

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 31, 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 458
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		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 1815' FNL & 230' FEL		8. FARM OR LEASE NAME Jicarilla 458
14. PERMIT NO.		9. WELL NO. 3
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 7089' GL 7107' RKB		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., E., M., OR BLK. AND SURVEY OR AREA Section 7, T30N, R3W
		12. COUNTY OR PARISH Rio Arriba
		13. STATE NM

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Perforating; set tubing

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(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 4/1/88 thru 4/13/88.

RECEIVED  
BLM MAIL ROOM  
88 APR 14 PM 12:56  
FARMINGTON RESOURCE AREA  
FARMINGTON, NEW MEXICO

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

SIGNED

Kevin H. McCord

TITLE Petroleum Engineer

DATE 4/13/88

(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

RECEIVED  
BLM MAIL ROOM

88 APR 14 PM 12:57

Jicarilla 458 #3

DAILY REPORT

FARMINGTON RESOURCE AREA  
FARMINGTON, NEW MEXICO Page 2

3/15/88 (Continued)

Centralizers at: 3885, 3819, 3777, 3734, 3692, and 3649. Rigged up the Western Company. Cemented longstring casing with 300 sx (618 ft.<sup>3</sup>) Class B cement with 2% Econolite and 1/4# celeflake/sx tailed by 125 sx (158 ft.<sup>3</sup>) 50/50 pozmix with 2% gel, 10% salt and 1/4# celeflake/sx. Good circulation throughout job. Circulated cement to the surface. Bumped plug to 2000 psi--held OK. Plug down at 7:00 PM 3/14/88. Rig down. Release rig. Wait on completion.

4/01/88 Move in and rig up Bayless Rig 4. Nipple up wellhead. Nipple up BOP. Pick up 3 7/8" bit and 1 1/2" tubing. Tag cement at 3857 ft. RKB (5' of cement fill). Shut down for night.

4/02/88 to 4/03/88 Shut down--Easter weekend.

4/04/88 Rigged up the Western Company. Pressure tested casing to 3500 psi--held OK. Circulated the hole clean with 2% KCL water. Moved tubing to 3790 ft. RKB. Spotted 250 gallons of 7 1/2% DI HCL acid across perforation interval. Tripped tubing out of hole. Rigged up Basin Perforators. Ran GR-CLL from PBTD of 3741 ft. to 3500 ft. Perforated Pictured Cliffs interval with 3 1/8" casing gun and 2 JSPF as follows:

3716 - 3726	10'	21 holes
3736 - 3738	2'	5 holes
3744 - 3752	8'	17 holes
3754 - 3758	4'	9 holes
3760 - 3766	6'	13 holes
3774 - 3783	9'	19 holes
3786 - 3790	4'	9 holes
	43'	93 holes (.34" diameter)

Broke down the Pictured Cliffs interval @ 1800 psi. Established an injection rate of 7.0 BPM @ 400 psi, ISIP = 250 psi. Acidized the Pictured Cliffs interval with 500 gallons of 7 1/2% DI weighted HCL acid containing 140 1.1 s.g. RCN ball sealers. 7.0 BPM @ 350 psi. Saw some ball action. Balled off casing to 3500 psi. Surged balls off perforations. Final injection rate of 7.0 BPM @ 350 psi, ISIP = 250 psi. Ran junk basket to retrieve ball sealers. Recovered 138 ball sealers. Fracture stimulated Pictured Cliffs interval with 64,750 gallons of 70 quality foam containing 79,500 lbs. of 20-40 sand as follows:

15,000 gal. of 70 quality foam pad	30 BPM @ 1950 psi
20,000 gal. of 1 ppg 20-40 sand	30 BPM @ 2000-1900 psi
29,750 gal. of 2 ppg 20-40 sand	30 BPM @ 1900-2200 psi

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FARMINGTON RESOURCE AREA  
FARMINGTON, NEW MEXICO

Jicarilla 458 #3

DAILY REPORT

4/04/88 (Continued)

Well screened off to 3500 psi.

ISIP	= 3500 psi	5 min.	= 3200 psi
10 min.	= 3100 psi	15 min.	= 3050 psi

Average rate - 30 BPM. Average pressure - 2000 psi. Maximum pressure - 3500 psi. Minimum pressure - 1900 psi. Nitrogen pump rate - 13,900-14,700 SCF/min. Total nitrogen pumped - 713,313 SCF. Total fluid to recover - 637 bbls. All water contained 2% KCL and 1/2 gal/1000 day stabilization agent. Left well shut in overnight. Shut down for night.

4/05/88 Overnight pressure was 2500 psi. Trip in the hole with a notched collar on 1 1/2" tubing. Tagged sand at 2711 ft. RKB. Circulated 30 ft. sand bridge. Tagged sand at 2877 ft. Cleaned out 721 ft. of sand to 3598 ft. Shut down for night.

4/06/88 Circulated 166 ft. of sand out of hole to 3764 ft. Lost circulation. Trip tubing out of hole. Trip in hole with hydrostatic bailer on tubing. Cleaned out 74 ft. of sand with bailer to 3838 ft. RKB. Total sand cleaned--991 ft. Trip tubing and bailer out of hole. Trip in hole with tubing. Tagged sand fill at 3760 ft. RKB. Trip out of hole with tubing. Shut down for night.

4/07/88 Trip in hole with hydrostatic bailer on tubing. Tagged sand fill at 3742 ft. Cleaned out 115 ft. of sand to 3857 ft. Trip tubing and bailer out of hole. Trip in hole with 1 1/2" tubing. Tagged sand fill at 3791 ft. Moved tubing to 3742 ft. RKB. Rigged to swab. Made 9 swab runs. Well making sand. Well kicked off. Well flowed for 45 minutes and died. Made 4 more swab runs. Well making lots of sand. Annulus pressure was 700 psi. Shut well in. Shut down for night.

4/08/88 Overnight pressures: tubing 150 psi, annulus 900 psi. Tubing blew down immediately. Rigged to swab. Made 3 swab runs and well started flowing. Left well flowing. Shut down for night.

4/09/88 to 4/10/88 Well flowing to clean up after frac.

ROBERT L. BAYLESS

PETROLEUM PLAZA BUILDING  
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Jicarilla 458 #3

DAILY REFERENCE FARMINGTON RESOURCE AREA  
FARMINGTON, NEW MEXICO

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4/11/88 Killed well. Tagged sand fill at 3785 ft. RKB. Tripped tubing out of hole. Picked up hydrostatic bailer. Tripped in hole. Cleaned out 15 ft. of sand with bailer. Bailer quit working. Tripped out of hole. Redressed bailer. Trip in hole. Cleaned out 72 ft. of sand with bailer to PBTD of 3857 ft. RKB. Trip tubing and bailer out of hole. Trip 1 1/2" tubing in hole and land as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	10.00	0- 10
113 jts. 1 1/2" 2.9#/ft J-55 EUE tubing	3697.79	10-3708
1 seating nipple	.75	3708-3709
1 jt. 1 1/2" 2.9#/ft J-55 EUE tubing	34.16	3709-3743
	3742.70	

Nipple down BOP. Nipple up wellhead. Rigged to swab. Made 5 swab runs. Well did not kick off. Shut down for night.

4/12/88 Kicked well off flowing. Rigged down and released rig. Well cleaning up for AOF.

4/13/88 Shut in well for 7-day buildup for AOF test.