

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

NOV 07 2014

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. *Farmington Field Office*

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ENERGEN RESOURCES CORPORATION

3a. Address

2010 Afton Place, Farmington, NM, 87401

3b. Phone No. (include area code)

505-325-6800

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

1460' FNL, 1600' FWL, Sec. 30, T24N, R02W (F)

5. Lease Serial No.

SF-078909

6. Self Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Lindrith Unit 66

9. API Well No.

30-039-20016

10. Field and Pool, or Exploratory Area

S. Blanco Pictured Cliffs

11. County or Parish, State

Rio Arriba NM

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

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off
☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity
☐ Casing Repair ☐ New Construction ☐ Recomplete ☐ Other
☐ Change Plans ☒ Plug and Abandon ☐ Temporarily Abandon
☐ Convert to Injection ☐ Plug Back ☐ 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 recompleat 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 recompleat 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 final site is ready for final inspection.)

Energen Resources plans to plug and abandon the Lindrith Unit #66 per the attached downhole and reclamation procedures.

This will be a closed loop operation. NMOCD will be notified 24 hrs prior to commencing operation.

OIL CONS. DIV DIST. 3

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

NOV 18 2014

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Notify NMOCD 24 hrs
prior to beginning
operations

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

Name (Printed/Typed)

Kyle Mason

Title District Engineer

Signature

Date 11/6/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Troy Salvors

Title

Petroleum Eng.

Date

11/14/2014

Office

FFO

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, and Title 43 U.S.C. Section 1212, makes 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

Lindrith Unit #66

Current

South Blanco Pictured Cliffs

1460' FNL & 1600' FWL, Section 30, T-24-N, R-2-W, Rio Arriba County, NM

Lat: N _____ / Long: W _____ / API #30-039-20016

Today's Date: 10/24/14

Spud: 5/10/67

Completed: 8/2/67

Elevation: 7126' GI

7136' KB

12.25" hole

8-5/8" 24#, K-55 Casing set @ 128'
Cmt with 105 sxs (Circulated to Surface)

Nacimiento @ 1408' *est

TOC 2500' (T.S.)

Ojo Alamo @ 2856' *est

OIL CONS. DIV DIST. 3

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Kirtland @ 2928' *est

Fruitland @ 2988' *est

Pictured Cliffs @ 3084'

Pictured Cliffs Perforations:
3084' - 3144'

6-1/4" Hole

2-7/8" 6.4#, J-55 Casing set @ 3170'
Cement with 100 sxs

TD 3170'
PBD 3158'

