Received by UCD: \$/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

Date Sundry Submitted: 07/05/2024

Date proposed operation will begin: 08/05/2024

Type of Action: Plug and Abandonment Time Sundry Submitted: 02:38

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

eceived by OCD: 8/13/2024 7:28:05 AM Well Name: BIG EDDY UNIT	Well Location: T21S / R29E / SEC SWNW / 32.4957261 / -104.0220442	
Well Number: 162	Type of Well: CONVENTIONAL GA WELL	S Allottee or Tribe Name:
Lease Number: NMLC068284	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001536020	Operator: XTO PERMIAN OPERATI	ING
Conditions of Approv	al	
pecialist Review		
Big_Eddy_Unit_162_Sundry_ID_2799	9080_P_A_20240812145855.pdf	
Operator		
crime for any person knowingly and wi	llfully to make to any department or age tions as to any matter within its jurisdicti	d Title 43 U.S.C. Section 1212, make it a ncy of the United States any false, fictitiou ion. Electronic submission of Sundry
Operator Electronic Signature: SHE	RRY MORROW	Signed on: JUL 05, 2024 02:36 PM
Name: XTO PERMIAN OPERATING L	LC	
Title: Regulatory Analyst		
Street Address: 6401 HOLIDAY HILL	ROAD BLDG 5	
City: MIDLAND S	tate: TX	

Phone: (432) 218-3671	
Email address: SHERRY.MORROW@EXXONMOBIL.CO	ЭМ

State:

Field

Representative Name: Street Address: City: Phone:

Email address:

BLM Point of Contact	
BLM POC Name: LONG VO	
BLM POC Phone: 5759885402	
Disposition: Approved	
Signature: Long Vo	

Zip:

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

Ī	MASIP	ΜΑΟΡ	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.
- 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.
- 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

ΕN		Y			Well Name: Big I	Eddy Unit	162					
API/UW		20	SAP Cost Center ID 1138691001		tate/Province Iew Mexico		Count Eddy					
Surface				S	pud Date Orig	inal KB Elevation	(ft) Groun	d Elevation (ft)	KB-G	round Distance (ft)	Surface	Casing Flange Elev
TOIC					Wellbores		10.07		40-7			
MD (ftKB)	TVD (ftK B)	Inci (°)	Vertical sche	ematic (actual)	Wellbore Name Original Hole		Parent Wellb	oore		Wellbore API/	JWI	
2.0			KB: 3395.2; 1.0 GL: 3376.5; 2.0		Start Depth (ftKB)			Profi	ile Type			
3.9			SPUD DATE: 2/15/2008; 3.0		Section Des		Hole Sz (in)		Act Top		Act	Btm (ftKB)
29.5			COMP DATE: 5/21/2008; 4.0	Surface; 26 in; 492.0 ftKB	Surface			26		18.7		492.0
492.1				Surface; 20 in; 492.0 ftKB	Intermediate			17 1/2		492.0		972.0
545.9					Intermediate			12 1/4		972.0		3,048.0
623.4 875.0	1			Intermediate; 17 1/2 in; 972.0 ftKB	Production			8 3/4		3,048.0		12,810.0
972.1				Intermediate 1; 13 3/8 in;	Zones Zone Name		Top (ftKB)		Btm (i	ft// P)	Cur	rent Status
1,025.9					Middle Morrow				Bull (I		Cui	
1,982.0				Intermediate; 12 1/4 in;	Upper Morrow							
2,200.1			2200' TOC (TS); 2,200.0	3,048.0 ftKB	Casing Strings							
2,963.9			— Ramsey (final) ————	Intermediate 2; 9 5/8 in;	Csg Des	Set Depth (f	tKB)	OD (in)		Wt/Len (lb/ft)		Grade
6.416.0				3,048.0 ftKB	Surface		492.0		20		00 K-55	
7.419.9					Intermediate 1		972.0		13 3/8		50 J-55	
7,561.0					Intermediate 2	;	3,048.0		9 5/8	40.	00 J55	
7,620.1				Production; 8 3/4 in;	Production	1:	2,809.0		5 1/2	17.	00 HCP-	-110
8,560.0			Hone Spring Sand Hone Spring 2B Sand Hone Spring 2B Sand Hone Spring Sand Hone Spring Sand	12,810.0 ftKB	Cement							
9,725.1					Des		Туре		Start Date	Top (ft	,	Btm (ftKB)
9,924.9					Surface Casing Cem	ent	Casing		6/2008		208.0	492.0
11,018.0			— Strawn (final) ————		Top Out Cement		Casing		/2008		18.7	208.0
11,334.0			— Atoka (final) ————		Intermediate Casing		Casing		/2008		18.7	972.0
11,894.0			— U +/-11910' F Nipple in tbg string, 1 jt above pkr;		2nd Intermediate Cas	-	Casing		/2008	1	,982.0	3,048.0
12,035.1			11,910.0	Perforated;	2nd Intermediate Cas	sing Cement	Casing		/2008		827.0	1,982.0
12,051.8			12178' EOT; 12,178.0	12,052.0-12,063.0 ftKB Perforated;	Top Out Cement		Casing		8/2008		18.7	827.0
12,178.1			- Middle Morrow (final)	12,260.0-12,266.0 ftKB Perforated;	Production Casing C		Casing		/2008		,561.0	12,809.0
12,282.2				12,282.0-12,286.0 ftKB Perforated;	Production Casing C	ement	Casing	3/29	/2008	2	,200.0	7,561.0
12,301.8				12,302.0-12,308.0 ftKB Perforated;	Perforations							
12,352.0				12,352.0-12,360.0 ftKB	Date 9/19/2008	Top (ftKE	,	Btm (ftKB)		Li	nked Zone	
12,403.9				Perforated; 12,404.0-12,410.0 ftKB	5/15/2008		2,052.0		,063.0			
12,452.1				Perforated; 12,452.0-12,456.0 ftKB	5/15/2008				,266.0			
12,546.9			— Lower Morrow (final) 12728' Float Collar (by Csg		5/15/2008		2,282.0					
12,728.0			Detail); 12,728.0 12810' Drillers TD;	Production; 5 1/2 in;			2,302.0		,308.0			
12,807.7			12,810.0	12,809.0 ftKB TD - Original Hole; 12,810.0	5/15/2008		2,352.0		,360.0			
- 12,810.0			12818' Loggers TD; 12,818.0	ftKB	5/15/2008	12	2,404.0	12	,410.0			
VTO					Barra 1/	•						oort Drintod

