Form 9–331
Dec. 1973

Form Approved.
Budget Bureau No. 42–R1424

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
# GEOLOGICAL SURVEY

## 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 Form 9–331–C for such proposals.)

1. oil well ☐    gas well ☒    other

2. NAME OF OPERATOR

Robert L. Bayless

3. ADDRESS OF OPERATOR

P.O. Box 1541, Farmington, NM    87401
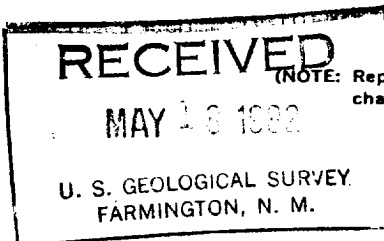
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE:    810' FSL & 910' FWL

AT TOP PROD. INTERVAL:    same

AT TOTAL DEPTH:    same

5. LEASE
Contract 42

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
AXI "D"

9. WELL NO.
6

10. FIELD OR WILDCAT NAME
Ballard Pic. Cliffs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 20, T24N, R4W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
N.M.

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6738' GL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

| | |
|---|---|
| TEST WATER SHUT-OFF | ☐ |
| FRACTURE TREAT | ☐ |
| SHOOT OR ACIDIZE | ☐ |
| REPAIR WELL | ☐ |
| PULL OR ALTER CASING | ☐ |
| MULTIPLE COMPLETE | ☐ |
| CHANGE ZONES | ☐ |
| ABANDON* | ☐ |

(other)

SUBSEQUENT REPORT OF:

| | |
|---|---|
| | ☐ |
| | ☒ |
| | ☒ |
| | ☐ |
| | ☐ |
| | ☐ |
| | ☐ |
| | ☐ |

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FARMINGTON, N. M.

(NOTE: Report results of multiple completion or zone change on Form 9–330.)

17. 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.)*

per attached.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED _Kevin H. M^Coud_    TITLE _Engineer_    DATE _May 18, 1982_

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

N A I C C

05-12-82  Rigged up Blue Jet.  Ran Gamma Ray – Collar Locator log from PBTD
of 2670 ft. to 2300 ft. (expected PBTD was 2682 ft.).  Perforated
Pictured Cliffs interval as follows:

| | | |
|---|---|---|
| 2544-2563 | 19 ft. | 10 holes |
| 2569-2583 | 14 ft. | 7 holes |
| 2598-2609 | 11 ft. | 6 holes |

   total 44 ft., 23 holes (1 shot every 2 ft.)

Rigged up The Western Co. Broke down perforations at 3500 psi.
Established rate into perfs of 6.1 BPM @ 2100 psi.  ISIP=1000 psi.
Acidized Pictured Cliffs interval with 250 gallons of $7\frac{1}{2}$% HCL
acid and 33 RCN ball sealers, 5.4 BPM @ 1700 psi.  ISIP=1000 psi.
Had some ball action; did not balloff.  Rigged up Blue Jet and
ran junk basket to retrieve balls.  Fracture stimulated Pictured
Cliffs interval with 42,300 gallons 70 quality foam and 37,340 lbs.
10/20 mesh sand as follows:

| | | |
|---|---|---|
| 10,000 gal. foam pad | 20 BPM @ 2800 psi | |
| 5,000 gal. 1 ppg 10/20 sand | 20 BPM @ 2700 psi | |
| 4,620 gal. 2 ppg 10/20 sand | 20 BPM @ 2700 psi | (well started screening out, sand concentration was lowered) |
| 8,400 gal. 3/4 ppg 10/20 sand | 20 BPM @ 3250 psi | |
| 8,610 gal. 1 ppg 10/20 sand | 20 BPM @ 2900 psi | |
| 5,460 gal. $1\frac{1}{2}$ ppg 10/20 sand | 20 BPM @ 2950 psi | |
| 210 gal. foam flush sand | 20 BPM @ 4000 psi | (well totally sanded off) |

ISIP = 4000 psi
5 min.=3100 psi
10 min.=2800 psi          (shut-in pressures)
15 min.=2700 psi

Average foam rate 20 BPM; average pressure 2900 psi; maximum pressure
4000 psi; minimum pressure 2650 psi; average nitrogen rate was
6000 scf/min.  Total nitrogen pumped 303,640 scf.  Load to recover
339 bbls.  Let fracture heal 2 hrs.  Opened well to the atmosphere.
Well flowing to cleanup for AOF.