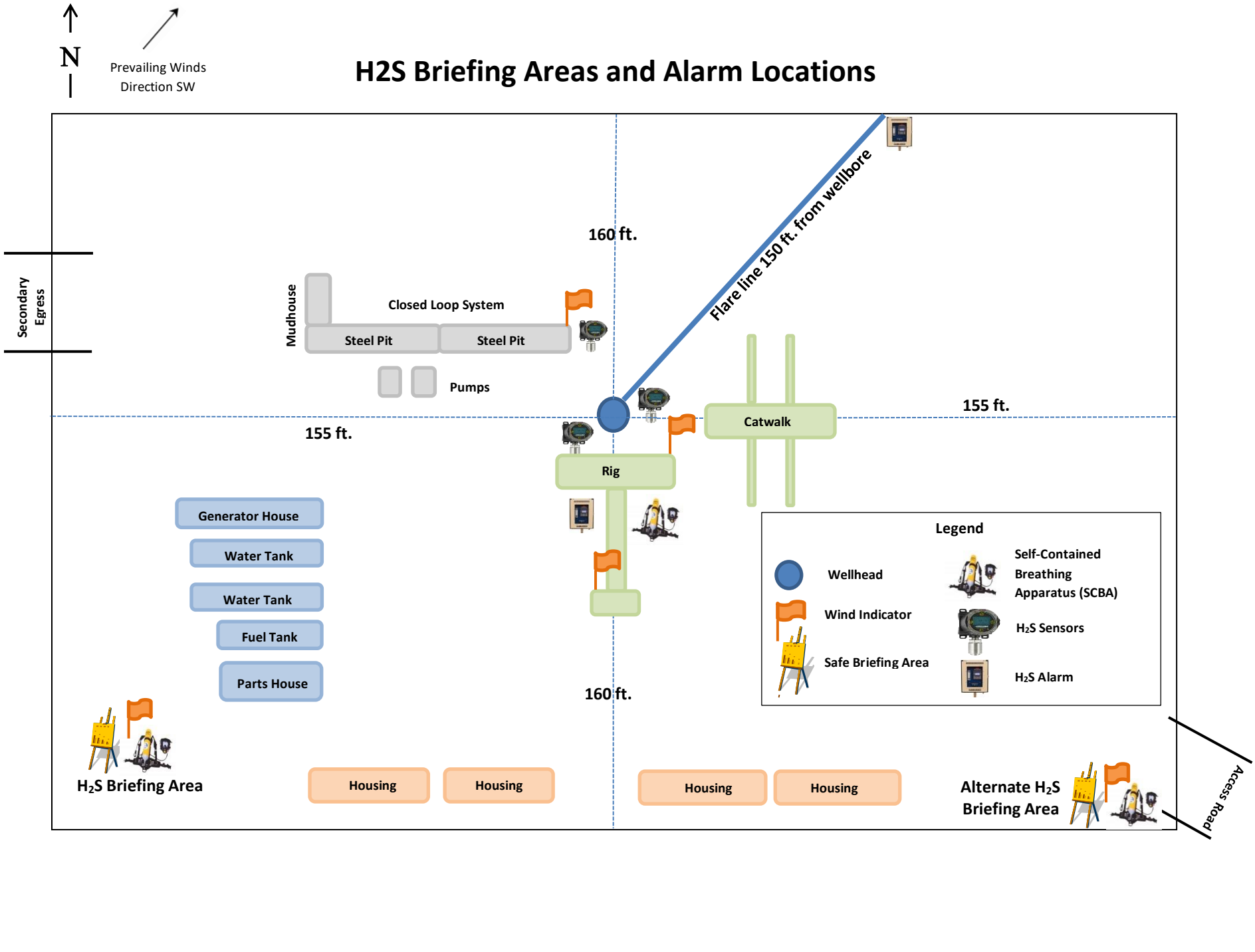
For Lea County:

Bureau of Land Management – Hobbs	575-393-3612
New Mexico Oil Conservation Division – Hobbs	575-393-6161

For Eddy County:

Bureau of Land Management - Carlsbad	575-234-5972
New Mexico Oil Conservation Division - Artesia	575-748-1283

H2S Briefing Areas and Alarm Locations



Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT BB HUX **Well Number:** 202H

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

Disposal type description:

Disposal location description: A licensed 3rd party vendor will be contracted to haul and safely dispose of garbage, junk and non-flammable waste materials.