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

Page 1/2

Report Printed:

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 TOAC DOOF OO 4 = 1000 40 70 Perforations TVD MD Incl Date Top (ftKB) Btm (ftKB) Linked Zone (ftK Vertical schematic (actual) (ftKB) (°) Ъ) 5/15/2008 12,452.0 12,456.0 Stimulation Intervals KB: 3395.2; 1.0 2.0 GL: 3376.5; 2.0 Pump Power Max SPUD DATE: 2/15/2008; 3.9 Top (ftKB) Interval Number Btm (ftKB) MIR (bbl/min) Proppant Total (lb) (bbl/min) 3.0 12,260.0 12,456.0 0.0 29.5 COMP DATE: 5/21/2008: Surface; 26 in; 492.0 ftKB 4.0 492.1 -Surface; 20 in; 492.0 ftKB 545.9 623.4 Intermediate; 17 1/2 in; 972.0 ftKB 875.0 Intermediate 1; 13 3/8 in; 972.1 972.0 ftKB 1,025.9 1.982.0 Intermediate: 12 1/4 in: 3.048.0 ftKB 2200' TOC (TS); 2,200.0 2.200.1 2,963.9 Ramsey (final) Intermediate 2: 9 5/8 in: 3,047.9 3,048.0 ftKB 6,416.0 7,419.9 7,561.0 7 620 1 Production; 8 3/4 in; 1st Bone Spring Sand 8,560.0 Bone Spring 2B Sand 12,810.0 ftKB -3rd Bone Spring Sand 9,725.1 -Wolfcamp (final) 9,924.9 11,018.0 - Strawn (final) 11,334.0 - Atoka (final) U +/-11910' F Nipple in tbg 11,894.0 string, 1 jt above pkr; 12,035.1 11.910.0 Perforated: 12,051.8 12,052.0-12,063.0 ftKB Perforated; 12178' EOT: 12.178.0 12,178.1 12,260.0-12,266.0 ftKB - Middle Morrow (final) Perforated; 12,259.8 12,282.0-12,286.0 ftKB Perforated; 12,282.2 12,302.0-12,308.0 ftKB 12,301.8 Perforated: 12,352.0-12,360.0 ftKB 12,352.0 Sand Frac Perforated; 12,403.9 12,404.0-12,410.0 ftKB Perforated: 12.452.1 12.452.0-12.456.0 ftKB - Lower Morrow (final) -12,546.9 12728' Float Collar (by Cso 12,728.0 Detail); 12,728.0 Production; 5 1/2 in; 12810' Drillers TD; 12,807.7 12.809.0 ftKB . 12.810.0 TD - Original Hole; 12,810.0 12818' Loggers TD; 12.810.0 ftKB 12,818.0

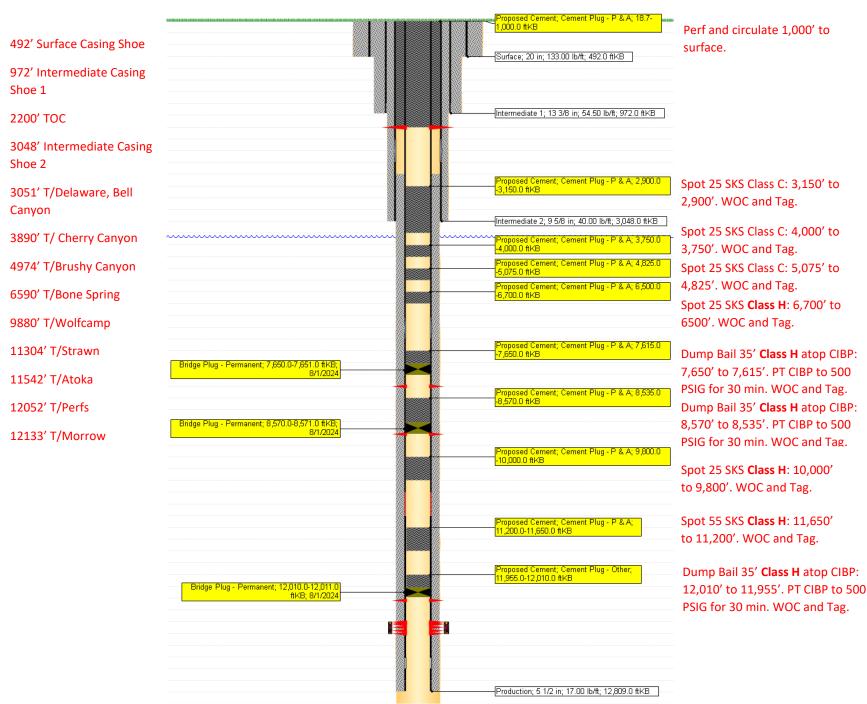
| XTO Energy Released to Imaging: 8/16/2024 3:51:24 PM

Page 2/2

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

Page 7 of 26

BEU 162 - Proposed WBD



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

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

WAFMSS		Sundry Print Report
U.S. Department of the Interior BUREAU OF LAND MANAGEMENT		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	



