

Well Name: COOPER 29 FEDERAL	Well Location: T25S / R29E / SEC 29 / NWSW /	County or Parish/State: EDDY / NM
Well Number: 1H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM100555	Unit or CA Name: 1H-COOPER 29 FED COM	Unit or CA Number: NMNM122691
US Well Number: 3001536932	Well Status: Temporarily Abandoned	Operator: XTO ENERGY INCORPORATED

Notice of Intent

Sundry ID: 2668731

Type of Submission: Notice of Intent	Type of Action: Recompletion
Date Sundry Submitted: 04/26/2022	Time Sundry Submitted: 02:04
Date proposed operation will begin: 05/09/2022	

**Procedure Description:** XTO Energy, Inc respectfully request a NOI to recomplete the well above by temporarily abandoning the current Bone Spring perforations and recompleting in the Avalon Shale formation. We currently have an approved TA procedure requesting this and the attached procedure is to recomplete in the Avalon Shale.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Cooper\_29\_Federal\_001H\_\_\_Proposed\_WBD\_20220426140327.pdf
- Cooper\_29\_Fed\_001\_\_\_Recompletion\_Procedure\_20220426140312.pdf

Received by OCD: 9/29/2023 8:59:14 PM

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Conditions of Approval

Specialist Review

Cooper\_29\_Fed\_001\_\_\_Recompletion\_Procedure\_20220426155336.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: APR 26, 2022 02:03 PM

Name: XTO ENERGY INCORPORATED

Title: Regulatory Analyst

Street Address: 6401 Holiday Hill Road, Bldg 5

City: MidlandState: 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: ZOTA M STEVENS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752345998

BLM POC Email Address: ZSTEVENS@BLM.GOV

Disposition: Approved

Disposition Date: 04/26/2022

Signature: Zota Stevens

Form 3160-5  
(June 2019)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No. NMNM100555

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator XTO ENERGY INCORPORATED

3a. Address 222777 SPRINGWOODS VILLAGE PKWY, SP 3b. Phone No. (include area code)  
(817) 870-28004. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SEC 29/T25S/R29E/NMP7. If Unit of CA/Agreement, Name and/or No.  
1H-COOPER 29 FED COM/NMNM122691

8. Well Name and No. COOPER 29 FEDERAL/1H

9. API Well No. 3001536932

10. Field and Pool or Exploratory Area  
ROCK SPUR-BONE SPRING/ROCK SPUR-BONE SP11. Country or Parish, State  
EDDY/NM

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

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

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

XTO Energy, Inc respectfully request a NOI to recompleate the well above by temporarily abandoning the current Bone Spring perforations and recompleating in the Avalon Shale formation. We currently have an approved TA procedure requesting this and the attached procedure is to recompleate in the Avalon Shale.

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

Title Regulatory Analyst

(Electronic Submission)  
Signature

Date 04/26/2022

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

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

Title Petroleum Engineer

Date 04/26/2022

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

Office CARLSBAD

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

(Instructions on page 2)

## GENERAL INSTRUCTIONS

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

## SPECIFIC INSTRUCTIONS

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

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

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect 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

