Received by OCD: 8/13/2024 7:28:05 AM

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

Sundry Print Report

08/13/2024

Well Name: BIG EDDY UNIT

Well Location: T21S / R29E / SEC 7 / SWNW / 32.4957261 / -104.0220442

County or Parish/State: EDDY / NM

Well Number: 162

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMLC068284

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001536020

Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2799080

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 07/05/2024

Time Sundry Submitted: 02:38

Date proposed operation will begin: 08/05/2024

Procedure Description: XTO Permian Operating LLC., respectfully requests approval for plug and abandonment of the above mentioned well. Please see the attached P&A procedure, with current and proposed WBD's for your review.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

BEU_162_P_A_Procedure_w_Current_and_Proposed_WBDs_20240705143643.pdf

CONFIDENTIAL

Released to Imaging: 8/16/2024 3:51:24 PM

Well Name: BIG EDDY UNIT

Well Location: T21S / R29E / SEC 7 / SWNW / 32.4957261 / -104.0220442

County or Parish/State: EDDY / NM

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Allottee or Tribe Name:

Lease Number: NMLC068284

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001536020

Operator: XTO PERMIAN OPERATING LLC

Conditions of Approval

Specialist Review

Big_Eddy_Unit_162_Sundry_ID_2799080_P_A_20240812145855.pdf

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: SHERRY MORROW

Signed on: JUL 05, 2024 02:36 PM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Analyst

Street Address: 6401 HOLIDAY HILL ROAD BLDG 5

City: MIDLAND **State:** TX

Phone: (432) 218-3671

Email address: SHERRY.MORROW@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

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

Phone:

Email address:

BLM Point of Contact

BLM POC Name: LONG VO

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5759885402

BLM POC Email Address: LVO@BLM.GOV

Disposition: Approved

Disposition Date: 08/12/2024

Signature: Long Vo

PLUG AND ABANDON WELLBORE
BIG EDDY UNIT 162
EDDY COUNTY, NEW MEXICO
Class II

MASIP	MAOP	MAWP	Surface Csg Yield
1,000 psi	1,000 psi	3,000 psi	2730 PSI

SUMMARY: Plug and abandon wellbore according to BLM regulations.

1) MIRU plugging company. Set open top steel pit for plugging.

2) POOH LD rods and pump.

3) ND WH and NU 3K manual BOP. Function test BOP.

4) Unset the packer at 11,949.5'. POOH tbg.

5) MIRU WLU, RIH GR to 12,030'; RIH set CIBP at 12,010', pressure test to 500 PSI for 30 minutes; dump bail 35' **Class H** cement from 12,010' to 11,955'. WOC and tag to verify TOC. (T/ Perf)

6) Spot 55 SKS **Class H** cement from 11,650' to 11,200'. WOC and tag to verify TOC. (T/Atoka, T/Strawn)

7) Spot 25 SKS **Class H** cement from 10,000' to 9,800'. WOC and tag to verify TOC. (T/Wolfcamp)

8) Circulate with packer fluid.

9) MIRU WLU, perf 6 SPF from 8,610' - 8,635'

10) Swab well down until well is equalized.

11) MIRU SLU, set tandem pressure gauges at 8,620'.

12) Pull after 3 weeks.

13) MIRU WLU, RIH GR to 8,600'; RIH set CIBP at 8,570'; pressure test to 500 PSI for 30 minutes; dump bail 35' **Class H** cement from 8,570' to 8,535'. Pull tubing up to 8,535' and reverse circulate well clean. WOC and tag to verify TOC.

14) MIRU WLU, perf 6 SPF from 7,715' - 7,740'.

15) Swab well down until well is equalized.

16) MIRU SLU, set tandem pressure gauges at 7,725'.

17) Pull after 3 weeks.

18) MIRU WLU, RIH GR to 7,700'; RIH set CIBP at 7,650'; pressure test to 500 PSI for 30 minutes; dump bail 35' **Class H** cement from 7,650' to 7,615'. WOC and tag to verify TOC.

19) Spot 25 SKS **Class H** cement from 6,700' to 6500'. WOC and tag to verify TOC. (T/Bone Spring).

20) Spot 25 SKS Class C cement from 5,075' to 4,825'. WOC and tag to verify TOC. (T/Brushy Canyon)

21) Spot 25 SKS Class C cement from 4,000' to 3,750'. WOC and tag to verify TOC. (T/ Cherry Canyon)

22) Run CBL from 3,500' to surface.

23) Spot 25 SKS Class C cement from 3,150' to 2,900'. WOC and tag to verify TOC. (T/Delaware, T/Bell Canyon, Intermediate Casing Shoe 2)

24) MIRU WLU, perforate at 1,000'.

25) Circulate Class C cement from 1000' to surface. (~300 SKS) (Intermediate Casing Shoe 1, Surface Casing Shoe)

26) ND BOP and cut off wellhead 5' below surface. RDMO PU, transport trucks, and pump truck.

27) Set P&A marker.

