

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MAR 23 2012

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

Farmington Field Office  
Bureau of Land Management

**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.**

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSF 078912
2. Name of Operator Energen Resources Corporation		6. If Indian, Allottee or Tribe Name
3a. Address 2010 Afton Place, Farmington, NM 87401	3b. Phone No. (include area code) 505.325.6800	7. If Unit or CA/Agreement, Name and/or No. Lindrith Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 815' FNL, 1050' FEL, Sec. 13, T24N, R03W, N.M.P.M. NW/NW		8. Well Name and No. Lindrith Unit 82
		9. API Well No. 30-039-20965
		10. Field and Pool, or Exploratory Area E. 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"/> 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 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 recompleting 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 recompleting 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 permanently Plug and Abandon the Lindrith Unit #82 according to the attached procedure.

RCVD APR 2 '12  
OIL CONS. DIV.  
DIST. 3

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Collin Placke	Title Production Engineer
Signature <i>Collin Placke</i>	Date 03/20/2012

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by Original Signed: Stephen Mason	Title	Date MAR 28 2012
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	

NMOC

# **Lindrith Unit #82**

## **Current**

So. Blanco Pictured Cliffs

815' FNL & 1050' FEL, Section 13, T-24-N, R-3-W, Rio Arriba County, NM

Lat: N \_\_\_\_\_ / Long: W \_\_\_\_\_ / API #30-039-20965

Today's Date: 3/14/12  
Spud: 7/5/75  
Completed: 8/20/75  
Elevation: 7051' GI

12.25" hole

8-5/8" 24#, k-55 Casing set @ 132'  
Cmt with 118 cf (Circulated to Surface)

Nacimiento @ 1354' \*est

TOC at 2350' (T.S.)

Ojo Alamo @ 2828' \*est

Kirtland @ 2931' \*est

Fruitland @ 2991' \*est

Pictured Cliffs @ 3160'

Pictured Cliffs Perforations:  
3241' - 3268'

7-7/8" and  
6-3/4" to TD  
Records do not indicate  
where hole size  
changes

2-7/8" 6.4#, J-55 Casing set @ 3306'  
Cement with 187 cf

TD 3316'  
PBD 3305'

## PLUG AND ABANDONMENT PROCEDURE

March 14, 2012

### Lindrith Unit #82

So. Blanco Pictured Cliffs

815' FNL, 1050' FEL, Section 13, T24N, R3W, Rio Arriba County, New Mexico

API 30-039-20965 / 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 requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the 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\_\_\_\_, No\_\_\_\_, 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 3191' or as deep as possible. PU tubing workstring.
4. **Plug #1 (Pictured Cliffs interval, Fruitland, Kirtland and Ojo Alamo tops, 3191' – <sup>2714</sup>~~2778~~):** TIH and set 2-7/8" wireline CIBP at 3191'. 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 ~~45~~ 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 tops. TOH with tubing.
5. **Plug #2 (Nacimiento top, <sup>1392</sup>~~1404~~ – <sup>1292</sup>~~1304~~):** Perforate 3 squeeze holes at <sup>1392</sup>~~1404~~'. Set 2-7/8" wireline set cement retainer at <sup>1354</sup>~~1354~~'. Mix 55 sxs Class B cement squeeze 50 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, 182' - Surface):** Perforate 3 squeeze holes at 182'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 80 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. RD, MOL and cut off anchors. Restore location per BLM stipulations.

# Lindrith Unit #82

## Plugged

So. Blanco Pictured Cliffs

815' FNL & 1050' FEL, Section 13, T-24-N, R-3-W, Rio Arriba County, NM

Lat: N \_\_\_\_\_ / Long: W \_\_\_\_\_ / API #30-039-20965

Today's Date: 3/14/12  
Spud: 7/5/75  
Completed: 8/20/75  
Elevation: 7051' GI

12.25" hole

8-5/8" 24#, k-55 Casing set @ 132'  
Cmt with 118 cf (Circulated to Surface)

Perforate @ 182'

Plug #3: 182' - 0'  
Class B cement, 80 sxs

Nacimiento @ 1354' \*est

Set CR @ 1354'

Perforate @ 1404'

Plug #2: 1404' - 1304'  
Class B cement, 55 sxs:  
50 outside and inside

TOC at 2350' (T.S.)

Ojo Alamo @ 2828' \*est

Plug #1: 3191' - 2778'  
Class B cement, 13 sxs

Kirtland @ 2931' \*est

Fruitland @ 2991' \*est

Set CIBP @ 3191'

Pictured Cliffs @ 3160'

Pictured Cliffs Perforations:  
3241' - 3268'

7-7/8" and  
6-3/4" to TD  
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where hole size  
changes

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**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: 82 Lindrith Unit

**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) Bring the top of the Pictured Cliffs/Fruitland/Kirtland/Ojo Alamo plug to 2714'.
  - b) Place the Nacimiento plug from 1392' – 1292' inside and outside the 2 7/8" casing.

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.