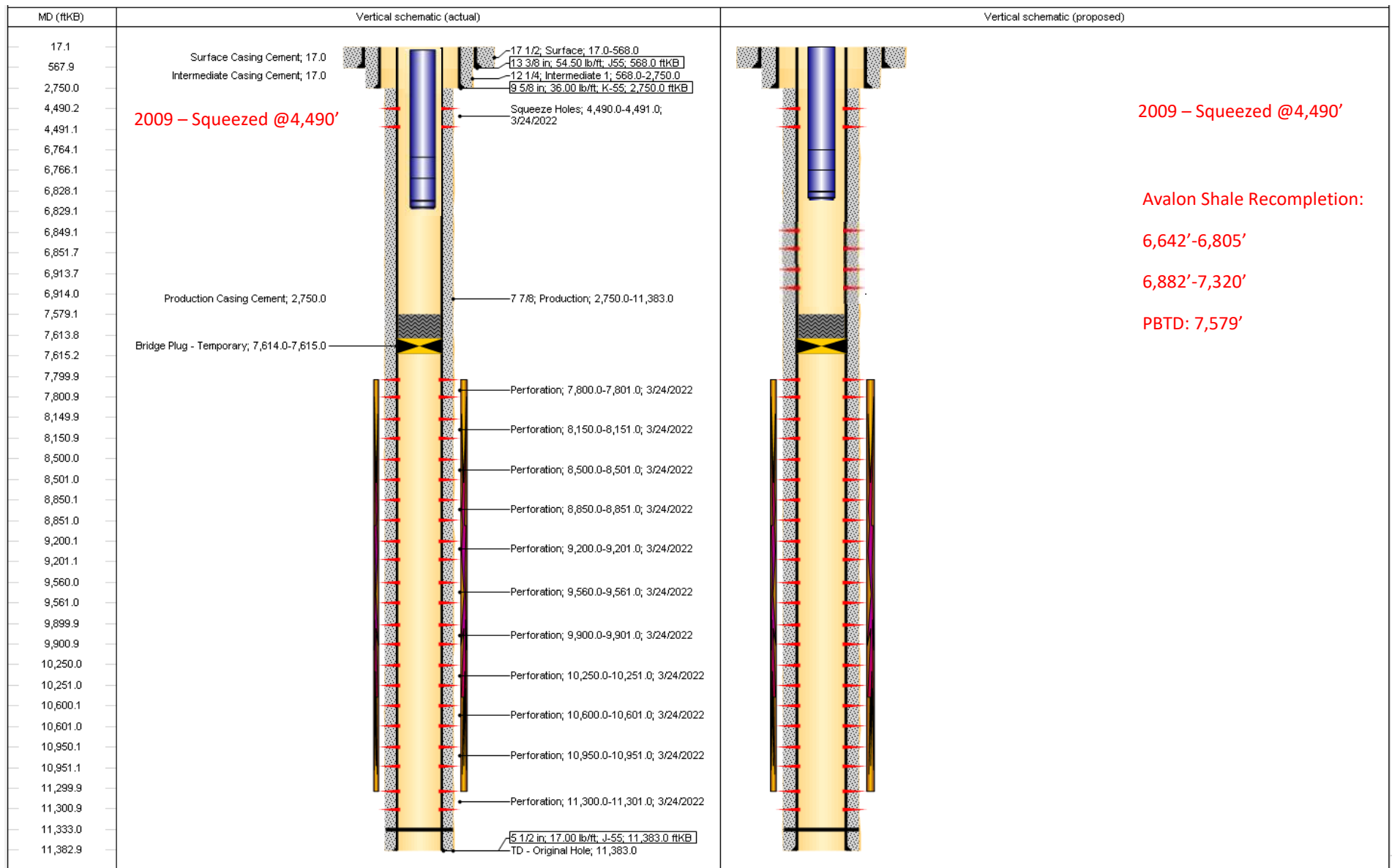
## **Additional Information**

### **Location of Well**

0. SHL: NWSW / 2230 FSL / 560 FWL / TWSP: 25S / RANGE: 29E / SECTION: 29 / LAT: 0.0 / LONG: 0.0 ( TVD: 0 feet, MD: 0 feet )

BHL: NESE / 1980 FSL / 350 FEL / TWSP: 25S / RANGE: 29E / SECTION: 29 / LAT: 0.0 / LONG: 0.0 ( TVD: 0 feet, MD: 0 feet )

# Cooper 29 Federal 1H - Current and Proposed WBD's





**Cooper 29 Federal 001H  
OAP & FRAC PROCEDURE  
4/25/2022**

**Recomplete the Avalon Shale**

**AFE# 2202642**

**CASING:** Surface: 13-3/8" 54.5# J-55 csg fr/ surf to 568'.  
Intermediate: 9-5/8" 36# K-55 csg fr/ surf to 2,750'.  
Production: 5-1/2" 17# J-55 csg fr/ surf to 11,383'.