Notice of Intent

Sundry ID: 2799080

Type of Submission: Notice of Intent

Date Sundry Submitted: 07/05/2024

Date proposed operation will begin: 08/05/2024

Type of Action: Plug and Abandonment

Time Sundry Submitted: 02:38

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

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

	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:
and the second se	Lease Number: NMLC068284	Unit or CA Name:	Unit or CA Number:
and the second s	US Well Number: 3001536020	Operator: XTO PERMIAN OPERATING	

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

State:

Field

Representative Nan	ie:	
Street Address:		
City:		
Phone:		
Email address:		

Zip:

Form 3160-5 (June 2019) DE	UNITED STATES PARTMENT OF THE INTERIOR			0	DRM APPROVED MB No. 1004-0137 res: October 31, 2021
BUR	EAU OF LAND MANAGEMEN	Г		5. Lease Serial No.	MLC068284
Do not use this	NOTICES AND REPORTS ON form for proposals to drill or Use Form 3160-3 (APD) for se	to re-enter an		6. If Indian, Allottee or	Tribe Name
	TRIPLICATE - Other instructions on pa			7. If Unit of CA/Agree	ment, Name and/or No.
1. Type of Well					
Oil Well Gas V	hannad			8. Well Name and No.	BIG EDDY UNIT/162
2. Name of Operator XTO PERMIAN				9. API Well No. 30015	
3a. Address 6401 HOLIDAY HILL R	OAD BLDG 5, MIDLAND, ^{3b. Phone No.} (432) 683-2). (include area code 277	9	10. Field and Pool or E	xploratory Area DRROW/GOLDEN LANE-MORROW
4. Location of Well <i>(Footage, Sec., T., I</i> SEC 7/T21S/R29E/NMP				11. Country or Parish, EDDY/NM	
12. CHF	CK THE APPROPRIATE BOX(ES) TO I	NDICATE NATURE	OF NOTIO	CE, REPORT OR OTH	ER DATA
TYPE OF SUBMISSION			PE OF ACT		
✓ Notice of Intent		epen draulíc Fracturing	Produ	uction (Start/Resume) mation	Water Shut-Off Well Integrity
Subsequent Report		w Construction	(managed)	mplete	Other
Final Abandonment Notice		g and Abandon g Back		orarily Abandon Disposal	
completed. Final Abandonment No is ready for final inspection.) XTO Permian Operating LLC. P&A procedure, with current a	Il be performed or provide the Bond No. on ons. If the operation results in a multiple co tices must be filed only after all requirement respectfully requests approval for plug and proposed WBD's for your review.	mpletion or recompl nts, including reclam	letion in a r ation, have	new interval, a Form 31 been completed and th	60-4 must be filed once testing has been e operator has detennined that the site
14. I hereby certify that the foregoing is SHERRY MORROW / Ph: (432) 21	true and correct. Name (Printed Typed) 8-3671	Regulatory Title	Analyst		
(Electronic Submissic	in)	Date		07/05/202	24
	THE SPACE FOR FED	ERAL OR ST	ATE OFI	CE USE	
Approved by Long Vo	2~~~~	Title Pet	roleum	Engineer	nte 8/12/2024-
Conditions of approval, if any, are attacl certify that the applicant holds legal or c which would entitle the applicant to con	ed. Approval of this notice does not warran quitable title to those rights in the subject 1 duct operations thereon.	ango logo	FG		
Title 18 U.S.C Section 1001 and Title 43 any false, fictitious or fraudulent stateme	3 U.S.C Section 1212, make it a crime for a ents or representations as to any matter with	ny person knowingl nin its jurisdiction.	y and willf	ally to make to any dep	artment or agency of the United States

(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 of this form to U.S. Department of the Interior, Bureau of Land 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)

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

(Form 3160-5, page 3)

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.

12002

- 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) 51 AS \$55 on 101 (12,000) + 11808')
 49. 555
- 6) Spot 55 SKS Class H cement from 11,650' to 11,200'. WOC and tag to verify TOC. (T/Atoka, T/Strawn)
 - 9725
- 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.

8560

- 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. (\$566' 4, \$555')
- 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. (7650' to 7435') C 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'. \440' 443 1490' 25) Circulate Class C cement from 1000' to surface. (~300 SKS) (Intermediate Casing Shoe 1, Surface Casing Shoe) (In 148 5x5/out 295 5x5) 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. & Sq2 from 2032' to 1865'. WOC&TAte. (In 17 sxs/out 33 xxs) la Perf

Received by	Perf and circulate 1,000' to surface. 2: 443,5x5 (In 148 256/004 2065)	rert &	Spot 2 2,900' 2,900' 3,750' 3,750'	4,825'. WOC and Tag. Spot 25 SKS Class H : 6,700' to 6500'. WOC and Tag. 5,0°T 2.7 3x's Dump Bail 35' Class H atop CIBP: 7,650' to 7,645'. PT CIBP to 500 (7 650' 1'v 7435')		Spot 25 SKS Class H : 11,650' to <u>11,200</u> '. WOC and Tag. C (1 656' Au 10 85a') 510 ² 25 545 Dump Bail 35' Class H atop CIBP: <u>12,010' to 11,955'</u> . PT CIBP to 500 PSIG for 30 min. WOC and Tag. (10-604' Jo 11,905')	Page 15 of 26
62 - Proposed WBD	Proposed Cement, Cement Plug - P & A 18.7- Lecto a Nut: Surface, 20 In, 133 0C Ibrit, 492.0 IIKB	Intermediate 1; 13 3/6 in; 54.50 lb/ft, 9/2.0 ft/cB	Proposed Cement, Cement Plug - P & A, 2,900 U 3.1500 H/E Intermediate 2: 9 5/8 n, 40.00 lb/ft; 3,0480 H/E Proposed Cement, Cement Plug - P & A, 3,750 U Proposed Cement, Cement Plug - P & A, 4,825 U Proposed Cement, Cement Plug - P & A, 4,825 U	Proposed Cement: Cement Plug - P & A, 6,500 D	Proposed Cement, Cement Plug - P & A Transmered Sphotoata (C) Sphotoata (C	Proposed Cernent, Cernent Plug - P & A. Herseon - LESOD rHB Proposed Cernent, Cernent Plug - Other, Under 0 Other, Cernent Plug - Other,	Froduction, 5 1/2 in, 17.00 lb/t, 12.809.0 fkB
BEU 162 -				Bridge Plug - Permanent, 7,650 0.7,851 0 ที่K45	Bridge Plug - Permanent, 8,5/0.0-8,5/10 ft/kB, 8//2024	Bridge Plug - Permanent, 12,010,0-12,011,0 nKB: 50/2024	
	492' Surface Casing Shoe 972' Intermediate Casing	2200' TOC 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

