

Well Name: BIG EDDY

Well Location: T21S / R28E / SEC 8 / SWNE /

County or Parish/State: EDDY / NM

Well Number: 53

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMLC060572A

Unit or CA Name: BIG EDDY UNIT-MORROW C

Unit or CA Number: NMNM68294I

US Well Number: 3001522075

Well Status: Producing Gas Well

Operator: XTO PERMIAN OPERATING LLC

Accepted for record – NMOCD gc 11/10/2022

LONG VO

Digitally signed by LONG VO
Date: 2022.11.06 08:25:01
-06'00'

Notice of Intent

Sundry ID: 2698953

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 10/20/2022

Time Sundry Submitted: 11:54

Date proposed operation will begin: 12/05/2022

Procedure Description: XTO Permian Operating LLC respectfully submits a NOI to PA sundry for the well above. I have attached the procedure for review along with the current and proposed WBD.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

BEU_053_DHWP_20221020115436.pdf

BEU_053_Proposed_WBD_20221020115426.pdf

BEU_053_Procedure_20221020115406.pdf

Approval Subject to
General Requirements and
Special Stipulations
Attached

Well Name: BIG EDDY

Well Location: T21S / R28E / SEC 8 /
SWNE /County or Parish/State: EDDY /
NM

Well Number: 53

Type of Well: CONVENTIONAL GAS
WELL

Allottee or Tribe Name:

Lease Number: NMLC060572A

Unit or CA Name: BIG EDDY UNIT-
MORROW CUnit or CA Number:
NMNM68294I

US Well Number: 3001522075

Well Status: Producing Gas Well

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: CASSIE EVANS

Signed on: OCT 20, 2022 11:54 AM

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: CASSIE.EVANS@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

PLUG AND ABANDON WELLBORE
BIG EDDY UNIT 053
EDDY COUNTY, NEW MEXICO
Class II

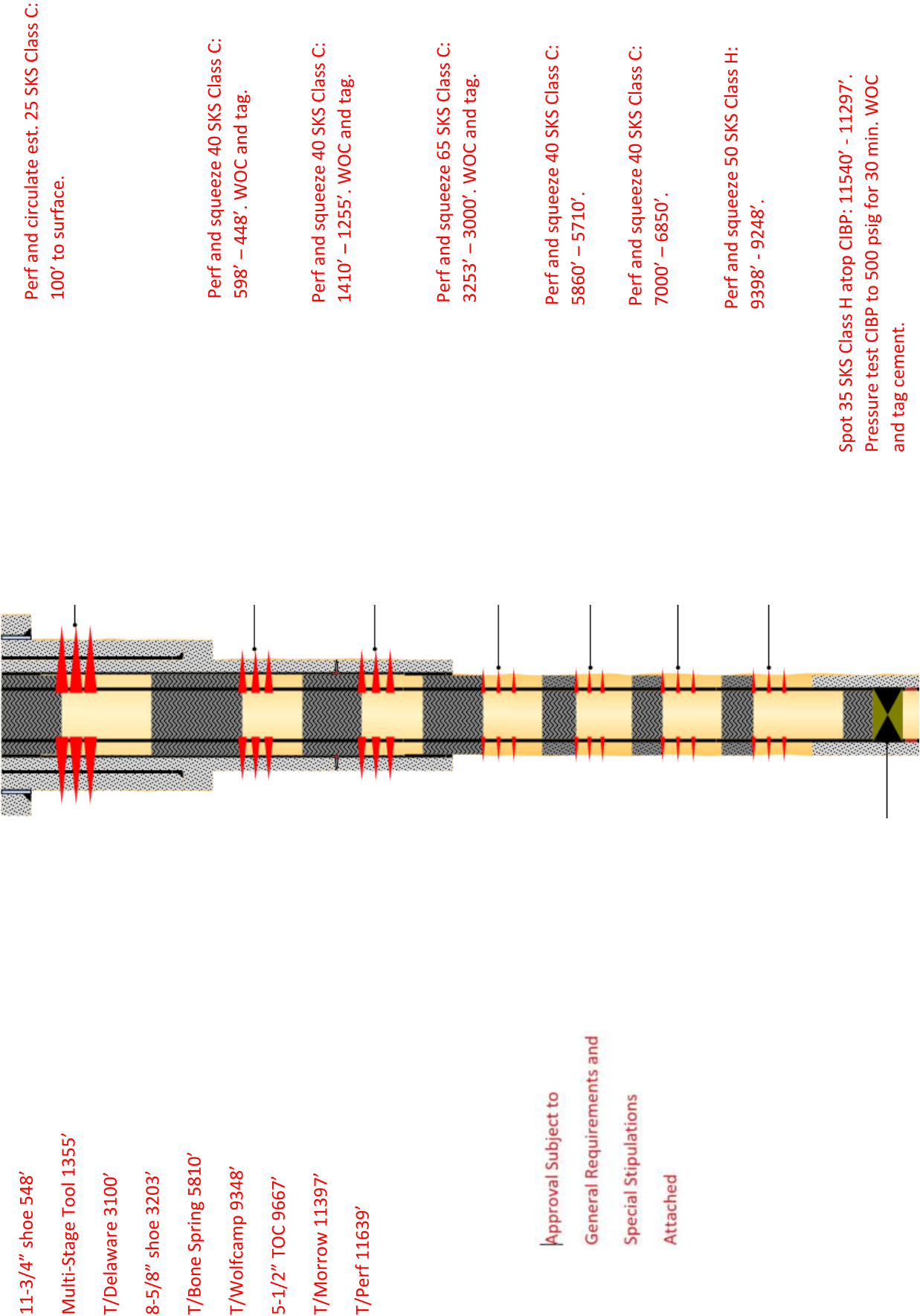
MASIP	MAOP	MAWP	Surface Csg Yield
1,000 psi	1,000 psi	3,000 psi	1,980 psi

