Well Name: NASH UNIT
Well Location: T23S / R30E / SEC 18 / SWNW /
County or Parish/State: EDDY / NM

Well Number: 42H
Type of Well: OIL WELL
Allottee or Tribe Name:

Lease Number: NMNM0556863
Unit or CA Name: NASH DRAW - DELAWARE
Unit or CA Number: NMNM70992C

US Well Number: 3001537194
Well Status: Producing Oil Well
Operator: XTO ENERGY INCORPORATED

Accepted for record – NMOCD gc 10/4/2022

Notice of Intent

Sundry ID: 2690842

Type of Submission: Notice of Intent
Type of Action: Plug and Abandonment

Date Sundry Submitted: 09/06/2022
Time Sundry Submitted: 01:00

Date proposed operation will begin: 09/19/2022

Procedure Description: XTO Energy inc respectfully submit a NOI to PA the well above. the WBD and procedure and proposed WBD attached below

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Nash_Unit_042_Proposed_WBD_20220906130002.pdf

Nash_Unit_042_Procedure_20220906125955.pdf

Nash_Unit_042_DHWP_20220906125930.pdf

Well Name: NASH UNIT

Well Location: T23S / R30E / SEC 18 / SWNW /

County or Parish/State: EDDY / NM

Well Number: 42H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM0556863

Unit or CA Name: NASH DRAW - DELAWARE

Unit or CA Number: NMNM70992C

US Well Number: 3001537194

Well Status: Producing Oil Well

Operator: XTO ENERGY INCORPORATED

Conditions of Approval

Specialist Review

NASH_UNIT_42H___2690842___COA_AND_PROCEDURE_20220923112030.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: CASSIE EVANS

Signed on: SEP 06, 2022 01:00 PM

Name: XTO ENERGY INCORPORATED

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:

