

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-039-21170
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Lindrith Unit
8. Well Number 86
9. OGRID Number 162928
10. Pool name or Wildcat South Blanco Pictured Cliffs
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 7153' GL
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

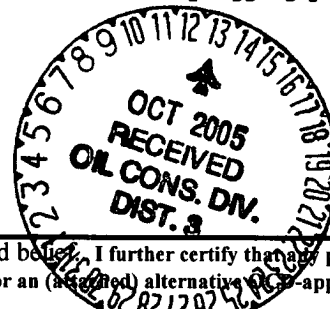
PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Energen Resources plans to plug and abandon the Lindrith Unit #86 as per the attached plugging procedure.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that a pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒ , a general permit ☐ or an (attached) alternative OCS-approved plan ☐

SIGNATURE Vicki Donaghey TITLE Regulatory Analyst DATE 10/13/05

Type or print name Vicki Donaghey

E-mail address: vdonaghe@energen.com
Telephone No. 505.325.6800

For State Use Only

APPROVED BY H. Villanueva TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE OCT 13 2005

Conditions of Approval, if any:

PLUG AND ABANDONMENT PROCEDURE

October 12, 2005

Lindrith Unit #86

South Blanco Pictured Cliffs Ext.
1550' FNL & 850' FWL, Section 21, T24N, R2W
Rio Arriba County, New Mexico, API #30-039-21170

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. Install and test location rig anchors. Prepare blow pit. 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.
2. Round-trip 2.875" scraper or wireline gauge ring to 3053'. Tally and prepare a 1.25" IJ tubing workstring.
3. **Plug #1 (Pictured Cliffs perforations, Fruitland, Kirtland and Ojo Alamo tops, 3053' – 2670'):** RIH and set 2.875" wireline CIBP at 3053'. TIH with 1.25" workstring and tag CIBP. 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 15 sxs Type III cement inside casing above CIBP to isolate the Pictured Cliffs perforations through the Ojo Alamo top. TOH with tubing.
4. **Plug #2 (Nacimiento top, 1305' – 1205'):** Perforate 2 bi-wire holes at 1305'. Attempt to establish rate into squeeze holes if the casing pressure tested prior to perforating. Set 2.875" cement retainer at 1255'. TIH and sting into CR. Establish rate into squeeze holes. Mix and pump 36 sxs cement, squeeze 31 sxs outside the casing and leave 5 sxs inside casing to cover Nacimiento top. TOH and LD tubing.
5. **Plug #3 (8.625" Surface casing, 173' - Surface):** Perforate 2 squeeze holes at 173'. Establish circulation out the bradenhead valve with water. Mix and pump approximately 65 sxs Type III cement down the 2.875" casing to circulate good cement out bradenhead valve. Shut well in and WOC.
6. 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 #86

Proposed P&A

South Blanco Pictured Cliffs Ex/ / API #30-039-21170

1550' FNL & 850' FWL, Section 21, T-24-N, R-2-W, Rio Arriba County, NM

Today's Date: 10/12/05

Spud: 10/1/76

Completed: 12/1/76

Elevation: 7153' GL
7164' KB

12.25" hole

Nacimiento @ 1255'

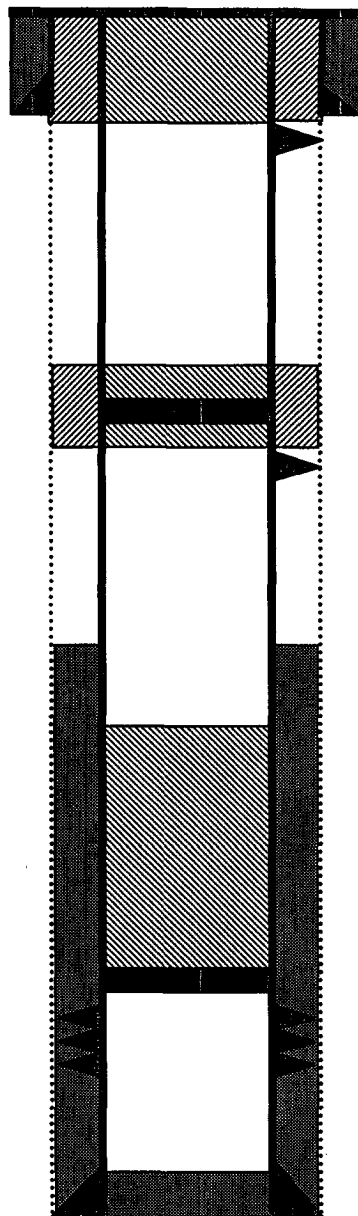
Ojo Alamo @ 2720'

Kirtland @ 2890'

Fruitland @ 2940'

Pictured Cliffs @ 3088'

6.75" Hole



8.625", 24# Casing set @ 123'
Cement with 106 cf (Circulated to Surface)

Perforate @ 173'

Plug #3: 173' - 0'
Type III cement, 65 sxs

Cmt Retainer @ 1255'

Perforate @ 1305'

Plug #2: 1305' - 1205'
Type III cement, 36 sxs:
31 sxs outside and 5 sxs
inside

TOC @ 2550' (T.S.)

Plug #1: 3053' - 2670'
Type III cement, 15 sxs

Set CIBP @ 3053'

Pictured Cliffs Perforations:
3103' - 3181'

2.875" 6.4# Casing set @ 3220'
Cement with 121 cf

TD 3220'
PBD 3210'

Lindrith Unit #86

Current

South Blanco Pictured Cliffs Ext/ / API #30-039-21170

1550' FNL & 850' FWL, Section 21, T-24-N, R-2-W, Rio Arriba County, NM

Today's Date: 10/12/05

Spud: 10/1/76

Completed: 12/1/76

Elevation: 7153' GL
7164' KB

12.25" hole

8.625", 24# Casing set @ 123'
Cement with 106 cf (Circulated to Surface)

WELL HISTORY

No workovers reported.

Nacimiento @ 1255'

TOC @ 2550' (T.S.)

Ojo Alamo @ 2720'

Kirtland @ 2890'

Fruitland @ 2940'

Pictured Cliffs @ 3088'

Pictured Cliffs Perforations:
3103' - 3181'

6.75" Hole

2.875" 6.4# Casing set @ 3220'
Cement with 121 cf

TD 3220'
PBD 3210'