

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE\*  
(Other instructions on reverse side)

Form approved  
Budget Bureau No. 1004-1  
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. OIL ☐ GAS ☒ OTHER ☐  
WELL ☐ WELL ☒

2. NAME OF OPERATOR

Robert L. Bayless

3. ADDRESS OF OPERATOR

P.O. Box 168, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below)

At surface 1850' FNL & 790' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7208' RKB

Jicarilla Contract 463

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla 463

9. WELL NO.

1

10. FIELD AND POOL OR WILDCAT

Undes. Ojo Alamo

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Section 25, T30N, R3W

12. COUNTY OR PARISH 13. STATE

Rio Arriba NM

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

PULL OR ALTER CASING ☐

FRACTURE TREAT ☐

MULTIPLE COMPLETION ☐

SHOOT OR ACIDIZE ☐

ABANDON\* ☐

REPAIR WELL ☐

CHANGE PLANS ☐

(Other) ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

REPAIRING WELL ☐

FRACTURE TREATMENT ☒

ALTERING CASING ☐

SHOOTING OR ACIDIZING ☐

ABANDONMENT\* ☐

(Other) Perforate; swab ☒

(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 (8/9 thru 9/20/89).

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OIL CON. DIV  
DIST. 3

CONFIDENTIAL

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

SIGNED Price M. Bayless

TITLE Engineer

DATE 9/21/89

(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

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OIL CON. DIV.  
DIST. 3

SICARILLA 463 #1  
Section 25, T30N, R3W  
1850' FNL & 790' FWL  
Rio Arriba County, New Mexico

## DAILY REPORT

8/09/89 Move in Bayless Rig 3 and rig up. Rig down pumping unit. Unseat pump and trip out of hole, laying rods down. Shut well in.

8/10/89 Rig up BOP and lay down 2 3/8" J-55 tubing. Unload truck of 2 3/8" L-80 tubing. Tally pipe. Pick up pipe to trip in hole. Tag fill @ 3778 ft. Lay down 9 jts. of 2 7/8" casing. Trip tubing out of hole. Shut well in overnight.

8/14/89 Rig up Basin Wireline and set bridge plug at 3450 ft. Drop 10 gallons sand on top of plug. Trip in hole with tubing and tag sand @ 3440 ft. Roll hole with 1% KCL water. Pressure test casing to 3000 psi for 5 minutes. Move tubing to 3305 ft. and spot 250 gallons of 7 1/2% HCL acid. Trip tubing out of hole. Run GR log from 3100 to 3430 ft. Perforate Ojo Alamo with 1 JSPF (.34 inch) as follows:

3242 - 3246	4'	5 holes
3251 - 3254	3'	4 holes
3258 - 3262	4'	5 holes
3273 - 3279	6'	7 holes
3285 - 3287	2'	3 holes
3290 - 3296	6'	7 holes
	25'	31 holes (.34" diameter)

Pump into zone. Perforations broke down at 1200 psi. Establish rate of 8.0 bpm @ 900 psi. ISIP = 650 psi. Start acid job. Pump acid @ 5.0 bpm @ 730 psi while dropping 43 balls. After balls away, increase rate to 8.2 bpm @ 960 psi. Moderate ball action with 10 to 30 psi breaks, stepping pressure up to 1200 psi. Ball off at 56 bbls. of flush. Surge balls off perfs. Pump into zone @ 8.8 bpm @ 960 psi. ISIP = 700 psi; 1 min. = 650 psi; 3 min. = 630 psi; 5 min. = 600 psi. Blow well down. Run wireline junk basket and recover 40 balls. Total fluid to recover is 170 bbls. Trip in hole and land tubing as follows:

Description	Length	Depth
KB to landing point	10.00	0- 10
98 jts. 2 3/8" L-80 EUE tubing	3190.17	10-3200
Baker Model R Packer	6.96	3200-3207
3 jts. 2 3/8" L-80 EUE tubing	97.57	3207-3305
Seating Nipple	1.00	3305-3306
	3305.70'	

ROBERT L. BAYLESS

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Jicarilla 463 #1

DAILY REPORT

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8/14/89 (Continued)

Nipple down BOP. Reverse circulate to place packer fluid. Set packer. Make up wellhead. Rig up to swab. Make 4 runs with swab. Recover 17.5 bbls. Fluid level down to 1900 ft. Shut well in overnight.

8/15/89 Tubing pressure @ 100 psi. Casing pressure @ 0 psi. Blow well down. Fluid level @ 900 ft. Make 18 swab runs. Slight blow after each run. Recover 36.6 bbls. water. Remaining load water - 116 bbls. Shut well in overnight.

8/16/89 Tubing pressure @ 200 psi. Casing pressure @ 0 psi. Blow well down. Fluid level @ 1000 ft. Make 7 swab runs. Slight blow after each run. Gas will burn. Recover 15 bbls. Total remaining load water - 101 bbls.

8/17/89 Tubing pressure @ 200 psi. Casing pressure @ 0 psi. Blow well down. Tag fluid @ 1200 ft. Make 5 swab runs. Well blew for 5 minutes after each run. Recovered 12 bbls. Total remaining load to recover - 89 bbls. Shut well in.

8/18/89 Tubing pressure @ 200 psi. Casing pressure @ 0 psi. Fluid level @ 1200 ft. Swab well. Recover 9 bbls. on 4 runs. Slight blow after each run. Total fluid to recover @ 80 bbls.

