

Well Name: NELSON	Well Location: T26N / R12W / SEC 14 / SWNE / 36.49118 / -108.077026	County or Parish/State: SAN JUAN / NM
Well Number: 2	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: N00C14204324	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004525237	Operator: EPIC ENERGY LLC	

**Notice of Intent**

Sundry ID: 2816098

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 10/09/2024	Time Sundry Submitted: 08:32
Date proposed operation will begin: 10/09/2024	

Procedure Description: Epic Energy LLC proposed to plug and abandon the Nelson #2. Attached is the P&A Summary, WBD and Reclamation Plan.

**Surface Disturbance**

Is any additional surface disturbance proposed?: No

**NOI Attachments**

Procedure Description

Nelson\_2\_P\_A\_Summary\_WBD\_Rec\_Plan\_20241009083203.pdf

<b>Well Name:</b> NELSON	<b>Well Location:</b> T26N / R12W / SEC 14 / SWNE / 36.49118 / -108.077026	<b>County or Parish/State:</b> SAN JUAN / NM
<b>Well Number:</b> 2	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b> EASTERN NAVAJO
<b>Lease Number:</b> N00C14204324	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3004525237	<b>Operator:</b> EPIC ENERGY LLC	

### Conditions of Approval

### Additional

General\_Requirement\_PxA\_20241018095003.pdf

2816098\_NOIA\_2\_3004525237\_KR\_10182024\_20241018094910.pdf

Nelson\_2\_P\_A\_GeoReport\_20241017155915.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: ARLEEN SMITH

Signed on: OCT 09, 2024 08:32 AM

**Name:** EPIC ENERGY LLC

**Title:** Regulatory Specialist

**Street Address:** 332 RD 3100

City: AZTEC

State: NM

**Phone: (505) 327-4892**

Email address: ARLEEN@WALSHENG.NET

## Field

**Representative Name:**

**Street Address:**

City:

**State:**

Zip:

Phone:

Email address:

### BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

**BLM POC Title:** Petroleum Engineer

**BLM POC Phone: 5055647742**

**BLM POC Email Address:** [krennick@blm.gov](mailto:krennick@blm.gov)

**Disposition:** Approved

Disposition Date: 10/18/2024

**Signature:** Kenneth Rennick

P&A Procedure  
EPIC Energy – Nelson #2

Gallegos Gallup Unit

1520' FNL & 1605' FEL, Section 14, T26N, R12W

San Juan County, New Mexico, API #30-045-25237

**Plug & Abandonment Procedure:**

Note: All cement volumes use 100% excess outside casing and 50' excess inside pipe. Stabilizing wellbore fluid will be 8.33 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Class G neat 1.15 ft<sup>3</sup>/sk or equivalent.. Cement circulated on 2<sup>nd</sup> stage of production casing string recorded via Sundry 1.06.1982. Volumes calculated off 4-1/2" 10.5# casing. Mechanical integrity will be demonstrated by NMAC 19.15.25.14.

**Prior to Mobilization**

1. Notify BLM & NMOCD
2. Verify all cement volumes based on actual slurry to be pumped. Calculations based on 1.15 ft<sup>3</sup>/sk.
3. Comply with all COA's from BLM and NMOCD

**P&A Procedure**

1. MIRU Service Unit and required cement equipment.
  2. LD horse head. LD stuffing box and polished rods/pump (hot oil if necessary).
  3. ND WH, NU BOP, RU rig floor and 2 3/8" handling tools.
  4. POOH 2 3/8" production string set at 3643'.
    - a. Plan on scanning pipe while TOOHL.
  5. TIH with 4 1/2" casing scraper to 5025'. TOOHL LD 4 1/2" scraper.
  6. TIH with CIRC and set @ 4990'. Roll hole with fresh water. PT tubing to 500 psi. PT casing to 500 psi.
  7. Run CBL
- 
1. Plug #1, 4890' – 4990' (Gallup top: 4912', Perfs 5040' – 5194'): Sting out of CIRC, mix & spot 13 sxs (13.8 ft<sup>3</sup>) minimum of Class G neat cement on top of CIRC in balanced plug. PU 200' above plug reverse circulate to clean tubing. WOC and tag plug if unable to demonstrate mechanical integrity per NMAC 19.15.25.14. Re-spot cement if necessary.
  2. Plug #2, 3816' – 4124' (DV Tool & Pt. Lookout): Mix & spot 25 sx (28.75 ft<sup>3</sup>) minimum Class G neat cement in balanced plug. PU 100' above plug and reverse circulate tubing clean. WOC and tag plug if unable to demonstrate mechanical integrity per NMAC 19.15.25.14. Re-spot cement if necessary.