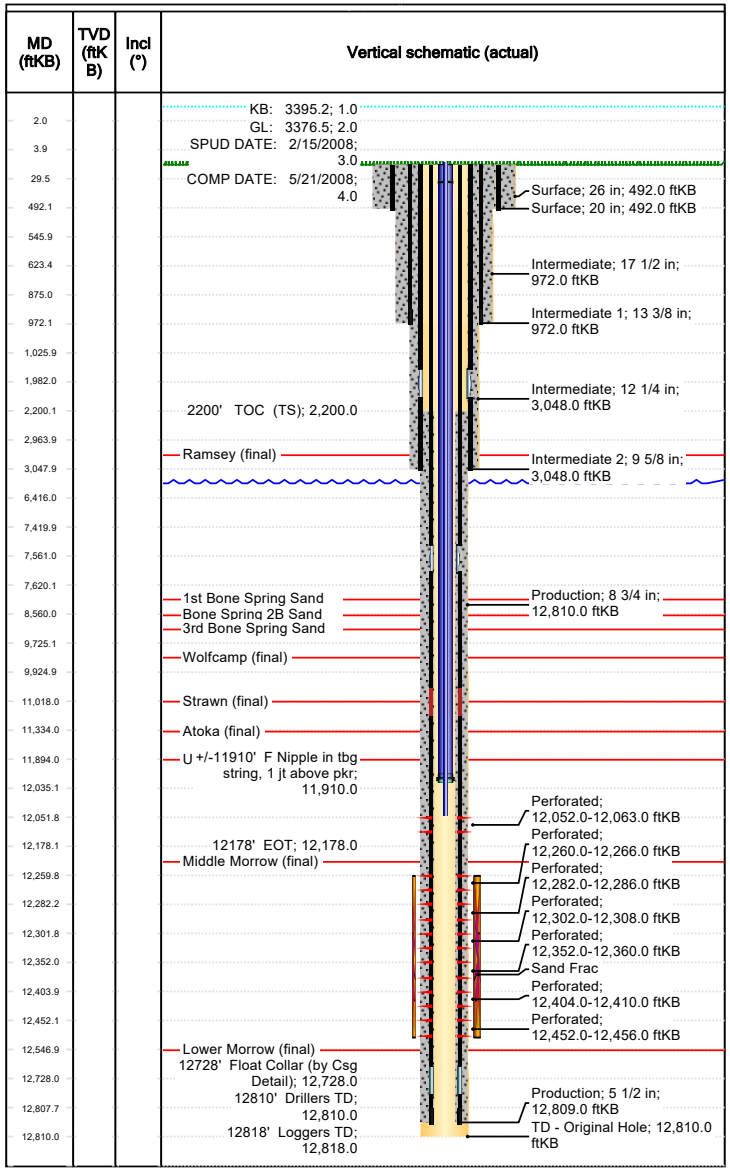
28) Pull fluid from steel tank and haul to disposal. Release steel tank.

Downhole Well Profile - with Schematic

Well Name: Big Eddy Unit 162

API/UWI	SAP Cost Center ID	Permit Number	State/Province	County
3001536020	1138691001		New Mexico	Eddy

Surface Location	Spud Date	Original KB Elevation (ft)	Ground Elevation (ft)	KB-Ground Distance (ft)	Surface Casing Flange Eleva
T21S R28E S03	9/15/2008 10:45	3,395.20	3,376.50	18.70	



Wellbores

Wellbore Name	Parent Wellbore	Wellbore API/UWI
Original Hole		

Start Depth (ftKB)	Profile Type

Section Des	Hole Sz (in)	Act Top (ftKB)	Act Btm (ftKB)
Surface	26	18.7	492.0
Intermediate	17 1/2	492.0	972.0
Intermediate	12 1/4	972.0	3,048.0
Production	8 3/4	3,048.0	12,810.0

Zones

Zone Name	Top (ftKB)	Btm (ftKB)	Current Status
Middle Morrow			
Upper Morrow			

Casing Strings

Csg Des	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade
Surface	492.0	20	133.00	K-55
Intermediate 1	972.0	13 3/8	54.50	J-55
Intermediate 2	3,048.0	9 5/8	40.00	J55
Production	12,809.0	5 1/2	17.00	HCP-110

Cement

Des	Type	Start Date	Top (ftKB)	Btm (ftKB)
Surface Casing Cement	Casing	2/16/2008	208.0	492.0
Top Out Cement	Casing	2/17/2008	18.7	208.0
Intermediate Casing Cement	Casing	2/20/2008	18.7	972.0
2nd Intermediate Casing Cement	Casing	2/27/2008	1,982.0	3,048.0
2nd Intermediate Casing Cement	Casing	2/27/2008	827.0	1,982.0
Top Out Cement	Casing	2/28/2008	18.7	827.0
Production Casing Cement	Casing	3/29/2008	7,561.0	12,809.0
Production Casing Cement	Casing	3/29/2008	2,200.0	7,561.0

Perforations

Date	Top (ftKB)	Btm (ftKB)	Linked Zone
9/19/2008	12,052.0	12,063.0	
5/15/2008	12,260.0	12,266.0	
5/15/2008	12,282.0	12,286.0	
5/15/2008	12,302.0	12,308.0	
5/15/2008	12,352.0	12,360.0	
5/15/2008	12,404.0	12,410.0	

