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

Sundry Print Report
12/09/2024

Well Name: BIG EDDY UNIT DI 30 WEST 15-17

Well Location: T20S / R31E / SEC 15 / NESE / 32.570288 / -103.849038

County or Parish/State: EDDY / NM

Well Number: 1H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMLC063667

Unit or CA Name: BIG EDDY

Unit or CA Number: NMNM68294X

US Well Number:

Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2822454

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 11/14/2024

Time Sundry Submitted: 07:15

Date proposed operation will begin: 11/22/2024

Procedure Description: BIG EDDY UNIT DI 30 West 15-17 1H APD ID# 10400095185 SUNDRY LANGUAGE XTO Permian Operating, LLC. respectfully requests approval to make the below listed changes to the approved APD – 1. Casing design to be changed from the proposed 4-string engineered weak point design to a 4-string design with an uncemented annulus between 2nd intermediate and production casing strings 2. Associated changes required in the cement program & the mud circulation system as per the newly proposed casing design mentioned above No changes requested to the SHL/BHL/take points, proposed MD/TVD and formation (pool). There will be no new surface disturbance. See attached drilling program for the updated casing design, cement program & mud circulation system. Attachments: Drilling Program, Non-API Spec document for Production Casing, Well bore diagram, Diverter Diagram, Flex Hose Variance, Spudder Rig Request.

NOI Attachments

Procedure Description

Sundry_Attachments___1H_20241114071429_20241118100316.pdf

Well Name: BIG EDDY UNIT DI 30 WEST 15-17	**Well Location:** T20S / R31E / SEC 15 / NESE / 32.570288 / -103.849038	**County or Parish/State:** EDDY / NM
Well Number: 1H	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number: NMLC063667	**Unit or CA Name:** BIG EDDY	**Unit or CA Number:** NMNM68294X
US Well Number:	**Operator:** XTO PERMIAN OPERATING LLC	

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: SRINIVAS LAGHUVARAPU

Signed on: NOV 18, 2024 10:03 AM

Name: XTO PERMIAN OPERATING LLC

Title: REGULATORY ANALYST

Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY

City: SPRING **State:** TX

Phone: (720) 539-1673

Email address: SRINIVAS.N.LAGHUVARAPU@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: ZOTA M STEVENS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752345998

BLM POC Email Address: ZSTEVENS@BLM.GOV

Disposition: Approved

Disposition Date: 12/07/2024

Signature: Zota Stevens

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. NMLC063667

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No. BIG EDDY/NMNM68294X

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

8. Well Name and No. BIG EDDY UNIT DI 30 WEST 15-17/1H

2. Name of Operator XTO PERMIAN OPERATING LLC

9. API Well No.

3a. Address 6401 HOLIDAY HILL ROAD BLDG 5, MIDLAND,

3b. Phone No. *(include area code)* (432) 683-2277

10. Field and Pool or Exploratory Area WC WILLIAMS SINK/Bone Spring

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 15/T20S/R31E/NMP

11. Country or Parish, State EDDY/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☑ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

BIG EDDY UNIT DI 30 West 15-17 1H
APD ID# 10400095185
SUNDRY LANGUAGE

XTO Permian Operating, LLC. respectfully requests approval to make the below listed changes to the approved APD
1. Casing design to be changed from the proposed 4-string engineered weak point design to a 4-string design with an uncemented annulus between 2nd intermediate and production casing strings
2. Associated changes required in the cement program & the mud circulation system as per the newly proposed casing design mentioned above

No changes requested to the SHL/BHL/take points, proposed MD/TVD and formation (pool). There will be no new surface disturbance.

See attached drilling program for the updated casing design, cement program & mud circulation system.
Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* SRINIVAS LAGHUVARAPU / Ph: (720) 539-1673

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 11/18/2024

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by ZOTA M STEVENS / Ph: (575) 234-5998 / Approved

Title Petroleum Engineer

Date 12/07/2024

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office CARLSBAD

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

Additional Information

Additional Remarks

Attachments: Drilling Program, Non-API Spec document for Production Casing, Well bore diagram, Diverter Diagram, Flex Hose Variance, Spudder Rig Request.