**EXISTING PBTD:** 7,579'

**DESIGN PBTD:** 7,579'

**EXISTING PERFS:** 7,800' – 10,951' Bone Spring

**CURRENT STATUS:** Inactive, Temporarily Abandoned

**WELL CLASS:** Class IV Wellbore, MASIP or MAOP is >1500 to 3,000 psig.

**OBJECTIVE:** RC AVALON SHALE. PUMP SAND FRAC, & RWTP.

1. Set 20 - 500 bbl frac tanks. Fill each tank w/FW (Nalco to treat tanks w/Biocide prior to frac per recommendation). Frac fluids will be mixed on the fly. Total volume includes tank bottoms.
2. Kill well with FW.
3. MIRU PU.
4. MI  $\pm 7,579'$  of 3-1/2", 9.3#, L-80 WS for frac &  $\pm 7,579'$  of 2-7/8", 6.5#, L-80 WS for CO. (w/special clearance collars) for CO. Have yard rattle, drift & clean 3-1/2" pipe prior to sending out.
5. ND WH & NU Class IV BOP. Scan out tubing & hydrotest the 2-7/8" tbg string out of hole. Stand back WS for CO.
6. RIH w/ bit & scraper w/ 2-7/8" tbg string. CO well to 7,579'. Circulate 2% KCL. TOH LD 2-7/8" tbg string.



**Cooper 29 Federal 001H  
OAP & FRAC PROCEDURE  
4/25/2022**

7. MIRU WL. RIH w/ WL CBL to 7,579'. Correlate to Schlumberger (4/7/2006) OHL & perforate the following intervals using: Expendable perf guns loaded with Titan charges (22.7 gm., 0.43" EHD, 37.02" penetration).

Note: Correlate w/ gamma gun

8. RIH w/ WL and perf intervals w/ Titan prospector charges as follows:

Interval	UPPER, MD (ft)	LOWER, MD (ft)	SPF	# SHOTS	Phasing (DEGREES)
1	6,642	6,805	2	14	60
2	6,882	7,320	2	34	60

9. POOH w/ WL.
10. MI 3-1/2" WS. RIH and Hydrotest w/ 5-1/2" 10K Arrowset 1-X packer to 7,500 psi.
11. TIH w/ 5-1/2" 10K Globe Arrowset 1-X packer w/on-off tool & 2.25" frac hardened PN on 3-1/2" WS to  $\pm 6,400'$  (w/ 1 jt 2-7/8" tbg above packer for fishing neck). Set packer.
12. Ld tubing on BPV prep'd hanger. NU WSI provided 7-1/16" x 3-1/8" B2 adaptor w/extended neck seal, 2 - 3-1/8" 10K frac valves & 10K frac-Y. PT frac assy. RDMO PU.
13. Acidize w/ 2,000 gals of 15% NEFE HCl acid across perfs w/ low temperature bio balls (close production casing valve to apply pressure while spotting, stay at/under 500 psi). Record 5, 10, and 15 min. ISIP.
14. RU Frac Company. Hold 500 psi on backside and monitor. Frac Delaware perforations fr/ 6,642' – 7,320' down 3-1/2" tbg w/ HVFR fluid system and 100 mesh and 40/70 sand at 40 BPM & 7,500 psi (max) as per following schedule. Flush when inline density reads 3 ppg w/2,201 gals slick water (2 bbls short of top perf). Test lines to 8,500 psi. Set TBG inline relief valve @ 7,500 psi & pump kill switches @ 7,300 psi. Max pressure @ 7,500 psi. RD Frac Company.





**Cooper 29 Federal 001H  
OAP & FRAC PROCEDURE  
4/25/2022**

Duration	Stage	Stage Description	Clean Vol	Rate	DH Prop Con.	Absolute Voume	Surface Clean Rate	Stage Dirty	Stage Clean	Stage Prop	Prop Rate (#/min)	Sand Type	Fluid Type
0.6	1	Load	1000	40	0	1.00	40.0	23.8	23.8	0	0		Slickwater
1.5	2	Acid	2500	40	0	1.00	40.0	59.5	59.5	0	0		Acid
6.0	3	Pad	10000	40	0	1.00	40.0	238.1	238.1	0	0		HVFR
4.2	4	.25# Resin	7000	40	0.25	1.01	39.6	168.6	166.7	1750	415	40/70 Resin	HVFR
4.8	5	.50# Resin	8000	40	0.5	1.02	39.1	194.8	190.5	4000	821	40/70 Resin	HVFR
4.2	6	.75# Reg	7000	40	0.75	1.03	38.7	172.3	166.7	5250	1219	100 mesh	HVFR
4.2	7	1# Reg	7000	40	1	1.05	38.3	174.2	166.7	7000	1607	100 mesh	HVFR
6.0	8	1.25# Reg	10000	40	1.25	1.06	37.9	251.6	238.1	12500	1988	100 mesh	HVFR
6.5	9	1.50# Reg	11000	40	1.5	1.07	37.5	279.7	261.9	16500	2360	100 mesh	HVFR
8.9	10	1.75# Reg	15000	40	1.75	1.08	37.1	385.4	357.1	26250	2724	100 mesh	HVFR
8.0	11	2# Reg	13500	40	2	1.09	36.7	350.5	321.4	27000	3081	100 mesh	HVFR
7.4	12	2# Resin	12500	40	2	1.09	36.7	324.6	297.6	25000	3081	40/70 Resin	HVFR
2.4	13	Spacer	4000	40	0	1.00	40.0	95.2	95.2	0	0		HVFR
2.4	15	Flush	4000	40	0	1.00	40.0	95.2	95.2	0	0		HVFR
66.4									<b>Total Prop=</b>	<b>125,250.00</b>			