8/19/89 Tubing pressure @ 210 psi. Casing pressure @ 0 psi. Fluid level @ 1100 ft. Swab well. Recover 7 bbls. in 3 runs. Gas will burn. Slight blow after each run. Total fluid to recover @ 73 bbls.

8/21/89 Tubing @ 180 psi. Casing @ 0 psi. Fluid level @ 1100 ft. Make 3 swab runs, recover 7 bbls. Unseat packer. Recover 26 3/4 bbls. in 16 swab runs. Slight blow after each run. Shut well in overnight. Total fluid to recover @ 71 bbls.

8/23/89 Tubing pressure @ 0 psi. Casing pressure @ 200 psi. Fluid @ 1400 ft. Recover 23 bbls. in 9 swab runs. Well kicked off after run #8. Casing pressure dropped from 250 to 150 psi. Shut well in. Fluid to recover @ 48 bbls.

8/24/89 Tubing pressure @ 80 psi. Casing pressure @ 240 psi. Fluid level @ 1900 ft. Recover 13 bbls. in 6 swab runs. Some blow after early runs. Well kicked off after run #6. Well flowed for 15 min. Casing pressure dropped to 90 psi. Shut well in. Fluid to recover @ 35 bbls.

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## DAILY REPORT

8/25/89 Tubing pressure @ 150 psi. Casing pressure @ 300 psi. Fluid level @ 2400 ft. Recover 9 bbls. in 9 swab runs. Well kicked off after run #5. Flowed for 50 min. Casing pressure dropped from 285 to 25 psi. Shut well in. Fluid to recover @ 26 bbls.

8/26/89 Tubing pressure @ 60 psi. Casing pressure @ 200 psi. Fluid level @ 2600 ft. Recover 15 bbls. in 6 swab runs. Blow casing around after run #6. Pressure dropped from 180 to 100 psi in 25 min. Shut well in. Fluid to recover @ 11 bbls.

8/28/89 Tubing pressure @ 50 psi. Casing pressure @ 390 psi. Fluid level @ 1500 ft. Recover 15 bbls. in 5 swab runs. Well kicked off. Casing pressure dropped to 180 psi in 20 min. Shut well in 1 hour. Casing pressure up to 210 psi. Flow well for 10 min. Casing pressure dropped to 150 psi. Shut well in overnight. Fluid to recover @ none. Now producing formation water.

8/29/89 Tubing pressure @ 20 psi. Casing pressure @ 250 psi. Fluid level @ 2100 ft. Recover 8 1/2 bbls. water on 4 swab runs. Blow casing down through tubing. Shut well in.

9/08/89 Tubing pressure @ 220 psi. Casing pressure @ 520 psi. Blow well down. Nipple up BOP. Unset packer and trip tubing out of hole. Shut in well. Wait on frac.

9/12/89 Fracture stimulate well with Western as follows:

7,500 gallons of 70 quality foam pad	30 BPM @ 2040 psi
10,000 gallons of 1 ppg 20-40 sand	30 BPM @ 2070 psi
20,000 gallons of 2 ppg 20-40 sand	30 BPM @ 2120 psi
2,110 gallons of flush w/foam	30 BPM @ 2120 psi

for a total of 50,000 pounds of 20-40 mesh sand in 37,500 gallons of 70 quality foam.

ISIP = 1550 psi	10 min. = 1410 psi
1 min. = 1530 psi	15 min. = 1380 psi
5 min. = 1460 psi	

All water contained 2% KCL and 1/2 gallon/1000 gallon water of clay stabilizer. Average injection rate of 30 BPM, average pressure 2100 psi. Total nitrogen pumped was 496,569 SCF at average rate of 15,800 SCF/min. Total fluid to recover is 289 bbls. Shut well in for 4 hours to allow frac closure. Open well to pit. Well slugging sand and water. Shut well in for 1 more hour. Open well. Flowing foamy fluid to pit. Leave well flowing overnight.

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9/13/89 to 9/14/89 Leave well flowing.

9/15/89 Trip tubing in hole. Tag sand @ 3190 ft. Rig up pump to clean out sand. Clean 60 ft. Lose all returns. Lose  $\pm$ 100 bbls. water. Trip out of hole.

9/18/89 Trip in hole with hydrostatic bailer. Tag sand @ 3255 ft. Clean out 130 ft. of sand to 3385 ft. Trip out of hole. Trip in hole with tubing and land as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	10.00	0 - 10
100 jts. 2 3/8" 4.7#/ft L-80 new tubing	3245.21	10-3255
Seating nipple	1.00	3255-3256
1 jt. 2 3/8" 4.7#/ft L-80 new tubing	32.53	3256-3289
	3288.74'	

End of tubing at 3288.74 ft. RKB. Nipple down BOP and make up wellhead. Rig up to swab. Make 8 swab runs. Well blowing for 10 to 15 min. after last 4 runs. Recover 60 bbls. water. Remaining to recover @ 329 bbls.

9/19/89 Tubing pressure @ 275 psi. Casing pressure @ 700 psi. Swab well. Make 34 runs. Recover 113 bbls. See swab report. Some blow after runs, but well will not continue flowing. Fluid to recover at 216 bbls.

9/20/89 Tubing pressure @ 150 psi. Casing pressure @ 700 psi. Fluid level @ 1500 ft. Make 18 swab runs. Recover 64 bbls. Well trying to flow after each run--dies after 10 to 15 min. Shut well in. Rig down rig and move off location.

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