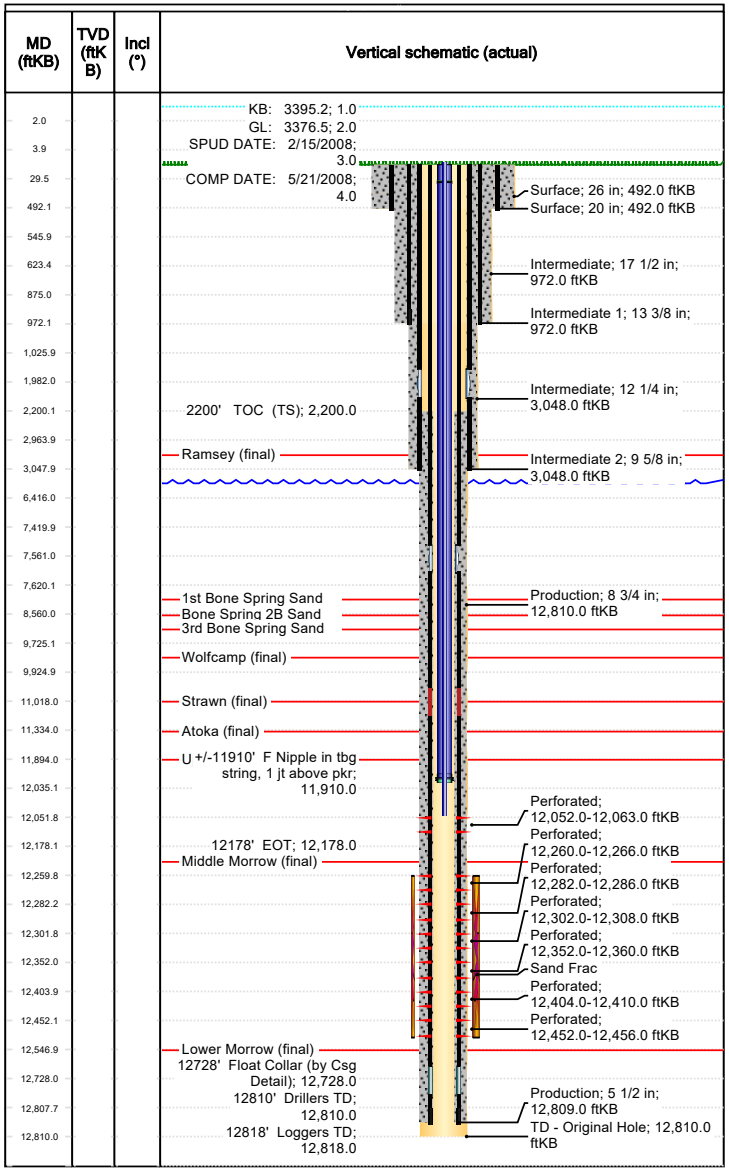
Released to Imaging: 8/16/2024 3:51:24 PM

Downhole Well Profile - with Schematic

Well Name: Big Eddy Unit 162

API/UWI	SAP Cost Center ID	Permit Number	State/Province	County
3001536020	1138691001		New Mexico	Eddy

Surface Location	Spud Date	Original KB Elevation (ft)	Ground Elevation (ft)	KB-Ground Distance (ft)	Surface Casing Flange Eleva
T21S R28E S07	5/15/2008 10:45	3,395.20	3,376.50	18.70	



Perforations

Date	Top (ftKB)	Btm (ftKB)	Linked Zone
5/15/2008	12,452.0	12,456.0	

Stimulation Intervals

Interval Number	Top (ftKB)	Btm (ftKB)	Pump Power Max (bbl/min)	MIR (bbl/min)	Proppant Total (lb)
1	12,260.0	12,456.0			0.0