Location of Well

0. SHL: NESE / 1543 FSL / 180 FEL / TWSP: 20S / RANGE: 31E / SECTION: 15 / LAT: 32.570288 / LONG: -103.849038 (TVD: 0 feet, MD: 0 feet)

PPP: NENE / 428 FNL / 0 FWL / TWSP: 20S / RANGE: 31E / SECTION: 17 / LAT: 32.579495 / LONG: -103.882737 (TVD: 9322 feet, MD: 21300 feet)

PPP: NWNW / 432 FNL / 1317 FWL / TWSP: 20S / RANGE: 31E / SECTION: 15 / LAT: 32.579461 / LONG: -103.861288 (TVD: 9380 feet, MD: 14700 feet)

PPP: NENE / 440 FNL / 100 FEL / TWSP: 20S / RANGE: 31E / SECTION: 15 / LAT: 32.57944 / LONG: -103.848784 (TVD: 9415 feet, MD: 10658 feet)

BHL: NWNW / 440 FNL / 50 FWL / TWSP: 20S / RANGE: 31E / SECTION: 17 / LAT: 32.579519 / LONG: -103.899808 (TVD: 9282 feet, MD: 25838 feet)

DRILLING PLAN: BLM COMPLIANCE
(Supplement to BLM 3160-3)

XTO Energy Inc.
BEU DI 30 West 15-17 1H
Projected TD: 25838' MD / 9282' TVD
SHL: 1543' FSL & 180' FEL , Section 15, T20S, R31E
BHL: 440' FNL & 50' FWL , Section 17, T20S, R31E
Eddy County, NM

1. Geologic Name of Surface Formation

A. Quaternary

2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas

Formation	Well Depth	Water/Oil/Gas
Rustler	690'	Water
Salado	950'	Water
Base Salt	1970'	Water
Capitan	2740'	Water
Delaware	3950'	Water/Oil/Gas
Brushy Canyon	5785'	Water/Oil/Gas
Basal Brushy Canyon	7140'	Water/Oil/Gas
Bone Spring Lime	7371'	Water/Oil/Gas
Avalon Mid Carb Top	7930'	Water/Oil/Gas
Avalon Mid Carb Base	8090'	Water/Oil/Gas
1st Bone Spring Lime	8300'	Water/Oil/Gas
1st Bone Spring Sand	8577'	Water/Oil/Gas
2nd Bone Spring Lime	8811'	Water/Oil/Gas
2nd Bone Spring Sand	9070'	Water/Oil/Gas
2nd Bone Spring Sand Inner Carb	9093'	Water/Oil/Gas
B Target Top	9400'	Water/Oil/Gas
B Landing Point	**9415'**	**Water/Oil/Gas**
B Target Base	9430'	Water/Oil/Gas

Section 2 Summary:

*** Deepest Expected Groundwater Depth: 40' (per NM State Engineers Office).

No other formations are expected to give up oil, gas or fresh water in measurable quantities.
Surface fresh water sands will be protected by setting 20"inch casing at 925' and circulating cement back to surface.

3. Casing Design

Primary Design:

Hole Size	MD	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
26" / 24"	0' – 925'	20"	**94**	**J-55**	BTC	New	**7.43**	**1.30**	**6.14**
17.5	0' – 2120'	13-3/8"	54.5	J-55	BTC	New	4.21	1.23	4.59
12.25	0' – 4000'	9-5/8"	40	HC L-80	BTC	New	5.03	2.44	3.89
8.75" / 8.5"	0' – 25838'	6"	26	P-110 - CY	P110 - Wedge 461	New	1.18	3.33	1.87

Section 3 Summary:

XTO will keep casing fluid filled to meet BLM's collapse requirement.

Wellhead:

A multi-bowl wellhead system will be utilized.The well design chosen is:4-String Big Potash (Capitan Reef)

Wellhead will be installed by manufacturer's representatives.

Manufacturer will monitor welding process to ensure appropriate temperature of seal.

