

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)  
790 FSL, 1090 FEL, Sec. 35, T25N, R2W, N.M.P.M.

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation  
NMNM-76263

8. Well Name and No.  
Hawk Federal 1

9. API Well No.  
30-039-23206

10. Field and Pool, or exploratory Area  
Gavilan PC

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.)\*

As per the termination of the Communitization Agreement (CA) NMNM-76263 (NMA25), 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 Monica Papp Title Production Assistant Date 6/26/00

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

Submit plans to Aztec NMOC for approval on feedline

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

5/10/00

**Hawk Federal #1**  
Gavilan Pictured Cliffs  
790' FNL & 1090' FEL, Section 35, T-25-N, R-2-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 NMOC, 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. Prepare an 1-1/4" IJ tubing workstring. Round-trip 2-7/8" wireline gauge ring to 3347', or as deep as possible.
3. **Plug #1 (Pictured Cliffs perforations, Fruitland, Kirtland and Ojo Alamo tops, 3347' – 3050')** Set 2-7/8" wireline CIBP at 3347'. TIH with tubing and tag CIBP. Load casing with water and circulate clean, pressure test casing to 500#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 15 sxs Class B cement 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, 1700' – 1600')**: Perforate 2 squeeze holes at 1700'. Establish rate into squeeze holes if casing tested. If casing tested then and able to pump into squeeze holes, then mix and pump 33 sxs Class B cement down 2-7/8", squeeze 28 sxs outside and leave 5 sxs inside to cover Nacimiento top, displace to 1300'. Shut in well and WOC. If casing does not test before perforating, then set 2-7/8" wireline retainer at 1650'. Establish rate into squeeze holes. Mix 32 sxs Class B cement and squeeze 28 sxs cement outside 2-7/8" casing and leave 4 sxs cement inside casing to cover Nacimiento top. TOH and LD tubing.
5. **Plug #3 (8-5/8" casing shoe, 286' - Surface)**: Perforate 2 squeeze holes at 286'. Establish circulation out bradenhead. Mix and pump approximately 85 Class B cement down 2-7/8" casing, circulate cement out bradenhead valve. Shut in well 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.

# Hawk Federal #1

Current

Gavilan Pictured Cliffs

NE, Section 35, T-25-N, R-2-W, Rio Arriba County, NM

Today's Date: 5/10/00

Spud: 5/21/83

Completed: 7/15/83

Elevation: 7321' GI  
7340' KB

12-1/4" hole

8-5/8" 24# Casing set @ 236'  
Cmt w/ 177 cf (Circulated to Surface)

Nacimiento @ 1650'

TOC @ 2800' (T S )

Ojo A amo @ 3100'

Kirtland @ 3250'

Fruitland @ 3320'

Pictured Cliffs @ 3390'

Pictured Cliffs Perforations:  
3397' - 3456'

PBTD 3496'

6-1/4" hole

2-7/8" 6 4#, J-55 Casing set @ 3504'  
Cemented with 331 cf

TD 3520'

# Hawk Federal #1

## Proposed P&A

Gavilan Pictured Cliffs

NE, Section 35, T-25-N, R-2-W, Rio Arriba County, NM

Today's Date: 5/10/00

Spud: 5/21/83

Completed: 7/15/83

Elevation: 7321' GI  
7340' KB

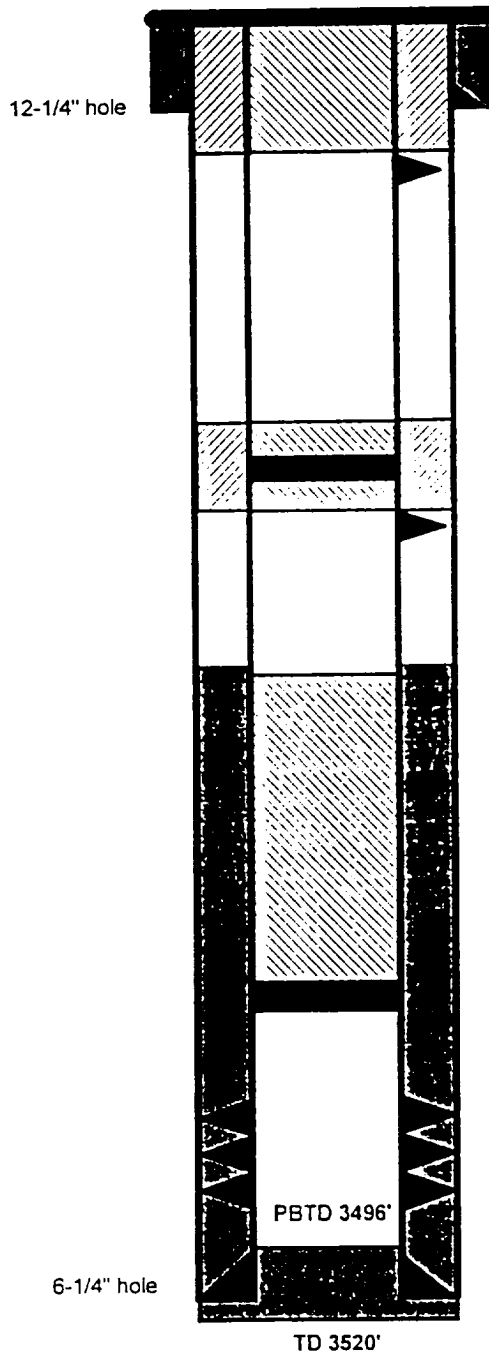
Nacimiento @ 1650'

Ojo Alamo @ 3100'

Kirtland @ 3250'

Fruitland @ 3320'

Pictured Cliffs @ 3390'



8-5/8" 24# Casing set @ 236'  
Cmt w/ 177 cf (Circulated to Surface)

Perforate @ 286' Plug #3 286' - Surface  
Cmt with 85 sxs Class B

Plug #2 1700' - 1600'  
Cmt with 32 sxs Class B  
28 sxs outside casing  
and 4 sxs inside.

Cmt Retainer @ 1650'

Perforate @ 1700'

TOC @ 2800' (T S )

Plug #1 3347' - 3050'  
Cmt with 15 sxs Class B

Set CIBP @ 3347'

Pictured Cliffs Perforations:  
3397' - 3456'

2-7/8" 6 4# J-55 Casing set @ 3504'  
Cemented with 331 cf