BLM Point of Contact

BLM POC Name: KEITH P IMMATTY

BLM POC Title: ENGINEER

BLM POC Phone: 5759884722

BLM POC Email Address: KIMMATTY@BLM.GOV

Disposition: Approved

Disposition Date: 09/23/2022

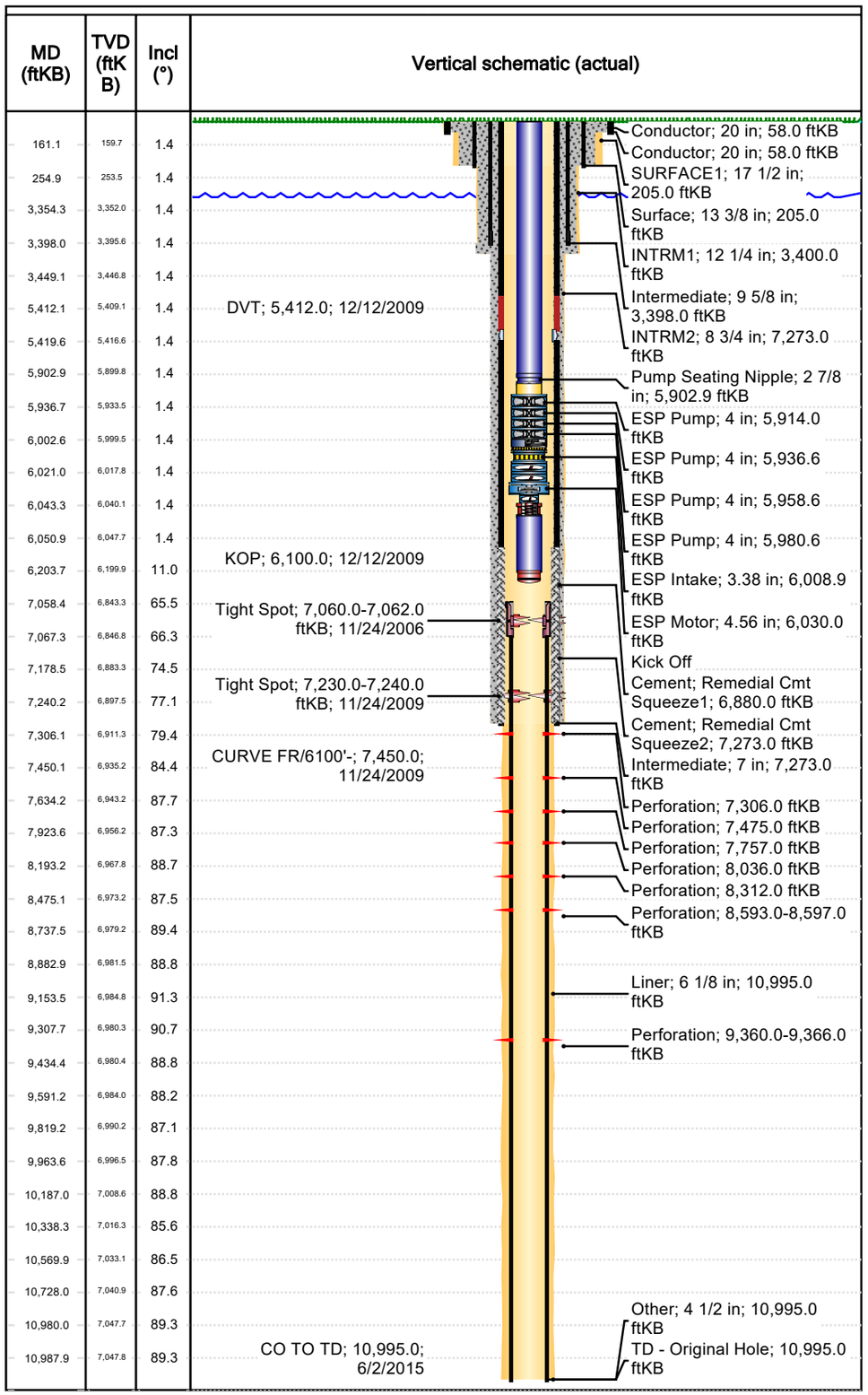
Signature: Keith Immatty

Downhole Well Profile - with Schematic

Well Name: NASH UNIT 042H

API/UWI	SAP Cost Center ID	Permit Number	State/Province	County
3001537194	1139041001	BLM	New Mexico	Eddy

Surface Location	Spud Date	Original KB Elevation (ft)	Ground Elevation (ft)	KB-Ground Distance (ft)	Surface Casing Flange Elevation (ft)
T23S-R29E-S12	11/14/2009 15:45	3,018.00	3,018.00	0.00	



Wellbores

Wellbore Name	Parent Wellbore	Wellbore API/UWI
Original Hole	Original Hole	3001537194

Start Depth (ftKB)	Profile Type
10.0	Horizontal

Section Des	Hole Sz (in)	Act Top (ftKB)	Act Btm (ftKB)
Conductor	20	10.0	58.0
SURFACE1	17 1/2	58.0	205.0
INTRM1	12 1/4	205.0	3,400.0
INTRM2	8 3/4	3,400.0	7,273.0
Liner	6 1/8	7,273.0	10,995.0

Zones

Zone Name	Top (ftKB)	Btm (ftKB)	Current Status
BRUSHY CANYON			

Casing Strings

Csg Des	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade
Conductor	58.0	20	94.00	J-55
Surface	205.0	13 3/8	48.00	H-40
Intermediate	3,398.0	9 5/8	36.00	K-55
Intermediate	7,273.0	7	26.00	HCP-110
Other	10,995.0	4 1/2	11.60	P-110