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

Description of cuttings location Cuttings. The well will be drilled utilizing a closed-loop mud system. Drill cuttings will be held in roll-off style mud boxes and taken to a New Mexico Oil Conservation Division (NMOCD) approved disposal site. Drilling Fluids. These will be contained in steel mud pits and then taken to a NMOCD approved commercial disposal facility. Produced Fluids. Water produced from the well during completion will be held temporarily in steel tanks and then taken to a NMOCD approved commercial disposal facility. Oil produced during operations will be stored in tanks until sold.

Cuttings area length (ft.) **Cuttings area width (ft.)**

Cuttings area depth (ft.) **Cuttings area volume (cu. yd.)**

Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities

Comments:

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

SUPO Data Report
10/01/2024

APD ID: 10400065151
Submission Date: 11/30/2020
Operator Name: XTO PERMIAN OPERATING LLC
Well Name: BIG EDDY UNIT BB HUX
Well Number: 202H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

Hux_202H_road_20201112181604.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT

Row(s) Exist? YES

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? NO

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT BB HUX **Well Number:** 202H

BEU_BB_1_Mile_20201112181934.pdf

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? DEFER

Estimated Production Facilities description: No additional production facilities are necessary. One 600 x 550 pad was previously approved under BLM-NM-P020-2020-0304-EA. The pad is located in Section 27-20S-32E, NMPM, Lea County, New Mexico. CTB Centerpoint: 641FWL & 280FNL, 27-20S-32E. A 3160-5 sundry notification will be submitted after construction with a site-security diagram and layout of the facility with associated equipment. No additional surface disturbance is needed Flowlines. No additional flowlines are being applied for. No additional surface disturbance is necessary or requested. EA number associated with disturbance is BLM-NM-P020-2020-0304-EA. Oil & Gas Pipeline. No oil or gas pipelines are being applied for. No additional surface disturbance is needed. Disposal Facilities. Produced water will be hauled from location to a commercial disposal facility as needed. Once wells are drilled and completed, a 3160-5 sundry notification will be submitted to BLM in compliance with Onshore Order 7. Flare. No flare is required. No additional surface disturbance is needed. Aboveground Structures. All permanent (on site six months or longer) aboveground structures constructed or installed on location and not subject to safety requirements will be painted earth-tone colors such as shale green that reduce the visual impacts of the built environment. Containment Berms. Containment berms will be constructed completely around any production facilities designed to hold fluids. The containment berms will be constructed of compacted subsoil, be sufficiently impervious, hold 1 times the capacity of the largest tank and away from cut or fill areas. Electrical. No additional electrical is required. No additional surface disturbance is needed. Location and Types of Water Supply The well will be drilled using a combination of water mud systems as outlined in the Drilling Program. The water will be obtained from a 3rd party vendor and hauled to the anticipated pit in Section 7 by transport truck using the existing and proposed roads depicted in the attached exhibits. No water well will be drilled on the location.

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: OTHER

Describe type: Fresh Water; Section 21-23S-30E

Water source use type: SURFACE CASING
INTERMEDIATE/PRODUCTION CASING
STIMULATION

Source latitude: **Source longitude:**

Source datum:

Water source permit type: PRIVATE CONTRACT

Water source transport method: TRUCKING

Source land ownership: FEDERAL

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT BB HUX **Well Number:** 202H

Source transportation land ownership: FEDERAL

Water source volume (barrels): 335000 **Source volume (acre-feet):** 43.179188

Source volume (gal): 14070000

Water source type: OTHER

Describe type: Fresh Water; in Section 6, T25S-R29E

Water source use type: SURFACE CASING
INTERMEDIATE/PRODUCTION CASING
STIMULATION

Source latitude: **Source longitude:**

Source datum:

Water source permit type: PRIVATE CONTRACT

Water source transport method: TRUCKING

Source land ownership: FEDERAL

Source transportation land ownership: FEDERAL

Water source volume (barrels): 335000 **Source volume (acre-feet):** 43.179188

Source volume (gal): 14070000

Water source and transportation

Hux_202H_wtr_20201112183202.pdf

Water source comments: The well will be drilled using a combination of water mud systems as outlined in the Drilling Program. The water will be obtained from a 3rd party vendor and hauled to the anticipated pit in Section 13 by transport truck using the existing and proposed roads depicted in the attached exhibits. No water well will be drilled on the location. Water for drilling, completion and dust control will be purchased from the following company: Select Energy Services [Rockhouse Water] Water for drilling, completion and dust control will be supplied by Select Energy Services for sale to XTO Energy, inc. from Section 21-23S-30E, Eddy County, New Mexico. In the event that Select Energy Services does not have the appropriate water for XTO at time of drilling and completion, then XTO water will come from Intrepid Potash Company with the location of the water being in Section 6, T25S-R29E, Eddy County, New Mexico. Anticipated water usage for drilling includes an estimated 35,000 barrels of water to drill a horizontal well in a combination of fresh water and brine as detailed in the mud program in the drilling plans. These volumes are calculated for ~1.5bbls per foot of hole drilled with excess to accommodate any lost circulation or wash out that may occur. Actual water volumes used during operations will depend on the depth of the well, length of horizontal sections, and the losses that may occur during the operation. Temporary water flowlines will be permitted via ROW approval letter and proper grants as-needed based on drilling and completion schedules as needed. Well completion is expected to require approximately 300,000 barrels of water per horizontal well. Actual water volumes used during operations will depend on the depth of the well and length of horizontal sections.

New water well? N

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT BB HUX **Well Number:** 202H

New Water Well Info

Well latitude: **Well Longitude:** **Well datum:**

Well target aquifer:

Est. depth to top of aquifer(ft): **Est thickness of aquifer:**

Aquifer comments:

Aquifer documentation:

Well depth (ft): **Well casing type:**

Well casing outside diameter (in.): **Well casing inside diameter (in.):**

New water well casing? **Used casing source:**

Drilling method: **Drill material:**

Grout material: **Grout depth:**

Casing length (ft.): **Casing top depth (ft.):**

Well Production type: **Completion Method:**

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: Construction, reclamation, and/or routine maintenance will not be conducted during periods when the soil conditions for construction could lead to impacts to the surrounding environment, or when watershed damage is likely to occur as a result of these activities. Any construction material that may be required for surfacing of the drill pad and access road will be from a contractor having a permitted source of materials within the general area. No construction materials will be removed from federal lands without prior approval from the appropriate surface management agency. All roads and well pads will be constructed of 6 rolled and compacted caliche. Anticipated Caliche Locations: i. Pit 1: Federal Caliche Pit, Section 27-20S-31E ii. Pit 2: Federal Caliche Pit, Section 5-21S-30E

Construction Materials source location

Section 7 - Methods for Handling

Waste type: DRILLING

Waste content description: Cuttings

Amount of waste: 2100 pounds

Waste disposal frequency : One Time Only

Safe containment description: The well will be drilled utilizing a closed-loop mud system. Drill cuttings will be held in roll-off style mud boxes.

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT BB HUX **Well Number:** 202H

Disposal type description:

Disposal location description: R360 Environmental Solutions 4507 W Carlsbad Hwy, Hobbs, NM 88240 (575) 393-1079

Waste type: DRILLING

Waste content description: Fluid

Amount of waste: 500 barrels

Waste disposal frequency : One Time Only

Safe containment description: Steel mud pits

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

Disposal type description:

Disposal location description: R360 Environmental Solutions 4507 W Carlsbad Hwy, Hobbs, NM 88240 (575) 393-1079

Waste type: SEWAGE

Waste content description: Human Waste

Amount of waste: 250 gallons

Waste disposal frequency : Weekly

Safe containment description: Portable, self-contained toilets will be provided for human waste disposal. Upon completion of drilling and completion activities, or as required, the toilet holding tanks will be pumped 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, junk and non-flammable waste materials

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.

Safe containmant attachment:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT BB HUX **Well Number:** 202H

Section 9 - Well Site

Well Site Layout Diagram:

Hux_202H_Layout_20201112183410.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: No New Surface Disturbance **Multiple Well Pad Name:** BEU BB

Multiple Well Pad Number: 1

Recontouring

Drainage/Erosion control construction: All compacted areas to be seeded will be ripped to a minimum depth of 18 inches with a minimum furrow spacing of 2 feet, followed by recontouring the surface and then evenly spreading the stockpiled topsoil. Prior to seeding, the seedbed will be scarified to a depth of no less than 4-6 inches.

