

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)

1650' FSL, 990' FWL, Sec. 21, T26N, R05W, N.M.P.M.
NW/SW

5. Lease Serial No.

Jicarilla Contract 109

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

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

8. Well Name and No.

Jicarilla F 1

9. API Well No.

30-039-06379

10. Field and Pool, or Exploratory Area

South Blanco Pictured Cliffs

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

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☒ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

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 Jicarilla F #1 well per the attached procedure.



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

Vicki Donaghey

Title

Regulatory Analyst

Date

09/07/05

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date SEP 21 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.

PLUG AND ABANDONMENT PROCEDURE

September 7, 2005

Jicarilla F #1

Blanco Pictured Cliffs

1650' FSL & 990' FWL, Section 21, T26N, R5W
Rio Arriba County, New Mexico, API #30-039-06379

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. 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.
2. ND wellhead and NU BOP. Test BOP. TOH and tally 99 joints 2.375" tubing, total tally 3099' with SN at 3067'. If necessary LD tubing and use a workstring.
3. **Plug #1 (Pictured Cliffs perforations, Fruitland, Kirtland and Ojo Alamo tops, 3017' – ^{2410'}2520')**: TIH and set 5.5" CR at ^{950'}960'. 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 ~~36~~ sxs cement and spot a balanced plug inside the casing above CR to isolate the Pictured Cliffs perforations and to cover through the Ojo Alamo top. TOH with tubing.
4. **Plug #2 (Nacimiento top, ^{1164'}1000' – ^{1064'}900')**: Perforate 3 squeeze holes at ^{1164'}1000'. Attempt to establish rate into squeeze holes if the casing pressure tested prior to perforating. Set 5.5" cement retainer at ^{950'}960'. Establish rate into squeeze holes. Mix and pump 42 sxs cement, squeeze 27 sxs outside the casing and leave 15 sxs inside casing to cover the Nacimiento top. TOH and LD tubing.
5. **Plug #3 (8.625" casing shoe and surface, 151' - Surface)**: Perforate 3 squeeze holes at 151'. Establish circulation out the bradenhead valve with water. Mix and pump approximately 55 sxs cement down the 5.5" casing to circulate good cement out bradenhead valve. Shut well in and WOC.
6. 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.

Jicarilla F #1

Current

Blanco Pictured Cliffs

1650' FSL& 990' FWL, SW, Section 21, T-26-N, R-5-W

Rio Arriba County, NM / API #30-039-06379

Today's Date: 9/07/05

Spud: 1/28/57

Completion: 2/15/57

Elevation: 6654' GL

Nacimiento @ 950'

Ojo Alamo @ 2570'

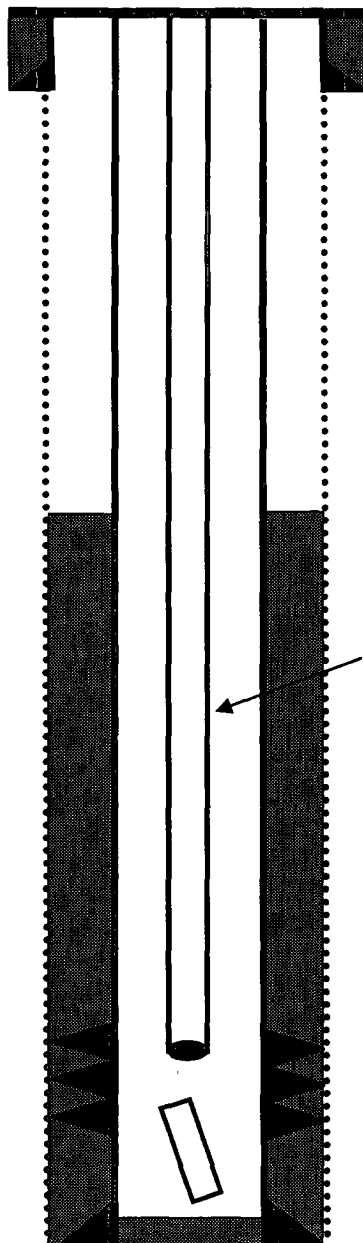
Kirtland @ 2650'