			Well Name: Big	Big Eddy Unit 162	162			
API/UWI 3001536020	SAP Cost Center ID 1138691001	Permit Number St			County Eddy			
Surface Location		Q G		Original KB Elevation (ft)	(ft) Ground Elevation (ft)		KB-Ground Distance (ft)	Surface Casing Flange Elev
192		na na mana mana mana mana mana mana man	Wellbores					
MD (fit (1) (ind (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		Vertical schematic (actual)	Wellbore Name Original Hole		Parent Wellbore		Wellbore API/UWI	WI
2.0	KB: 3395.2,1,0 GL: 3376.5,2,0		Start Depth (ftKB)			Profile Type		
3.6	SPUD DATE: 2/15/2008; 3.0 mm/299999999		Section Des		Hole Sz (in)		Act Top (ftKB)	Act Btm (ftKB)
29,5	COMP DATE: 5/21/2008;	1.5 Surface; 26 in; 492.0 ftKB	Surface		.,	26	18.7	492.0
492.1		Surface; 20 in; 492.0 ftKB	Intermediate		171	1/2	492.0	972.0
545.9			Intermediate		12 1/4	14	972.0	3,048.0
523.4 era o		972.0 ftKB	Production		8 3/4	14	3,048.0	12,810.0
972.1		1: 13 3/8 in:	Zones					
1.025.9	1929	972.0 ftKB	Zone Name		Top (ftKB)	ш —	Btm (ftKB)	Current Status
1 282 0			Middle Morrow					
2 200 1	2200' TOC /TSV 2 200 0	Intermediate: 12 1/4 in:	Upper Morrow					
2,983,9			Casing Strings					
3,047,9	Ramsey (final)	Intermediate 2: 9 5/8 in;	Csg Des	Set Depth (ftKB)		OD (in)	VVt/Len (lp	Grade
6.416.0		3,048,0 TKB	Surface		492.0	20	133.00	0 K-55
7,419.9			Intermediate 1		972.0	13 3/8	54.50	0 J-55
7.561.0			Intermediate 2	3	3,048.0	9 5/8	40.00	0 J55
7.620.1			Production	12	12,809.0	5 1/2		0 HCP-110
8,560,0	Bone Spring Sand	12,810.0 ftKB	Cement					
9.726.1			Des		Type	Start Date	ate Top (ftKB)	Btm (ftK
9,924,9			Surface Casing Cement		Casing	2/16/2008		208.0 492.0
11,018.0			Top Out Cement		Casing	2/17/2008		18.7 208.0
11,334,6			Intermediate Casing Cement		Casing	2/20/2008		18.7 972.0
11,894,0			2nd Intermediate Casing Cement		Casing	2/27/2008	1,9	1,982.0 3,048.0
12,035,1		Perforated;	2nd Intermediate Casing Cement		Casing	2/27/2008	0	827.0 1,982.0
12,051,8		Ferforated;	Top Out Cement		Casing	2/28/2008		18.7 827.0
12,178,1	Middle Morrow (final)	Derforated:	Production Casing Cement		Casing	3/29/2008	7,5	7,561.0 12,809.0
12,282,2		Ferforated [*]	Production Casing Cement		Casing	3/29/2008	2,2	2,200.0 7,561.0
12,301.8		Ferforated:	Perforations					
12.352.0	1-1	112,352.0-12,360.0 ftKB	Date	Top (ftKB)		Btm (ftKB)	Link	Linked Zone
12,403,9		Perforated;	9/19/2008	12,	12,052.0	12,063.0		
12,452.1	2,512	2,410.0	5/15/2008	12,	12,260.0	12,266.0		
12,646,9		12,452.0-12,456.0 ftKB	5/15/2008	12,	12,282.0	12,286.0		
12,728,0	12/28 Float Collar (by Csg Detail); 12,728.0		5/15/2008	12,	12,302.0	12,308.0		
12,807.7		72,809.0 ftKB	5/15/2008	12,	12,352.0	12,360.0		
12,810,0	12818' Loggers TD; 12,818.0	ftKB	5/15/2008	12,	12,404.0	12,410.0		