BEU 162 - Proposed WBD

492’ Surface Casing Shoe

972’ Intermediate Casing Shoe 1

2200’ TOC

3048’ Intermediate Casing Shoe 2

3051’ T/Delaware, Bell Canyon

3890’ T/ Cherry Canyon

4974’ T/Brushy Canyon

6590’ T/Bone Spring

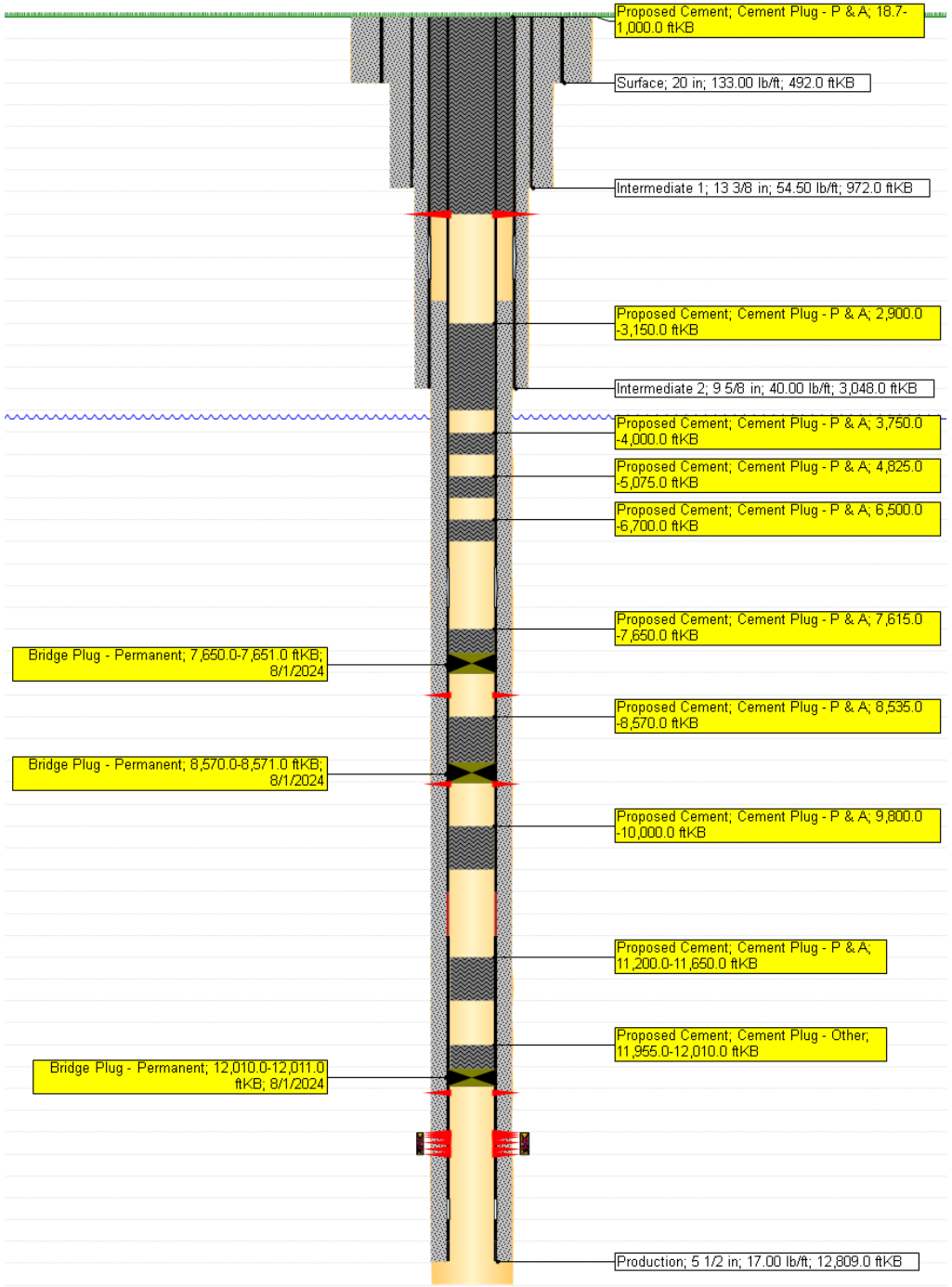
9880’ T/Wolfcamp

11304’ T/Strawn

11542’ T/Atoka

12052’ T/Perfs

12133’ T/Morrow



Perf and circulate 1,000’ to surface.

Spot 25 SKS Class C: 3,150’ to 2,900’. WOC and Tag.

Spot 25 SKS Class C: 4,000’ to 3,750’. WOC and Tag.

Spot 25 SKS Class C: 5,075’ to 4,825’. WOC and Tag.

Spot 25 SKS **Class H**: 6,700’ to 6500’. WOC and Tag.

Dump Bail 35’ **Class H** atop CIBP: 7,650’ to 7,615’. PT CIBP to 500 PSIG for 30 min. WOC and Tag.

Dump Bail 35’ **Class H** atop CIBP: 8,570’ to 8,535’. PT CIBP to 500 PSIG for 30 min. WOC and Tag.

Spot 25 SKS **Class H**: 10,000’ to 9,800’. WOC and Tag.

Spot 55 SKS **Class H**: 11,650’ to 11,200’. WOC and Tag.

Dump Bail 35’ **Class H** atop CIBP: 12,010’ to 11,955’. PT CIBP to 500 PSIG for 30 min. WOC and Tag.

AFMSS

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

Sundry Print Report

08/12/2024

Well Name: BIG EDDY UNIT	**Well Location:** T21S / R29E / SEC 7 / SWNW / 32.4957261 / -104.0220442	**County or Parish/State:** EDDY / NM
Well Number: 162	**Type of Well:** CONVENTIONAL GAS WELL	**Allottee or Tribe Name:**
Lease Number: NMLC068284	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 3001536020	**Operator:** XTO PERMIAN OPERATING LLC	

LONG VO
Digitally signed by LONG VO
Date: 2024.08.12 15:53:59 -05'00'

Notice of Intent

Sundry ID: 2799080

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 07/05/2024

Time Sundry Submitted: 02:38

Date proposed operation will begin: 08/05/2024

Procedure Description: XTO Permian Operating LLC., respectfully requests approval for plug and abandonment of the above mentioned well. Please see the attached P&A procedure, with current and proposed WBD's for your review.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

BEU_162_P_A_Procedure_w_Current_and_Proposed_WBDs_20240705143643.pdf

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

Well Name: BIG EDDY UNIT	**Well Location:** T21S / R29E / SEC 7 / SWNW / 32.4957261 / -104.0220442	**County or Parish/State:** EDDY / NM
Well Number: 162	**Type of Well:** CONVENTIONAL GAS WELL	**Allottee or Tribe Name:**
Lease Number: NMLC068284	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 3001536020	**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: SHERRY MORROW

Signed on: JUL 05, 2024 02:36 PM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Analyst

Street Address: 6401 HOLIDAY HILL ROAD BLDG 5

City: MIDLAND **State:** TX

Phone: (432) 218-3671

Email address: SHERRY.MORROW@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

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

Phone:

Email address:

Medium 350'

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. NMLC068284

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No. BIG EDDY UNIT/162

2. Name of Operator XTO PERMIAN OPERATING LLC

9. API Well No. 3001536020

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 GOLDEN LANE-MORROW/GOLDEN LANE-MORROW

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 7/T21S/R29E/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.)

XTO Permian Operating LLC., respectfully requests approval for plug and abandonment of the above mentioned well. Please see the attached P&A procedure, with current and proposed WBD's for your review.

14. I hereby certify that the foregoing is true and correct. Name *(Printed Typed)* SHERRY MORROW / Ph: (432) 218-3671

Title Regulatory Analyst

Signature (Electronic Submission)

Date 07/05/2024

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by Long Vo

Title Petroleum Engineer

Date 8/12/2024

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 CFO

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

Location of Well

0. SHL: SWNW / 1980 FNL / 2080 FEL / TWSP: 21S / RANGE: 29E / SECTION: 7 / LAT: 32.4957261 / LONG: -104.0220442 (TVD: 0 feet, MD: 0 feet)

BHL: SWNW / 1980 FNL / 2080 FEL / TWSP: 21S / SECTION: / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

PLUG AND ABANDON WELLBORE
BIG EDDY UNIT 162
EDDY COUNTY, NEW MEXICO
Class II

MASIP	MAOP	MAWP	Surface Csg Yield
1,000 psi	1,000 psi	3,000 psi	2730 PSI

SUMMARY: Plug and abandon wellbore according to BLM regulations.

1) MIRU plugging company. Set open top steel pit for plugging.

2) POOH LD rods and pump.

3) ND WH and NU 3K manual BOP. Function test BOP.

4) Unset the packer at 11,949.5'. POOH tbg.

5) MIRU WLU, RIH GR to 12,030'; RIH set CIBP at ~~12,010~~ 12002', pressure test to 500 PSI for 30 minutes; ~~dump bail 35'~~ **Class H** cement from ~~12,010' to 11,955'~~. WOC and tag to verify TOC. (T/ Perf) Spot 25 sks on top. (12002' to 11808')

6) Spot ~~55~~ 99 sxs SKS **Class H** cement from 11,650' to ~~11,200~~ 10852'. WOC and tag to verify TOC. (T/Atoka, T/Strawn)

7) Spot ~~25~~ 34 SKS **Class H** cement from 10,000' to ~~9,800~~ 9725'. WOC and tag to verify TOC. (T/Wolfcamp)

8) Circulate with packer fluid.

