

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 11, 1985

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 -" for such proposals.)

| | |
|--|---|
| 1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER | 3. LEASE DESIGNATION AND SERIAL NO. Jicarilla Contract 459 |
| 2. NAME OF OPERATOR Robert L. Bayless | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache Tribe |
| 3. ADDRESS OF OPERATOR P.O. Box 168, Farmington, NM 87499-0168 | 7. UNIT AGREEMENT NAME |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1650' FNL & 790' FWL | 8. FARM OR LEASE NAME Jicarilla 459 |
| 14. PERMIT NO. | 9. WELL NO. #2 |
| 15. ELEVATIONS (Show whether OP, ST, GL, etc.) 7162' GL 7174' KB | 10. FIELD AND POOL, OR WILDCAT Wildcat PC |
| | 11. SEC., T., R., W., OR BLE. AND SUBST. OR AREA Sec. 20-T30N-R3W |
| | 12. COUNTY OR PARISH Rio Arriba |
| | 13. STATE NM |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|--|---|---|--|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETION <input type="checkbox"/> | FRACURE TREATMENT <input checked="" type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input type="checkbox"/> | SHOOTING OR ACIDIZING <input checked="" type="checkbox"/> | ABANDONMENT* <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | (Other) <u>Perforating</u> | <input checked="" type="checkbox"/> |
| (Other) <input type="checkbox"/> | | (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) | |

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.) *

SEE ATTACHED DAILY REPORTS 11/25/87 thru 11/30/87.

RECEIVED
DEC 02 1987
OIL CON. DIV.
DIST. 3

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

| | | |
|--|-----------------------|----------------------|
| SIGNED <u>Kevin H. McCord</u> Kevin H. McCord | TITLE <u>Engineer</u> | DATE <u>11/30/87</u> |
| (This space for Federal or State office use) | | |
| APPROVED BY _____ | TITLE _____ | DATE _____ |
| CONDITIONS OF APPROVAL, IF ANY: | | |

*See Instructions on Reverse Side

ROBERT L. BAYLESS

PETROLEUM PLAZA BUILDING
P. O. BOX 168
FARMINGTON, NEW MEXICO 87499
(505) 326-2659

JICARILLA 459 #2
Section 20, T30N, R3W
1650' FNL & 790' FWL
Rio Arriba County, New Mexico

DAILY REPORT

11/11/87 Log with Welex. Run 1EL, CDL, and CNL logs. Trip in hole with drillpipe. Lay down drillpipe and collars. Run 4 1/2" casing as follows:

| <u>DESCRIPTION</u> | <u>LENGTH</u> | <u>DEPTH</u> |
|--|---------------|--------------|
| KB to landing point | 12.00 | 0 - 12 |
| 96 joints of 4 1/2" 11.6#/ft J-55 LTC Casing | 4091.64 | 12 - 4104 |
| 1 - 4 1/2" Differential fill float collar | 1.85 | 4104 - 4105 |
| 1 joint of 4 1/2" 11.6#/ft J-55 LTC Casing | 37.54 | 4105 - 4143 |
| 1 - 4 1/2" Cement filled guide shoe | .67 | 4143 - 4144 |
| | 4143.70 | |

Centralizers at: 4124, 3805, 3763, and 3720. Rig up Dowell. Pump five (5) bbls of water ahead of cement. Cement longstring with 300 sacks of class B cement with 2% D-79 and 1/4# celeflake per sack tailed by 150 sacks of 50/50 pozmix with 2% gel, 10% salt, and 1/4# flocele per sack. Good circulation throughout job. Circulate cement to surface. Bump plug to 2000 PSI. Held okay. Plug down at 6:30 p.m. 11/10/87. Rig down, release rig at 12:00 a.m. 11/11/87. Wait on completion.

11/25/87 Move in and rig up Bayless Rig #4. Nipple up wellhead. Nipple up BOP. Picked up 3 7/8" bit and 1 1/2" tubing. Tagged cement at 4098' RKB. Shut down for night.