4. Cement Program

Primary Cementing

Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	TOC (ft)	Casing Setting Depth (MD)	Excess (%)	Slurry Description
Surface 1	Lead	892	12.4	2.11	0	925	100%	Surface Class C Lead Cement
Surface 1	Tail	679	14.8	1.33	625	925	100%	Surface Class C Tail Cement
Intermediate 1	Lead	939	12.9	2.02	0	2120	50%	Intermediate Class C Lead Cement
Intermediate 1	Tail	216	14.8	1.45	1820	2120	50%	Intermediate Class C Tail Cement
Intermediate 2	Lead	861	12.9	2.02	0	4000	50%	Intermediate Class C Lead Cement
Intermediate 2	Tail	87	14.8	1.45	3700	4000	35%	Intermediate Class C Tail Cement
Production 1	Lead							
Production 1	Tail	3081	13.2	1.44	5785	25838	0%	Production Class C Tail Cement

Remedial Cementing

Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	TOC	Excess (%)	Slurry Description
Production 1	Bradenhead Squeeze	534	14.8	1.45	3500	0%	Production Class C Bradenhead Squeeze Cement

Section 4 Summary:

Open 2nd intermediate x production annulus to monitor during completion. In the event of production casing failure, pressure will either release at surface or into the formation below 2nd intermediate shoe in the Delaware Mountain group / Brushy Canyon relief zone (R111Q Figure E)

Production casing will consist of a primary cement job with TOC at the top of the Brushy Canyon formation within the Delaware Mountain Group with 0% excess and well below the minimum of 500' from Intermediate 2 casing shoe. After hydraulic fracturing has been completed and no longer than 180 days after well is on production, production cement to be tied back with bradenhead job no less than 500' inside previous casing shoe (intermediate 2 casing) but with top below Marker Bed 126 "Potash Interval".

5. Pressure Control Equipment

Section 5 Summary:

Once the permanent WH is installed on the casing, the blow out preventer equipment (BOP) will consist of a minimum 5M Hydril Annular and a minimum 5M Double Ram BOP.

All BOP testing will be done by an independent service company. Operator will Test as per BLM 43CFR-3172

The maximum bottom hole pressure anticipated is 4700 psi.

Requested Variances

Offline Cementing Variance
XTO requests the option to offline cement and remediate (if needed) surface and intermediate casing strings where batch drilling is approved and if unplanned remediation is needed. XTO will ensure well is static with no pressure on the csg annulus, as with all other casing strings where batch drilling operations occur before moving off the rig. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence. The TA cap will also be installed when applicable per wellhead manufacturer's procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

Break Test Variance
A break testing variance is requested to ONLY test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53.

Flex Hose Variance
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.

Diverter Variance
Operator request a variance to utilize a temporary blowout preventer equipment (Diverter) to drill 1st intermediate section. This temporary diverter consist of a minimum 2M Hydril. Once the casing is run and cemented, and the multi-bowl wellhead system is installed and tested, the full BOP system with Hydril and rams will be installed before continue drilling the 2nd intermediate and production sections or enter in an oil and gas bearing interval.

Spudder Rig Variance
XTO requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface casing.

Batch Drilling Variance
XTO requests a variance to be able to batch drill this well. In doing so, XTO will set casing and ensure that the well is cemented properly (unless approval is given for offline cementing) and the well is static. XTO will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and both intermediate strings are all completed, XTO will begin drilling the production hole on each of the wells.

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)	Comments
0' – 925'	26" / 24"	FW/Native	8.3 - 8.7	35-40	NC	Fresh Water or Native Water
925' – 2120'	17.5	Brine	9.5 - 10	30-32	NC	Fully saturated salt across Salado / Salt
2120' – 4000'	12.25	Fresh Water	8.3 - 8.7	35-40	NC	Fresh Water
4000' – 25838'	8.75" / 8.5"	Cut Brine / OBM	9 - 9.6	50-60	NC - 20	OBM or Cut Brine depending on Well Conditions

Section 6 Summary:

The necessary mud products for weight addition and fluid loss control will be on location at all times.

Spud with fresh water/native mud. Drill out from under surface casing with a fully saturated brine while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. An EDR (Electronic Drilling Recorder) 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.