9) MIRU WLU, perf 6 SPF from 8,610' - 8,635'

10) Swab well down until well is equalized.

11) MIRU SLU, set tandem pressure gauges at 8,620'.

12) Pull after 3 weeks.

13) MIRU WLU, RIH GR to 8,600'; RIH set CIBP at ~~8,570~~ 8560'; pressure test to 500 PSI for 30 minutes; dump bail 35' **Class H** cement from ~~8,570' to 8,535~~'. Pull tubing up to 8,535' and reverse circulate well clean. WOC and tag to verify TOC. (8560' to 8525')

14) MIRU WLU, perf 6 SPF from 7,715' - 7,740'.

15) Swab well down until well is equalized.

16) MIRU SLU, set tandem pressure gauges at 7,725'.

17) Pull after 3 weeks.

Spot 27 sxs on top.

18) MIRU WLU, RIH GR to 7,700'; RIH set CIBP at 7,650'; pressure test to 500 PSI for 30 minutes; ~~dump bail 35'~~ **Class H** cement from ~~7,650' to 7,615'~~. WOC and tag to verify TOC. (7450' to 7435')

19) Spot 25 SKS **Class ~~H~~ C** cement from 6,700' to 6500'. WOC and tag to verify TOC. (T/Bone Spring).

20) Spot 25 SKS Class C cement from 5,075' to 4,825'. WOC and tag to verify TOC. (T/Brushy Canyon)

21) Spot 25 SKS Class C cement from 4,000' to 3,750'. WOC and tag to verify TOC. (T/ Cherry Canyon)

22) Run CBL from 3,500' to surface.

23) Spot 25 SKS Class C cement from 3,150' to 2,900'. WOC and tag to verify TOC. (T/Delaware, T/Bell Canyon, Intermediate Casing Shoe 2)

24) MIRU WLU, perforate at ~~1,000~~'. 1490'

25) Circulate Class C cement from ~~1000~~ 1490' to surface. (~~300~~ 443 SKS) (Intermediate Casing Shoe 1, Surface Casing Shoe) (In 148 sxs/Out 295 sxs)

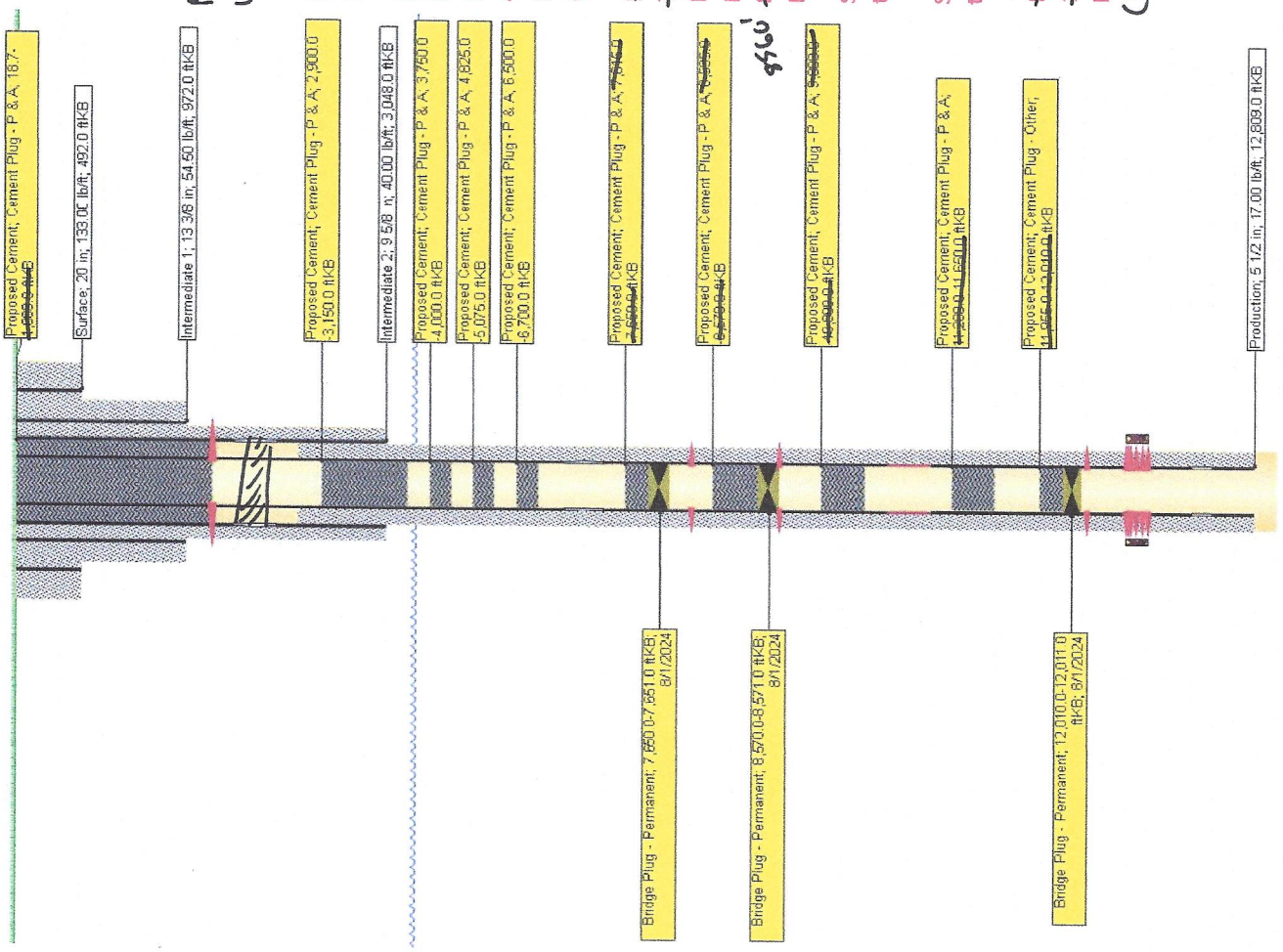
26) ND BOP and cut off wellhead 5' below surface. RDMO PU, transport trucks, and pump truck.