Cement

Des	Type	Start Date	Top (ftKB)	Btm (ftKB)
Surface Casing Cement	Casing	11/15/2009	10.0	205.0
Intermediate Casing Cement	Casing	11/19/2009	10.0	3,398.0
Intermediate Casing Cement	Casing	11/28/2009	5,416.0	7,273.0
Intermediate Casing Cement	Casing	11/28/2009	10.0	5,416.0
Remedial Cement Squeeze	Squeeze	12/2/2009	6,074.0	6,880.0
Remedial Cement Squeeze	Squeeze	12/2/2009	6,880.0	7,273.0

Tubing Strings

Tubing Description	Run Date	Set Depth (ftKB)
Tubing - Production	6/22/2017	6,204.2

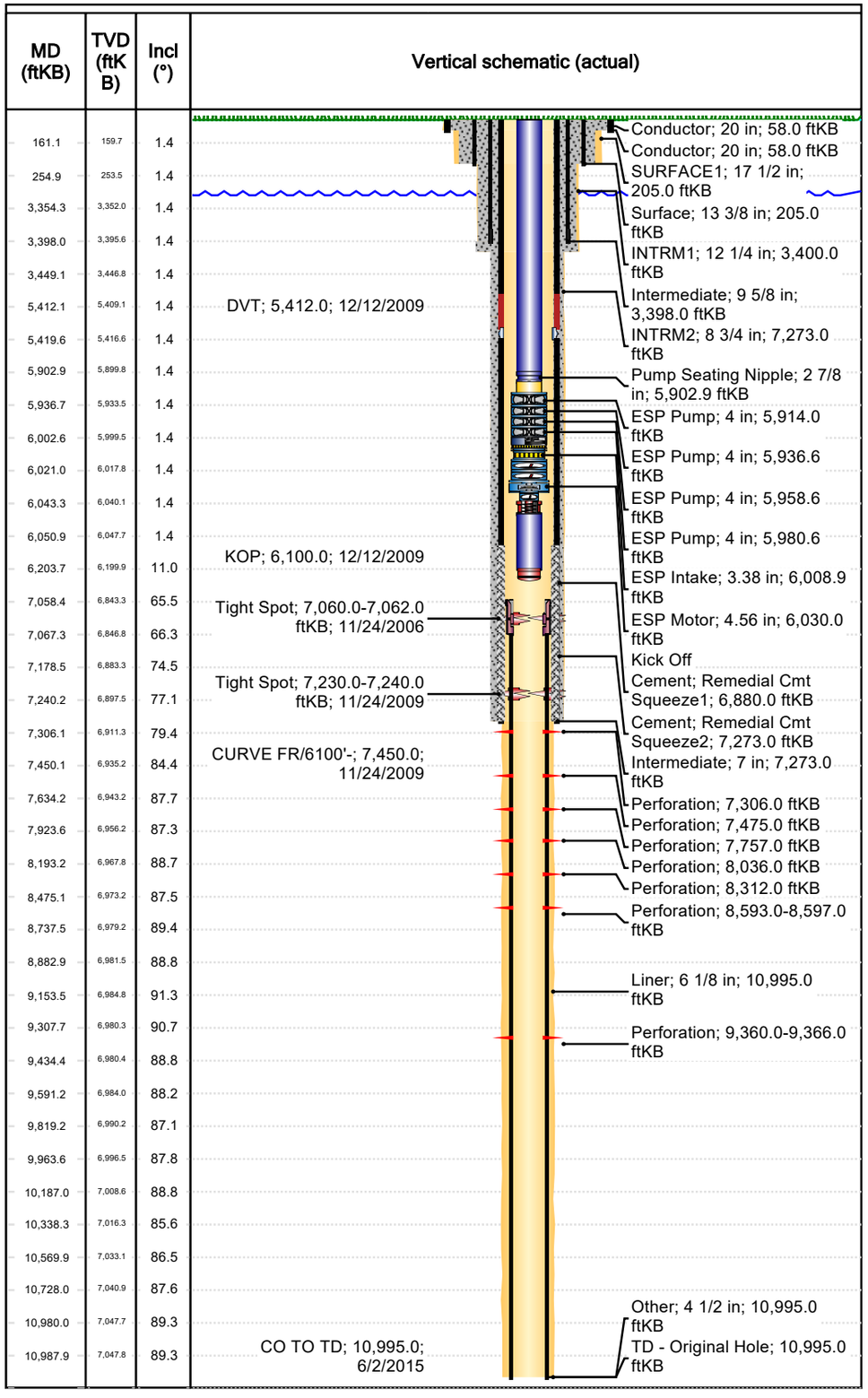
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	2 7/8	6.50	L-80	187	5,892.99	9.9	5,902.9
Pump Seating Nipple	2 7/8			1	1.10	5,902.9	5,904.0
Tubing Sub	2 7/8	6.50	N-80	1	10.00	5,904.0	5,914.0
ESP Pump	4			1	22.60	5,914.0	5,936.6
ESP Pump	4			1	22.00	5,936.6	5,958.6
ESP Pump	4			1	22.00	5,958.6	5,980.6
ESP Pump	4			1	22.00	5,980.6	6,002.6
ESP Gas Separator	4			1	6.30	6,002.6	6,008.9
ESP Intake	3.38			1	3.30	6,008.9	6,012.2
ESP Protector	4			1	8.90	6,012.2	6,021.1
ESP Protector	4			1	8.90	6,021.1	6,030.0
ESP Motor	4.56			1	11.30	6,030.0	6,041.3
ESP Pressure Sensor	2			1	1.87	6,041.3	6,043.2

