

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

**OIL CONSERVATION DIVISION**

2040 Pacheco St.  
Santa Fe, NM 87505

**DISTRICT I**  
P.O. Box 1980, Hobbs NM 88241-1980

**DISTRICT II**  
P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.  
30-039-23206

5. Indicate Type of Lease  
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name  
Hawk Federal

1. Type of Well:  
OIL WELL ☐ GAS WELL ☒ OTHER

8. Well No.  
1

2. Name of Operator  
ENERGEN RESOURCES CORPORATION

3. Address of Operator  
2198 Bloomfield Highway, Farmington, NM 87401

9. Pool name or Wildcat  
Gavilan Pictured Cliffs

4. Well Location  
Unit Letter A : 790 Feet From The North Line and 1090 Feet From The East Line

Section 35 Township 25N Range 2W NMPM Rio Arriba County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)  
7321' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

**NOTICE OF INTENTION TO:**

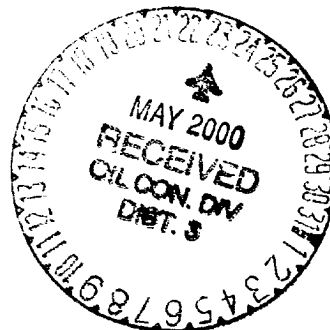
PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐  
OTHER: ☐

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

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.



I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Monica Papp TITLE Production Assistant DATE 5/22/00

TYPE OR PRINT NAME Monica Papp TELEPHONE NO. 505-325-6800

(This space for State Use)

ORIGINAL SIGNED BY CHARLIE T. PERAIN

DEPUTY OIL & GAS INSPECTOR, DIST. 3

MAY 23 2000

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

## 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 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. 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 Alamo @ 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

12-1/4" hole

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

Nacimiento @ 1650'

Cmt Retainer @ 1650'

Perforate @ 1700'

TOC @ 2800' (T S )

Ojo Alamo @ 3100'

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

Kirtland @ 3250'

Fruitland @ 3320'

Set CIBP @ 3347'

Pictured Cliffs @ 3390'

Pictured Cliffs Perforations:  
3397' - 3456'

6-1/4" hole

PBTD 3496'

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

TD 3520'

