

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

June 19, 2008

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

WELL API NO. 30-039-21334
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 Com
8. Well Number 91
9. OGRID Number 162928
10. Pool name or Wildcat South Blanco Pictured Cliffs
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 7168' GL

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH
PROPOSALS.)

1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	7. Lease Name or Unit Agreement Name: Lindrith Unit Com
2. Name of Operator Energen Resources Corporation	8. Well Number 91
3. Address of Operator 2010 Afton Place, Farmington, NM 87401	9. OGRID Number 162928
4. Well Location Unit Letter <u>N</u> : <u>1130'</u> feet from the <u>South</u> line and <u>1800'</u> feet from the <u>West</u> line Section <u>29</u> Township <u>24N</u> Range <u>02W</u> NMPM County <u>Rio Arriba</u>	10. Pool name or Wildcat South Blanco Pictured Cliffs
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 7168' GL	

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 COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/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 intends to plug and abandon the Lindrith Unit Com 91 per the attached plugging procedure.

RCVD DEC 3 '12
OIL CONS. DIV.
DIST. 3

Run CDL for Agency Review prior to perf.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Collin Placke TITLE District Engineer DATE 11/30/12

cplacke@energen.com

Type or print name Collin Placke E-mail address: cplacke@energen.com PHONE 505.325.6800

For State Use Only

APPROVED BY Char H TITLE SUPERVISOR DISTRICT # 3 DATE DEC 06 2012

Conditions of Approval (if any):

AV

Lindrith Unit #91

Current

So. Blanco Pictured Cliffs

1130' FSL & 1800' FWL, Section 29, T-24-N, R-2-W, Rio Arriba County, NM

Lat: N _____ / Long: W _____ / API #30-039-21334

Today's Date: 7/26/12
Spud: 6/14/77
Completed: 7/27/77
Elevation: 7158' GI

12.25" hole

8-5/8" 24#, K-55 Casing set @ 126'
Cmt with 236 cf (Circulated to Surface)

Nacimiento @ 1332'

TOC at 2400' (T.S.)

Ojo Alamo @ 2780'

Kirtland @ 2852'

Fruitland @ 2912'

Pictured Cliffs @ 3008'

Pictured Cliffs Perforations:
3056' – 3084'

6-3/4" hole

2-7/8" 6.4#, J-55 Casing set @ 3138'
Cement with 190 cf

TD 3138'
PBD 3127'

Lindrith Unit #91

Proposed P&A

So. Blanco Pictured Cliffs

1130' FSL & 1800' FWL, Section 29, T-24-N, R-2-W, Rio Arriba County, NM

Lat: N _____ / Long: W _____ / API #30-039-21334

Today's Date: 7/26/12
Spud: 6/14/77
Completed: 7/27/77
Elevation: 7158' GI

12.25" hole

8-5/8" 24#, K-55 Casing set @ 126'
Cmt with 236 cf (Circulated to Surface)

Perforate @ 176'

Plug #3: 176' - Surface
Class B cement, 65 sxs

Nacimiento @ 1332'

CR @ 1332'

Perforate @ 1382'

Plug #2: 1382' - 1282'
Class B cement, 40 sxs:
35 outside and 5 inside

TOC at 2400' (T.S.)

Ojo Alamo @ 2780'

Plug #1: 3006' - 2730'
Class B cement, 12 sxs

Kirtland @ 2852'

Fruitland @ 2912'

Set CIBP @ 3006'

Pictured Cliffs @ 3008'

Pictured Cliffs Perforations:
3056' - 3084'

6-3/4" hole

2-7/8" 6.4#, J-55 Casing set @ 3138'
Cement with 190 cf

TD 3138'
PBTD 3127'

PLUG AND ABANDONMENT PROCEDURE

July 26, 2012

Lindrith Unit #91

So. Blanco Pictured Cliffs

1130' FSL, 1800' FWL, Section 29, T24N, R2W, Rio Arriba County, New Mexico

API 30-039-21334 / 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 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 3006' or as deep as possible. PU tubing workstring.
4. **Plug #1 (Pictured Cliffs interval, Fruitland, Kirtland and Ojo Alamo tops, 3006' – 2730')**: TIH and set 2-7/8" wireline CIBP at 3006'. 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 12 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, 1382' – 1282')**: Perforate 3 squeeze holes at 1382'. Set 2-7/8" wireline set cement retainer at 1332'. Mix 40 sxs Class B cement squeeze 35 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, 176' - Surface)**: Perforate 3 squeeze holes at 176'. 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. RD, MOL and cut off anchors. Restore location per BLM stipulations.