Downhole Well Profile - with Schematic

Well Name: NASH UNIT 042H

API/UWI	SAP Cost Center ID	Permit Number	State/Province	County
3001537194	1139041001	BLM	New Mexico	Eddy

Surface Location	Spud Date	Original KB Elevation (ft)	Ground Elevation (ft)	KB-Ground Distance (ft)	Surface Casing Flange Elevation (ft)
T23S-R29E-S12	11/14/2009 15:45	3,018.00	3,018.00	0.00	



Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Desander	2 7/8	6.50	J-55	1	3.00	6,043.2	6,046.2
Tubing	2 7/8	6.40	L-80	5	157.50	6,046.2	6,203.7
Bull Plug	2 1/2			1	0.50	6,203.7	6,204.2

Other In Hole

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)
11/24/2006	Tight Spot	7	7,060.0	7,062.0
11/24/2009	Tight Spot	7	7,230.0	7,240.0
2/12/2010	ESP			6,289.0
3/3/2010	ESP			6,289.0
4/8/2011	ESP			6,304.0

Perforations

Date	Top (ftKB)	Btm (ftKB)	Linked Zone
4/8/2011	7,306.0	7,306.0	BRUSHY CANYON, Original Hole
4/8/2011	7,475.0	7,475.0	BRUSHY CANYON, Original Hole
4/8/2011	7,757.0	7,757.0	BRUSHY CANYON, Original Hole
4/8/2011	8,036.0	8,036.0	BRUSHY CANYON, Original Hole
4/8/2011	8,312.0	8,312.0	BRUSHY CANYON, Original Hole
4/8/2011	8,593.0	8,597.0	BRUSHY CANYON, Original Hole
1/30/2010	9,360.0	9,366.0	BRUSHY CANYON, Original Hole

Stimulation Intervals

Interval Number	Top (ftKB)	Btm (ftKB)	AIR (bbl/min)	MIR (bbl/min)	Proppant Total (lb)
1			40	41	0.0
2			50	10	0.0
3			50	10	0.0

Nash Unit 042 - Proposed WBD

13-3/8” shoe 205’

9-5/8” shoe 3398’