27) Set P&A marker.

28) Pull fluid from steel tank and haul to disposal. Release steel tank.

↳ Perf & Sqz from 2032' to 1865'. WOC & TAG. (In 17 sxs / Out 33 sxs)

BEU 162 - Proposed WBD



Perf and circulate ~~1,000~~ 1440' to surface. ≈ 443 sxs (In 148 sxs/Out 295 sxs)

Perf & Sqz. from 2032' to 1865'. WOC & TAG. (In 175xs/Out 33 sxs)

Spot 25 SKS Class C: 3,150' to 2,900'. WOC and Tag.

Spot 25 SKS Class C: 4,000' to 3,750'. WOC and Tag.

Spot 25 SKS Class C: 5,075' to 4,825'. WOC and Tag.

Spot 25 SKS **Class H**: 6,700' to 6500'. WOC and Tag.

Spot 27 sxs

~~Dump Bail 35'~~ **Class H** atop CIBP: ~~7,650' to 7,615'~~. PT CIBP to 500 PSIG for 30 min. WOC and Tag. (7650' to 7435')

Dump Bail 35' **Class H** atop CIBP: ~~8,570' to 8,535'~~. PT CIBP to 500 PSIG for 30 min. WOC and Tag. (8650' to 8535')

9760'

Spot 25 SKS **Class H**: 10,000' to ~~9,800'~~. WOC and Tag. (10,000' to 9725')

Spot 50 SKS **Class H**: 11,650' to ~~11,200'~~. WOC and Tag. (11650' to 10852')

Spot 25 sxs

~~Dump Bail 35'~~ **Class H** atop CIBP: ~~12,010' to 11,955'~~. PT CIBP to 500 PSIG for 30 min. WOC and Tag. (12,000' to 11908')

492' Surface Casing Shoe

972' Intermediate Casing Shoe 1

2200' TOC

3048' Intermediate Casing Shoe 2

3051' T/Delaware, Bell Canyon

3890' T/ Cherry Canyon

4974' T/Brushy Canyon

6590' T/Bone Spring

9880' T/Wolfcamp

11304' T/Strawn

11542' T/Atoka

12052' T/Perfs

12133' T/Morrow

Released to Imaging: 8/16/2024 3:51:24 PM

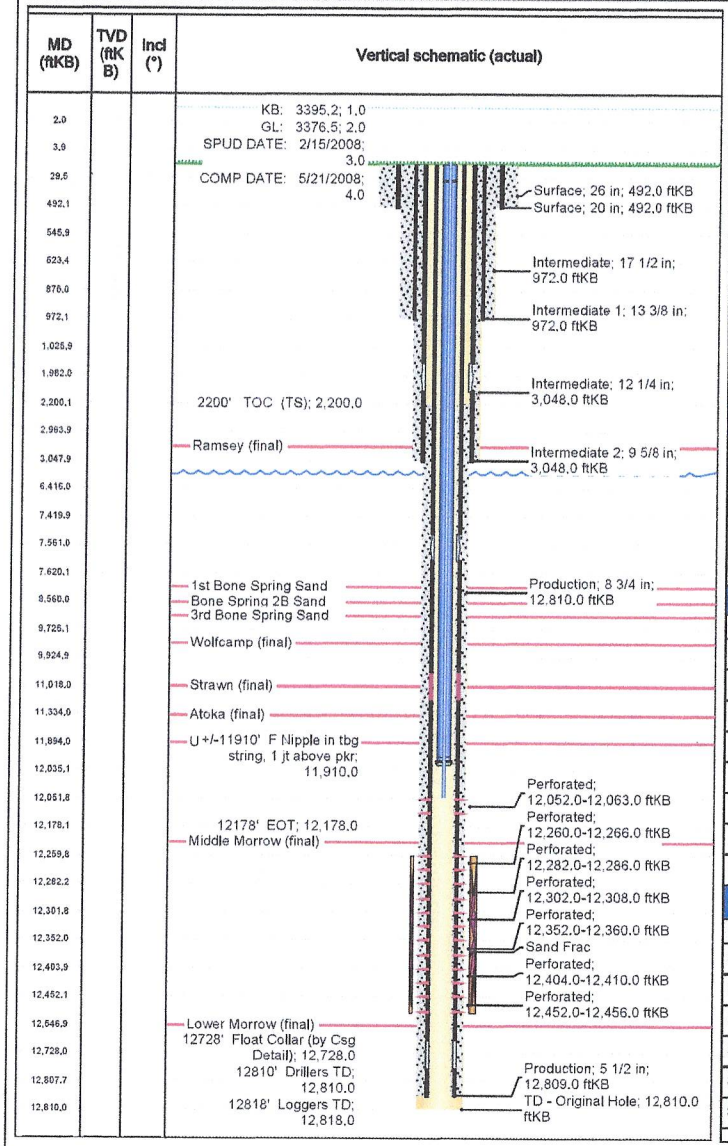
Received by OCD: 8/13/2024 7:28:05 AM

Downhole Well Profile - with Schematic

Well Name: Big Eddy Unit 162

API/UWI	SAP Cost Center ID	Permit Number	State/Province	County
3001536020	1138691001		New Mexico	Eddy

Surface Location	Spud Date	Original KB Elevation (ft)	Ground Elevation (ft)	KB-Ground Distance (ft)	Surface Casing Flange Elev
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	



