

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

OCT 05 2018

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Epic Energy, LLC

3a. Address

7415 East Main, Farmington, NM 87402

3b. Phone No. (include area code)

505-327-4892

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1010' FNL & 1650' FEL; Section 10, T26N, R7W

5. Lease Serial No.

SF-079161

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or N

8. Well Name and No.

Lindrith Federal #110 E

9. API Well No.

30-039-23134

10. Field and Pool, or Exploratory Area

Basin Dakota, Largo Ext Glp

11. County or Parish, State

Rio Arriba County, NM

12. CHECK 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"/> Fracture Treat	<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 type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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 Operations (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 shall 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 shall be filed once Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Epic Energy, LLC, proposes to permanently plugged and abandon the Lindrith Federal #110 E as per the attached procedure:

Notify NMOCD 24 hrs
prior to beginning
operations

NMOCD

Note: Reclamation plan as been sepparately submitted to BLM Farmington office, onsite conducted 9/13/2018

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

BLM'S APPROVAL OR ACCEPTANCE OF THIS
ACTION DOES NOT RELIEVE THE LESSEE AND
OPERATOR FROM OBTAINING ANY OTHER
AUTHORIZATION REQUIRED FOR OPERATIONS
ON FEDERAL AND INDIAN LANDS

DEC 12 2018

DISTRICT III

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

John C. Thompson

Title

VP of Engineering & Operations

Signature

Date

October 2, 2018

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Office

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.

Title 18 U.S.C. Section 1001, 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.

NMOCD

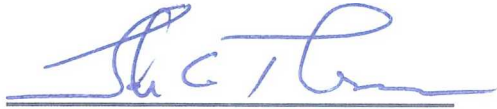
P&A Procedure
EPIC Energy – Lindrith #110E

1010' FNL & 1650' FEL, Section 10, T26N, R7W
San Juan County, New Mexico, API #30-039-23134

Plug & Abandonment Procedure:

1. **Plug #1, 6423' – 6615' (Dakota Top: 6577; Graneros Top: 6523'; DK Perfs: 6665'-6734'):** TIH & set 5-1/2" CICR at 6615'. Pressure test tubing to 1000 psi. Sting out of CICR, mix & spot 22 sx (26 cf) of Class B cement (or equivalent) on top of CICR, leaving a minimum of 192' of cement on top of retainer to cover Graneros formation top. Reverse circulate to clean out tubing.
2. **Plug #2, 5553' – 5822' (Gallup Top: 5653'; Gallup Perfs: 5872' – 6014'):** TIH & set 5-1/2" CICR at 5822'. Pressure test tubing to 1000 psi. Sting out of CICR, mix & spot 31 sx (36.6 cf) of Class B cement (or equivalent) on top of CICR, leaving a minimum of 269' of cement on top of retainer to cover Gallup formation top. Reverse circulate to clean out tubing.
3. **Plug #3, 4802' – 4952' (Mancos Top: 4902'):** Mix and spot 17 sx (20.1 cf) of Class B cement in a balanced plug. Pull above cement and reverse circulate to clean out tubing. Pull up hole & WOC. TIH & tag cement to confirm TOC. Re-spot cement if necessary.
4. **Plug #4, 3823' – 3973' (Mesaverde Top: 3923'):** Mix and spot 17 sx (20.1 cf) of Class B cement in a balanced plug. Pull above cement and reverse circulate to clean out tubing. Pull up hole & WOC. Re-spot cement if necessary.
5. **Plug #5, 2170' – 2320' (PC top: 2270', Fruitland Coal Top: 2258'):** Mix and spot 17 sx (20.1 cf) of Class B cement in a balanced plug. Pull above cement and reverse circulate to clean out tubing. Pull up hole & WOC. Re-spot cement if necessary.
6. **Plug #6, 1400' – 1743' (Ojo Alamo top: 1500', Fruitland Coal Top: 1956'):** Mix and spot 40 sx (47.2 cf) of Class B cement in a balanced plug. Pull above cement and reverse circulate to clean out tubing. Pull up hole & WOC. Re-spot cement if necessary.
7. **Plug #7, (Surface Plug, 50' to Surface):** Spot 6 sx (7.1 cf) from 50' to surface. Top off cement as necessary. Original reports indicate cement was circulated to surface on original cement job).