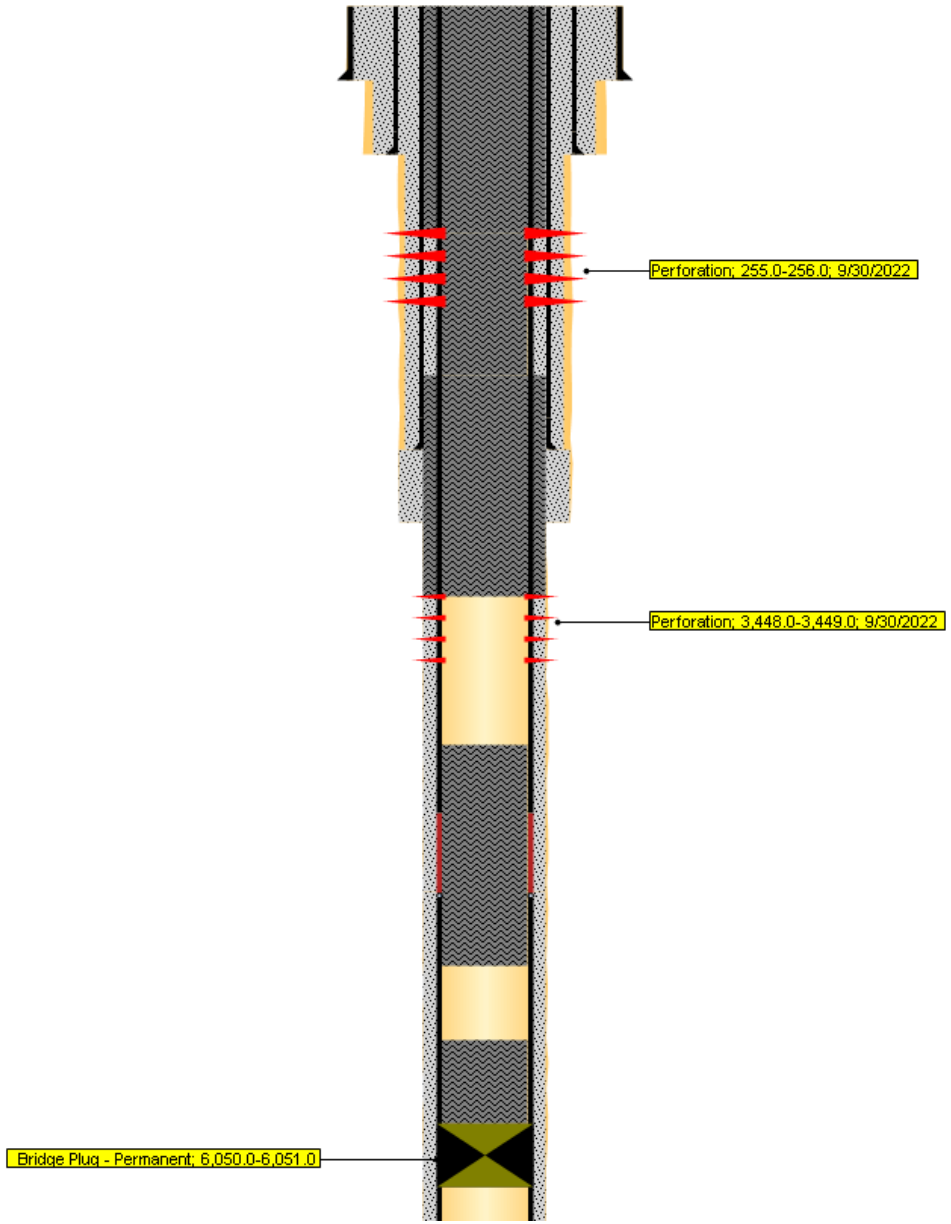
T/Salt 298’

B/ Salt 3118’

T/Delaware 3,118’

DV Tool 5412’

KOP 6100’



Perf and squeeze Class C: 255’ to surface.

Spot 500 SKS Class C: 3298’ – 255’.

Perf and squeeze 43 SKS Class C: 3448’ – 3298’.