Wellbores

Wellbore Name	Parent Wellbore	Wellbore API/UWI
Original Hole		

Start Depth (ftKB)	Profile Type

Section Des	Hole Sz (in)	Act Top (ftKB)	Act Btm (ftKB)
Surface	26	18.7	492.0
Intermediate	17 1/2	492.0	972.0
Intermediate	12 1/4	972.0	3,048.0
Production	8 3/4	3,048.0	12,810.0

Zones

Zone Name	Top (ftKB)	Btm (ftKB)	Current Status
Middle Morrow			
Upper Morrow			

Casing Strings

Csg Des	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade
Surface	492.0	20	133.00	K-55
Intermediate 1	972.0	13 3/8	54.50	J-55
Intermediate 2	3,048.0	9 5/8	40.00	J55
Production	12,809.0	5 1/2	17.00	HCP-110

Cement

Des	Type	Start Date	Top (ftKB)	Btm (ftKB)
Surface Casing Cement	Casing	2/16/2008	208.0	492.0
Top Out Cement	Casing	2/17/2008	18.7	208.0
Intermediate Casing Cement	Casing	2/20/2008	18.7	972.0
2nd Intermediate Casing Cement	Casing	2/27/2008	1,982.0	3,048.0
2nd Intermediate Casing Cement	Casing	2/27/2008	827.0	1,982.0
Top Out Cement	Casing	2/28/2008	18.7	827.0
Production Casing Cement	Casing	3/29/2008	7,561.0	12,809.0
Production Casing Cement	Casing	3/29/2008	2,200.0	7,561.0

Perforations

Date	Top (ftKB)	Btm (ftKB)	Linked Zone
9/19/2008	12,052.0	12,063.0	
5/15/2008	12,260.0	12,266.0	
5/15/2008	12,282.0	12,286.0	
5/15/2008	12,302.0	12,308.0	
5/15/2008	12,352.0	12,360.0	
5/15/2008	12,404.0	12,410.0	

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Downhole Well Profile - with Schematic

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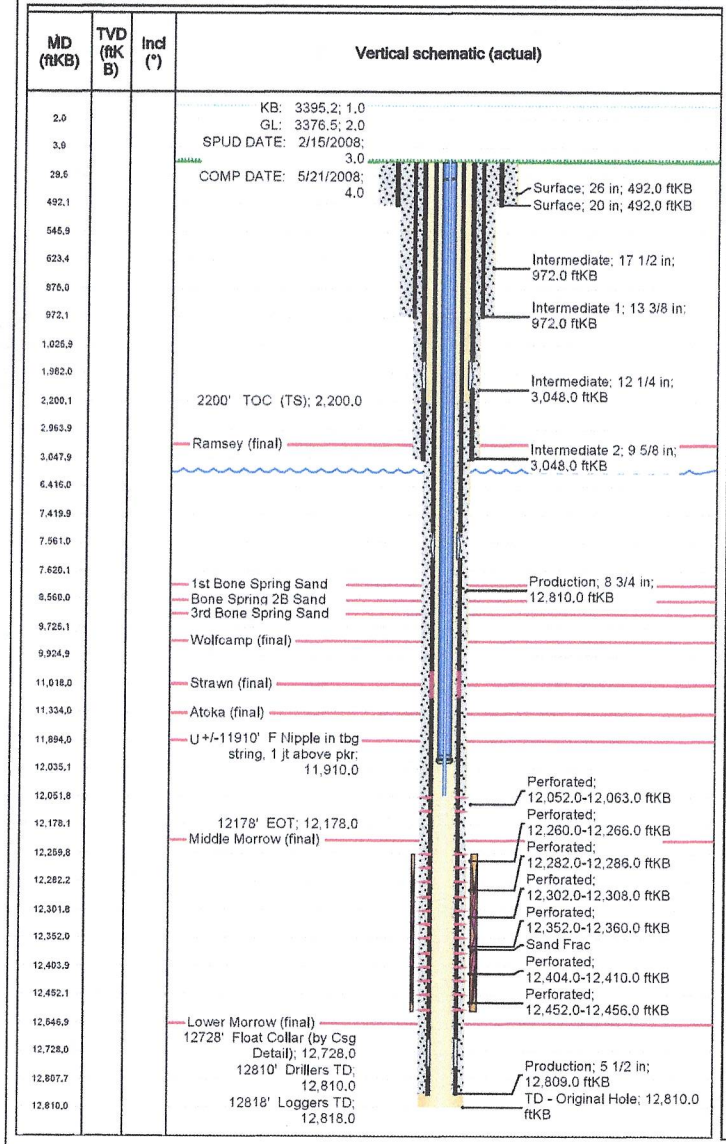
Surface Location	Spud Date	Original KB Elevation (ft)	Ground Elevation (ft)	KB-Ground Distance (ft)	Surface Casing Flange Elev
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	



Perforations

Date	Top (ftKB)	Btm (ftKB)	Linked Zone
5/15/2008	12,452.0	12,456.0	

Stimulation Intervals

Interval Number	Top (ftKB)	Btm (ftKB)	Pump Power Max (bbl/min)	MIR (bbl/min)	Proppant Total (lb)
1	12,260.0	12,456.0			0.0

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Permanent Abandonment of Federal Wells
Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within **ninety (90)** days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. **Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-689-5981.**

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **fresh** water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours for Class C or accelerated cement (calcium chloride) and 6 hours for Class H. Tagging the plug means running in the hole with a string of tubing or drill pipe and placing sufficient weight on the plug to ensure its integrity. Other methods of tagging the plug may be approved by the BLM authorized officer or BLM field representative.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

Fluid used to mix the cement in R111Q shall be saturated with the salts common to the section penetrated, and in suitable proportions but not less than 1% and not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified *BY PHONE* (numbers listed in 2. Notifications) a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.**
The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds). A weep hole shall be left if a metal plate is welded in place.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 E. Greene St.
Carlsbad, New Mexico 88220-6292
www.blm.gov/nm

In Reply Refer To: 1310

Reclamation Objectives and Procedures

Reclamation Objective: Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo “interim” reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo “final” reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its pre-disturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any/all contaminants, scrap/trash, equipment, pipelines and powerlines (**Contact service companies, allowing plenty of time to have the risers and power lines and poles removed prior to reclamation, don’t wait till the last day and try to get them to remove infrastructure)**. Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip (across the slope and seed as specified in the original APD COA. **This will apply to well pads, facilities, and access roads**. Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.