Drainage/Erosion control reclamation: Erosion features are equal to or less than surrounding area and erosion control is sufficient so that water naturally infiltrates into the soil and gullying, headcutting, slumping, and deep or excessive rills (greater than 3 inches) are not observed.

Well pad proposed disturbance (acres):	**Well pad interim reclamation (acres):** 0	**Well pad long term disturbance (acres):** 0
Road proposed disturbance (acres):	**Road interim reclamation (acres):** 0	**Road long term disturbance (acres):** 0
Powerline proposed disturbance (acres):	**Powerline interim reclamation (acres):** 0	**Powerline long term disturbance (acres):** 0
Pipeline proposed disturbance (acres):	**Pipeline interim reclamation (acres):** 0	**Pipeline long term disturbance (acres):** 0
Other proposed disturbance (acres):	**Other interim reclamation (acres):** 0	**Other long term disturbance (acres):** 0
Total proposed disturbance: 0	**Total interim reclamation:** 0	**Total long term disturbance:** 0

Disturbance Comments: No surface reclamation is planned for this well. XTO Permian Operating, LLC. requests a variance to interim reclamation until all wells on the drill island have been drilled and completed, at which time, XTO Permian Operating, LLC. will contact the appropriate BLM personnel to discuss appropriate interim reclamation plans.

Reconstruction method: The original stock piled topsoil will be spread over the areas being reclaimed and the original landform will be restored for all disturbed areas including well pads, production facilities, roads, pipelines, and utility corridors as close as possible to the original topography. The location will then be ripped and seeded.

Topsoil redistribution: The original stock piled topsoil will be spread over the areas being reclaimed and the original landform will be restored for all disturbed areas including well pads, production facilities, roads, pipelines, and utility corridors as close as possible to the original topography. The location will then be ripped and seeded.

Soil treatment: A self-sustaining, vigorous, diverse, native (or otherwise approved) plan community will be established on the site with a density sufficient to control erosion and invasion by non-native plants and to re-establish wildlife habitat or forage production. At a minimum, the established plant community will consist of species included in the seed mix and/or desirable species occurring in the surrounding natural vegetation.
Existing Vegetation at the well pad: Environmental Setting. Soils are classified as Simona. Simona soils are associated with the Shallow sandy ecological site (R042CX002NM) which typically supports black grama grasslands with an even distribution of yucca, javelina bush, range ratany, prickly pear, and mesquite. The current vegetative community consists of mesquite, broom snakeweed, sunflower, and desert grasses and forbs.

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT BB HUX **Well Number:** 202H

Existing Vegetation at the well pad

Existing Vegetation Community at the road: Environmental Setting. Soils are classified as Simona. Simona soils are associated with the Shallow sandy ecological site (R042CX002NM) which typically supports black grama grasslands with an even distribution of yucca, javelina bush, range ratany, prickly pear, and mesquite. The current vegetative community consists of mesquite, broom snakeweed, sunflower, and desert grasses and forbs.

Existing Vegetation Community at the road

Existing Vegetation Community at the pipeline: Environmental Setting. Soils are classified as Simona. Simona soils are associated with the Shallow sandy ecological site (R042CX002NM) which typically supports black grama grasslands with an even distribution of yucca, javelina bush, range ratany, prickly pear, and mesquite. The current vegetative community consists of mesquite, broom snakeweed, sunflower, and desert grasses and forbs.

Existing Vegetation Community at the pipeline

Existing Vegetation Community at other disturbances: Environmental Setting. Soils are classified as Simona. Simona soils are associated with the Shallow sandy ecological site (R042CX002NM) which typically supports black grama grasslands with an even distribution of yucca, javelina bush, range ratany, prickly pear, and mesquite. The current vegetative community consists of mesquite, broom snakeweed, sunflower, and desert grasses and forbs.

