

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.

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

5. Lease Designation and Serial No.

SF-080565

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Florance Federal 9

9. API Well No.

30-039-22831

10. Field and Pool, or exploratory Area

W Lindrith Gallup Dakota

11. County or Parish, State

Rio Arriba NM

SUBMIT IN TRIPLICATE

RECEIVED  
BLM  
MAR 22 PM 1:14  
DIO ALBUQUERQUE, N.M.

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)

1000' FSL, 1000' FEL, Sec. 5, T25N, R3W, N.M.P.M.

RECEIVED  
APR 29 1999  
OIL CON. DIV.  
DIST. 3

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.)\*

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.

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

Signed Don Graham

Title Production Foreman

Date 3/19/99

(This space for Federal or State office use)

Approved by Don R. Selt

Title Lands and Mineral Resources

Date APR 28 1999

Conditions of approval, if any:

Surface Restoration costs in attached letter.

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.

\* See Instruction on Reverse Side

## PLUG & ABANDONMENT PROCEDURE

3-18-99

### **Florance Federal #9**

Dakota

1000' FSL and 1000' FEL, Section 5, T-25-N, R-03-W  
Rio Arriba Co., New Mexico

Note: All cement volumes use 100% excess outside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and/or test rig anchors. Prepare blow pit. Comply to all NMOCD, BLM and Energen safety rules and regulations. MOL and RUSU. Blow well down; kill with water if necessary. Pressure test tubing before unseating pump. POH and LD 324 7/8" and 3/4" rods and pump. Hot oil tubing if necessary
3. ND wellhead and NU BOP and stripping head; test BOP. POH, tally and visually inspect 262 joints 2-3/8" tubing (8170'). If necessary LD tubing and PU workstring. Round trip gauge ring or casing scraper to 8070', if no anchor was present.
4. **Plug #1 (Dakota perforations, 8070' - 7970')**: Set 4-1/2" wireline CIBP or cement retainer at 8070'. TIH with open ended tubing and tag CIBP. Load casing with water and circulate clean. Pressure test casing to 500#. If casing does not hold then spot or test subsequent plug as appropriate. Mix 17 sacks Class B cement and spot a balance plug above the CIBP to isolate the Dakota perforations. PUH to 7045'.
5. **Plug #2 (Gallup top, 7045' - 6945')**: Mix 17 sxs Class B cement and spot a balanced plug to cover the Gallup top. PUH to 5461'.
6. **Plug #3 (Mesaverde top, 5461' - 5361')**: Mix 17 sxs Class B cement and spot a balanced plug to cover the Mesaverde top. PUH to 3782'. Note fluid stability in wellbore.
7. **Plug #4 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3782' - 3324')**: Mix 58 sxs Class B cement and spot balanced plug to cover the Ojo Alamo top. If casing did not test then WOC and tag cement. TOH with tubing.
8. **Plug #5 (Nacimiento top, 1760' - 1660')**: Perforate 3 HCS squeeze holes at 1760'. Establish rate into squeeze holes if casing tested. Set a 5-1/2" cement retainer at 1710'. Establish rate into Nacimiento squeeze holes. Mix 46 sxs Class B cement and squeeze 29 sxs cement outside 5-1/2" casing and leave 17 sxs cement inside casing to cover Nacimiento top. TOH and LD tubing.
9. **Plug #6 (Surface)**: Perforate 3 HSC squeeze holes at 609'. Establish circulation out bradenhead valve. Mix approximately 170 sxs Class B cement and pump down 5-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
9. **Plug #7 (Surface Annulus)**: Pick up 50' of small tubing and run into 8-5/8" x 12-1/4" annulus. Establish circulation to surface. Mix approximately 20 sxs Class B cement and pump down tubing to fill annulus, circulate good cement to surface.
10. 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.