SUMMARY: Plug and abandon wellbore according to BLM regulations.

- 1) MIRU plugging company. Set open top steel pit for plugging.
- 2) NU CT quad pack BOP, fish 1.5" coiled tubing string (est. 346' – 11653') if feasible).
- 3) ND WH and NU 3K manual BOP. Function test BOP.
- 4) Release Baker 45A4 Lok-Set packer at 11620'. Sting out of Baker DB permanent packer at 11685'. Note BHA.
- 5) POOH LD 2-3/8" tubing string and packer. After approx. 11 jts, top of coiled tubing fish should be at surface. NU CT quad pack BOP if necessary. Cut and LD 1.5" coiled tubing while POOH.
- 6) MIRU WLU, RIH GR sized for 5-1/2" 17.00# casing to 11550'. RIH CIBP and set at 11540'. Notify BLM. Pressure test CIBP to 500 PSIG for 30 min.
- 7) Spot 35 SKS Class H cement from 11540' to 11297' (T/Perf, T/Morrow). WOC, tag and notify BLM.
- 8) MIRU WLU, perforate at 9662'.
- 9) Squeeze 58 SKS Class H cement from 9662' to 9465' (T/Wolfcamp). WOC and Tag. (In 25 sxs/Out 33 sxs)
- 10) MIRU WLU, perforate at 6466'.
- 11) Squeeze 177 SKS Class C cement from 6466' to 5701' (3000' requirement). (In 76 sxs/Out 101 sxs) WOC and Tag.
- 12) MIRU WLU, perforate at 3250'.
- 13) Squeeze 65 SKS Class C cement from 3250' to 3000' (T/Delaware, 8-5/8" CSG shoe). WOC, tag and notify BLM. (In 25 sxs/Out 34 sxs)
- 14) MIRU WLU, perforate at 1405'.

- 17) Squeeze 328 SKS Class C cement from 1405' to surface' (Multi-stage tool, Capitan Reef, Base of Salt, Yates, Top of Salt, Shoe, Fresh Water, Surface plug) Verify at surface.
- 18) ND BOP and cut off wellhead 5' below surface. RDMO PU, transport trucks, and pump truck.
- 19) Set P&A marker.
- 20) Pull fluid from steel tank and haul to disposal. Release steel tank.