Existing Vegetation Community at other disturbances

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

Seedling transplant description

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Seed harvest description attachment:

Seed

Seed Table

Seed Summary	
Seed Type	**Pounds/Acre**

Total pounds/Acre:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT BB HUX **Well Number:** 202H

Seed reclamation

Operator Contact/Responsible Official

First Name: Owen **Last Name:** Skeie

Phone: (432)215-1776 **Email:** Owen_Skeie@xtoenergy.com

Seedbed prep: Initial seedbed preparation will consist of recontouring to the appropriate interim or final reclamation standard. All compacted areas to be seeded will be ripped to a minimum depth of 18 inches with a minimum furrow spacing of 2 feet, followed by recontouring the surface and then evenly spreading the stockpiled topsoil. Prior to seeding, the seedbed will be scarified to a depth of no less than 4-6 inches. If the site is to be broadcast seeded, the surface will be left rough enough to trap seed and snow, control erosion, and increase water infiltration.

Seed BMP: If broadcast seeding is to be used and is delayed, final seedbed preparation will consist of contour cultivating to a depth of 4-6 inches within 24 hours prior to seeding, dozer tracking, or other imprinting in order to break the soil crust and create seed germination micro-sites.
Seed method: Seeding will be conducted no more than two weeks following completion of final seedbed preparation. A certified weed-free seed mix designed by the BLM to meet reclamation standards will be used. If the site is harrowed or dragged, seed will be covered by no more than 0.25 inch of soil.
Existing invasive species? N

Existing invasive species treatment description:

Existing invasive species treatment

Weed treatment plan description: Weed control for all phases will be through the use of approved pesticides and herbicides according to applicable State, Federal and local laws.
Weed treatment plan

Monitoring plan description: Monitoring of invasive and noxious weeds will be visual and as-needed. If it is determined additional methods are required to monitor invasive and noxious weeds, appropriate BLM authorities will be contacted with a plan of action for approval prior to implementation.
Monitoring plan

Success standards: 100% compliance with applicable regulations.

Pit closure description: There will be no reserve pit as each well will be drilled utilizing a closed loop mud system. The closed loop system will meet the NMOCD requirements 19.15.17.
Pit closure attachment:

Section 11 - Surface Ownership

Disturbance type: OTHER

Describe: Flowline

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT BB HUX **Well Number:** 202H

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Disturbance type: EXISTING ACCESS ROAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: BIG EDDY UNIT BB HUX **Well Number:** 202H

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Section 12 - Other

Right of Way needed? Y **Use APD as ROW?** Y

ROW Type(s): 281001 ROW - ROADS,288100 ROW – O&G Pipeline,288101 ROW – O&G Facility Sites,289001 ROW-O&G Well Pad,FLPMA (Powerline)

ROW

SUPO Additional Information:

Use a previously conducted onsite? N

Previous Onsite information:

Other SUPO

BEU_BB_Well_List_2020_20201112183855.pdf
BEU_DI_BB_SUPO_BLM_NSD_20201112183929.pdf

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

Bond Info Data
10/01/2024

APD ID: 10400065151
Submission Date: 11/30/2020
Operator Name: XTO PERMIAN OPERATING LLC
Well Name: BIG EDDY UNIT BB HUX
Well Number: 202H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Bond

Federal/Indian APD: FED

BLM Bond number: COB000050

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information

GATES E & S NORTH AMERICA, INC
DU-TEX
134 44TH STREET
CORPUS CHRISTI, TEXAS 78405

PHONE: 361-887-9807
FAX: 361-887-0812
EMAIL: crpe&s@gates.com
WEB: www.gates.com

GRADE D PRESSURE TEST CERTIFICATE

Customer :	AUSTIN DISTRIBUTING	Test Date:	6/8/2014
Customer Ref. :	PENDING	Hose Serial No.:	D-060814-1
Invoice No. :	201709	Created By:	NORMA

