

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)

505-325-6800

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

2120' FNL, 1300' FEL, Sec. 12, T29N, R8W, N.M.P.M.

(G) SW/NE

5. Lease Serial No.

NMSE 078596A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Florance AB 4

9. API Well No.

30-045-28654

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

San Juan 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 AB #4 well according to the attached plugging procedures.



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

Vicki Donaghey

Title

Regulatory Analyst

Date

03/30/07

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

APR 03 2007

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.

NMOCD

PLUG AND ABANDONMENT PROCEDURE

March 27, 2007

Florance AB #4

Basin Fruitland Coal

2120' FNL & 1300' FEL, Section 12, T29N, R8W

San Juan County, New Mexico, API #30-045-28654

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. Project will require a Pit Permit (C103) from the NMOCD.
2. Install and test location rig anchors. Prepare and line a waste fluid 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.
3. PU and unseat pump to insure it is free. Reseat pump. Pressure test tubing to 1000#. POH and LD rods and pump. TOH and visually inspect 2.375" tubing, total 3015'. If necessary LD tubing and PU a workstring. ND wellhead and NU BOP. Test BOP. Round trip a 5.5" casing scraper or wireline gauge ring to 2820'.
4. **Plug #1 (Pictured Cliffs top, Fruitland Coal perforations, and Fruitland top, 3008' – 2610'):** TIH and set 5.5" CR at 2802'. 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.* Mix 67 sxs Type III cement, squeeze 42 sxs below CR to isolate the Pictured Cliffs zone and fill the Fruitland perforations, then leave 25 sxs above CR cover the Fruitland top. PUH to 2159'.
2197' 1876'
5. **Plug #2 (Kirtland and Ojo Alamo tops, ~~2159' – 2010'~~):** Mix ~~21~~ sxs Type III cement and spot a plug inside the casing to cover the Kirtland and Ojo Alamo tops. PUH to 820'.
669' 569'
6. **Plug #3 (Nacimiento top, ~~820' – 720'~~):** Mix 16 sxs Type III cement and spot a plug inside the casing to cover the Nacimiento top. PUH to 306'.
7. **Plug #4 (8.625" Surface Casing, 306' – Surface):** Attempt to pressure test the bradenhead annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix approximately 35 sxs Type III cement and spot a balanced plug from 306' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut well in and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the casing and the bradenhead annulus.
8. 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 AB #4

Current

Basin Fruitland Coal

2120' FNL & 1300' FEL, NE, Section 12, T-29-N, R-8-W

San Juan County, NM / API #30-45-28654

Today's Date: 3/27/07

Spud: 9/28/92

Completion: 12/4/92

Elevation: 6325' GL

Nacimiento @ 770'

Ojo Alamo @ 2060'

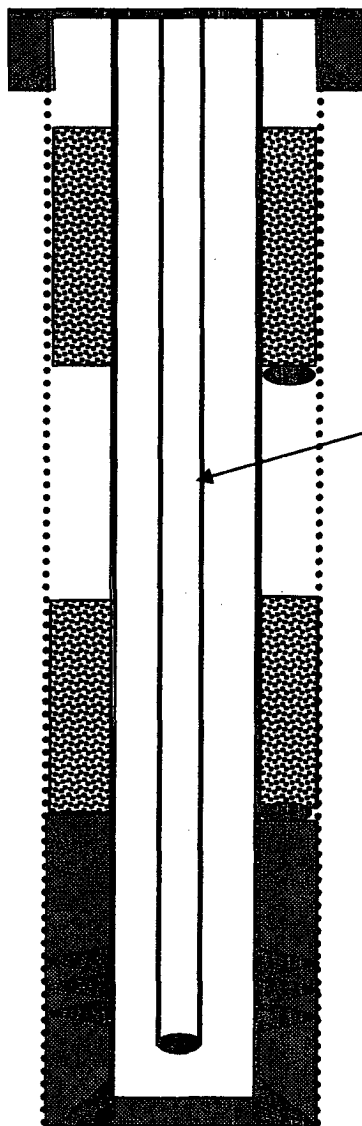
Kirtland @ 2109'

Fruitland @ 2660'

Pictured Cliffs @ 3015'

12.25" hole

7.875" hole



TD 3172'
PBTB 3093'

8.625" 23#, Casing set @ 256'
Cement with 200 sxs (Circulated to Surface)

TOC Unknown after casing squeeze.