15. Record 5, 10 and 15 min ISIP.
16. MIRU flow-back equip. Flow well back for clean-up, rate, and oil/ water cut. Flow well back into frac tanks. When fluid cleans up (12-24 hrs), send fluid down the flowline until well is able to be killed using 10# BW.
17. MIRU PU. Flush tubing w/10# or equivalent KWF. Rel packer. TOH & LD 3-1/2" tubing & packer.
18. TIH w/ bit on 2-7/8" tbg. CO sd to PBTD @ 7,579'. Circ well clean. TOH w/ 2-7/8" tbg. LD bit.
19. Install the specified Rodstar design for lift equipment design. Shoot fluid level before start-up of pumping unit.
20. RDMO PU.
21. RWTP & test well as necessary.



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OAP & FRAC PROCEDURE  
4/25/2022**

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**OBJECTIVE:** RC AVALON SHALE. PUMP SAND FRAC, & RWTP.

1. RIH and Tag the plug.
2. Set 20 - 500 bbl frac tanks. Fill each tank w/FW (Nalco to treat tanks w/Biocide prior to frac per recommendation). Frac fluids will be mixed on the fly. Total volume includes tank bottoms.
3. Kill well with FW.
4. MIRU PU.
4. MI  $\pm 7,579'$  of 3-1/2", 9.3#, L-80 WS for frac &  $\pm 7,579'$  of 2-7/8", 6.5#, L-80 WS for CO. (w/special clearance collars) for CO. Have yard rattle, drift & clean 3-1/2" pipe prior to sending out.
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OAP & FRAC PROCEDURE  
4/25/2022**

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1.5	2	Acid	2500	40	0	1.00	40.0	59.5	59.5	0	0		Acid
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6.5	9	1.50# Reg	11000	40	1.5	1.07	37.5	279.7	261.9	16500	2360	100 mesh	HVFR
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8.0	11	2# Reg	13500	40	2	1.09	36.7	350.5	321.4	27000	3081	100 mesh	HVFR
7.4	12	2# Resin	12500	40	2	1.09	36.7	324.6	297.6	25000	3081	40/70 Resin	HVFR
2.4	13	Spacer	4000	40	0	1.00	40.0	95.2	95.2	0	0		HVFR
2.4	15	Flush	4000	40	0	1.00	40.0	95.2	95.2	0	0		HVFR
66.4									<b>Total Prop=</b>	<b>125,250.00</b>			

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18. TIH w/ bit on 2-7/8" tbg. CO sd to PBTD @ 7,579'. Circ well clean. TOH w/ 2-7/8" tbg. LD bit.
19. Install the specified Rodstar design for lift equipment design. Shoot fluid level before start-up of pumping unit.
20. RDMO PU.
21. RWTP & test well as necessary.

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

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

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

**The rig used for the Recomplete 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 Recomplete operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

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.

7. Subsequent Recomplete Reporting: Within 30 days after Recomplete work is completed, file one original and three copies of the Subsequent Report of Recomplete, Form 3160-5 to BLM. The report should give in detail the manner in which the recompletion 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 recompleted.**

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.

**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**

COMMENTS  
  
Action 270907

COMMENTS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 270907
	Action Type: [C-103] NOI Workover (C-103G)

COMMENTS

Created By	Comment	Comment Date
dmccclure	Work already conducted.	10/4/2023

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CONDITIONS  
  
Action 270907

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 270907
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	Prior to conducting work which alters a well's construction, the Operator is required to submit and receive approval of a NOI for that work from the Division.	10/4/2023