Big Eddy Unit 053 - Proposed WBD



Approval Subject to
General Requirements and
Special Stipulations
Attached



Downhole Well Profile - with Schematic

Well Name: BIG EDDY UNIT 053

API/UWI 3001522075	SAP Cost Center ID 1135731001	Permit Number	State/Province New Mexico	County Eddy
Surface Location T21S-R28E-S08	Spud Date 4/28/1977 11:00			Original KB Elevation (ft) 3,208.10
				Ground Elevation (ft) 3,189.60

Wellbores			
Wellbore Name		Parent Wellbore	
Original Hole			
Start Depth (ftKB)		Profile Type	
Section Des		Hole Sz (in)	
Conductor		20	
Surface		15	
Intermediate		11	
Production		7 7/8	
Zones			
Zone Name		Top (ftKB)	
Morrow			
Casing Strings			
Csg Des		Set Depth (ftKB)	
Conductor		40.0	
Surface		548.0	
Intermediate		3,203.0	
Production		11,860.0	
Cement			
Des		Type	
Conductor Cement		Casing	
Surface Casing Cement		Casing	
Intermediate Casing Cement		Casing	
Intermediate Casing Cement		Casing	
Cement Plug		Plug	
Production Casing Cement		Casing	
Tubing Strings			
Tubing Description		Run Date	
Tubing - Coiled		10/20/1980	
Item Des		OD (in)	
Parted 1" CT Fish		1.48	
Perforations			
Date		Top (ftKB)	
7/26/1977		11,639.0	
7/26/1977		11,762.0	
		Btm (ftKB)	
		11,647.0	
		11,769.0	

MD (ftKB)	TVD (ftKB)	Incl (°)	Vertical schematic (actual)
18.4			
48.9			
72.2			
512.8			
546.9			
549.9			
1,355.6			
1,366.8			
2,042.3			
3,156.8			
3,185.0			
3,203.1			
5,825.1			
9,350.1			
10,436.0			
11,282.2			
11,580.1			
11,607.3			
11,618.1			
11,623.4			
11,630.2			
11,639.1			
11,652.9			
11,684.1			
11,688.0			
11,715.6			

Sundry ID 2698953

Plug Type	Top	Bottom	Length	Tag	Sacks	Notes
Surface Plug	0.00	100.00	100.00	Tag/Verify		
Fresh Water @ 365	311.35	415.00	103.65	base no		
Shoe Plug	492.52	598.00	105.48	Tag/Verify		
Top of Salt @ 665	608.35	715.00	106.65	Tag/Verify		
Yates @ 955	895.45	1005.00	109.55	base no		
Base of Salt @ 955	895.45	1005.00	109.55	Tag/Verify		
Capitan Reef @ 1200	1138.00	1250.00	112.00	base no need to		
DV tool plug	1291.45	1405.00	113.55	Tag/Verify	328.00	Perf and squeeze from 1405' to surface. (In 139 sxs/Out 189 sxs) Verify at surface.
Delaware @ 3100	3019.00	3150.00	131.00	base no		
Shoe Plug	3118.00	3250.00	132.00	Tag/Verify	65.00	Perf and squeeze from 3250' to 3000'. (In 25 sxs/Out 34 sxs) WOC and Tag.
Bonesprings @ 5810	5701.90	6466.00	764.10	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	177.00	Perf and squeeze from 6466' to 5701'. (In 76 sxs/Out 101 sxs) WOC and Tag.

				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		
Wolfcamp @ 9612	9465.88	9662.00	196.12	ns	58.00	Perf and Squeeze cement from 9662' to 9465'. (In 25 sxs/Out 33 sxs) WOC and Tag.
Morrow @ 11578	11412.22	11628.00	215.78	base no		
Perforations Plug (If No CIBP)	11480.53	11697.00	216.47	Tag/Verify		
				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		
CIBP Plug	11505.00	11540.00	35.00	ns	35.00	Set CIBP at 11540'. Leak Test CIBP. Spot cement from 11540' to 11412'.
Perforations Plug (If No CIBP)	11646.85	11865.00	218.15	Tag/Verify		
Shoe Plug	11691.40	11910.00	218.60	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 ft³/sx

Class H: 1.06 ft³/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		Bottom of Karst/take deepest fresh water/top of salt whichever is greater to surface	
	High		
Shoe @	548.00		
Shoe @	3200.00		
Shoe @	11860.00	TOC @	9667.00
Perforatons Top @	11639.00	Perforations	11647.00
Perforatons Top @	11762.00	Perforations	11815.00
DV Tool @	1355.00	CIBP @	11540.00

**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 **brine** 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.

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.