Casing leak 686' - 1127', Sqzd w/ 240 sxs;
good circ., no cement to surface. (2004)

2.375" Tubing set at 3015'
(4.7# J-55 with SN at 2982'
with rods and pump)

TOC @ 1920' (CBL 2004)

Perforate @ 2300', Sqzd w/
140 sxs; ran CBL. (2004)

Fruitland Coal Perforations:
2852' - 3008'

5.5" 15.5#, J-55 Casing set @ 3166'
Cemented with 660 sxs (1200 cf)
Note: Lost circulation after 108 bbls into lead
cement on 5.5" casing. Original TOC unknown.

Florance AB #4

Proposed P&A

Basin Fruitland Coal

2120' FNL & 1300' FEL, NE, Section 12, T-29-N, R-8-W

San Juan County, NM / API #30-45-28654

Today's Date: 3/27/07

Spud: 9/28/92

Completion: 12/4/92

Elevation: 6325' GL

12.25" hole

Nacimiento @ 770'

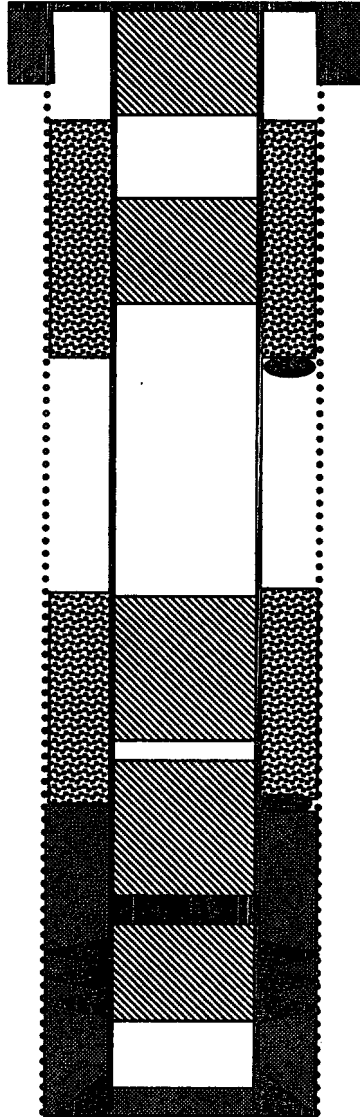
Ojo Alamo @ 2060'

Kirtland @ 2109'

Fruitland @ 2660'

Pictured Cliffs @ 3015'

7.875" hole



TD 3172'
PBTD 3093'

TOC Unknown after casing squeeze.

8.625" 23#, Casing set @ 256'
Cement with 200 sxs (Circulated to Surface)

Plug #4: 306' – 0'
Type III cement, 35 sxs

Plug #3: 820' – 720'
Type III cement, 16 sxs

Casing leak 686' – 1127', Sqzd w/ 240 sxs;
good circ., no cement to surface. (2004)

TOC @ 1920' (CBL 2004) **Plug #2: 2159' – 2010'**
Type III cement, 21 sxs

Plug #1: 3008' – 2610'
Type III cement, 67 sxs:
42 sxs below CR and
25 sxs above.

Perforate @ 2300', Sqzd w/
140 sxs; ran CBL. (2004)

Set Cmt Ret @ 2802'

Fruitland Coal Perforations:
2852' – 3008'

5.5" 15.5#, J-55 Casing set @ 3166'
Cemented with 660 sxs (1200 cf)
Note: Lost circulation after 108 bbls into lead
cement on 5.5" casing. Original TOC unknown.