

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTRCVD OCT 26 '06
OIL CONS. DIV.
DIST. 3FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

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.

NMSF 078913

6. If Indian, Allottee or Tribe Name

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

Lindrith Unit

8. Well Name and No.

Lindrith Unit 50

9. API Well No.

30-039-05411

10. Field and Pool, or Exploratory Area

S. Blanco Pictured Cliffs

11. County or Parish, State

Rio Arriba NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Energen Resources Corporation

3a. Address

2198 Bloomfield Highway, Farmington, NM 87401

3b. Phone No. (include area code)

505.325.6800

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

790' FNL, 1850' FWL, Sec. 22, T24N, R03W, N.M.P.M.
NW/NW

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

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <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 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 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 final site is ready for final inspection.)

Energen Resources intends to plug and abandon the Lindrith Unit #50 as per the attached plugging procedure.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Vicki Donaghey

Title

Regulatory Analyst

Date

10/23/06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

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

PLUG AND ABANDONMENT PROCEDURE

September 19, 2006

Lindrith Unit #50

South Blanco Pictured Cliffs
790' FNL & 1850' FWL, Section 22, T24N, R3W
Rio Arriba County, New Mexico, API #30-039-05411

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield.

1. Project will require a Pit Permit (C103) from the NMOCD.
2. Install and test location rig anchors. Prepare waste fluid holding pit if necessary. Comply with all NMOCD, BLM, and Energen safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
3. NOTE: May have 15% acid in well from 1500' to perforations.
4. RU wireline unit and run 2.875" gauge ring to find top of fish. PU wireline grap hook, swabbing jars and 1.25" IJ workstring. Fish out 800' of 9/16" sand line and swab tools if possible.
5. **Plug #1 (Pictured Cliffs perforations, Fruitland, Kirtland and Ojo Alamo tops, 3090' - 2661')**: RIH and set 2.875" wireline CIBP at 3090'. TIH with tubing and tag CIBP. Circulate out 15% acid. Load casing with water and circulate well clean. Pressure test casing to 500#. *If casing does not test, then spot or tag subsequent plugs as appropriate.* Spot 12 sxs Type III cement inside casing above CIBP to isolate the Pictured Cliffs perforations and cover through the Ojo Alamo top. TOH with tubing. 2653'
6. **Plug #2 (Nacimiento top, 1250' - 1150')**: Perforate 2 bi-wire holes at 1250'. Attempt to establish rate into squeeze holes if the casing pressure tested prior to perforating. Set 2.875" cement retainer at 1200'. TIH and sting into CR. Establish rate into squeeze holes. Mix and pump 30 sxs cement, squeeze 26 sxs outside the casing and leave 4 sxs inside casing to cover the Nacimiento top. TOH and LD tubing. 1413 - 1313
7. **Plug #3 (8.625" Surface casing, 169' - Surface)**: Perforate 2 squeeze holes at 169'. Establish circulation out the bradenhead valve with water. Mix and pump approximately 50 sxs Type III cement down the 2.875" casing to circulate good cement out bradenhead valve. Shut well in and WOC. 1413'
8. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

Lindrith Unit #50

Proposed P&A

South Blanco Pictured Cliffs / API #30-039-05411

790' FNL & 185 0' F WL, Section 22, T-24-N, R-3-W, Rio Arriba County, NM

Today's Date: 9/15/06

Spud: 9/8/63

Completed: 9/26/63

Elevation: 7060' GI
7070' KB

12.25" hole

Nacimiento @ 1200' *est

1363'

Ojo Alamo @ 2711'

2703'

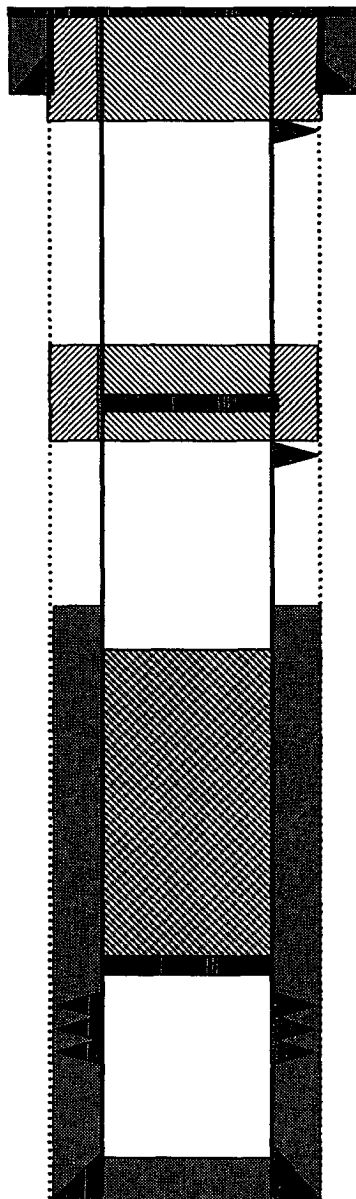
Kirtland @ 2863'

Fruitland @ 2949'

3012

Pictured Cliffs @ 3143'

6.25" Hole



TD 3259'
PBSD 3239'

8.625", 24#, J-55 Casing set @ 119'
Cement with 140 sxs (Circulated to Surface)

Perforate @ 169' Plug #3: 169'- 0'
Type III cement, 50 sxs

1413-1313'
Plug #2: 1250'- 1150'
Type III cement, 30 sxs:
26 outside and 4 inside

Cmt Retainer @ 1200'
1363

Perforate @ 1250'
1413

TOC @ 2420' (T.S.)

2653'
Plug #1: 3090'- 2661'
Type III cement, 12 sxs

Set CIBP @ 3090'

Pictured Cliffs Perforations:
3140' - 3184'

2.875" 6.4# J-55 Casing set @ 3245'
Cement with 130 sxs

• **Conditions of Approval:**

In order to plug this well in accordance with BLM standards, the following amendments are made to your abandonment plan:

Plug #1: Spot plug from 3090 (above CIBP) to 2653'.

Plug #2: Perforate the 2 7/8" casing at 1413' and set the cement retainer @ 1363'. Place cement inside and outside the casing from 1413 to 1313' across the top of the Nacimiento Formation @ 1363'.

Note:

All plugs must utilize 100% excess cement for plugs placed outside the pipe and 50' excess for plugs placed inside the pipe.