7. Auxiliary Well Control and Monitoring Equipment

Section 7 Summary:

A Kelly cock will be in the drill string at all times.

A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.

H2S monitors will be on location when drilling below the 20" casing.

8. Logging, Coring and Testing Program

Section 8 Summary:

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

Section 9 Summary:

The estimated bottom hole temperature of 160F to 180F. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation is possible throughout the well.

10. Anticipated Starting Date and Duration of Operations

Section 10 Summary:

Anticipated spud date will be after BLM approval. Move in operations and drilling is expected to take 40 days.

Tenaris

TenarisHydril Wedge 461®

Coupling	Pipe Body
Grade: **P110-CY**	Grade: **P110-CY**
Body: **White**	1st Band: **White**
1st Band: **Grey**	2nd Band: **Grey**
2nd Band: **-**	3rd Band: **-**
3rd Band: **-**	4th Band: **-**
	5th Band: **-**
	6th Band: **-**

Outside Diameter	6.000 in.	**Wall Thickness**	0.438 in.	**Grade**	P110-CY
Min. Wall Thickness	87.50 %	**Pipe Body Drift**	API Standard	**Type**	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry				Performance	
Nominal OD	6.000 in.	**Wall Thickness**	0.438 in.	**Body Yield Strength**	842 x1000 lb
Nominal Weight	26.00 lb/ft	**Plain End Weight**	26.04 lb/ft	**Min. Internal Yield Pressure**	14,050 psi
Drift	4.999 in.	**OD Tolerance**	API	**SMYS**	110,000 psi
Nominal ID	5.124 in.			**Collapse Pressure**	13,680 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	6.800 in.	**Tension Efficiency**	100 %	**Minimum**	20,000 ft-lb
Coupling Length	8.914 in.	**Joint Yield Strength**	842 x1000 lb	**Optimum**	21,000 ft-lb
Connection ID	5.170 in.	**Internal Pressure Capacity**	14,050 psi	**Maximum**	25,200 ft-lb
Make-up Loss	4.375 in.	**Compression Efficiency**	100 %		
Threads per inch	3.40	**Compression Strength**	842 x1000 lb	**Operation Limit Torques**	
Connection OD Option	Regular	**Max. Allowable Bending**	84.03 °/100 ft	**Operating Torque**	52,000 ft-lb
		External Pressure Capacity	13,680 psi	**Yield Torque**	61,000 ft-lb
		Coupling Face Load	306,000 lb	**Buck-On**	
				Minimum	25,200 ft-lb
				Maximum	26,700 ft-lb

Notes

In October 2019, TenarisHydril Wedge XP® 2.0 was renamed TenarisHydril Wedge 461™. Product dimensions and properties remain identical and both connections are fully interchangeable