8. ND BOP and cut off wellhead. RD & MOL. Cut off anchors and restore location per BLM stipulations.

A handwritten signature in blue ink, appearing to read "J.C. Thompson", is written over a horizontal line.

John C. Thompson
Engineer

Lindrith Federal 110 E

Proposed P&A

Basin Dakota

1010' FNL & 1650' FEL, Section 10, T26N, R7W, Rio Arriba County, NM

API: 30-039-23134

Today's Date: 9/17/2018

Spud: 1/31/81

Completed: 4/28/83

Elevation: 6121' GL

Ojo Alamo @ 1500'

Kirtland @ 1693'

Fruitland @ 1956'

FT Coal Top @ 2258'

Pictured Cliffs @ 2270'

Cliff House @ 3923'

Menefee @ 3995'

PLO @ 4562'

Mancos @ 4902'

Gallup @ 5653'

Greenhorn @ 6463'

Graneros @ 6523'

Dakota @ 6577'

Hole Size
7.875"

PBTD: 7450'

TD: 7485'

Hole Size: 12-1/4"

Plug #7: (Surf - 50')

Class B cement, 6 sxs (7.1 cf)

8-5/8", 24#, K55 Casing set @ 243'

Cement with 150 sx (173 cf), 2 bbls cmt circ to surface

Plug #6: (1400' - 1743')

Class B cement, 40 sxs (47.2 cf)

Plug #5: (2170' - 2320')

Class B cement, 17 sxs (20.1 cf)

DV Tool at 2912'

Plug #4: (3823' - 3973')

Class B cement, 17 sxs (20.1 cf)

Plug #3: (4802' - 4952')

Class B cement, 17 sxs (20.1 cf)

DV Tool at 4877'

Plug #2: (5553' - 5822')

Class B cement, 31 sxs (36.6 cf)

Set CICR @ 5822'

Gallup Perfs: 5872'-6014'

Plug #1: (6423' - 6615')

Class B cement, 22 sxs (26 cf)

Set CICR @ 6615'

Dakota Perforations:

6665' - 6734'

5-1/2", 15.5#, J55 casing set @ 6966'

1st Stg: 225 sx (286 cf) & 100 sx (87 cf) tail

2nd Stg: 200 sx (254 cf) & 50 sx (43 cf) tail

3rd Stg: 250 sx (318 cf) & 50 sx (43 cf) tail Circ 2 bbls to surf

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

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: Lindrith Federal 110E

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. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
3. The following modifications to your plugging program are to be made:
 - a) Set Plug #3 (5110 – 5010) ft. to cover the Mancos top. BLM picks top of Mancos at 5060 ft.
 - b) Add a cement plug (3217 – 3117) ft. to cover the Chacra top. BLM picks top of Chacra at 3167 ft.
 - c) Set Plug #5 (2319 – 1970) ft. to cover the Picured Cliffs and Fruitland tops. BLM picks top of Pictured Cliffs at 2269 ft. BLM picks top of Fruitland at 2030 ft.
 - d) Set Plug #7 (293 – 0) ft. to cover the surface casing shoe. Surface casing shoe at 243 ft.

Operator must run a CBL to verify cement top. Submit electronic copy of the log for verification to the following addresses: jwsavage@blm.gov Brandon.Powell@state.nm.us

H₂S has not been reported in this section, however, **very high concentrations of H₂S (2000 ppm GSV)** have been reported in wells within a 1 mile radius of this location. **It is imperative that H₂S monitoring and safety equipment be on location during P&A operations at this wellsite.**

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.