

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. WELL TYPE OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		3. LEASE DESIGNATION AND SERIAL NO. Jicarilla Contract 464	
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 1850' FSL & 1775' FEL		8. FARM OR LEASE NAME Jicarilla 464	
14. PERMIT NO.		9. WELL NO. 4	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7014' GL 7026' RKB		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 31, 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:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)			

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACURE TREATMENT	<input checked="" type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input checked="" type="checkbox"/>
(Other) Perforating			

(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 3/7/88 - 3/21/88.

RECEIVED  
BLM MAIL ROOM  
03 MAR 25 PM 2:02  
FARMINGTON RESOURCE AREA  
FARMINGTON, NEW MEXICO

RECEIVED  
MAR 31 1988  
OIL CON. DIV.  
DIST. 3

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

SIGNED Kevin H. McCord TITLE Petroleum Engineer DATE 3/24/88

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

NMCCO

# ROBERT L. BAYLESS

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

Jicarilla 464 #4

## DAILY REPORT

Page 2

3/07/88 Waiting on completion rig.

3/08/88 Move in and rig up Bayless Rig 4. Nipple up wellhead. Nipple up BOP. Pick up bit, sub and 1 1/2" tubing. Tagged cement at 3936 ft. RKB. Shut down for night.

3/09/88 Drilled 83 ft. of cement to PBTD of 4019 ft. RKB. Rigged up the Western Co. Pressure tested casing to 3500 psi--held OK. Circulated hole clean with 2% KCL water. Moved tubing to 3952 ft. 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 4014 ft. RKB to 3400 ft. Perforated Lower Pictured Cliffs interval with 3 1/8" casing gun and 2 JSPF as follows:

3926 - 3932	6'	13 holes
3934 - 3945	11'	23 holes
3947 - 3952	<u>5'</u>	<u>11 holes</u>
	22'	47 holes (.34" diameter)

Broke down perforations @ 2000 psi. Established an injection rate into perforation down casing of 7.0 BPM @ 600 psi. ISIP = 400 psi. Acidized the Lower Pictured Cliffs interval with 500 gallons of 7 1/2% weighted HCL acid containing 71 1.1 s.g. RCN ball sealers. 7.0 BPM @ 600 psi--very little ball action. Balled off casing to 4000 psi. Surged balls off perforations. Established an injection rate of 7.0 BPM @ 750 psi. ISIP = 500 psi. Ran junk basket. Recovered 71 ball sealers. Shut down for night.

3/10/88 Rigged up the Western Co. Fracture stimulated the Lower Pictured Cliffs interval with 75,000 gallons of 70 quality foam containing 100,000# of 20-40 sand as follows:

15,000 gal. of 70 quality foam pad	30 BPM @ 2250 psi
20,000 gal. of 1 ppg 20-40 sand	30 BPM @ 2250 psi
40,000 gal. of 2 ppg 20-40 sand	30 BPM @ 2300 psi
2,556 gal. of foam flush	30 BPM @ 2250 psi

ISIP = 1700 psi	5 min. = 1450 psi
10 min. = 1400 psi	15 min. = 1400 psi

(All water contained 2% KCL and 1/2 gal/1000 clay stabilization agent). Average rate - 30 BPM. Average pressure - 2300 psi. Maximum pressure - 2300 psi. Minimum pressure - 2250 psi. Nitrogen pump rate - 15,600 SCF/min. Total nitrogen pumped - 960,024 SCF. Total fluid to recover - 567 bbls. Shut well in for 3 hours to allow frac to heal. Well flowing to clean up after frac. Shut down for night.

# ROBERT L. BAYLESS

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

Jicarilla 464 #4

## DAILY REPORT

Page 3

3/11/88 Well flowing to clean up after frac.

3/12/88 Ran sinker bars on sandline. Tagged sand fill at 3955 ft. RKB (below perfs). Trip in hole with hydrostatic bailer on tubing. Clean out 51 ft. of sand fill to 4016 ft. RKB. Bailer quit working. Trip tubing out of hole. Lost sand on trip out of hole. Repaired bailer. Trip in hole with bailer for second run. Tagged sand fill at 3914 ft. RKB. Bailer would not work. Trip tubing and bailer out of hole. Shut down for night.

3/13/88 Shut down--Sunday.

3/14/88 Trip in hole with hydrostatic bailer on 1 1/2" tubing. Tagged sand fill at 3914 ft. RKB. Worked bailer in sand (possible bridge) to 4006 ft. RKB. Trip out of hole with tubing. Recovered very little sand. Ran sinker bars on sandline. Tagged sand fill at 4012 ft. RKB. Well came in and unloaded sand and fluid. Tripped in hole with 1 1/2" tubing. Tagged sand fill at 3910 ft. RKB. Filled hole with water. Circulated 42 ft. of sand bridges to 3952 ft. (bottom perf). Lost circulation. Landed 1 1/2" tubing in BOP as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	7.00	0- 7
122 jts. 1 1/2" 2.9#/ft J-55 EUE tubing	3897.89	7-3905
1 seating nipple	1.00	3905-3906
1 jt. 1 1/2" 2.9#/ft J-55 EUE tubing	32.00	3906-3938
	3937.89	

Rigged to swab. Swabbed well in. Left well flowing to pit through 1/2" tapped bullplug. Shut down for night.

3/15/88 - 3/17/88

Well flowing through choke to clean up. Well making sand.

3/18/88 Killed well. Tagged sand fill at 3940 ft. RKB. Trip tubing out of hole. Trip in hole with sand bailer. Cleaned out 34 ft. of sand. Bailer quit working. Round trip tubing. Cleaned out remaining 45 ft. of sand to PBTD of 4019 ft. RKB. Trip bailer out of hole. Trip in hole with tubing and land as follows:

# ROBERT L. BAYLESS

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

Jicarilla 464 #4

## DAILY REPORT

Page 4

3/18/88 (Continued)

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	9.00	0- 9
122 jts. 1 1/2" 2.9#/ft J-55 EUE tubing	3897.89	9-3907
1 seating nipple	1.00	3907-3908
1 jt. 1 1/2" 2.9#/ft J-55 EUE tubing	32.00	3908-3939
	3939.89	

Rigged to swab. Made 9 swab runs. Well did not kick off.  
Shut down for night.

3/19/88 Overnight pressures: tubing 5 psi, annulus 250 psi. Rigged to swab. Made 1 swab run and well kicked off making gas and water. Leave well flowing to clean up. Release rig.

3/20/88 Well flowing.

3/21/88 Well flowing light mist of water and burnable gas. Shut well in for 7-day buildup and AOF test.