# Florance Federal #9

Current

Basin Dakota

SE Section 5, T-25-N, R-3-W, Rio Arriba County, NM

Today's Date: 3/18/99

Spud: 11/9/81

Dk Completed: 12/20/81

MV Completed: 3/3/83

MV P&A'd: 12/11/89

Nacimiento @ 1710'

Ojo Alamo @ 3374'

Kirtland @ 3496'

Fruittland @ 3592'

Pictured Cliffs @ 3732'

Mesaverde @ 5411'

Gallup @ 6995'

Dakota @ 8057'

12-1/4" Hole

7-7/8" Hole

PBTD 8373'

TD 8410'

8-5/8" 24# Csg set @ 559'  
450 sxs cement (Not Circulated to Surface)

Top of Cmt @ 1890' (Calc, 75%)

## WORKOVER HISTORY:

10/82: Complete MV zone; RBP pushed to bottom.

12/89: MV squeezed off; RBP pushed to 8280'; acidized Dk perms; ran tubing and rods for Dk.

DV tool @ 4519', Cmt w/425 sxs

Top of Cmt @ 4600' (CBL)

Mesaverde Perforations: 5415' - 5937'  
squeezed off with 300 sxs cement in '89

DV tool @ 6501', Cmt w/ 425 sxs

Top of Cmt @ 6620' (CBL)

2-3/8" Tubing Set at 8170'  
(262 joint, EUE), with  
324 7/8" and 3/4" rods and pump

Dakota Perforations: 8120' - 8196'

2 RBP pushed below perforations ('83 & '89)

5-1/2" 17&15.5#, K-55 casing set @ 8410'  
Cmt w/ 450 sxs

# Florance Federal #9

Proposed P &  
A Basin Dakota

SE Section 5, T-25-N, R-3-W, Rio Arriba County, NM

Today's Date: 3/18/96  
Spud: 11/9/81  
Dk Completed: 12/20/81  
MV Completed: 3/3/83  
MV P&A'd: 12/11/89

12-1/4" Hole

Nacimiento @ 1710'

Ojo Alamo @ 3374'

Kirtland @ 3496'

Fruitland @ 3592'

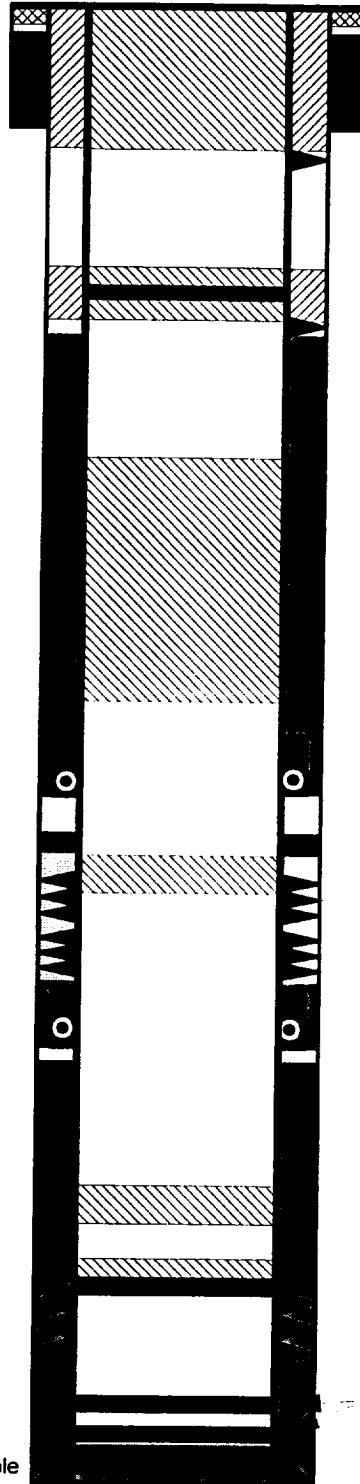
Pictured Cliffs @ 3732'

Mesaverde @ 5411'

Gallup @ 6995'

Dakota @ 8057'

7-7/8" Hole



PBTD 8373'

TD 8410'

Plug #7 50' - Surface  
Cmt with 20 sxs Class B,  
in 8-5/8" x 12-1/4" annulus.