•

MORENO Tele Restorement Morene Committee <	WM SAP Cost Center ID 1536020 1133691001 ce Location Ventical schematic (ac ce Location s355,210 ce Location cli 3355,200 concretion cli 3356,200 concretion cli 3356,200 concretion cli 3356,200 concretion cli 3356,200 concretion cli 3456,200 concretion cli 345,200 concretion cli 345,200 conconcretin </th <th>Well Name: Bi</th> <th>Big Eddy Unit 162</th> <th></th> <th></th> <th></th> <th></th>	Well Name: Bi	Big Eddy Unit 162				
Difference Source Exercision Source Exercision Source Exercision Reference (n) Reference (n) <th< th=""><th>Image: Section Vortical schematic (ac Image: Section Vortical schematic (ac Image: Section Vortical schematic (ac Image: Section Section Image: Section Vortical schematic (ac Image: Section Vortical schematic (ac Image: Section Section Image: Section Vortical schematic (ac Image: Section Section Image: Section</th><th></th><th></th><th>County Eddv</th><th></th><th></th><th></th></th<>	Image: Section Vortical schematic (ac Image: Section Vortical schematic (ac Image: Section Vortical schematic (ac Image: Section Section Image: Section Vortical schematic (ac Image: Section Vortical schematic (ac Image: Section Section Image: Section Vortical schematic (ac Image: Section Section Image: Section			County Eddv			
1 10 Andra member (network) Part (network)	Image: Second	Spud Date	Original KB Elevation (ft)	Ground Elevation (ft)	KB-Ground		Surface Casing Flange Eleve
1 1	District Commande (ac RE: 335.5, 2.0 SPUD DATE: 2376.5, 2.0 Commande (ac 335.5, 2.0 Commande (ac 335.5, 2.0 SPUD DATE: 5/21/2008 Commande (ac 6.1 Commande (ac 336.5, 2.0 Commande (ac 6.1 Commande (ac 9.0 Partice (ac 11,9.0 Partice (ac 11,9.0 Partice (ac 11,9.0 Partice (ac 11,9.0 Partice (ac <t< th=""><th>Perforations</th><th></th><th></th><th></th><th></th><th></th></t<>	Perforations					
End and the first is	KB: 3336.5,2,0 SPUD DATE: 2/15/2008: COMP DATE: 5/2/12008: COMP DATE: 5/2/12008: COMP DATE: 5/2/12008: COMP DATE: 5/2/12008: COMP DATE: 5/2/12008: COMP DATE: 5/2/12008: COMP DATE: 5/2/12008: Ramsey (final) Ramsey (final) Ramsey (final) Ramsey (final) Ramsey (final) Concernence for the series of	5/15/2008	12,45		,456.0	Linked 20	Це
Proto Total Total <th< th=""><th>PUD DATE: 5/1/2008. COMP DATE: 5/1/2008. COMP DATE: 5/1/2008. 2.200 TOC (TS): 2,200,0 Ramsey (final) Ramsey (final) Ramsey (final) Ramsey (final) Ramsey (final) 1st Bone Spring Sand 900 Spring Sand 900 Spring Sand 11,910,0 11,11910 F Nipple in ttg 40,111910 F Nipple in ttg 11,910,0 11,2178 Fort: 12,178,0 Middle Morrow (final) 12810 Differs TD 12810 Differs TD</th><th>Stimulation Inter</th><th>vals</th><th></th><th></th><th></th><th></th></th<>	PUD DATE: 5/1/2008. COMP DATE: 5/1/2008. COMP DATE: 5/1/2008. 2.200 TOC (TS): 2,200,0 Ramsey (final) Ramsey (final) Ramsey (final) Ramsey (final) Ramsey (final) 1st Bone Spring Sand 900 Spring Sand 900 Spring Sand 11,910,0 11,11910 F Nipple in ttg 40,111910 F Nipple in ttg 11,910,0 11,2178 Fort: 12,178,0 Middle Morrow (final) 12810 Differs TD 12810 Differs TD	Stimulation Inter	vals				
Colle Tot: Callonity Colle Date: Callonity Callonity <thcallonity< th=""> <thcallonity< th=""> <</thcallonity<></thcallonity<>	COMP DATE: 5/21/2008 2200' TOC (TS): 2.200.0 2200' TOC (TS): 2.200.0 Ramsey (final) Bara Sping Sand 301 Bone Sping Sand 301 Bone Sping Sand 301 Bone Sping Sand 301 Bone Sping Sand 141 Sand 400 Sping Sand 301 Bone Sping Sand 11,910.0 11,910.0 11,910.0 11,910.0 12010 Inflast Do 12010 Inflast Do	Interval Number	Top (ftKB)		ump Power Max (bbl/min)	MIR (bbl/min)	Proppant Total (lb)
2200' TOC (TS): 2,200,0 Ramsey (final) Ramsey (final) 1st Bone Spring Sand 3rd Bone Spring Sand 9rd Bone Spring Sand Wolfeamp (final) - U+/11910' F Nipple in teg Model Morrow (final) - 1,2178' EOT: 12,178.0 Middle Morrow (final) 1,2128' EOT: 12,178.0 1,2178' EOT: 12,178.0 Lower Morrow (final) 1,2128' Fot Collar (to Cag Deta (1); 12,28.0 1,2818' Logges TD 1,2818' Logges TD 1,2818' Logges TD	2200' TOC (TS), 2,200,0 Ramsey (final) Farmsey (final) Strawn (final) Molfcamp (final) Atota (final) Atota (final) Atota (final) Atota (final) Atota (final) (11,910,0 11,910,0 (12,178, EOT: 12,178,0 Moldel Morrow (final) (12,178, EOT: 12,178,0 (12,178, EOT: 12,178,0 (12,118,0 (12,118,00 (12,118,00 (12,118,00 (12,118,00 (12,118,00 (12,118,00 (12,118,00 (12,118,00 (12,118,00 (12,118,00 (12,118,00 (12,118,00 (12,118,00 (12,118,00 (12,118,00 (2e: 26 in; 492.0 ftKB 2e: 20 in: 492.0 ftKB	12,260.0	56.0			0.0