3. **Plug #3, 2167' – 2267' (Cliffhouse):** Mix & spot 23 sx (26.45 ft<sup>3</sup>) minimum Class G neat cement in balanced plug. PU 100' above plug and reverse circulate tubing clean. WOC and tag plug if unable to demonstrate mechanical integrity per NMAC 19.15.25.14. Re-spot cement if necessary.
4. **Plug #4, 1300' – 1483' (Fruitland/Pictured Cliffs):** Mix & spot 20 sx (23.0 ft<sup>3</sup>) minimum Class G neat cement in balanced plug. PU 100' above plug and reverse circulate tubing clean. WOC and tag plug if unable to demonstrate mechanical integrity per NMAC 19.15.25.14. Re-spot cement if necessary.
5. **Plug #5, 214' – 314' (Ojo Alamo/ 8-5/8" Surface Shoe):** , mix & spot 13 sxs (13.8 ft<sup>3</sup>) minimum of Class G neat cement in balanced plug. PU 100' above plug reverse circulate to clean tubing. Circulate to surface to if warranted by CBL. WOC and tag plug if unable to demonstrate mechanical integrity per NMAC 19.15.25.14. Re-spot cement if necessary.
6. **Plug #6, Surface' – 100' (Surface):** RIH w/ WL and shoot 3 spf, 50' above TOC as determined by CBL. Ensure BH open and attempt to establish circulation. Mix and pump 50 sx (57.5 ft<sup>3</sup>) Class G neat cement or until cement circulates to surface. Top off surface casing as required.
7. **ND BOP and cut off wellhead below surface casing flange, top off casing and annulus as necessary.** Install P&A marker and cut off and/or remove anchors. RD, MOL - Restore location per BLM stipulations. Take pictures from all cardinal directions. Ensure to notify project management of all remaining equipment on location once plugging is complete.

---

Kyle T. Mason  
Engineer



Date Drawn: OCT 2024 (KM)



Plug #1: 4890' - 4990'  
Class G neat, 13 sx (14.95 ft³)  
Set CICR at 4990'

Tubing Record					
8' tbg sub, 113jts of 2-3/8" tbg, 4-1/2" AS-1X Pkr, 48jts 2-3/8" tbg, SN					
EOT	SN	Pkr			
5199.31'	5198.21'	3643'			

PBTD: 5280' KB  
TD: 5279' KB

Production Tubing Detail						
	Length	WT	Grade	Thread	Top	Bottom
KB Adjustment	12.00				0	12.00
113lbs of 2-3/8" tbg + 8' Tbg Sub	3625.51	4.70			12.00	3637.51
4-1/2" AS-1X Packer	6.19				3637.51	3643.70
48lbs of 2-3/8" tbg	1554.51	4.70			3643.70	5198.21
SN	1.10				5198.21	5199.31

Rod Detail - UNK						
					Top	Bottom
5 1-1/4" SB						
200 3/4" guided rods						
2ea 8' & 1ea 4' 3/4" pony rods						
22" PR						
Pump details						
2"x1-1/4"x10"x10.5"x14.5" RHAC						

<b>Pumping Unit:</b>		<b>Gear Sheave:</b>	
<b>API Designation:</b>		<b>Stroke Length:</b>	
<b>Samson Post SN:</b>		<b>Gear Ratio:</b>	
<b>Gear Box SN:</b>		<b>SPM:</b>	
<b>Structural Unbalance:</b>		<b>Horse Power:</b>	
<b>Power:</b>		<b>Volts:</b>	
<b>Power SN:</b>		<b>Amps:</b>	
<b>Sheave Size:</b>		<b>Belts:</b>	

[illegible][illegible]

[illegible]



**Final Reclamation Plan****Nelson #002****30-045-25237****Section: 14 Township: 26N, Range: 12W, Unit: G****Footage: 1520 FNL & 1605 FEL****36.4912567, -108.077507****Final Reclamation – General Requirements**

The entire well pad will be reclaimed to Bare Soil Reclamation Procedure (BSRP) reclamation standard upon abandonment/relinquishment. Final reclamation will be completed in accordance with Gold Book (USDI-USDA 2007). Epic Energy, LLC will contact the BLM-FFO and BIA prior to commencing earthwork.

Epic Energy, LLC will perform the following reclamation activities as needed:

- Underground production piping will be pulled and removed. All fluids found within pipelines will be removed.
- Anchors, tie downs and risers will be removed.
- All gravel on the well pad surface will be removed or buried.
- Fill material will be recontoured to the original topography of the site prior to development.
- The well pad will be ripped to reduce compaction and to establish a suitable root zone in preparation for topsoil replacement.
- Natural drainage patterns will be restored as near as possible to pre-disturbance conditions on the well pad. In areas where restoring the natural drainage will cause excessive disturbance and disrupt current or established natural rehabilitation processes, water bars or diversion ditches will be employed.
- Topsoil will be redistributed across the pad surface and disked to prepare the soil for seeding. Prior to seeding, all disturbed areas will be left with a rough surface to facilitate moisture and seed retention; vegetative brush will be placed at expected discharge areas to minimize sediment transport.
- After the well pad is recontoured, the surface will be ripped disked and reseeded with a disk typed seed drill or broadcast where conditions warrant. The seed drill will be equipped with a depth regulator to ensure even planting depths are achieved correlating to the specific plant species and soil types/s. Seed will be sagebrush, will be available to the BLM-FFO and BIA prior to seeding. Seeding will be accomplished as soon as reasonable possible following completion or earthwork activities. The BLM- FFO and BIA, will be notified prior to commencing with seed application and all surfaces will be seeded in accordance.
- Temporary and/or permanent storm water and erosion control BMPs will be employed across appropriate location around the pad as dictated by location drainage patterns and expected areas of disturbance and slopes. BMP selection will be determined by local factors and will be a combination of sediment and erosion controls deemed effective and low maintenance. Diversion ditches, soil blankets, and/or other suitable BMPs may be used in various combinations, as appropriate, during and after construction activities.
- The existing road will be recontoured in accordance with Gold Book (USDI-USDA 2007).

**Final Reclamation Plan  
Nelson #002  
30-045-25237  
Section: 14 Township: 26N, Range: 12W, Unit: G  
Footage: 1520 FNL & 1605 FEL  
36.4912567, -108.077507**

**Final Reclamation – General Requirements**

- A weed management program to control the introduction and spread of weed populations will be integrated if necessary and continue until successful reclamation is achieved.
- All surface equipment and trash, if any will be removed from the location and disposed of at an approved disposal facility.
- A Plugged and Abandoned (P&A) marker is placed and includes well information and GPS for future reference.

The long-term goal of final reclamation is to set the course for ecosystem restoration including the restoration of natural vegetation. Epic Energy LLC will avoid disturbance, to the greatest extent practicable in areas along the pad perimeter where healthy, mature and weed-free vegetation has become established. Epic Energy, LLC will focus reclamation efforts toward de-compaction, removing sharp/angular features to approximate natural contours, re-establishing natural drainage patterns, and re-vegetating the abandoned well pad.

Monitoring requirements will remain in effect in accordance with the Gold Book (USDI-USDA 2007). Epic Energy, LLC is responsible for monitoring reclamation progress and taking the necessary actions to ensure success. Epic Energy, LLC will submit to the BLM-FFO and BIA a FAN requesting approval of final abandonment/relinquishment.



**Final Reclamation Plan  
Nelson #002  
30-045-25237  
Section: 14 Township: 26N, Range: 12W, Unit: G  
Footage: 1520 FNL & 1605 FEL  
36.4912567, -108.077507**

**Site Specific per Onsite August 8, 2024.**

Onsite attendance: Shawna Martinez (Walsh), Arleen Smith (Walsh), Marie Florez (Walsh), Clay Green (Walsh), Roger Herrea (BLM), Daniel Sloan (Enterprise)

Epic Energy, LLC will perform the following reclamation activities:

**Well Pad**

- Remove equipment
- Push gravel towards fill around the equipment to the pad
- Seed with Sagebrush seed mix

