

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

5. Lease Designation and Serial No.

Jic Cont 120

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. If Unit or CA, Agreement Designation

NM

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)

1450' FSL, 1630' FWL, Sec. 31, T26N, R4W, N.M.P.M.

8. Well Name and No.

Jicarilla 120C 21

9. API Well No.

30-039-22075

10. Field and Pool, or exploratory Area

South Blanco Pictured Cliffs

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 8/21/00

(This space for Federal or State Office Use)  
/s/ Brian W. Davis

Title Lands and Mineral Resources

Approved by

Date OCT 19 2000

Conditions of approval, if any:

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

8/17/00

**Jicarilla 120 C #21**  
So. Blanco Pictured Cliffs  
1450' FSL & 1630' FWL, Section 31, T-26-N, R-4-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. Release packer at 3110', in 8000# tension. TOH and tally 1-1/4" tubing; LD packer. If necessary LD tubing and PU 1-1/4" IJ workstring. If necessary round-trip 2-7/8" gauge rig to 3154'
3. **Plug #1 (Pictured Cliffs Interval, Fruitland, Kirtland and Ojo Alamo tops, 3154' – 2716')**: Set a 2-7/8" wireline CIBP at 3154'. TIH with tubing and tag CIBP. Load casing with water and circulate clean, attempt to pressure test casing to 500#. If casing does not test then spot or tag subsequent plugs as appropriate. Mix 20 sxs Class B cement ( two 10 sxs stages) and spot a balanced plug inside casing above the CIBP to isolate PC perforations and cover through Ojo Alamo top. TOH with tubing.
4. **Plug #2 (Nacimiento top, 1730' – 1630')**: Perforate 2 squeeze holes at 1730'. Establish rate into squeeze holes if casing tested. Set 2-7/8" wireline retainer at 1680'. TIH with tubing and stinger and establish rate into squeeze holes. Mix 55 sxs Class B cement, 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, 182' - Surface)**: Perforate 2 squeeze holes at 182'. Establish circulation out bradenhead. Mix and pump approximately 65 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 120 C #21

Current

So. Blanco Pictured Cliffs

SW, Section 31, T-26-N, R-4-W, Rio Arriba County, NM

Today's Date: 8/17/00

Spud: 9/4/79

Completed: 10/20/79

Elevation: 6758' GI

12-1/4" hole

Hole in csg  
1130' - 1190'

Nacimiento @ 1680'

7-7/8" hole to 2732'

Ojo Alamo @ 2765'

Kirtland @ 2870'

Fruitland @ 2915'

Pictured Cliffs @ 3190'

6-3/4" hole

PBTD 3364'

TD 3374'

8-5/8" 24# K-55 Casing set @ 132'  
Cmt w/ 118 cf (Circulated to Surface)

## Well History

Oct '98: BH Test - no tubing, Casing and BH zero.

Dec '98: Production drop from 20 MCFD to zero.

May '00: Clean Out: Slickline tagged fill at 3224';  
Ran 1-1/4" tubing; CO with bailer for 5 days; found  
casing leak, isolated with a packer; land tubing.

May '00: Swab Test: Over 3 days recovered 130  
bbls; no tubing blow.

TOC @ 1900' (T.S.)

1-1/4" Tubing set at 3110'  
(103 joints with C-1 packer set at 3110')

Pictured Cliffs Perforations:  
3204' - 3282'

2-7/8" 6.4#, J-55 Casing set @ 3374'  
Cemented with 252 cf

# Jicarilla 120 C #21

## Proposed P&A

So. Blanco Pictured Cliffs

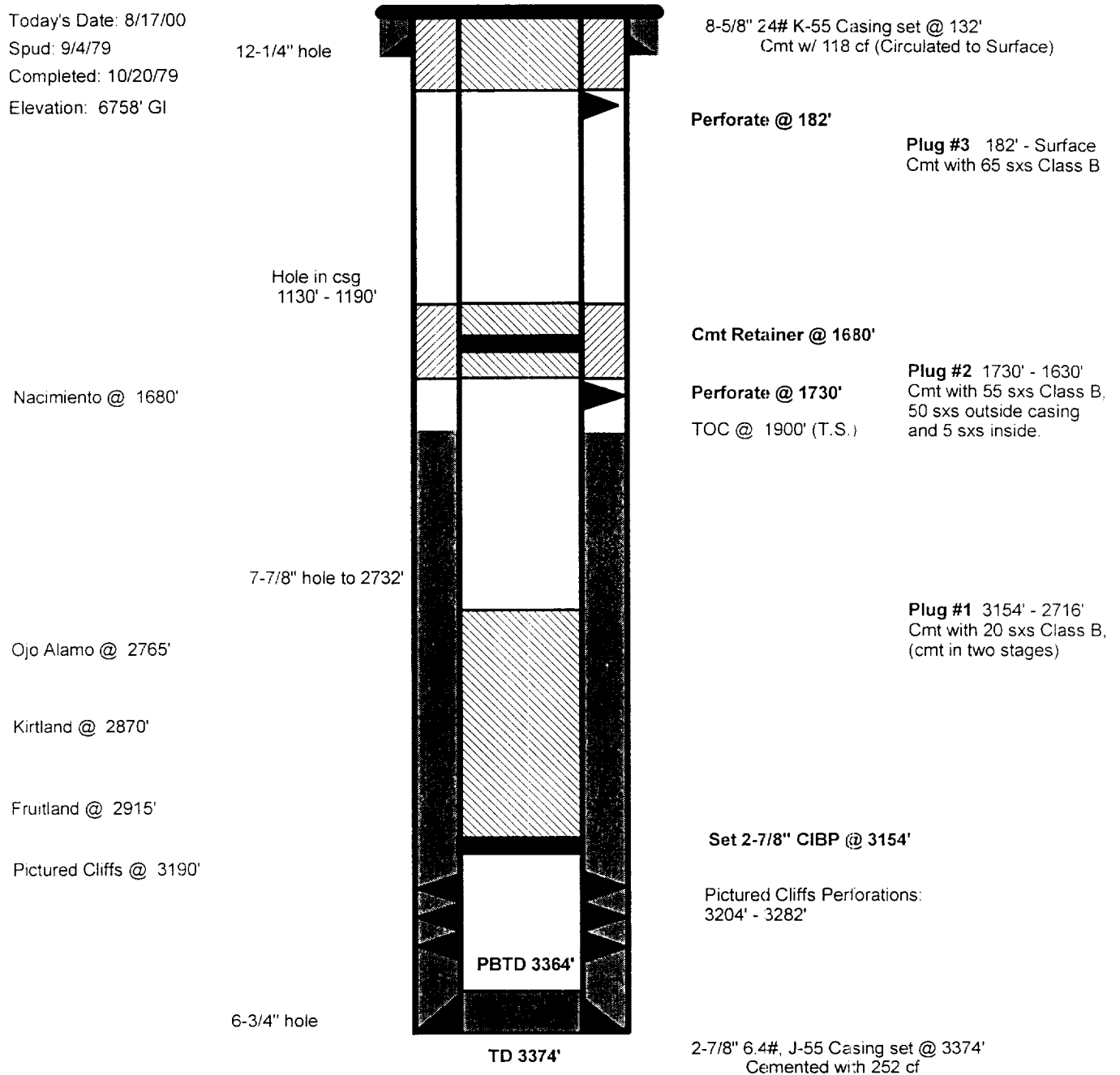
SW, Section 31, T-26-N, R-4-W, Rio Arriba County, NM

Today's Date: 8/17/00

Spud: 9/4/79

Completed: 10/20/79

Elevation: 6758' GI



## **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.