2200' TOC (TS); 2,200,0 Ramsey (final) Ramsey (final) 1st Bone Spring Sand 9rd Bone Spring Sand Wolrcamp (final) Wolrcamp (final) 11,910' F Nipple in tbg string, 1 (t above ptc: 11,910,0 12128' Fot Coller (tpy Cag Death), 12,78,0 12218' Lower Morrow (final) 12218' Lower Morrow (final) 12319' Data (12,00) 12319' Data (2200' TOC (TS); 2,200,0 Ramsey (final) Ramsey (final) Part Bone Spring Sand Bone Spring Sand Done Spring Sand Moltcamp (final) - Voltcamp (final) - U+11910' F Nipple in tbg Atoka (final) - U+11910' F Nipple in tbg 11,910,0 12178' EOT: 12,178,0 Middle Morrow (final) - Lower Morrow (final) - Lower Morrow (final) - Lower Morrow (final) - 2000 (final)						
2200 TOC (TS): 2,200,0 Ramsey (final) Ramsey (final) Bione Spring Sand Bione Spring Sand Bione Spring Sand Wolfcamp (final) - U+/11g10' F Nipple in ttg Attoka (final) - U+/11g10' F Nipple in ttg firing 1 g tabove piki 1,1,910,0 12178' EOT: 12,178.0 Middle Morrow (final) - Lower Morrow (final) 12218' Logger TD 12319' Drillers TD	2200' TOC (TS): 2,200,0 Ramsey (final) Ramsey (fina	ttKB					
2200' TOC (TS), 2,200,0 Ramsey (final) Bone Spring Sand Bone Spring Sand Bone Spring Sand Wolfcamp (final) - Volfcamp (final) - U+/11910' F Mipple in tpg string, 1 (t above pkr. 11,910,0 12,178' EOT, 12,178,0 12,178' EOT, 12,178,0 Lower Morrow (final) - Lower Morrow (final) 12218' Loggest (2) 12219' Loggest (2) 122119' Loggest (2) 12219' Loggest (2200' TOC (TS): 2,200,0 Ramsey (final) Ramsey (final) 1st Bone Spring Sand Bone Spring Sand ad Bone Spring Sand Woltcamp (final) - Voltcamp (final) - U+/11310' F Nipple in tbg 1,1,10,0 1,2178' EOT: 12,178.0 Middle Morrow (final) - Lower Morrow (final) 1,2178' EOT: 12,178.0 Middle Morrow (final) - Lower	ediate 1; 13 3/8 in; ftKB					
2200' TOC (TS): 2.200.0 Ramsey (final) Ist Bone Spring Sand Bone Spring Sand Bone Spring Sand Wolfeamp (final) Atota (final) Atota (final) Atota (final) Atota (final) 1.1,910.0 1.2178' Fold: 1,178.0 Middle Morrow (final) 1.2178' Fold: 1,28.0 1.2178' Loger Morrow (final) 1.218' Loger Data) 1.218' Loger Data)	2200' TOC (TS): 2.200.0 Ramsey (final) list Bone Spring Sand Jorde Spring Sand Jorde Spring Sand Wolfcamp (final) Atota (final) Atota (final) Atota (final) (14-11910' F Nipple in tbg (14-11910' F Nipple in tbg (14)-1178' For Sand (12)-120' F						
Ramsey (final) 1st Bone Spring Sand Bone Spring Sand 9d Bone Spring Sand Modreamp (final) Avotes min (final) Atota (final) 1,1910' F Nipple in tbg string, 1 (t above pic; 1,1,910.0 1,1,910.0 1,1,910.0 1,2,173.0 Middle Morrow (final) 1,2178' EOT; 12,173.0 1,2179' Coges fic; Detail), 12,78.0 1,2179' Coges fic; Detail), 12,78.0 1,210' Coges fic; 1,2816' Logger (final) 1,2816' Logger (final)	Ramsey (final) 1st Bone Spring Sand Bone Spring Sand Bone Spring Sand - Volteamp (final) - Volteamp (final) - Vatva (final) - U +4-1 1910' F Nipple in tbg - U +4-1 1910' F Nipple in	ediate: 12 1/4 in; 0 ttKB					
1st Bone Spring Sand Bone Spring Sand -Bone Spring Sand -Bone Spring Sand -Wolfeamp (mai) -Nolfeamp (mai) -Atoka (mai) -Atoka (mai) -11,1510 -11,1510 -11,1510 -11,178 EOT -12728 <feot< td=""> -12728<feot< td=""> -1310 -12178 -1310 -1311 -1311 -1311 -1311 -1311 -1228 -1218 -1218 -1231 -1231 -12318 -12318 -12318 -12318 -12318 -12318 -12318 -12318</feot<></feot<>	1st Bone Spring Sand - Bone Spring Sand - Bone Spring Sand - Bone Spring Sand - Wolfearnp (final) - Atota (final) - Atota (final) - Atota (final) - Atota (final) - U +/11910' F Nipple in ttg - U +/11910' F String J I, atbove pkr. - U +/11910' F String J I, atbove pkr. - U +/11910' F String J I, atbove pkr. - U +/110' F String J I, atbove pkr. - U +/110' F String J I, atbove pkr. - U +/110' F String J I, atbove pkr. - U +/110' F String J I, atbove pkr. - U +/110' F String J I, atbove pkr. - U +/110' F String J I, atbove pkr. - Lower Morrow (final) - Lower Morrow (final) - Lower Morrow (final) - 12810' Diales T D, atbove pkr. - 12810' Diales T D, atbove pkr. </td <td>ediate 2- 9 5/8 in.</td> <td></td> <td></td> <td></td> <td></td> <td></td>	ediate 2- 9 5/8 in.					
1st Bone Spring Sand Bone Spring Sand 9rd Bone Spring Sand 9rd Bone Spring Sand Wolfcamp (fmal) Atota (fmal) Atota (fmal) 11910 F Nipple in tbg string, 1 (t above pic; 11,910.0 12178' EOT; 12,173.0 Middle Morrow (fmal) 1220' Filles TD) 12210' Differs TD) 12810' Differs TD)	1st Bone Spring Sand Bone Spring Sand 3rd Bone Spring Sand Wolfcamp (final) Wolfcamp (final) Atoka (final) - 11310 F Nipple in tbg - 11210 F Nipple F TD - 11210 F Nipple F TD - 12810 F Nipple F TD <td>0 ttKB</td> <td></td> <td></td> <td></td> <td></td> <td></td>	0 ttKB					
1st Bone Spring Sand	1st Bone Spring Sand Bone Spring Sand Side Bone Spring Sand Woltcamp (final) Strawn (final) Atota (final) Atota (final) U +/-11910' F Nipple in tbg Titing 1 (fabove pic: 11,910.0 12178' EOT: 12.173.0 Middle Morrow (final) 123728 Flact Collar (12,122.0 Detaclolar (12,122.0 Detaclolar (12,122.0 12810' Differs TD 12810' Differs TD 12810' Longers TD						