Spot 25 SKS Class C: 5462’ – 5212’.

Spot 25 SKS Class C atop CIBP: 6050’ – 5800’. Pressure test CIBP to 500 psig for 30 min.

PLUG AND ABANDON WELLBORE
NASH UNIT 042
EDDY COUNTY, NEW MEXICO
Class I

MASIP	MAOP	MAWP	Surface Csg Yield
1,000 psi	1,000 psi	3,000 psi	1,730 psi

SUMMARY: Plug and abandon wellbore according to BLM regulations.

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

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

3) POOH and stand back 2-7/8" tubing, LD ESP.

4) MIRU WLU, RIH GR to 6100' (KOP), RIH set CIBP at 6050'. Notify BLM. RIH tubing, and spot 25 SKS Class C cement atop CIBP. Tag and pressure test to 500 psig for 30 min.

5) Spot 25 SXS Class C cement from 5462' to 5212' (DV Tool). WOC and Tag

6) MIRU WLU. Perforate at 3448'.

7) Squeeze 43 SXS Class C cement from 3448' to 3298' (9-5/8" CSG shoe). Notify BLM. WOC and Tag

8) Depths below might need to be adjusted based on where the plugs are tagged

9) Spot 500 SKS Class C cement from 3298' to 255' (B/Salt, T/Salt). Notify BLM. WOC and Tag

10) MIRU WLU. Perforate at 255'.

11) Squeeze Class C cement until returns at surface (Est. 75 SKS) (13-3/8" CSG shoe, surface plug). Notify BLM. Verify at surface

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

13) Set P&A marker.

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

KEITH IMMATTY

Digitally signed by KEITH IMMATTY
Date: 2022.09.23 11:17:30 -06'00'

Nash Unit 042 - Proposed WBD

When staging plugs, use previous tag depths as the starting depth for the upcoming plug

13-3/8" shoe 205'

9-5/8" shoe 3398'

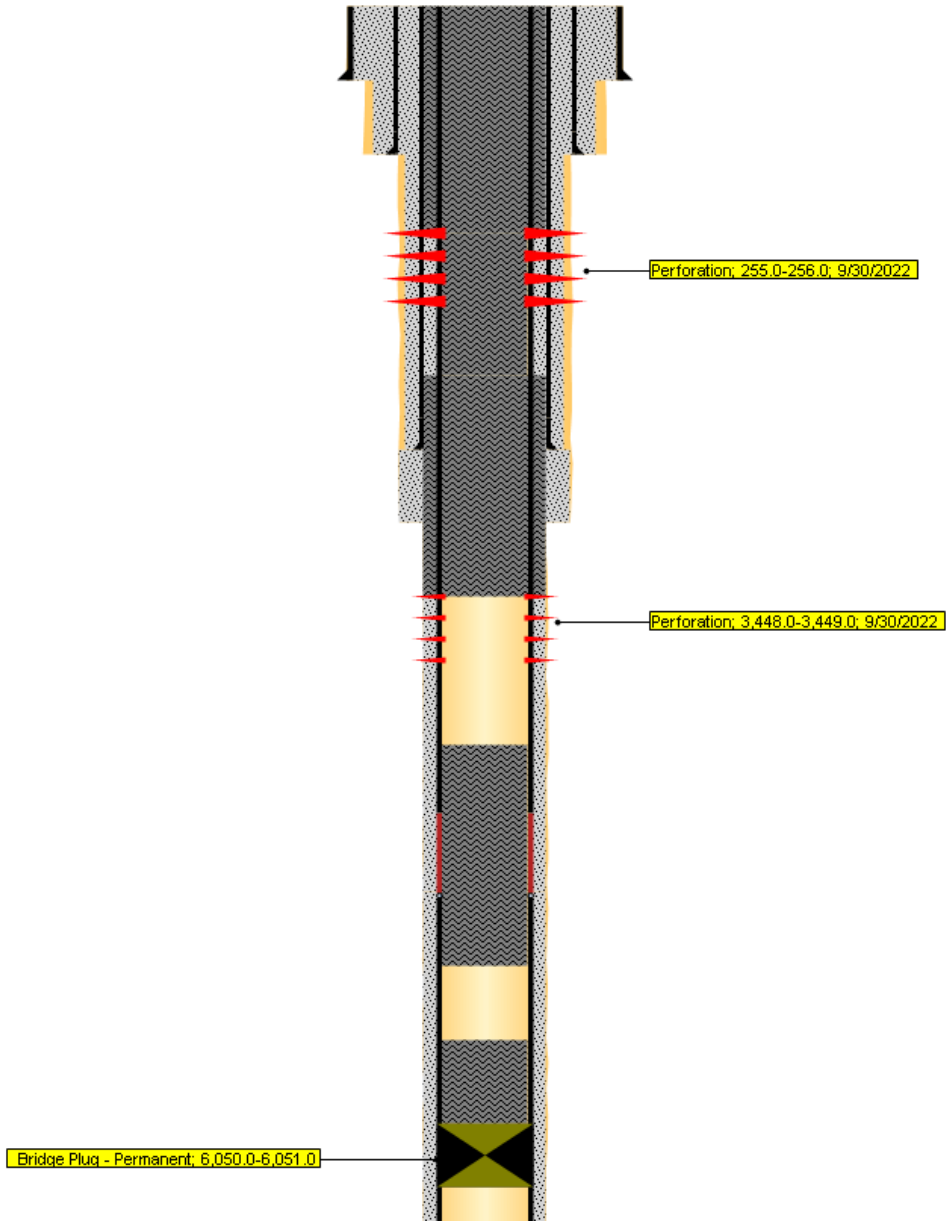
T/Salt 298'