8-5/8" 24# Csg set @ 559'  
450 sxs cement (Not Circulated to Surface)

Perforate @ 609'

Plug #6 609' - Surface  
Cmt with 170 sxs Class B.

Cement Rt @ 1710'

Perforate @ 1760'

Plug #5 1760' - 1660'  
Cmt with 46 sxs Class B,  
29 sxs outside casing  
and 17 sxs inside.

Top of Cmt @ 1890'  
(Calc, 75%)

Plug #4 3782' - 3324'  
Cmt with 58 sxs Class B

DV tool @ 4519', Cmt w/425 sxs

Top of Cmt @ 4600' (CBL)

Plug #3 5461' - 5361'  
Cmt with 17 sxs Class B

Mesaverde Perforations: 5415' - 5937'  
squeezed off with 300 sxs cement in '89

DV tool @ 6501', Cmt w/ 425 sxs

Top of Cmt @ 6620' (CBL)

Plug #2 7045' - 6945'  
Cmt with 17 sxs Class B

Set CIBP @ 8070'

Plug #1 8070' - 7970'  
Cmt with 17 sxs Class B

Dakota Perforations: 8120' - 8196'

2 RBP pushed below perforations ('83 & '89)

5-1/2" 17&15.5#, K-55 casing set @ 8410'  
Cmt w/ 450 sxs

CONDITIONS OF APPROVAL FOR PERMANENT ABANDONMENT

Operator Energen Resources Well Name Florence Fed #9

1. Plugging operations authorized are subject to the "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. For wells on Federal leases, Al Yepa with the Cuba Field Office is to be notified at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 289-3748. Office hours are 7:45 a.m. to 4:30 p.m.  
  
For wells on Jicarilla leases notify Erwin Elote with the Jicarilla Apache Tribe at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 759-3242.
3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made : none



## United States Department of the Interior

### BUREAU OF LAND MANAGEMENT

Albuquerque Field Office

435 Montañito Rd. N.E.

Albuquerque, New Mexico 87107-4935

[www.nm.blm.gov](http://www.nm.blm.gov)



IN REPLY REFER TO:

3162.3-4 (017)

NMSF 080565

Florance 9

APR 28 1999

Energen Resources Corporation  
Attention: Mr. Don Graham  
2198 Bloomfield Highway  
Farmington, New Mexico 87401

Dear Mr. Graham:

The following conditions of approval must be complied with (as applicable) before the Florance 9 located 1000' FSL & 1000' FEL, Section 5, T. 25 N., R. 3 W., can be approved for final abandonment.

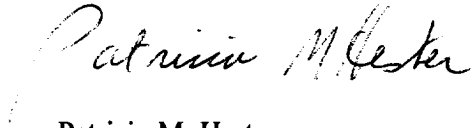
1. All fences, production equipment, purchaser's equipment, concrete slabs, deadman (anchors), flowlines, risers, debris and trash must be removed from the location.
2. Any oily soil or fluids must be properly disposed of in an approved disposal area.
3. Pits must be filled in and the edges of the pads shaped to conform to the natural terrain.
4. Pads must be leveled, dressed up by a maintainer, ripped and disked.
5. Access roads must be leveled, waterbarred, disked and blocked off with earthen berms at the junction with the main road and at the entrance to the well pad. Waterbars should be spaced as shown below. Contact the surface owner for access road closure requirements.

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

6. All disturbed areas will be seeded with the prescribed seed mix (reseeding may be required).  
**Contact the surface owner for the prescribed seed mix.**

After one growing season, notify us by Sundry Notice of Final Abandonment. We should be provided with a letter from the fee owner stating that the surface restoration is satisfactory. If you have any questions, please contact me at (505) 761-8786.

Sincerely,

A handwritten signature in cursive script that reads "Patricia M. Hester". The signature is written in black ink and is positioned above the printed name and title.

Patricia M. Hester  
Surface Protection/Geologist