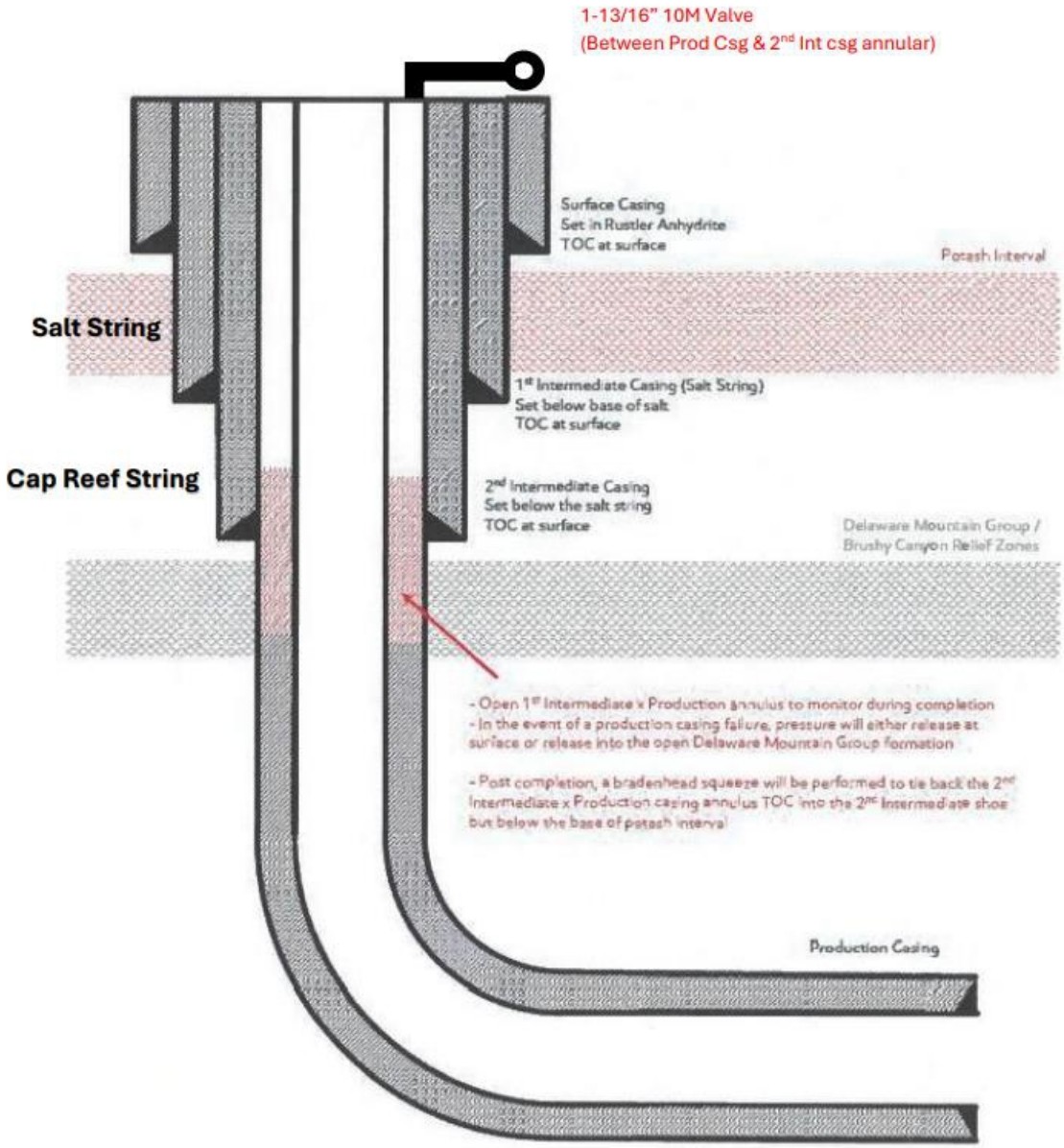
For the lastest performance data, always visit our website: www.tenaris.com
For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