B/ Salt 3118'

T/Delaware 3,118'

DV Tool 5412'

KOP 6100'



Perf and squeeze Class C: 255' to surface.

Spot 500 SKS Class C: 3298' – 255'.

Perf and squeeze 43 SKS Class C: 3448' – 3298'.

Spot 25 SKS Class C: 5462' – 5212'.

CIBP: 6050' – 5800'. Pressure test CIBP to 500 psig for 30 min. **Tag with tubing.** Spot 25 SKS Class C atop

Sundry ID	2690842					
Plug Type	**Top**	**Bottom**	**Length**	**Tag**	**Sacks**	**Notes**
Surface Plug	0.00	3448.00	3448.00	WOC and Tag		R111P potash. Shoe plug brought to surface. Operator choosing to perf and sqz
Shoe Plug	152.95	255.00	102.05	WOC and Tag		Covered by shoe plug brought to surface
Top of Salt @ 298	245.02	348.00	102.98	Verify circulated to surface		Covered by shoe plug brought to surface
Base of Salt @ 3118	3036.82	3168.00	131.18	WOC and Tag		Covered by shoe plug brought to surface
Delaware @ 3118	3036.82	3168.00	131.18	WOC and Tag		Covered by shoe plug brought to surface
Shoe Plug	0.00	3448.00	3448.00	WOC and Tag		Operator bringing this to surface. R111P. Operator choosing to perf and sqz
DV tool plug	5307.88	5462.00	154.12	WOC and Tag	25.00	
CIBP Plug	6015.00	6050.00	35.00	WOC and Tag	25.00	Leak test 500psi. CIBP can be tagged instead of the cement plug

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.
Critical, High Cave Karst: Cave Karst depth to surface
R111P: Solid plug in all annuli - 50' from bottom 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	R111-P	50 Feet from Base of Salt to Surfac	500.00

Shoe @	205.00
Shoe @	3398.00
Shoe @	7273.00

DV Tool @	5412.00	CIBP @	6050.00

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 146605

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 146605
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	10/4/2022