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 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

Trishia Bad Bear, Hobbs Field Station
Natural Resource Specialist
575-393-3612

Well Name: BIG EDDY	Well Location: T21S / R28E / SEC 8 / SWNE /	County or Parish/State: EDDY / NM
Well Number: 53	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMLC060572A	Unit or CA Name: BIG EDDY UNIT-MORROW C	Unit or CA Number: NMNM68294I
US Well Number: 3001522075	Well Status: Producing Gas Well	Operator: XTO PERMIAN OPERATING LLC

LONG VO

Digitally signed by LONG VO
Date: 2022.11.06 08:25:01
-06'00'

Notice of Intent

Sundry ID: 2698953

Type of Submission: Notice of Intent

Date Sundry Submitted: 10/20/2022

Date proposed operation will begin: 12/05/2022

Type of Action: Plug and Abandonment

Time Sundry Submitted: 11:54

Procedure Description: XTO Permian Operating LLC respectfully submits a NOI to PA sundry for the well above. I have attached the procedure for review along with the current and proposed WBD.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

BEU_053_DHWP_20221020115436.pdf

BEU_053_Proposed_WBD_20221020115426.pdf

BEU_053_Procedure_20221020115406.pdf

Approval Subject to
General Requirements and
Special Stipulations
Attached

Well Name: BIG EDDY

Well Location: T21S / R28E / SEC 8 /
SWNE /County or Parish/State: EDDY /
NM

Well Number: 53

Type of Well: CONVENTIONAL GAS
WELL

Allottee or Tribe Name:

Lease Number: NMLC060572A

Unit or CA Name: BIG EDDY UNIT-
MORROW CUnit or CA Number:
NMNM68294I

US Well Number: 3001522075

Well Status: Producing Gas Well

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: CASSIE EVANS

Signed on: OCT 20, 2022 11:54 AM

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: CASSIE.EVANS@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

PLUG AND ABANDON WELLBORE
BIG EDDY UNIT 053
EDDY COUNTY, NEW MEXICO
Class II

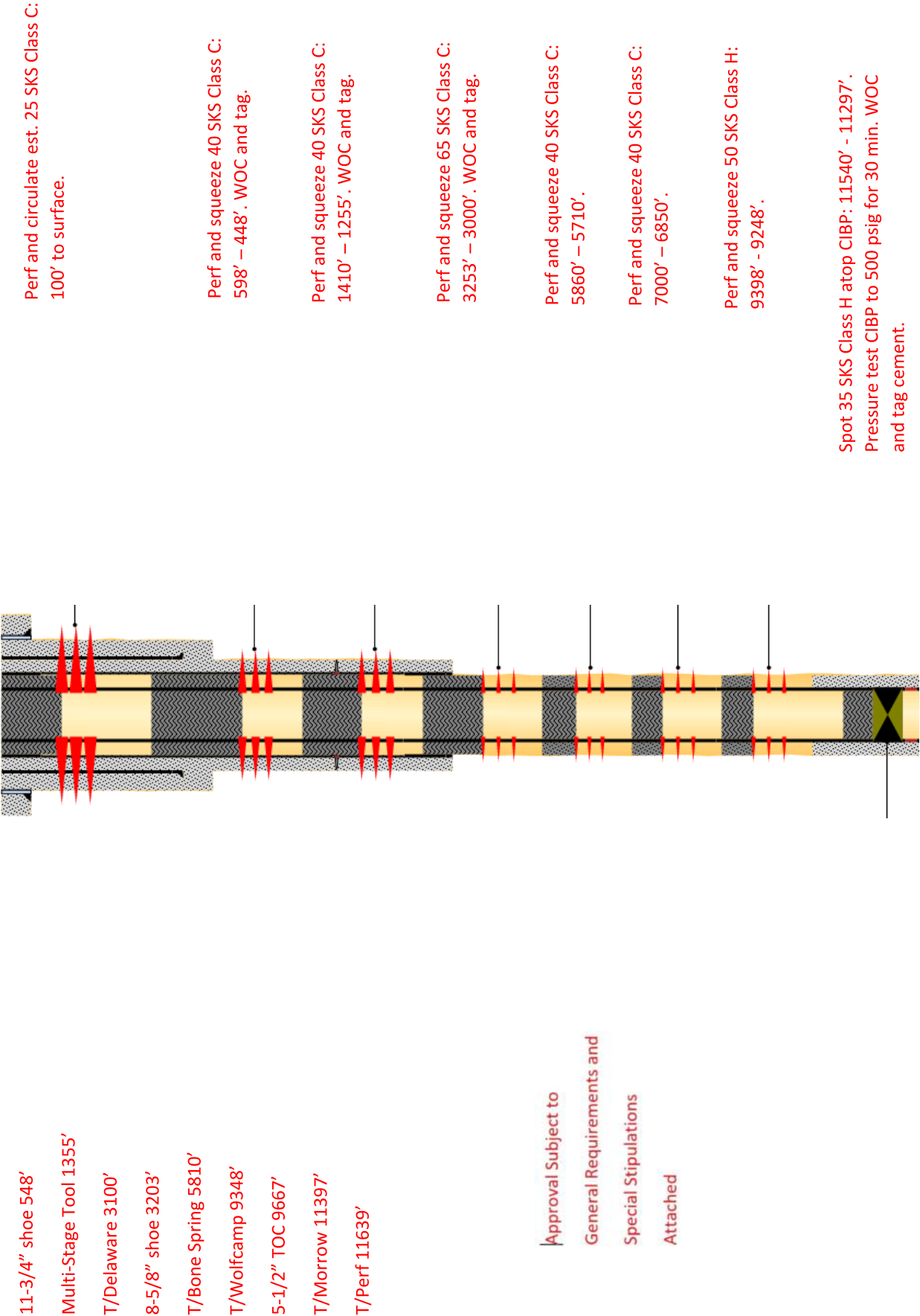
MASIP	MAOP	MAWP	Surface Csg Yield
1,000 psi	1,000 psi	3,000 psi	1,980 psi