11/26/87 Shut down for Thanksgiving.

11/27/87 Rigged up the Western Company. Pressure tested casing to 3500 psi--held OK. Circulated hole clean with 2% KCL water. Moved tubing to 3796' RKB. Spotted 250 gallons of 7 1/2% DI HCL acid. Tripped tubing out of hole. Rigged up Basin Perforators. Ran GR-CLL from PBTD of 4084' to 3550'.

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1650' FNL & 790' FWL
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DAILY REPORT

11/27/87 (Continued)

Perforated Pictured Cliffs interval with 3 1/8" casing gun and 2 JSPF as follows:

| | | |
|-----------|------------|--------------------------|
| 3743-3748 | 5' | 11 holes |
| 3750-3754 | 4' | 9 holes |
| 3764-3772 | 8' | 17 holes |
| 3778-3796 | <u>18'</u> | <u>37</u> holes |
| | 35' | 74 holes (.34" diameter) |

Broke down perforations at 2200 psi. Established an injection rate of 7 1/2 BPM @ 800 psi, ISIP = 500 psi. Acidized the Pictured Cliffs interval with 500 gallons of 7 1/2% weighted HCL acid containing 111 1.1 s.g. RCN ball sealers--7 1/2 BPM @ 650 psi. Saw good ball action. Balled off casing to 3500 psi. Surged off ball sealers. Established injection rate into perforations of 7 1/2 BPM @ 1200 psi, ISIP = 550 psi. Ran junk basket on wireline. Recovered 107 ball sealers. Fracture stimulated Pictured Cliffs interval with 62,500 gallons of 70 quality foam containing 85,000# of 20-40 mesh sand as follows:

| | |
|------------------------------------|-------------------|
| 12,500 gal. of 70 quality foam pad | 30 BPM @ 2050 psi |
| 15,000 gal. of 1 ppg 20-40 sand | 30 BPM @ 2150 psi |
| 35,000 gal. of 2 ppg 20-40 sand | 30 BPM @ 2150 psi |
| 2,437 gal. of foam flush | 30 BPM @ 2100 psi |

| | |
|-------------------|-------------------|
| ISIP = 1450 psi | 5 min = 1450 psi |
| 10 min = 1450 psi | 15 min = 1400 psi |

All water contained 2% KCL and 1/2 gal/1000 clay stabilizer. Average rate 30 BPM, average pressure 2150 psi, maximum pressure 2150 psi, minimum pressure 2050 psi, average nitrogen rate 15,200 SCF/min. Total nitrogen pumped 783,100 SCF. Total fluid to recover 559 barrels. Shut in well for 3 hours. Opened well to flow to atmosphere through 1/2" tapped bullplug. Shut down for night.

11/28/87 Well flowing to clean up after frac.

11/29/87 Well flowing to clean up after frac.

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DAILY REPORT

11/30/87 Well blowing dry burnable gas. Killed well. Trip in hole with hydrostatic bailer on tubing. Tagged sand fill at 3944'. Cleaned out 95 ft. of sand to 4039' (243' of rathole). Trip tubing and bailer out of hole. Trip in hole with 1 1/2" tubing and landed as follows:

| <u>Description</u> | <u>Length</u> | <u>Depth</u> |
|---|---------------|--------------|
| KB to landing point | 10.00 | 0- 10 |
| 110 jts. 1 1/2" 2.9#/ft J-55 EUE tubing | 3722.04 | 10-3732 |
| 1 seating nipple | .95 | 3732-3733 |
| 1 jt. 1 1/2" 2.9#/ft J-55 EUE tubing | <u>34.25</u> | 3733-3767 |
| | 3767.24 | |

Nipple down BOP. Nipple up wellhead. Well kicked off flowing. Left well flowing to the atmosphere to clean up. Released rig.