Fruitland @ 2878'

Pictured Cliffs @ 3063'

12.25" hole

7.875" hole



8.625" 24#, J-55 Casing set @ 101'
Cement with 80 sxs (Circulated to Surface)

WELL HISTORY

Aug '01: Pull 1-1/4". Set RBP and PT casing. Acidize well and land tubing at 3106'. Move rig off. Slick line found sand in tubing at 3085'. Move rig back on and pull 1-1/4" tubing, left 6 joints in well. Fished with no recovery. Land 1-1/2" tubing at 3099'. Left fish in hole at 3124'. Swab well.

Jul '02: TOH and LD crimped 1-1/2" tubing. Run new 1-1/2" IJ tubing and land.

May '04: Pull tubing. Clean out to 3158'. Re-perforate PC zone 3086' to 3131'. Run frac string and foam frac well. Land tubing and swab well.

TOC @ 2280' (T.S.)

2.375" Tubing set at 3099'

Pictured Cliffs Perforations:
3067' - 3132'
(3086' to 3131' in 2004)

Left 1-1/4" tubing in well, CO to 3158' (2001)

5.5" 15.5#, J-55 Casing set @ 3215'
Cemented with 150 sxs

TD 3215'
PBD 3185'

Jicarilla F #1

Proposed P&A

Blanco Pictured Cliffs

1650' FSL& 990' FWL, SW, Section 21, T-26-N, R-5-W

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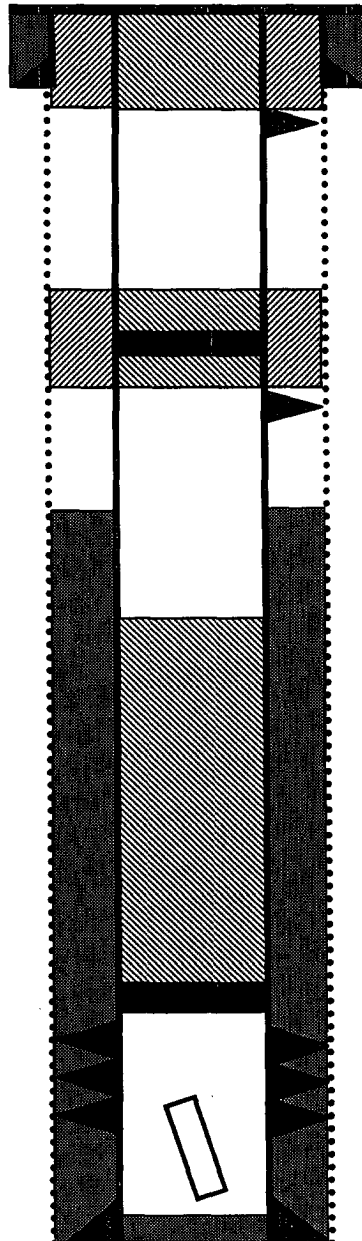
Kirtland @ 2650'

Fruitland @ 2878'

Pictured Cliffs @ 3063'

12.25" hole

7.875" hole



8.625" 24#, J-55 Casing set @ 101'
Cement with 80 sxs (Circulated to Surface)

Perforate @ 151' Plug #3: 151' - 0'
Type III cement, 55 sxs

Cmt Retainer @ 950'

Perforate @ 1000'

Plug #2: 1000' - 900'
Type III cement, 42 sxs:
27 outside and 15 inside

TOC @ 2280' (T.S.)

Plug #1: 3017' - 2520'
Type III cement, 56 sxs

Set CR @ 3017'

Pictured Cliffs Perforations:
3067' - 3132'
(3086' to 3131' in 2004)

Left 1-1/4" tubing in well, CO to 3158' (2001)

5.5" 15.5#, J-55 Casing set @ 3215'
Cemented with 150 sxs

The Jicarilla Apache Nation requires 45 days to evaluate this well beginning from 9/19 / 2005 in order to determine if they would like to assume ownership of the well. If the Jicarilla Apache Nation has not contacted your office before the end of the 45 days you may proceed with plugging operations.