Lindrith Unit #66

Proposed P&A

South Blanco Pictured Cliffs

1460' FNL & 1600' FWL, Section 30, T-24-N, R-2-W, Rio Arriba County, NM

Lat: N _____ / Long: W _____ / API #30-039-20016

Today's Date: 10/24/14

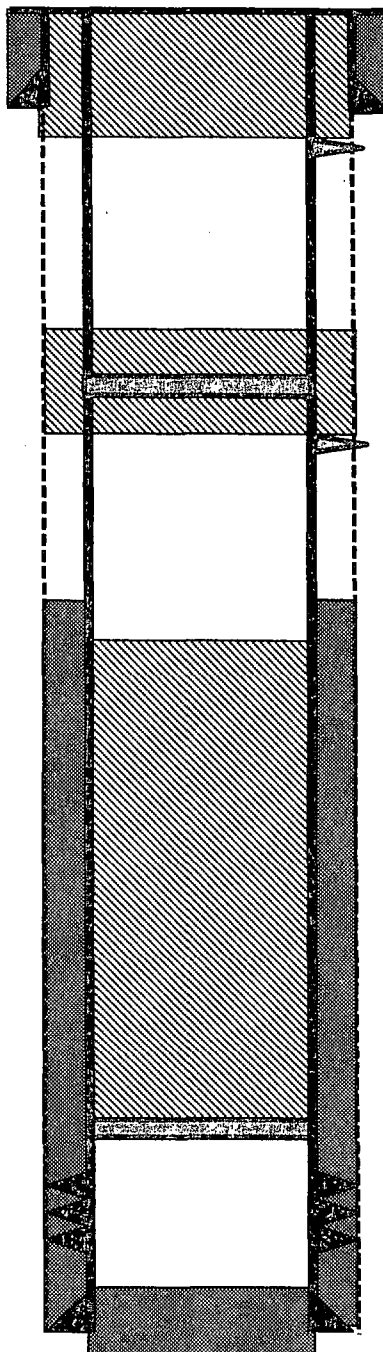
Spud: 5/10/67

Completed: 8/2/67

Elevation: 7126' GI

7136' KB

12.25" hole



8-5/8" 24#, K-55 Casing set @ 128'
Cmt with 105 sxs (Circulated to Surface)

Perforate @ 178'

Plug #3: 178' - 0'
Class B cement, 65 sxs

Plug #2: 1458' - 1358'
Class B cement, 34 sxs:
5 inside and 29 outside

Cement Retainer @ 1408'

Perforate @ 1458'

TOC 2500' (T.S.)

Plug #1: 3034' - 2806'
Class B cement, 8 sxs

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Cement Retainer @ 3034'

Pictured Cliffs Perforations:
3084' - 3144'

2-7/8" 6.4#, J-55 Casing set @ 3170'
Cement with 100 sxs

6-1/4" Hole

TD 3170'
PBD 3158'

Nacimiento @ 1408' *est

Ojo Alamo @ 2856' *est

Kirtland @ 2928' *est

Fruitland @ 2988' *est

Pictured Cliffs @ 3084'

PLUG AND ABANDONMENT PROCEDURE

October 27, 2014

Lindrith Unit #66

South Blanco Pictured Cliffs

1460' FNL, 1600' FWL, Section 30, T24N, R2W, Rio Arriba County, New Mexico

API 30-039-20016 / Long _____ / Lat: _____

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. This project will use an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
3. Rods: Yes____, No X, Unknown____.
Tubing: Yes____, No X, Unknown____, Size _____, Length _____.
Packer: Yes____, No X, Unknown____, Type _____.
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate. Round trip 2.875" gauge ring to 3034' or as deep as possible. **Will need 3034' of tubing workstring.**

NOTE: BLM requires a CBL log to be run on all wells where the cement did not circulate to surface or where a CBL log was not previously run. This procedure is prepared with the understanding that it may be modified based on the TOC from the CBL.

4. **Plug #1 (Pictured Cliffs interval, Fruitland, Kirtland and Ojo Alamo tops, 3034' – 2806')**: *See COA* TIH and set 2-7/8" wireline CIBP at 3034'. TIH with tubing and tag CIBP. Load casing with water and circulate well clean. Pressure test casing to 800#. *If the casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 8 sxs Class B cement and spot a balanced plug inside the casing above the CIBP to isolate the Pictured Cliffs interval and cover through the Ojo Alamo top. TOH with tubing.
5. **Plug #2 (Nacimiento top, 1458' – 1358')**: *See COA* Perforate 3 squeeze holes at 1458'. Set 2-7/8" wireline set cement retainer at 1408'. Mix 34 sxs Class B cement squeeze 29 sxs outside casing and leave 5 sxs inside casing to cover the Nacimiento top. TOH and LD tubing.
6. **Plug #3 (8-5/8" surface casing shoe, 178' - Surface)**: Perforate 3 squeeze holes at 178'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 65 sxs Class B cement and pump down the 2-7/8" casing to circulate good cement out bradenhead. Shut in well and WOC.

7. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. Cut off anchors and clean up location. Restore location per BLM stipulations.

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 Unit #66

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. Bring the top of plug #1 to 2625 ft. to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo formation tops. Adjust cement volume accordingly.
4. Bring the top of plug #2 to 1318 ft. inside/outside to cover the Nacimiento formation top. Adjust cement volume accordingly

Operator will run a CBL from 3034 ft., or as deep as possible, to verify cement top. Outside plugs may be revised, based on CBL result. Submit electronic copy of the log for verification to the following BLM and NMOCD address: tsalyers@blm.gov, Brandon.Powell@state.nm.us

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.