SUMMARY: Plug and abandon wellbore according to BLM regulations.

- 1) MIRU plugging company. Set open top steel pit for plugging.
- 2) NU CT quad pack BOP, fish 1.5" coiled tubing string (est. 346' – 11653') if feasible).
- 3) ND WH and NU 3K manual BOP. Function test BOP.
- 4) Release Baker 45A4 Lok-Set packer at 11620'. Sting out of Baker DB permanent packer at 11685'. Note BHA.
- 5) POOH LD 2-3/8" tubing string and packer. After approx. 11 jts, top of coiled tubing fish should be at surface. NU CT quad pack BOP if necessary. Cut and LD 1.5" coiled tubing while POOH.
- 6) MIRU WLU, RIH GR sized for 5-1/2" 17.00# casing to 11550'. RIH CIBP and set at 11540'. Notify BLM. Pressure test CIBP to 500 PSIG for 30 min.
- 7) Spot 35 SKS Class H cement from 11540' to 11297' (T/Perf, T/Morrow). WOC, tag and notify BLM.
- 8) MIRU WLU, perforate at 9662'.
- 9) Squeeze 58 SKS Class H cement from 9662' to 9465' (T/Wolfcamp). WOC and Tag. (In 25 sxs/Out 33 sxs)
- 10) MIRU WLU, perforate at 6466'.
- 11) Squeeze 177 SKS Class C cement from 6466' to 5701' (3000' requirement). (In 76 sxs/Out 101 sxs) WOC and Tag.
- 12) MIRU WLU, perforate at 3250'.
- 13) Squeeze 65 SKS Class C cement from 3250' to 3000' (T/Delaware, 8-5/8" CSG shoe). WOC, tag and notify BLM. (In 25 sxs/Out 34 sxs)
- 14) MIRU WLU, perforate at 1405'.

- 17) Squeeze 328 SKS Class C cement from 1405' to surface' (Multi-stage tool, Capitan Reef, Base of Salt, Yates, Top of Salt, Shoe, Fresh Water, Surface plug) Verify at surface.
- 18) ND BOP and cut off wellhead 5' below surface. RDMO PU, transport trucks, and pump truck.
- 19) Set P&A marker.
- 20) Pull fluid from steel tank and haul to disposal. Release steel tank.