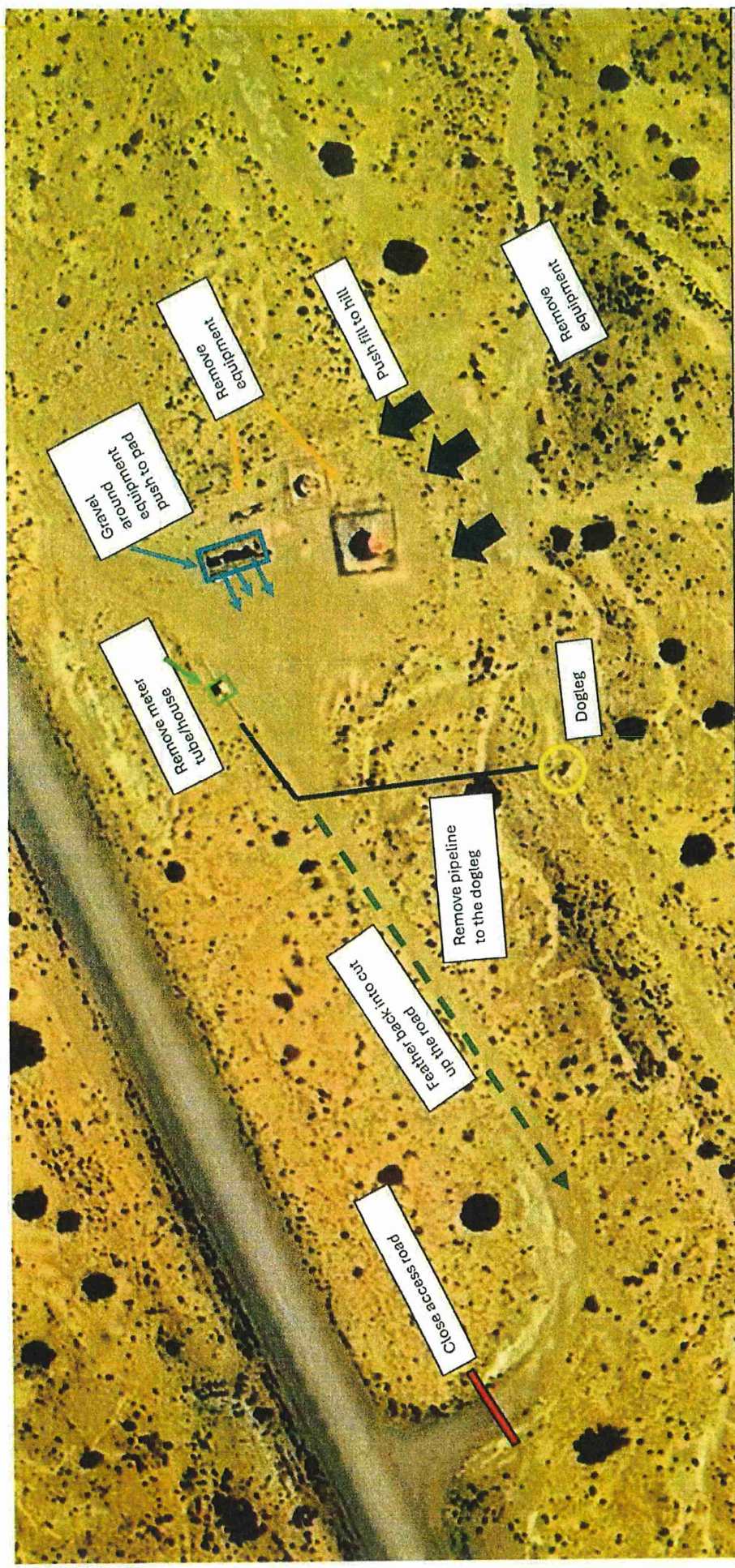
**Access Road**

- Close access road
- Feather back into cut
- Slope back into cut

**Pipeline**

- Remove 40 ft meter tube and house and entire pipeline to dog leg for approximately 200 ft.
- Install guard rail and tapped blind on well-tie riser.





Nelson #002  
30-045-25237  
Reclamation Map



**GENERAL REQUIREMENTS FOR  
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES  
FARMINGTON FIELD OFFICE**

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured. (densometer/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

**4.6 A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.**



5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

- 5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.
- 5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.
- 5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.
- 5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. **If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.**

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

- 6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.
- 6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H<sub>2</sub>S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), through the Automated Fluid Minerals Support System (AFMSS) with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
6251 COLLEGE BLVD.  
FARMINGTON, NEW MEXICO 87402

AFMSS 2 Sundry ID 2816098

Attachment to notice of Intention to Abandon

Well: Nelson 2

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. The following modifications to your plugging program are to be made:
  - a. Modify Plug 2 bottom of cement to 4140' to account for the BLM geologist's pick for the Mancos formation top at 4090'.
  - b. Add a plug for the BLM geologist's pick for the Cliffhouse/ Mesaverde formation top pick at 2850'. Minimum bottom of cement 2900', minimum top of cement 2750'.
  - c. Modify Plug 3 bottom of cement to 2281' to account for the BLM geologist's pick for the Chacra at 2231'.
  - d. Modify Plug 4 to account for BLM geologist's pick for the Pictured Cliffs at 1320'. Minimum bottom of cement 1370', minimum top of cement 1220'.
  - e. Add a plug, or combine with Plug 4, for BLM geologist's pick for the Fruitland Coal top at 1015'. Minimum bottom of cement 1065', minimum top of cement 915'.
  - f. Modify Plug 5 bottom of cement to 500' to account for the BLM geologist's pick for the Mancos formation top at 450'.
3. Farmington Office is to be notified at least 24 hours before the plugging operations commence at (505) 564-7750.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

K. Rennick 10/18/2024

**Date Completed:** Oct 17th 2024

Geologic Formations	Tops	Remarks
Ojo Alamo	262	F/W Sands
Kirtland	450	
Fruitland	1015	Coal, Gas
Pictured Cliffs	1320	Gas
Lewis	1520	
Chacra	2231	Gas
Cliffhouse	2850	Gas
Menefee	3170	
Pt Lookout	3866	Gas
Mancos	4090	Oil, Gas
Gallup	4930	Gas

**Remarks:** Please adjust plugs to cover BLM-picked tops.  
Completed by Alek Knapowski



**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 394265

CONDITIONS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 394265
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	Tribal - for record only	10/21/2024