

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103

Revised March 25, 1999

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

WELL API NO.

30-045-08653

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:

McClure

8. Well No.

1

9. Pool name or Wildcat

Aztec PC / Basin Fruitland Coal

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 ☐ Gas Well ☒ Other

2. Name of Operator

ENERGEN RESOURCES CORPORATION

3. Address of Operator

2198 Bloomfield Highway; Farmington, NM 87401

4. Well Location

Unit Letter 0 : 990 feet from the South line and 1650 feet from the East line

Section 3 Township 29N Range 11W NMPM County San Juan

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

5674' GR

11. 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: ☐

12. 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 recompilation.

It is intended to plug and abandon this well 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.

SIGNATURE Don Graham TITLE Production Superintendent DATE 4/12/02

Type or print name Don Graham

Telephone No. 505-325-6800

(This space for State use)

ORIGINAL SIGNED BY CHAPLE T. PERRIN

APPROVED BY CHAPLE T. PERRIN TITLE DEPUTY OIL & GAS INSPECTOR, DIST. IV DATE APR 16 2002

Conditions of approval, if any:

PLUG & ABANDONMENT PROCEDURE

4/10/02

McClure #1

Aztec Pictured Cliffs / Basin Fruitland Coal
990' FSL & 1650' FEL, Section 3, T-29-N, R-11-W
San Juan Co., New Mexico, API #30-045-08653

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 is ASMT Type II mixed at 15.6 ppg with a yield of 1.18 cf/sx.

1. Install and test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Energen safety rules and regulations. MOL and RU daylight pulling unit. Blow well down; kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP.
2. TOH and tally 62 joints 2-3/8" EUE tubing, total 1950'. If necessary LD tubing and PU workstring.
3. **Plug #1 (Pictured Cliffs open hole and Fruitland Coal perforations, 1947' –1640')**: TIH with tubing (rabbit tubing while TIH) and tag existing CIBP at 1966' or as deep as possible. Pump 40 bbls water down tubing. Mix 72 sxs cement and spot above the CIBP at 1966' up to 1640' to isolate the Pictured Cliff perforations and to fill the Fruitland perforations. PUH and WOC. TIH and tag cement. Load casing with water and circulate the well clean. Pressure test the casing to 500#. If casing does not test, then spot or tag subsequent plugs as appropriate. PUH to 837'.
4. **Plug #2 (Kirtland and Ojo Alamo tops, 837' – 602')**: Mix 32 sxs cement and spot a balanced plug inside the casing to cover the Kirtland and Ojo Alamo tops. PUH to 183'.
5. **Plug #3 (9-5/8" casing shoe, 183' - Surface)**: Mix and spot approximately 25 sxs cement inside casing from 183' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut in well and WOC.
6. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

Current

Aztec Pictured Cliffs / Basin Fruitland Coal

SE, Section 3 T-29-N, R-11-W, San Juan County, NM

API #30-045-08653

Today's Date: 4/10/02

Spud: 6/3/53

PC Completion: 7/2/53

FtC Completion: 9/22/95

Elevation: 5674' GL
5684' KB

Ojo Alamo @ 652'

Kirtland @ 767'

Perforated at 700', sqz'd 360 sxs cement, circ 5 bbls to surface (9/95)
Used 414 cf less 28 cf (5 bbls) of cement to fill a 134 cf annulus; this is a 188% excess. Therefore, it is reasonable that cement went both down and up before it circulated out the bradenhead.

Fruitland @ 1690'

Pictured Cliffs @ 1972'

13-3/4" hole

7-7/8" hole

6-1/4" hole

TD 2034'

✓ Circ 5 bbls cement to surface

9-5/8" 25.4# Casing set @ 133'
Cmt w/ 100 sxs (Circulated to Surface)

Well History

Sep '95: Complete FtC: Set CIBP at 1966'. Perf and frac FtC zone. Then 4 holes at 700' and squeezed with 360 sxs "G" cement, circulated 5 bbls out bradenhead. Drill out and PT to 700#. CO and land tubing. .

Aug '97: Swab Well: Made 9 runs, recovered 27 bbls fluid, FL at 600'.

Jan '98: Swab Well: Made 19 runs, swabbed 9 bbls and flowed total 25 bbls.

2-3/8" Tubing set at 1950'
(62 joints, EUE)

TOC @ 1140' ('95 CBL)

Fruitland Coal Perforations:
1730' – 1947'

CIBP set at 1966' (9/95)

5-1/2" 17# J-55 Casing set @ 1971'
Cemented with 150 sxs

Pictured Cliffs Open Hole:
1961' - 2034'

McClure #1

Proposed P&A

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9-5/8" 25.4# Casing set @ 133'
Cmt w/ 100 sxs (Circulated to Surface)

Plug #3: 183' - Surface
Cement with 25 sxs

Plug #2: 837' - 602'
Cement with 32 sxs

TOC @ 1140' ('95 CBL)

Plug #1: 1947' - 1640'
Cement with 72 sxs

Fruitland Coal Perforations:
1730' - 1947'

CIBP set at 1966' (9/95)

5-1/2" 17# J-55 Casing set @ 1971'
Cemented with 150 sxs

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1961' - 2034'

TD 2034'