PIII/CI

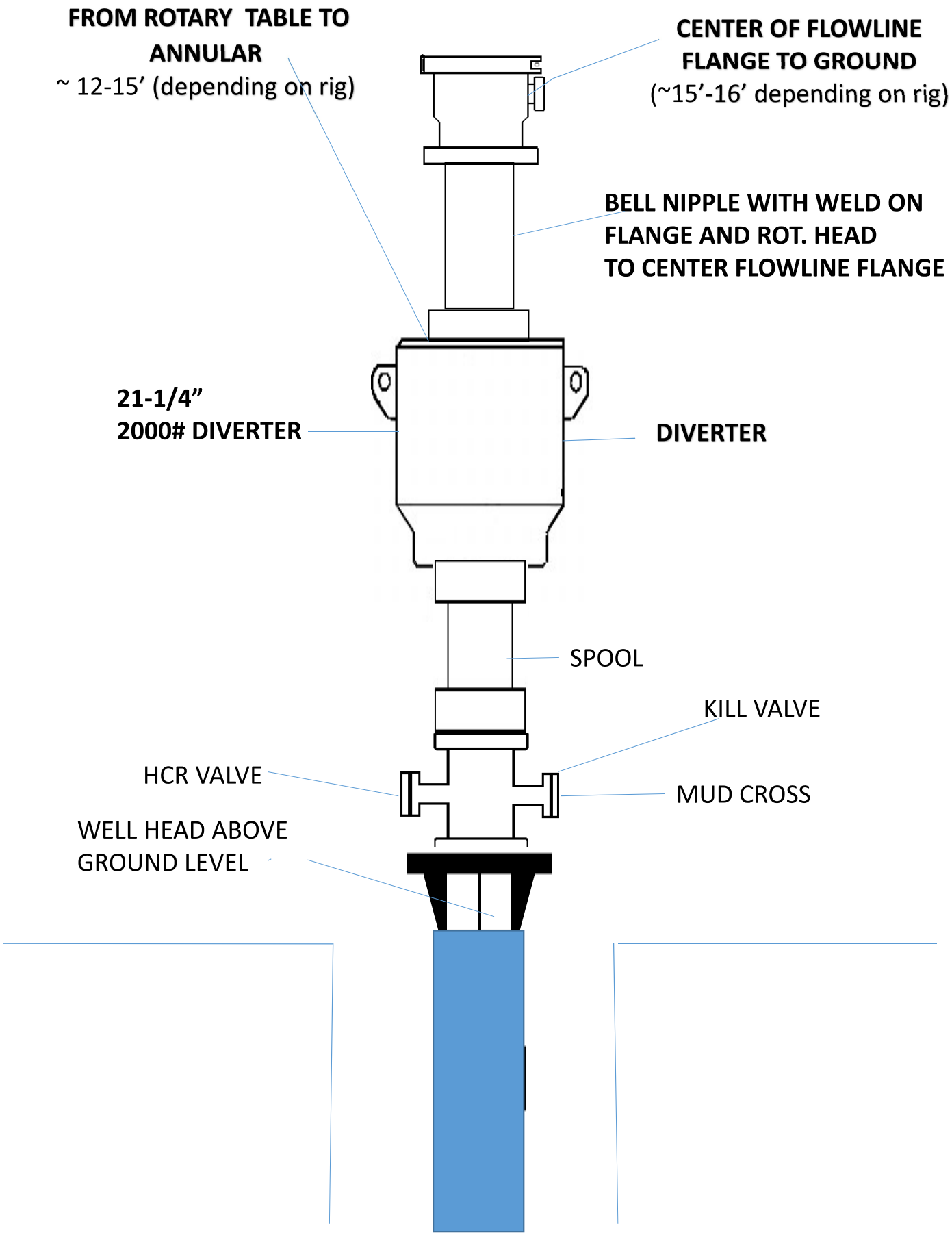
Update May 2024:

XTO Permian Operating LLC is aware of R-111-Q update and will comply with these requirements including (but not limited to):

- Alignment with KPLA requirements per schematic below, with open 2nd Int x production casing design and utilizing new casing that meets API standards.
- Production casing will consist of a primary cement job with TOC at the top of the Brushy Canyon formation within the Delaware Mountain Group with 0% excess and well below the minimum of 500' from Intermediate 2 casing shoe.
    - After hydraulic fracturing has been completed and no longer than 180 days after well is on production, production cement to be tied back with bradenhead job no less than 500' inside previous casing shoe (intermediate 2 casing) but with top below Marker Bed 126 "Potash Interval".
- Monitor separation Distance to offsets and maintain a Separation Factor greater than 1.0 while drilling through the salt intervals. For blind or inclination only wells, XTO Permian Operating LLC will maintain greater than 300' center-to-center separation.



[Figure E] 4 String – Uncemented Annulus between 2nd Intermediate and Production Casing Strings. (Reference R-111-Q: Exhibit B


FROM ROTARY TABLE TO ANNULAR
~ 12-15' (depending on rig)
CENTER OF FLOWLINE FLANGE TO GROUND
(~15'-16' depending on rig)
BELL NIPPLE WITH WELD ON FLANGE AND ROT. HEAD TO CENTER FLOWLINE FLANGE
21-1/4" 2000# DIVERTER
DIVERTER
SPOOL
KILL VALVE
HCR VALVE
MUD CROSS
WELL HEAD ABOVE GROUND LEVEL

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 90 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.