 Tata Borne Sping Sand Jord Borne Sping Sand Jord Borne Sping Sand Molreamp (fmal) Atoka (fmal) Atoka (fmal) Atoka (fmal) 11910 F Nipple in tbg 11910.0 12173 For Coller (19, 05g 12816' Dates (10, 05g 12816' Dages (10, 05g 	 Fist Bone Sping Sand Othe Sping Sand Strawn (final) Atoka (final) Atoka (final) I + 11910 F Nipple in tbg Atoka (final) I + 11910 F Nipple in tbg 						
Wolfcamp (final) Strawn (final) Atoka (final) - Atoka (final) - U +/-11910' F Nipple in ttg 1 +/-11910' F Nipple in ttg 1 +/-11910' F Nipple in ttg - U +/-11910' F Nipple in ttg - Data Niphle (tp / C =0 Data Niphle F TD. - 12810' Differs TD. - 12810' Differs TD. - 12810' Differs TD. - 12810' Differs TD.	Wolfcamp (final) Strawn (final) Atoka (final) U +1-11910 F Nipple in tbg U +1-11910 F Nipple in tbg 1,3178 EOT: 12,178.0 Middle Morrow (final) 1,2128 Float Collar (final) 1,2728 Float Collar (final) 1,2728 Float Collar (final) 1,2810 Dillar (10 12810 Di	ston, s 3/4 ln;).0 ftKB					
Strawn (final) Atota (final) U +1-11510' F Nipple in tbg string, 1 (t above ptr. 11,910.0 12,178' EOT: 12,178.0 12,178' EOT: 12,178.0 12,178' EOT: 12,178.0 12,178' EOT: 12,178.0 12,178' Float Collar (th 26 12,178' Float Collar (th 26 12,10' Dhiles '270.0 12,10' Dhiles '270.0	Strawn (final) Atoka (final) - Jtoka (final) - U +-11910 F Nipple in tbg string, 1 jt above pik: 1,910.0 12178' EOT: 12,178.0 Middle Morrow (final) - Lower Morrow (final) - Lower Morrow (final) - Lower Morrow (final) - 2228 Flact Collar (to Cog Detail): 1,278.0 - 12810' Drillers TD, 12810' Drillers TD, 12810' Drillers TD, - 12810' Drillers TD, - 2000'						
Atoka (final) — U+/11910' F Nipple in tbg tring, 1 (# atove p.kr. 11,910.0 12178' EOT, 12,178.0 Middle Morrow (final) 12278' Float Collar (tp, Cag Death), 12,28.0 12818' Loggers TD 12818' Logger	Atoka (final) — U+/11910' F Mipple in ttgg tring, 1 / tabove pkr. 1,1,910.0 1,2178' EOT; 12,178.0 Middle Morrow (final) — Middle Morrow (final) — Lower Morrow (final) 1,2728' Flact Collar (ty csg Detail); 1,278 Detail): 1,278 Detail): 1,278 Detail): 1,278 Detail): 1,2618 Detail): 1,2618 Detail]:						
Tarto Tringhen nug string, 1 (above proc 11,910,0 Middle Morrow (final) (2728 Fact Collar (final) (2728 Fact Collar (to Seg Destrollar (to Seg	I tabove proversion in the string of tabove proverse string of tabove proverse string of tabove provements of tabove provements and the Morrow (final) in the string of tabove						
12178' EOT: 12,178.0 Middle Morrow (fmal) Lower Morrow (fmal) 12728' Float Collar (toy Cag 12810' Dinless (toy Cag 12810' Dinless (to) Cag	12178' EOT: 12,178.0 Middle Morrow (fmal)						
12178' EOT: 12.178.0 Middle Morrow (final)	12178' EOT: 12.178.0 Middle Morrow (final) Lower Morrow (final) 12728 Float Oll (1200) 12810' Differs TD, 12810' Differs TD, 12810' Differs TD, 12810' Differs TD, 12810' Differs TD, 12810' Differs TD,	ated; .0-12,063.0 ftKB					
-Lover Morrow (final) -Lover Morrow (final) 12728 Flact Profession 12818 Loggess TD 12818 Loggess TD 12818 Loggess TD 12818 Loggess TD 12818 Loggess TD	Lower Morrow final) 12728 Float Cov final) 12728 Float Cov final) 12810 Differs TD 12810 Differs TD 12810 Longers TD 12818 Loggers TD	ated; .0-12.266.0 ftKB tted;					
Lower Morrow (final) 12728 Float Collar (to Seg Data)(1:12,28:00 12810' Drillers TD, 12810' Drillers TD, 12810' Drillers TD, 12.810.0	Lower Morrow (final) Lower Morrow (final) 12728 Float Ollar (1270) Deta Ollar (1270) 12810 Differs TD, 12810 Differs TD, 12810 Longers TD, 12818 Loggers TD,	.0-12,286.0 ftKB tted: 			×		
Lover Morrow (final) Lover Morrow (final) 12728 Flact Collar (tot Csg Detail): 12.728 0 12810' Differs TD, 12810' Differs TD, 12810' 12810,0	-Lower Morrow (final) -Lower Morrow (final) 12728 Float Colfar (by Csg Detail): 1,2728,0 12810' Drifers TD 12818' Loggers TD 12818' Loggers TD	.0-12.308.0 TKB tted; .0-12.360.0 TtKB					
Lower Morrow (final) 12728 Float Collar (by Csg Detail); 12,728,0 12810 Dhiles 71 12810 Dhiles 71 12818 0 12818 0	-Lover Morrow (final) 12728 Float Collar (by Csg Datali) 12,728.0 12810' Drillers TD, 12810' Drillers TD, 12810' Loggers TD,	rac ted;					
Lower Morrow (final) Lower Morrow (final) 12728 Float Collar (by Csg Detail), 1.2.728,0 12810 Drillers TD, 12.810,0 12.810,0 12.810,0 12.818,	- Lower Morrow (final) 12728 Float Collar (by Csg Detal), 12.7250 12810 Differs TD 12810 12810 12810 Collars TD 12818 Loggers TD	.0-12,410.0 ftKB ted; 0-12 456.0 ftKB					
12/12/12/12/12/12/12/12/12/12/12/12/12/1	12810 Drillers TD, 12/2200 12810 Drillers TD, 128100 1280000000000						
12818' Loggers TD; 12.818.0	12818' Loggers TD;	tion; 5 1/2 in; .0 ftKB					
		riginal Hole; 12,810.0					

