

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

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)

1545' FSL, 1775' FWL, Sec. 16, T26N, R5W, N.M.P.M.

5. Lease Designation and Serial No.

Jic Cont 109

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Jicarilla F 12

9. API Well No.

30-039-06471

10. Field and Pool, or exploratory Area

Basin Fruitland Coal

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.)\*

Energen intends to plug and abandon this well as per the attached plugging procedure.

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

Signed [Signature]

Title Drilling & Completion Foreman

Date 10/19/00

(This space for Federal or State office use)

Lands and Mineral Resources

Approved by /s/ Brian W. Davis

Title \_\_\_\_\_

Date NOV 29 2000

Conditions of approval, if any:

## PLUG & ABANDONMENT PROCEDURE

10/19/00

### **Jicarilla F #12**

Basin Fruitland Coal

1545' FSL & 1775' FWL, Section 16, T-26-N, R-5-W  
Rio Arriba Co., New Mexico

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.

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. Tally and prepare 1-1/4" IJ tubing workstring. Round-trip 2-7/8" wireline gauge ring to 1331', or as deep as possible.
3. **Plug #1 (Pictured Cliffs and Fruitland perforations, Kirtland and Ojo Alamo tops, 3035' – 2409')**: TIH with tubing to 3035' or as deep as possible. Pump 30 bbls water down tubing. Mix and spot 26 sxs Class B cement (two 13 sxs stages) above the existing CIBP at 3035' to isolate the PC perforations and to fill the Fruitland Coal perforations and to cover Kirtland and Ojo Alamo tops. PUH and WOC. TIH with tubing and tag cement. Load casing with water and circulate well clean. Pressure test the casing to 500#. If casing does not test then spot or tag subsequent plugs as appropriate. TOH with tubing.
4. **Plug #2 (Nacimiento top, 1331' – 1231')**: Perforate 2 squeeze holes at 1331'. Establish rate into squeeze holes if casing tested. If casing pressure tests after plug #1 and able to pump into squeeze holes, then mix and pump 60 sxs Class B cement down 2-7/8"; squeeze 50 sxs outside and leave 10 sxs inside to cover Nacimiento top, displace to 1000'. Shut in well and WOC. If casing did not test before perforating, then set 2-7/8" wireline retainer at 1281'. Establish rate into squeeze holes. Mix 55 sxs Class B cement and squeeze 50 sxs cement outside 2-7/8" casing and leave 5 sxs cement inside casing to cover Nacimiento top. TOH and LD tubing.
5. **Plug #3 (8-5/8" casing shoe, 148' - surface)**: Perforate 2 squeeze holes at 148'. Establish circulation out bradenhead. Mix and pump approximately 60 Class B cement down 2-7/8" casing, circulate cement out bradenhead valve. SI 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.

# Jicarilla F #12

Current

Basin Fruitland Coal

SW, Section 26, T-16-N, R-5-W, Rio Arriba County, NM

Today's Date: 10/19/00

Spud: 5/4/61

PC Completion: 7/21/61

FtC Completion: 7/29/94

Elevation: 6569' GI

Nacimiento @ 1281'

Ojo Alamo @ 2459'

Kirtland @ 2695'

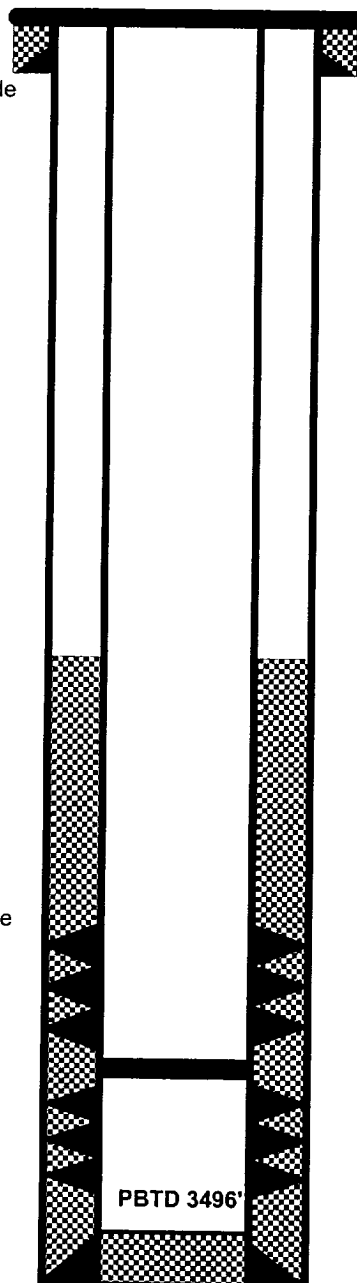
Fruitland Coal @ 2897'

Pictured Cliffs @ 3034'

12-1/4" hole

7-7/8" hole  
to 2899'

6-3/4" hole



8-5/8" 24# J-55 Casing set @ 98'  
Cmt w/ 100 sxs (Circulated to Surface)

## WELL HISTORY

Jul '94: Fruitland Coal Re-Completion:  
Ran CNL, then set CIBP at 3035'; ran  
CBL; set packer at 3030' and could pump  
past CIBP; set RBP at 3035'; perfed,  
acidized and fraced Ft Coal zones; blew  
well clean with nitrogen; ran after frac log.