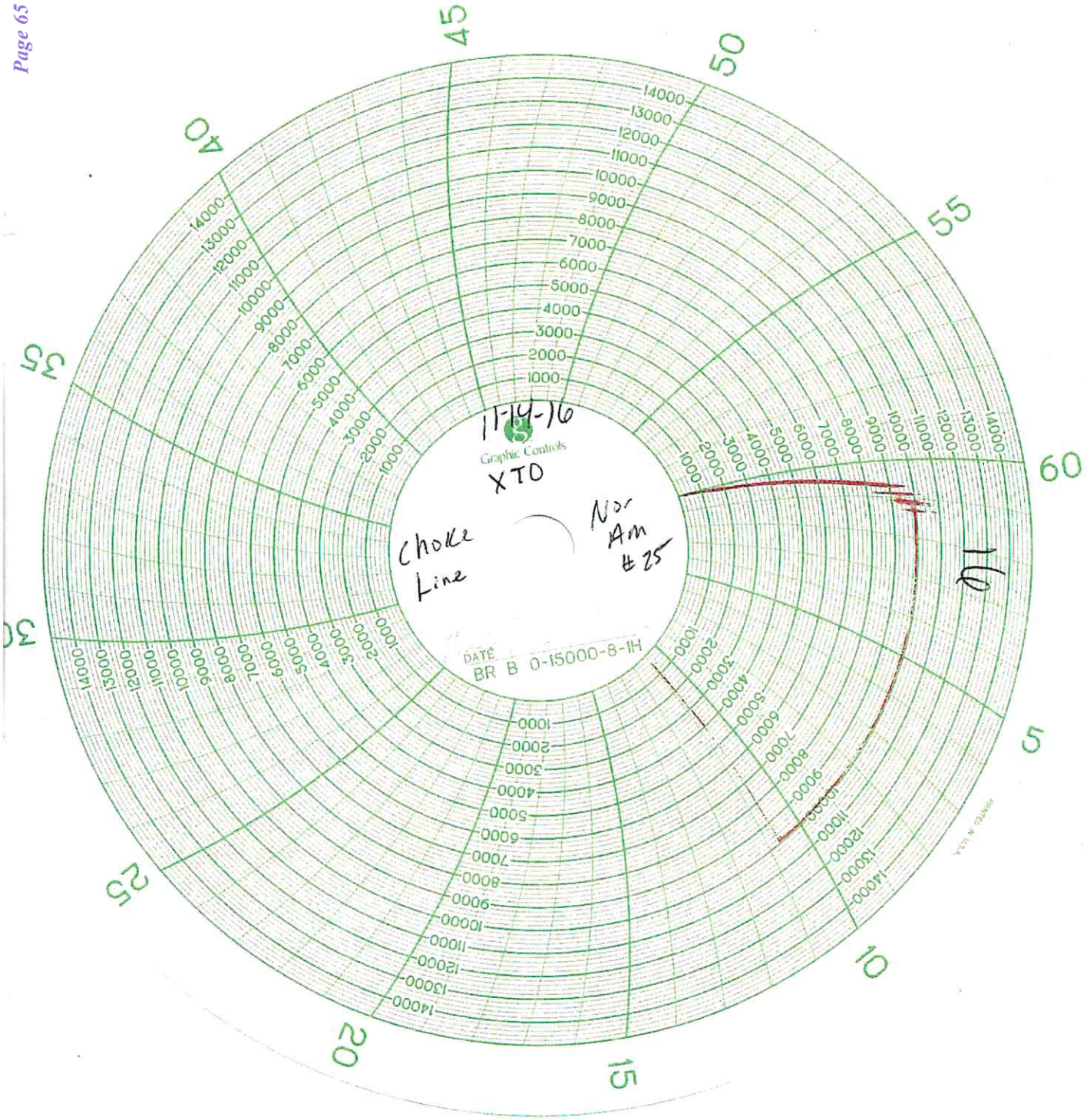
Product Description:	FD3.042.0R41/16.5KFLGE/E LE

