

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ENERGEN RESOURCES CORPORATION

3. Address and Telephone No.

2198 Bloomfield Highway, Farmington, NM 87401

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1990' FNL, 1100' FEL, Sec. 3, T25N, R3W, N.M.P.M.

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

SF-080566

6. If Indian, Allottee or Tribe Name

7. Unit or CA; Agreement Designation

8. Well Name and No.

Ruddock

7A

9. API Well No.

30-039-22873

10. Field and Pool, or exploratory Area

Blanco Mesaverde

11. County or Parish, State

Rio Arriba

NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☒ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.

14. I hereby certify that the foregoing is true and correct

Signed *Don Graham*

Title Production Foreman

Date 3/19/99

(This space for Federal or State office use)

Approved by *Don R. [Signature]*

Title Lands and Mineral Resources

Date 3/28/99

Conditions of approval, if any:

Surface restoration COAs in attached letter.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

PLUG & ABANDONMENT PROCEDURE

3-17-99

Ruddock #7A

Blanco Mesaverde

1990' FNL and 1100' FEL, Section 3, T-25-N, R-03-W

Rio Arriba Co., New Mexico

Note: All cement volumes use 100% excess outside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and/or test rig anchors. Prepare blow pit. Comply to all NMOCD, BLM and Energen safety rules and regulations. MOL and RUSU. Blow well down; kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP.
2. POH and tally 2-3/8" tubing (5600' +/-); visually inspect. If necessary LD and PU workstring.
3. **Plug #1 (Mesaverde top, 5660' - 5560')**: TIH with open ended tubing and establish circulation to surface (Note: casing has corrosion inhibited fluid present, leave in casing). Pressure test casing to 500#. Mix 12 sxs Class B cement and spot a balanced plug above the CIBP at 5660'. PUH to 4058'.
4. **Plug #2 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 4058' - 3651')**: Mix 35 sxs Class B cement and spot balanced plug inside casing. TOH with tubing.
5. **Plug #3 (Nacimiento top, 1958' - 1858')**: Perforate 3 HSC squeeze holes at 1958'. Establish rate into squeeze holes if casing tested. Set 4-1/2" cement retainer at 1908'. Establish rate into Nacimiento squeeze holes. Mix 51 sxs Class B cement and squeeze 39 sxs cement outside 5-1/2" casing and leave 12 sxs cement inside casing to cover Nacimiento top. TOH and LD setting tool.
6. **Plug #4 (8-5/8" Casing Shoe at 527')**: Perforate 3 HSC squeeze holes at 577'. Establish circulation out bradenhead valve. Mix approximately 165 sxs Class B cement and pump down 4-1/2" casing from 527' to surface, circulate cement out bradenhead valve. Shut in well and WOC.
7. **Plug #5 (Surface Annulus)**: Mix and pump approximately 25 sxs Class B cement into the 8-5/8" x 12-1/4" open hole annulus, fill to surface as needed. 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

NE Section 3, T-25-N, R-3-W, Rio Arriba County, NM

Completed: 11/25/81

12-1/4" Hole

Top of Cmt within 100' of surface (Reported)

8-5/8" 24# Casing set @ 527'
500 sxs cement (Not Circulated to Surface)

Nacimiento @ 1908'

Top of Cmt @ 3080' (Reported)

Ojo Alamo @ 3701'

WORKOVER HISTORY:

Kirtland @ 3769'

Sep '82: Perforate and frac upper MV zone; land tubing and test.

Fruitland @ 3879'

Nov '82: Set CIBP at 6050'

Pictured Cliffs @ 4008'

Oct '88: TA well; set CIBP at 5660',
cap with 5 sxs cement; test casing.

2-3/8" EUE J-55 Tubing @ 5600' (+-)

DV tool @ 4504', Cmt w/ 550 sxs

Top of Cmt @ 4504' (CBL)

Mesaverde @ 5646'

Bridge Plug @ 5660' w/5 sxs Cmt (1988)

Mesaverde Perforations:
5690' - 5887', (1982 Recompletion)

Bridge Plug @ 6050' (1982)

Mesaverde Perforations:
6122' - 6200'

7-7/8" Hole

4-1/2" 10.5#, K-55 casing set @ 6300'
Cmt w/ 475 sxs

TD 6300'

Ruddock #7A

Proposed P & A

Blanco Mesaverde

NE Section 3, T-25-N, R-3-W, Rio Arriba County, NM

Today's Date: 3/17/99

Spud: 10/11/81

Completed: 11/25/81

12-1/4" Hole

Nacimiento @ 1908'