BLACK GOLD®

GATES ENGINEERING & SERVICES NORTH AMERICA
7603 Prairie Oak Dr.
Houston, TX. 77086

PHONE: +1 (281) 602-4100
FAX: +1 (281) 602-4147
EMAIL: gesna.quality@gates.com
WEB: www.gates.com/oilandgas

NEW CHOKE HOSE INSTALLED 02-10-2024

CERTIFICATE OF CONFORMANCE

This is to verify that the items detailed below meet the requirements of the Customer's Purchase Order referenced herein, and are in Conformance with applicable specifications, and that Records of Required Tests are on file and subject to examination. The following items were inspected and hydrostatically tested at **Gates Engineering & Services North America** facilities in Houston, TX, USA.

CUSTOMER:	NABORS DRILLING TECHNOLOGIES USA DBA NABORS DRILLING USA
CUSTOMER P.O.#:	15582803 (TAG NABORS PO #15582803 SN 74621 ASSET 66-1531)
CUSTOMER P/N:	IMR RETEST SN 74621 ASSET #66-1531
PART DESCRIPTION:	RETEST OF CUSTOMER 3" X 45 FT 16C CHOKE & KILL HOSE ASSEMBLY C/W 4 1/16" 10K FLANGES
SALES ORDER #:	529480
QUANTITY:	1
SERIAL #:	74621 H3-012524-1

SIGNATURE: F. OSUNOS

TITLE: QUALITY ASSURANCE

DATE: 1/25/2024

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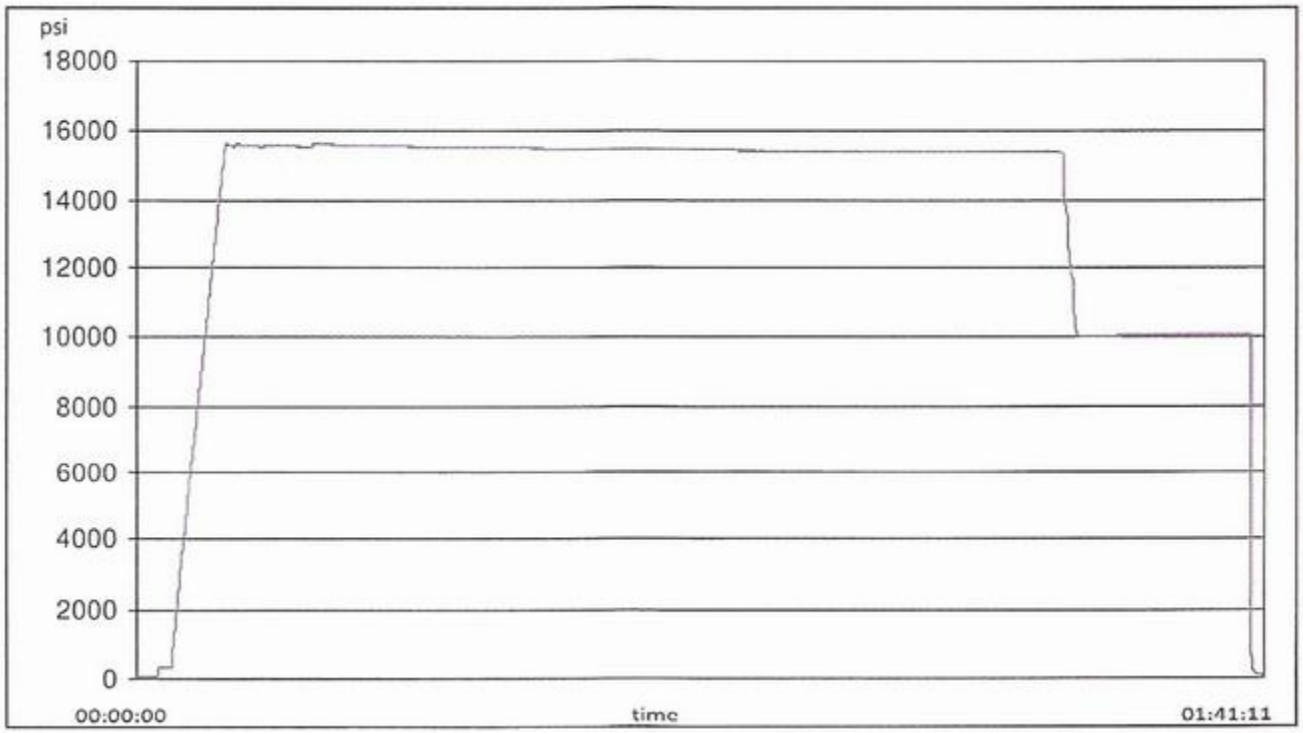
TEST REPORT

