

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

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 reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ENERGEN RESOURCES CORPORATION

3a. Address

2198 Bloomfield Highway, Farmington, NM 87401

3b. Phone No. (include area code)

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

2080' FNL, 1023' FWL, Sec. 4, T25N, R3W, N.M.P.M.
23

5. Lease Serial No.

NMSF-080566

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Florance Federal 7

9. API Well No.

30-039-21769

10. Field and Pool, or Exploratory Area

Blanco MV

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

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <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 recompleat 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 recompleat 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 plug and abandon the Florance Federal #7 according to the attached procedure.



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Vicki Donaghey

Title

Regulatory Analyst

Date 10/20/05

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

NOV 02 2005

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

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, 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.

NMOCB

PLUG AND ABANDONMENT PROCEDURE

October 19, 2005

Florance Federal #7

Blanco Mesaverde

2028' FNL & 1023' FWL, NW, Section 4, T25N, R3W
Rio Arriba County, New Mexico, API #30-039-21769

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.
Cement will be ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield or Class B.

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. TOH and tally 2.375" tubing, total 6165', SN at 6134'. If necessary, LD tubing and use a workstring. Roundtrip 5.5" casing scraper to 5522'.
3. **Plug #1 (Mesaverde perforations and top, 5522' – 5422')**: TIH and set 4.5" CR at 5522'. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Pressure test casing to 800#. *If casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 16 sxs Type III and spot a balanced plug inside casing above CR to isolate the Mesaverde perforations. PUH to 3948'.
4. **Plug #2 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3948' – 3395')**: Mix 63 sxs cement and spot a balanced plug inside casing to cover from the PC top through the Ojo Alamo top. PUH with tubing to 1840'.
5. **Plug #3 (Nacimiento top, ^{2220 2120}1840' – 1740')**: Mix 16 sxs cement and spot a balanced plug inside the casing to cover the Nacimiento top. TOH and LD tubing.
6. **Plug #4 (8.625" Surface casing, 577' - Surface)**: Perforate 3 squeeze holes at 577'. Establish circulation out the bradenhead valve with water. Mix and pump approximately 155 sxs cement down the 5.5" casing to circulate good cement out bradenhead valve. Shut well in and WOC.
7. 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.

Florance Federal #7

Proposed P&A

Blanco Mesaverde

2028' FNL & 1023' FWL, Section 4, T-25-N, R-3-W
Rio Arriba County, NM / API #30-039-21769

Today's Date: 10/19/05

Spud: 4/16/78

Comp: 2/19/79

Elevation: 7388' GL
7400' KB

12.25" Hole

8.625" 24# J-55 Casing set @ 527'
325 sxs cement, circulated to surface

Perforate @ 577'

Plug #4: 577' - 0'
Type III cement, 155 sxs

Nacimiento @ 1790'

Top of Cmt @ 1700' (Calc, 75%)

Plug #3: 1840' - 1740'
Type III cement, 16 inside

Ojo Alamo @ 3445'

Plug #2: 3948' - 3395'
Type III cement, 63 sxs

Kirtland @ 3620'

Fruitland @ 3750'

Pictured Cliffs @ 3898'

Plug #1: 5522' - 5422'
Type III cement, 16 sxs

DV Tool @ 4510'
Cemented with 450 sxs (649 cf)

Top of Cmt @ 5300' (CBL)

Set CR @ 5522'

Mesaverde Perforations:
5572' - 5858'; sqz'd w/150 sxs
(2001)

5984' - 6170'

Set CIBP @ 6650' and dump bail
5 sxs cement (1978)

Mesaverde @ 5570'

Gallup Perforations:
7280' - 7358'

Gallup @ 6810'

7.875" Hole

% 5" 15.5#&17#, K-55 Casing @ 7747'
Cemented with 500 sxs

TD 7750'
PBD 6650'

Florance Federal #7

Current

Blanco Mesaverde

2028' FNL & 1023' FWL, Section 4, T-25-N, R-3-W
Rio Arriba County, NM / API #30-039-21769

Today's Date: 10/19/05

Spud: 4/16/78

Comp: 2/19/79

Elevation: 7388' GL
7400' KB

12.25" Hole

8.625" 24# J-55 Casing set @ 527'
325 sxs cement, circulated to surface

Well History

Jan '91: Reseat packer at 6059'.

Mar '01: Fish tubing and packer. Sqz Mesaverde perforations 5572' – 5858' w/150 sxs cement. DO cement. Acidize and swab. Land tubing.

Top of Cmt @ 1700' (Calc, 75%)

Nacimiento @ 1790'

Ojo Alamo @ 3445'

Kirtland @ 3620'

Fruitland @ 3750'

Pictured Cliffs @ 3898'

2.375" Tubing set at 6165'
(SN @ 6134")

DV Tool @ 4510'
Cemented with 450 sxs (649 cf)

Top of Cmt @ 5300' (CBL)

Mesaverde @ 5570'

Mesaverde Perforations:
5572' – 5858'; sqz'd w/150 sxs
(2001)

5984' – 6170'

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5 sxs cement (1978)

Gallup @ 6810'

Gallup Perforations:
7280' – 7358'

7.875" Hole

%.5" 15.5#&17#, K-55 Casing @ 7747'
Cemented with 500 sxs

TD 7750'
PBSD 6650'