Ojo Alamo @ 3701'

Kirtland @ 3769'

Fruitland @ 3879'

Pictured Cliffs @ 4008'

Mesaverde @ 5646'

7-7/8" Hole

TD 6300'

Plug #5 50' - Surface
Fill from top with cement

Top of Cmt within 100' of surface (Reported)

8-5/8" 24# Casing set @ 527'
500 sxs cement (Not Circulated to Surface)

Perforate @ 577'

Plug #4 577' - Surface
Cmt with 165 sxs Class B

Cement Rt @ 1908'

Perforate @ 1958'

Plug #3 1958' - 1858'
Cmt with 51 sxs Class B,
39 sxs outside casing
and 12 sxs inside.

Top of Cmt @ 3080' (Reported)

Plug #2 4058' - 3651'
Cmt with 35 sxs Class B

DV tool @ 4504', Cmt w/ 550 sxs

Top of Cmt @ 4504' (CBL)

Plug #1 5660' - 5560'
Cmt with 12 sxs Class B

Bridge Plug @ 5660' w/5 sxs Cmt (1988)

Mesaverde Perforations:
5690' - 5887', (1982 Recompletion)

Bridge Plug @ 6050' (1982)

Mesaverde Perforations:
6122' - 6200'

4-1/2" 10.5# K-55 casing set @ 6300'
Cmt w/ 475 sxs

PBTD 5594'

CONDITIONS OF APPROVAL FOR PERMANENT ABANDONMENT

Operator Energen Resources Well Name Ruddock #7A

1. Plugging operations authorized are subject to the "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. For wells on Federal leases, Al Yepa with the Cuba Field Office is to be notified at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 289-3748. Office hours are 7:45 a.m. to 4:30 p.m.

For wells on Jicarilla leases notify Erwin Elote with the Jicarilla Apache Tribe at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 759-3242.

3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made :

Plug #2 - Drill logs from adjacent wells show top of the Ojo Alamo at about 3450'. Plug #2 needs to be increased to cover from 4058' to 3400'.

Plug #3 - Drill logs show that the top of the Nacimiento is about 1870'. Plug #3 needs to be moved to covered 1920' to 1820'.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Albuquerque Field Office
435 Montano Rd. N.E.
Albuquerque, New Mexico 87107- 4935
www.nm.blm.gov



IN REPLY REFER TO:
NMSF 080566
Ruddick 7A
3162.3-4 (010)

2 8 99

Energen Resources Corporation
Attention: Mr. Don Graham
2198 Bloomfield Highway
Farmington, NM 87401

Dear Mr. Graham:

The following conditions of approval must be complied with (as applicable) before the Ruddick 7A located 1990' FNL & 1100' FEL, Section 3, T. 25 N., R. 3 W., can be approved for final abandonment.

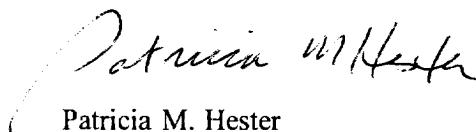
1. All fences, production equipment, purchaser's equipment, concrete slabs, deadman (anchors), flowlines, risers, debris and trash must be removed from the location.
2. Any oily soil or fluids must be properly disposed of in an approved disposal area.
3. Pits must be filled in and the edges of the pads shaped to conform to the natural terrain.
4. Pads must be leveled, dressed up by a maintainer, ripped and disked.
5. Access roads must be leveled, waterbarred, disked and blocked off with earthen berms at the junction with the main road and at the entrance to the well pad. Waterbars should be spaced as shown below. Contact the surface owner for access road closure.

% Slope	Spacing Interval
Less than 2%	200'
2 to 5%	150'
6 to 9%	100'
10 to 15%	50'
Greater than 15%	30'

6. All disturbed areas will be seeded with the prescribed seed mix (reseeding may be required).
Contact the surface owner for the prescribed seed mix.

After one growing season, notify us by Sundry Notice of Final Abandonment. We should be provided with a letter from the fee owner stating that the surface restoration is satisfactory. If you have any questions, please contact me at (505) 761-8786.

Sincerely,

A handwritten signature in black ink, reading "Patricia M. Hester". The signature is written in a cursive style with a large initial "P" and a long horizontal stroke extending to the right.

Patricia M. Hester
Surface Protection/Geologist