

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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.
SF078909

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

RECEIVED
NOV 10 2014

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

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
Lindrith Unit 1

2. Name of Operator
ENERGEN RESOURCES CORPORATION

Farmington Field Office
Bureau of Land Management

3a. Address
2010 Afton Place, Farmington, NM 87401

3b. Phone No. (include area code)
505.325.6800

9. API Well No.
30-039-05373

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1800' FSL 1650' FEL Sec. 20 T24N R02W (J)

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	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"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<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
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input type="checkbox"/> Other _____

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 recompletable 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 recompletable 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 #1 according to attached downhole and reclamation procedures.

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

OIL CONS. DIV DIST. 3

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

NOV 18 2014

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

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 11/7/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Troy Salvors

Title Petroleum Eng.

Date 11/14/2014

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 FFO

NMOCD

KO
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Lindrith Unit #1

Current

South Blanco Pictured Cliffs
1800' FSL, 1650' FEL, Section 20, T-24-N, R-2-W,
Rio Arriba County, NM / API #30-039-05373
Lat _____ / Long _____

Today's Date: 11/7/2014

Spud: 7/11/55

Completed: 7/26/55

Elevation: 7091' GI

13-3/14" hole

9-5/8" 25.4# Casing set @ 130'
Cement with 125 sxs (Circulated to Surface)

Nacimiento @ 1322* est

146 jts, 1" tubing landed at 3067'

TOC @ 2190' (T.S.)

OIL CONS. DIV DIST. 3

NOV 18 2014

Ojo Alamo @ 2752'

Kirtland @ 2805'

Fruitland @ 2890'

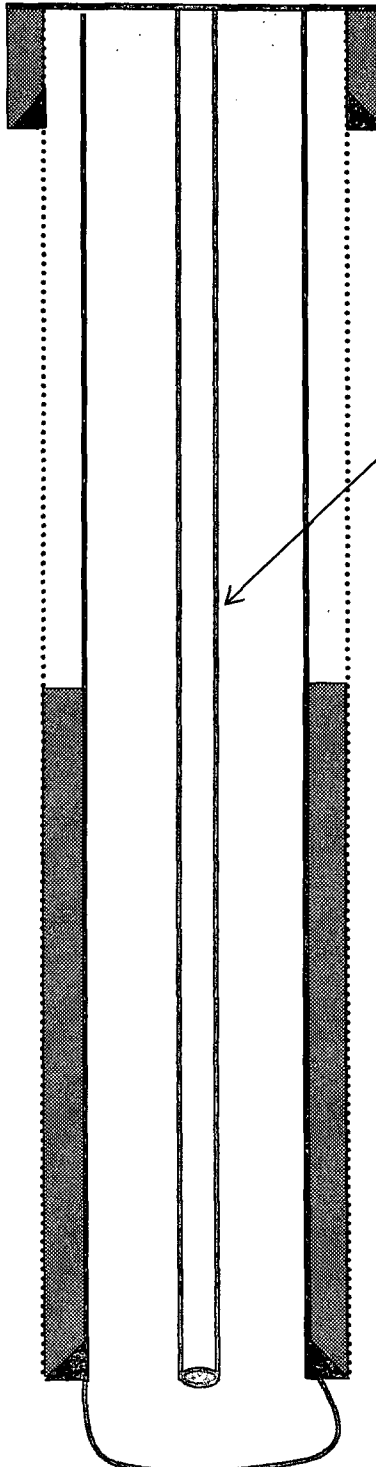
Pictured Cliffs @ 3038'

8-3/4" hole

5.5", 15.5#, J-55 Casing set @ 3067'
Cement with 150 sxs

Pictured Cliffs Open Hole:
3039' - 3089'

TD 3089'
PBD 3089'