Big Eddy Unit 053 - Proposed WBD





Downhole Well Profile - with Schematic

Well Name: BIG EDDY UNIT 053

API/UWI 3001522075	SAP Cost Center ID 1135731001	Permit Number	State/Province New Mexico	County Eddy
Surface Location T21S-R28E-S08	Spud Date 4/28/1977 11:00			Original KB Elevation (ft) 3,208.10
				Ground Elevation (ft) 3,189.60

Wellbores			
Wellbore Name		Parent Wellbore	
Original Hole			
Start Depth (ftKB)		Profile Type	
Section Des		Hole Sz (in)	
Conductor		20	
Surface		15	
Intermediate		11	
Production		7 7/8	
Zones			
Zone Name		Top (ftKB)	
Morrow			
Casing Strings			
Csg Des	Set Depth (ftKB)	OD (in)	
Conductor	40.0	16	
Surface	548.0	11 3/4	
Intermediate	3,203.0	8 5/8	
Production	11,860.0	5 1/2	
Cement			
Des	Type	Start Date	
Conductor Cement	Casing	4/28/1977	
Surface Casing Cement	Casing	4/29/1977	
Intermediate Casing Cement	Casing	5/5/1977	
Intermediate Casing Cement	Casing	5/5/1977	
Cement Plug	Plug	7/3/1977	
Production Casing Cement	Casing	7/7/1977	
Tubing Strings			
Tubing Description		Run Date	
Tubing - Coiled		10/20/1980	
Item Des	OD (in)	Wt (lb/ft)	Grade
Parted 1" CT Fish	1.48		Jts
Perforations			
Date	Top (ftKB)	Btm (ftKB)	
7/26/1977	11,639.0	11,647.0	
7/26/1977	11,762.0	11,769.0	

Vertical schematic (actual)

MD (ftKB)	TVD (ftKB)	Incl (°)
18.4		
48.9		
72.2		
512.8		
546.9		
549.9		
1,355.6		
1,366.8		
2,042.3		
3,156.8		
3,185.0		
3,203.1		
5,825.1		
9,350.1		
10,436.0		
11,282.2		
11,580.1		
11,607.3		
11,618.1		
11,623.4		
11,630.2		
11,639.1		
11,652.9		
11,684.1		
11,688.0		
11,715.6		

Sundry ID 2698953

Plug Type	Top	Bottom	Length	Tag	Sacks	Notes
Surface Plug	0.00	100.00	100.00	Tag/Verify		
Fresh Water @ 365	311.35	415.00	103.65	base no		
Shoe Plug	492.52	598.00	105.48	Tag/Verify		
Top of Salt @ 665	608.35	715.00	106.65	Tag/Verify		
Yates @ 955	895.45	1005.00	109.55	base no		
Base of Salt @ 955	895.45	1005.00	109.55	Tag/Verify		
Capitan Reef @ 1200	1138.00	1250.00	112.00	base no need to		
DV tool plug	1291.45	1405.00	113.55	Tag/Verify	328.00	Perf and squeeze from 1405' to surface. (In 139 sxs/Out 189 sxs) Verify at surface.
Delaware @ 3100	3019.00	3150.00	131.00	base no		
Shoe Plug	3118.00	3250.00	132.00	Tag/Verify	65.00	Perf and squeeze from 3250' to 3000'. (In 25 sxs/Out 34 sxs) WOC and Tag.
Bonesprings @ 5810	5701.90	6466.00	764.10	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	177.00	Perf and squeeze from 6466' to 5701'. (In 76 sxs/Out 101 sxs) WOC and Tag.

				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		
Wolfcamp @ 9612	9465.88	9662.00	196.12	ns	58.00	Perf and Squeeze cement from 9662' to 9465'. (In 25 sxs/Out 33 sxs) WOC and Tag.
Morrow @ 11578	11412.22	11628.00	215.78	base no		
Perforations Plug (If No CIBP)	11480.53	11697.00	216.47	Tag/Verify		
				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		
CIBP Plug	11505.00	11540.00	35.00	ns	35.00	Set CIBP at 11540'. Leak Test CIBP. Spot cement from 11540' to 11412'.
Perforations Plug (If No CIBP)	11646.85	11865.00	218.15	Tag/Verify		
Shoe Plug	11691.40	11910.00	218.60	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 ft³/sx

Class H: 1.06 ft³/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		Bottom of Karst/take deepest fresh water/top of salt whichever is greater to surface	
	High		
Shoe @	548.00		
Shoe @	3200.00		
Shoe @	11860.00	TOC @	9667.00
Perforatons Top @	11639.00	Perforations	11647.00
Perforatons Top @	11762.00	Perforations	11815.00
DV Tool @	1355.00	CIBP @	11540.00

**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 **brine** 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.

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.

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 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

Trishia Bad Bear, Hobbs Field Station
Natural Resource Specialist
575-393-3612

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 157266

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 157266
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	11/10/2022