TOC @ 2430' ('94 CBL)

Fruitland Coal Perforations:  
2940' - 3023'

CIBP @ 3035' (Jul '94)

Pictured Cliffs Perforations:  
3038' - 3084'

2-7/8" 6.4# J-55 Casing set @ 3504'  
Cemented with 90 sxs (331 cf)

# Jicarilla F #12

Proposed P&A  
Basin Fruitland Coal

SW, Section 26, T-16-N, R-5-W, Rio Arriba County, NM

Today's Date: 10/19/00  
Spud: 5/4/61  
PC Completion: 7/21/61  
FtC Completion: 7/29/94  
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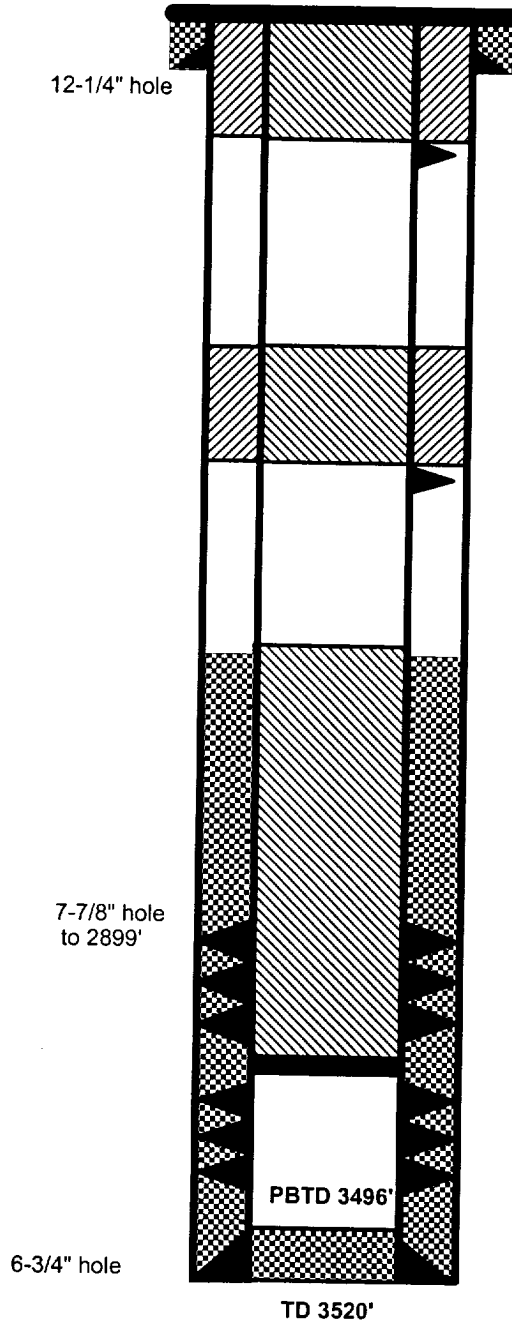
Nacimiento @ 1281'

Ojo Alamo @ 2459'

Kirtland @ 2695'

Fruitland Coal @ 2897'

Pictured Cliffs @ 3034'



2-7/8" 6.4#, J-55 Casing set @ 3504'  
Cemented with 90 sxs (331 cf)

## **BLM CONDITIONS OF APPROVAL**

The following surface rehabilitation Conditions of Approval must be complied with as applicable, before this well can be approved for final abandonment (see 43 CFR 3162.3-4). Surface rehabilitation work shall be completed within one year of the actual plugging date. Notification for completion of this work can be submitted with a Sundry Notice. Questions? Call Pat Hester at (505) 761-8786.

1. All fences, production equipment, purchaser's equipment, concrete slabs, deadman (anchors), flowlines, risers, debris and trash must be removed from the location. Non-retrieved flowlines and pipelines will be abandoned in accordance with State Rule 714. Information supporting the non-retrieval will be included in the subsequent report or final abandonment Sundry Notice.

2. Production pits will be closed according to the Unlined Surface Impoundment Closure Guidelines, as approved in the Environmental Assessment of December 1993. Any oil stained soils can be remediated on-site according to these guidelines or disposed of in an approved facility.

3. The well pad will be shaped to the natural terrain and left as rough as possible. All compacted areas and areas devoid of vegetation shall be ripped to a minimum of 12" in depth before reseeding.

4. Access roads will be shaped to conform to the natural terrain and left as rough as possible to deter vehicle travel. Access will be ripped to a minimum of 12" in depth, water barred and reseeded. All erosion problems created by the development must be corrected prior to acceptance of release. Water bars should be spaced as shown below along the fall line of the slope:

% Slope	Spacing Interval
Less than 20%	200'
2 to 5 %	150'
6 to 9 %	100'
10 to 15 %	50'
Greater than 15%	30'

5. All disturbed areas will be seeded with the prescribed certified seed mix (reseeding may be required). Seed mix must be certified weed free to avoid the introduction of noxious weeds. Refer to the original APD for seed mix.

6. Notify Surface Managing Agency seven (7) days prior to seeding so that they may be present to witness.

7. The period of liability under the bond of record will not be terminated until the well is inspected and the surface rehabilitation approved.

Other Surface Managing Agencies (SMA's) may vary slightly in their restoration requirements. It is your responsibility, as the operator, to obtain surface restoration requirements from other SMA's. We need to be provided with a copy of these requirements. Any problems concerning stipulations received from other SMA's should be brought to us.

On private land, a letter from the fee owner stating that the surface restoration is satisfactory will be provided to the office. Questions? Call Pat Hester at (505) 761-8786.