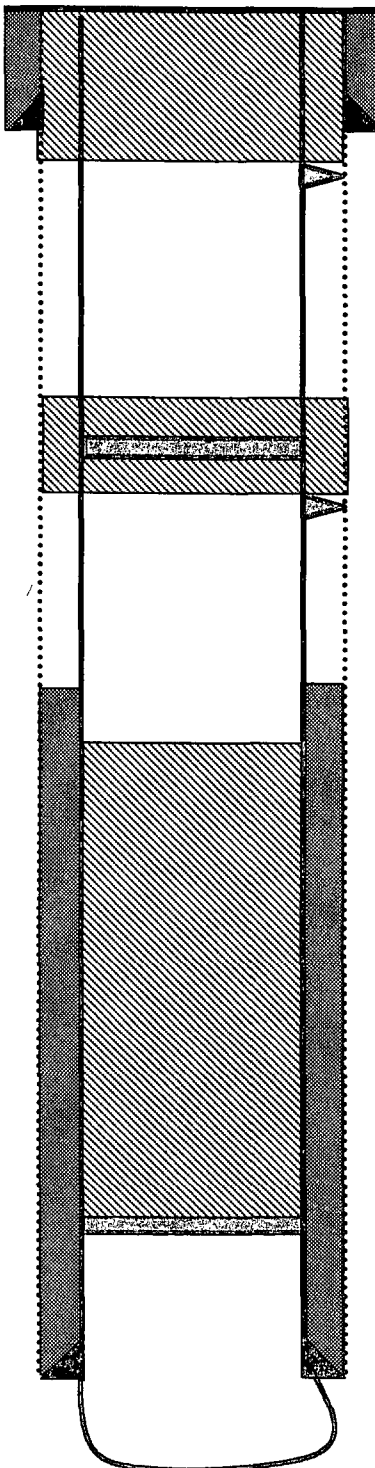


Lindrith Unit #1 Proposed P&A

South Blanco Pictured Cliffs
1800' FSL, 1650' FEL, Section 20, T-24-N, R-2-W,
Rio Arriba County, NM / API #30-039-05373
Lat _____ / Long _____

Today's Date: 11/7/2014
Spud: 7/11/55
Completed: 7/26/55
Elevation: 7091' GI

13-3/14" hole



9-5/8" 25.4# Casing set @ 130'
Cement with 125 sxs (Circulated to Surface)

Perforate @ 180'

Plug #3: 180' - 0'
Class B cement, 80 sxs

Nacimiento @ 1322* est

Set CR @ 1322'

Plug #2: 1372' - 1272'
Class B cement, 60 sxs:
43 outside and 17 inside

Perforate @ 1372'

TOC @ 2190' (T.S.)

Ojo Alamo @ 2752'

Plug #1: 3027' - 2702'
Class B cement, 43 sxs

OIL CONS. DIV DIST. 3

Kirtland @ 2805'

NOV 18 2014

Fruitland @ 2890'

Set CR @ 3027'

Pictured Cliffs @ 3038'

8-3/4" hole

5.5", 15.5#, J-55 Casing set @ 3067'
Cement with 150 sxs

Pictured Cliffs Open Hole:
3039' - 3089'

TD 3089'
PBTD 3089'

PLUG AND ABANDONMENT PROCEDURE

November 7, 2014

Lindrith Unit #1

South Blanco Pictured Cliffs

1800' FSL, 1605' FEL, Section 20, T24N, R2W, Rio Arriba County, New Mexico

API 30-039-05373 / 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 of 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 X, No _____, Unknown_____, Size 1", Length 3067'.
Packer: Yes_____, No X, Unknown_____, Type _____.

If this well has rods or a packer, then modify the work sequence in step #2 as appropriate. Note: LD 1" tubing and PU workstring. Round trip gauge ring or casing scraper to 3027' or as deep as possible.

4. **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.**
5. **Plug #1 (Pictured Cliffs interval, Fruitland, Kirtland and Ojo Alamo tops 3027' – 2702')**: ^{See COA}TIH and set 5.5" CR at 3027'. Pressure test tubing to 1000#. 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 43 sxs Class B cement and spot a balanced plug inside the casing above the CR to isolate the Pictured Cliffs interval, Fruitland, Kirtland and Ojo Alamo tops. TOH.
6. **Plug #2 (Nacimiento top 1372' – 1272')**: Perforate squeeze holes at 1372'. Attempt to establish rate if the casing pressure tested. TIH and set CR at 1322'. Mix and pump 60 sxs Class B cement, squeeze 43 sxs outside 5.5" casing and leave 17 sxs inside casing to cover the Nacimiento top. TOH and LD tubing.
7. **Plug #3 (9-5/8" surface casing shoe, 180' - Surface)**: Perforate 3 squeeze holes at 180'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 80 sxs Class B cement and pump down the 5.5" casing to circulate good cement out bradenhead. Shut in well and WOC.
8. ND cementing valves and cut off wellhead. Fill annuli with cement as necessary. Install P&A marker to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. RD, MOL and cut off anchors. 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 #1

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 2579 ft. to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo formation tops. Adjust cement volume accordingly.

Operator will run a CBL from 3027 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.