.

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 <u>ninety (90)</u> 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. <u>Notification:</u> 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. <u>Blowout Preventers</u>: 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. <u>Mud Requirement:</u> 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. <u>Cement Requirement</u>: 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. <u>Dry Hole Marker</u>: 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. <u>Subsequent Plugging Reporting</u>: 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. <u>Show date well was plugged.</u>

8. <u>Trash</u>: 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.
- 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) Released to Imaging: 8/16/2024 3:51:24 PM

•

		Detter	Lancith	Ter	Se-1	Cement	Nataa
Plug Type	Тор	Bottom	Length	Tag	Sacks	Class	Notes
	0.00	400.00	400.00	T 0 / : 6			
Surface Plug Fresh Water @ 350	0.00 296.50			Tag/Verify If solid		1	
20 inch- Shoe Plug	437.08			Tag/Verify			
13.375 inch- Shoe Plug	912.28	1022.00	104.92	Tag/Verify			
							Perf and squeeze from 1490' to surface. (In 148 sxs/Out 295 sxs)
Top of Salt @ 1440	1375.60			Tag/Verify	443.00	С	Verify at surface.
Yates @ 1935 DV tool plug Delaware @ 3040	1865.65 1912.18 2959.60		119.82	If solid Tag/Verify If solid	50.00	с	Perf and squeeze from 2032' to 1865'. WOC and Tag. (In 17 sxs/Out 33 sxs)
	2000.00						Spot cement from
9.625 inch- Shoe Plug	2967.52	3098.00	130.48	Tag/Verify	25.00	с	3150' to 2900'. WOC and Tag.
Spacer Plug @ 5025	4924.75	5075.00	150.25	base no need to Tag (CIBP present and/or Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforatio ns	25.00	с	Spot cement from 5075' to 4924'.
				If solid base no need to Tag (CIBP present and/or Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforatio			Spot cement from
Bonesprings @ 6616	6499.84				25.00	С	6700' to 6500'.
DV tool plug Perforations Plug (If No CIBP)	7435.39			Tag/Verify Tag/Verify		ļ	
	7612.60	7790.00	477 40	I L'a a /\ / a wife /		1	

•

							1
CIBP Plug Perforations Plug (If No CIBP)	<u>7615.00</u> 8498.65	7650.00 8685.00	35.00	If solid base no need to Tag (CIBP present and/or Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforatio ns Tag/Verify	27.00	Н	Set CIBP at 7650'. Spot cement from 7650' to 7435'. WOC and Tag
CIBP Plug	8525.00	8560.00		If solid base no need to Tag (CIBP present and/or Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforatio ns	5.00	Т	Set CIBP at 8560'. Leak Test CIBP. Dump bail 35' on top.
Wolfcamp @ 9874	9725.26	9924.00	198.74		34.00	Н	Spot cement from 10000' to 9725'.
				base no need to			
Strawn @ 11013	10852.87	11063.00	210.13	Tag			

				If solid			
				base no need to			
				Tag (CIBP			
				present and/or			
				Mechanic al Integrity			
				Test), If Perf &			
				Sqz then			
				Tag, Leak Test all			
				CIBP if no Open			
Atoka @ 11334	11170.66	11384.00	213.34	Perforatio ns	99.00	н	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			
				If solid base no need to Tag (CIBP present and/or Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open			Set CIBP at 12002'. Spot 25 sxs on top. Leak test CIBP. Run
CIBP Plug	11967.00	12002.00		Perforatio	25.00	с	CBL from 3500' to surface.
Perforations Plug (If No CIBP)	12210.00	12506.00		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.

Cave Karst/Potash Cement Requirement:	<u>Top of Salt to su</u> <u>Medium</u>	<u>irface</u>
20 inch- Shoe Plug @ 13.375 inch- Shoe Plug @ 9.625 inch- Shoe Plug @ 5.5 inch- Shoe Plug @	492.00 972.00 3048.00 12809.00 TOC	C@ 2200.00
Perforatons Top @ Perforatons Top @ Perforatons Top @ Perforatons Top @	12260.00 Per 8610.00 Per	forations 12053.00 forations 12456.00 forations 8635.00 forations 7740.00
DV Tool @ DV Tool @	7561.00 CIB	P@ 12002.00 P@ 8560.00 P@ 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

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

CONDITIONS

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

Page 26 of 26

Action 373225