

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM MAIL ROOM

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

SUNDRY NOTICES AND REPORTS ON WELLS - 1 PH 12: 51

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.

070 FARMINGTON, NM

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Robert L. Bayless

3. Address and Telephone No.

P.O. Box 168 Farmington, New Mexico 87499 (505) 326-2659

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2137 FNL & 1067 FWL

Section 3, T 29 N, R 13 W

5. Lease Designation and Serial No.

SF 078643

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Northridge #2

9. API Well No.

10. Field and Pool, or Exploratory Area

Fulcher Kutz

11. County or Parish, State

San Juan County, 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 Completion Report

- ☐ 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.)*

Please see attached report.

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

Signed Kevin H. McCord

Title Petroleum Engineer

Date 11/29/95

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

ACCEPTED FOR RECORD

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

DEC 04 1995
FARMINGTON DISTRICT OFFICE

ROBERT L. BAYLESS
NORTHRIDGE #2
2137 FNL & 1067 FWL
SWNW, SECTION 3, T29N R13W
SAN JUAN COUNTY, NEW MEXICO

COMPLETION REPORT

11-21-95 Rig up BJ Services frac equipment. Pressure tested casing to 3000 psi, held OK. Rigged up Blue Jet. Ran GR-CLL from 1495 ft (corrected PBDT) to 1000 ft. Perforate Pictured Cliffs interval with 3 1/8" casing gun at 4 JSPF as follows:

| | | | |
|----------------|-------------|-----------------|---------------|
| 1372 - 1377 ft | 5 ft | 20 holes | |
| 1383 - 1386 ft | <u>3 ft</u> | <u>12 holes</u> | |
| Total | 8 ft | 32 holes | .34" diameter |

Broke down perforations at 2400 psi. Established an injection rate of 7.0 BPM @ 1050 psi, ISIP = 350 psi (FG = 0.69). Acidize Pictured Cliffs interval with 500 gallons of 7.5% DI weighted HCL acid containing 48 1.1 sg RCN ball sealers. Saw ball action too early and balled off casing to 3000 psi (suspect debris in cement water plugged perforations). Bled off pressure and pumped into perforations several times. Ran junk basket in hole and knocked ball sealers to bottom. Did not recover any ball sealers. Attempt to inject into perforations again. Acid finally broke down perforations and established injection rate of 6.2 BPM @ 700 psi, ISIP = 370 psi. Fracture stimulated Pictured Cliffs formation with 20,500 gallons of fluid containing 3,000 gallons of 30# X-linked borate gelled fluid pad and 17,500 gallons of 70 quality foam using 30# X-linked borate gelled fluid containing 60,000 lbs. of 16-30 mesh sand as follows:

| | |
|----------------------------------------------------------|-----------------------|
| 3,000 gals of 30# X-linked fluid pad | 15 BPM @ 700 psi |
| 5,000 gals 70 qual foam with 0-4 ppg (ramped) 16-30 sand | 15 BPM @ 850 psi |
| 12,500 gals 70 qual foam with 4 ppg 16-30 sand | 15 BPM @ 900-1000 psi |
| 900 gals 70 qual foam flush | 15 BPM @ 900 psi |

ISIP = 830 psi decreasing to 770 psi after 15 minutes. All water contained 2% KCL and 1/2 gal/1000 clay stabilization agent. Average rate 15 BPM, average pressure 900 psi, maximum pressure 1000 psi, minimum pressure 700 psi, Average nitrogen rate 4,000 scfm, total nitrogen pumped 132,000 scf. Total fluid to recover 235 bbls. Shut well in for 3 hours. Blew well back to a flowback tank, through a 1/2" inline choke. Well flowing to cleanup. Shut down for the night.

11-22-95 Well died after 4 1/2 hours of flow after frac. Move in and rig up JC Well Service rig. Nipple up wellhead and BOP. Pick up 2 3/8" tubing. Tag sand fill at 1334 ft RKB. Circulated 44 ft of fill from hole to 1378 ft RKB, then lost circulation (in perforations). Trip tubing out of hole. Shut down for the night.

11-23-95 Shut down, Thanksgiving Day.

11-24-95 Shut in pressure was 0 psi. Trip in hole with hydrostatic bailer on tubing. Clean out 67 ft of sand fill to 1445 ft RKB when bailer stopped working. Trip out of hole with tubing and bailer. Trip in hole with production tubing and landed as follows:

| <u>Description</u> | <u>Length</u> | <u>Depth</u> |
|------------------------------|----------------|--------------|
| KB to landing point | 3.60 | 0-4 |
| 43 jts of 2 3/8" 4.7#/ft J55 | | |
| EUE yellowband used tubing | 1351.05 | 4-1355 |
| 1 seating nipple | 1.00 | 1355-1356 |
| 1 jt of 2 3/8" tubing | 28.95 | 1356-1384 |
| 1 sawtooth collar | .50 | 1384-1385 |
| | <u>1385.10</u> | |

Nipple down BOP. Nipple up wellhead. Rigged to swab. Initial fluid level at approximately 400 ft. Made approximately 8 swab runs and well kicked off flowing to tank through a 1/4" choke with 360 psi flowing tubing pressure and 420 psi flowing annulus pressure. Well flowing to cleanup.

11-25-95 Well flowing to tank through a 1/4" choke with 300 psi flowing tubing pressure and 400 psi flowing annulus pressure. Approximate water production rate is 4 barrels per hour (96 BWPD). Changed to a 1/2" choke. Flowing tubing pressure dropped to 240 psi with 350 psi flowing annulus pressure. Approximate water production rate increased to 14 barrels per hour (336 BWPD). Well flowing to cleanup.

11-26-95 Well flowing to tank through a 1/2" choke with 200 psi flowing tubing pressure and 350 psi flowing annulus pressure. Approximate water production rate is 16 barrels per hour (384 BWPD). Well flowed remainder of day. Final flowing tubing pressure was 175 psi with 325 psi flowing annulus pressure. Approximate final water production rate was 12 barrels per hour (288 BWPD). Shut well in for buildup and hookup.