CUSTOMER			TEST OBJECT		
Company:	Nabors Industries Inc.		Serial number:	H3-012524-1	
			Lot number:		
Production description:	74621/66-1531		Description:	74621/66-1531	
Sales order #:	529480				
Customer reference:	FG1213		Hose ID:	3" 16C CK	
			Part number:		
TEST INFORMATION					
Test procedure:	GTS-04-053		Fitting 1:	3.0 x 4-1/16 10K	
Test pressure:	15000.00	psi	Part number:		
Test pressure hold:	3600.00	sec	Description:		
Work pressure:	10000.00	psi			
Work pressure hold:	900.00	sec	Fitting 2:	3.0 x 4-1/16 10K	
Length difference:	0.00	%	Part number:		
Length difference:	0.00	inch	Description:		
Visual check:			Length:	45	feet
Pressure test result:	PASS				
Length measurement result:					
Test operator:	Travis				



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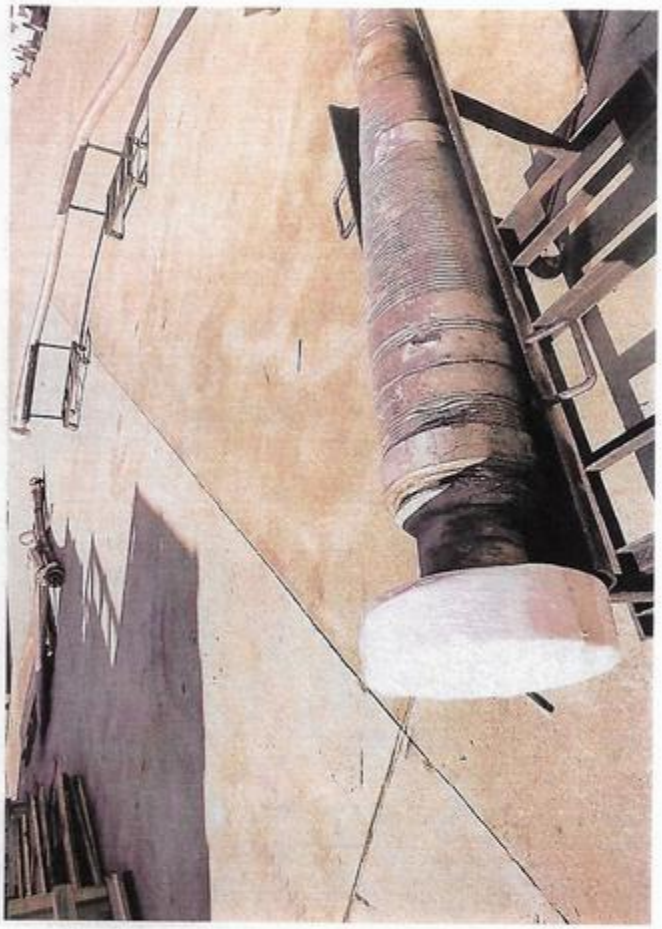
TEST REPORT

GAUGE TRACEABILITY

Description	Serial number	Calibration date	Calibration due date
S-25-A-W	110D3PHO	2023-06-06	2024-06-06
S-25-A-W	110IQWDG	2023-05-16	2024-05-16

Comment



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator:	OGRID:
XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	373075
	Action Number: 409705
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	1/15/2025
ward.rikala	Operator must comply with all of the R-111-Q requirements.	1/15/2025