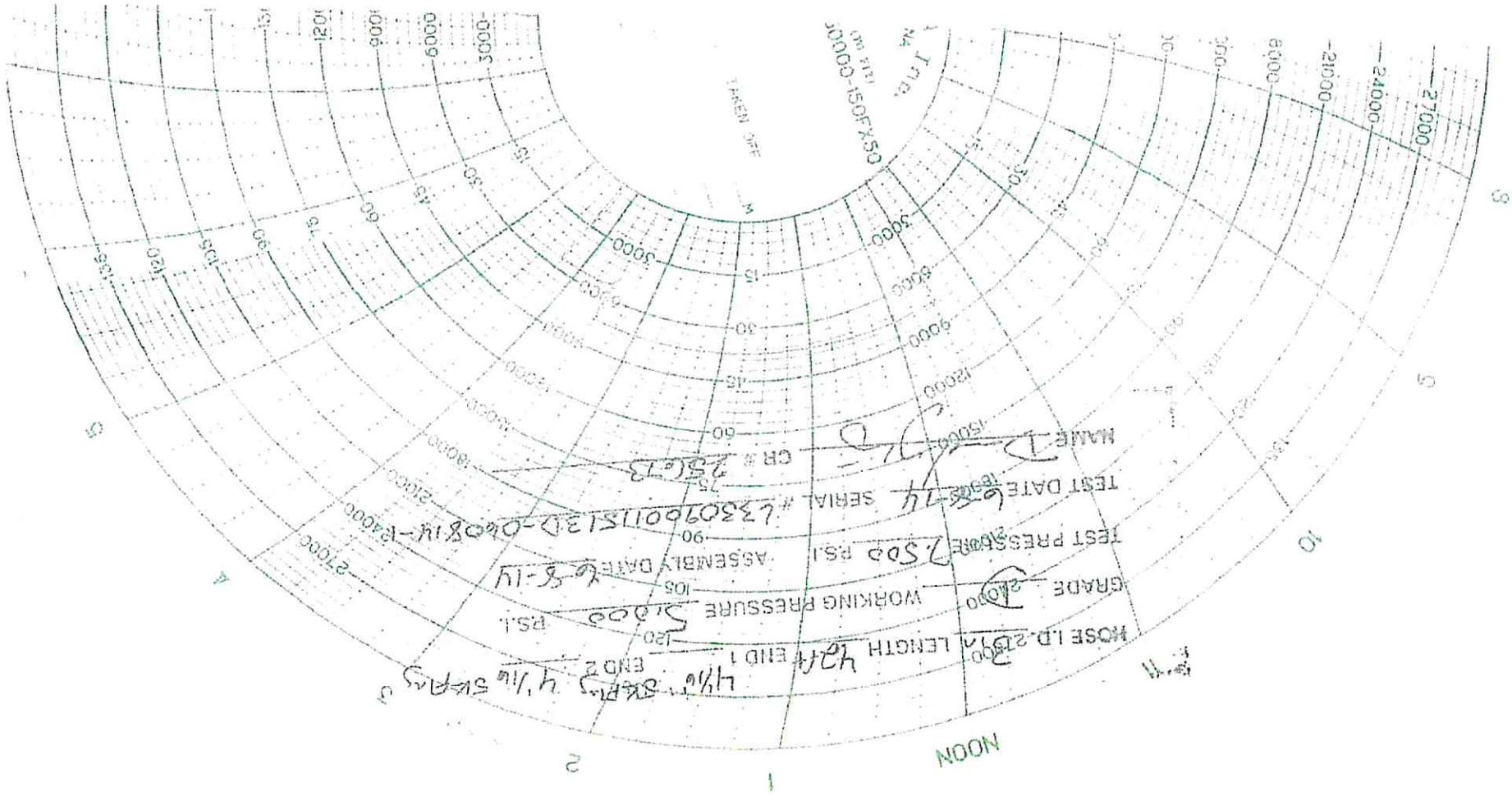
End Fitting 1 :	4 1/16 in.5K FLG	End Fitting 2 :	4 1/16 in.5K FLG
Gates Part No. :	4774-6001	Assembly Code :	L33090011513D-060814-1
Working Pressure :	5,000 PSI	Test Pressure :	7,500 PSI

Gates E & S North America, Inc. certifies that the following hose assembly has been tested to the Gates Oilfield Roughneck Agreement/Specification requirements and passed the 15 minute hydrostatic test per API Spec 7K/Q1, Fifth Edition, June 2010, Test pressure 9.6.7 and per Table 9 to 7,500 psi in accordance with this product number. Hose burst pressure 9.6.7.2 exceeds the minimum of 2.5 times the working pressure per Table 9.

Quality:	QUALITY	Technical Supervisor :	PRODUCTION
Date :	6/8/2014	Date :	6/8/2014
Signature :		Signature :	

Form PTC - 01 Rev.0 2

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5
6
HOSE I.D. 3"
LENGTH 42ft
END 1
END 2
GRADE D
WORKING PRESSURE 5,000 P.S.I.
ASSEMBLY DATE 6-14
TEST PRESSURE 7,500 P.S.I.
TEST DATE 6-14
SERIAL # 23079001S13D-060814
CR # 25673
MAKE

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 395568

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 395568
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
pkautz	REQUIRES NAME CHANGE	10/24/2024
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104	10/24/2024
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	10/24/2024
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	10/24/2024
pkautz	If cement does not circulate on any string, a CBL is required for that string of casing	10/24/2024