2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.

3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.

4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you have issues or

concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.

5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.

6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.

7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos
Supervisory Petroleum Engineering Tech/Environmental Protection Specialist
575-234-5909 (Office), 575-361-2648 (Cell)

Arthur Arias
Environmental Protection Specialist
575-234-6230

Crisha Morgan
Environmental Protection Specialist
575-234-5987

Jose Martinez-Colon
Environmental Protection Specialist
575-234-5951

Mark Mattozzi
Environmental Protection Specialist
575-234-5713

Robert Duenas
Environmental Protection Specialist
575-234-2229

Doris Lauger Martinez
Environmental Protection Specialist
575-234-5926

Jaden Johnston
Environmental Protection Asst. (Intern)
575-234-6252

Sundry ID **2799080**

Plug Type	Top	Bottom	Length	Tag	Sacks	Cement Class	Notes
Surface Plug	0.00	100.00	100.00	Tag/Verify			
Fresh Water @ 350	296.50	400.00	103.50	If solid			
20 inch- Shoe Plug	437.08	542.00	104.92	Tag/Verify			
13.375 inch- Shoe Plug	912.28	1022.00	109.72	Tag/Verify			
Top of Salt @ 1440	1375.60	1490.00	114.40	Tag/Verify	443.00	C	Perf and squeeze from 1490' to surface. (In 148 sxs/Out 295 sxs) Verify at surface.
Yates @ 1935	1865.65	1985.00	119.35	If solid			
DV tool plug	1912.18	2032.00	119.82	Tag/Verify	50.00	C	Perf and squeeze from 2032' to 1865'. WOC and Tag. (In 17 sxs/Out 33 sxs)
Delaware @ 3040	2959.60	3090.00	130.40	If solid			
9.625 inch- Shoe Plug	2967.52	3098.00	130.48	Tag/Verify	25.00	C	Spot cement from 3150' to 2900'. WOC and Tag.
Spacer Plug @ 5025	4924.75	5075.00	150.25	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	25.00	C	Spot cement from 5075' to 4924'.
Bonesprings @ 6616	6499.84	6666.00	166.16	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	25.00	C	Spot cement from 6700' to 6500'.
DV tool plug	7435.39	7611.00	175.61	Tag/Verify			
Perforations Plug (If No CIBP)	7612.60	7790.00	177.40	Tag/Verify			

CIBP Plug	7615.00	7650.00	35.00	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	27.00	H	Set CIBP at 7650'. Spot cement from 7650' to 7435'. WOC and Tag
Perforations Plug (If No CIBP)	8498.65	8685.00	186.35	Tag/Verify			
CIBP Plug	8525.00	8560.00	35.00	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	5.00	H	Set CIBP at 8560'. Leak Test CIBP. Dump bail 35' on top.
Wolfcamp @ 9874	9725.26	9924.00	198.74	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	34.00	H	Spot cement from 10000' to 9725'.
Strawn @ 11013	10852.87	11063.00	210.13	base no need to Tag			

Atoka @ 11334	11170.66	11384.00	213.34	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	99.00	H	Spot cement from 11650' to 10852'.
Morrow @ 11978	11808.22	12028.00	219.78	If solid			
Perforations Plug (If No CIBP)	11882.47	12103.00	220.53	Tag/Verify			
CIBP Plug	11967.00	12002.00	35.00	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	25.00	C	Set CIBP at 12002'. Spot 25 sxs on top. Leak test CIBP. Run CBL from 3500' to surface.
Perforations Plug (If No CIBP)	12210.00	12506.00	296.00	Tag/Verify			
5.5 inch- Shoe Plug	12630.91	12859.00	228.09	Tag/Verify			

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.
Class H >7500'
Class C<7500'

Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

Medium, Secretary: Top of salt to surface If no salt take the deepest fresh water or Karst Depth

High, Critical: Bottom of Karst to surface or Deepest fresh water, whichever is greater
R111P: 50 Feet from Base of Salt to surface.

Class C: 1.32 ft^3/sx
Class H: 1.06 ft^3/sx

Onshore Order 2.III.G Drilling Abandonment Requirements: "All formations bearing usable-quality water, oil, gas, or geothermal resources, and/or a prospectively valuable deposit of minerals shall be protected.

Top of Salt to surface

Cave Karst/Potash Cement Requirement:	**Medium**		
20 inch- Shoe Plug @	**492.00**		
13.375 inch- Shoe Plug @	**972.00**		
9.625 inch- Shoe Plug @	**3048.00**		
5.5 inch- Shoe Plug @	**12809.00**	**TOC @**	**2200.00**
Perforatons Top @	**12052.00**	**Perforations**	**12053.00**
Perforatons Top @	**12260.00**	**Perforations**	**12456.00**
Perforatons Top @	**8610.00**	**Perforations**	**8635.00**
Perforatons Top @	**7715.00**	**Perforations**	**7740.00**
DV Tool @	**1982.00**	**CIBP @**	**12002.00**
DV Tool @	**7561.00**		
		CIBP @	**8560.00**
		CIBP @	**7650.00**

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 373225

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 373225
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	Run CBL from 12002' to surface.....CBL must be submitted to OCD via OCD Permitting prior to submitting C-103P	8/16/2024