

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

REVISED

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP EN ☐ PLUG BACK ☐ DIFF. EXHAUST ☐ Other _____

2. NAME OF OPERATOR

Robert L. Bayless

3. ADDRESS AND TELEPHONE NO.

P0 Box 168, Farmington NM 87499 (505) 326-2659

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1565' FSL & 795' FWL

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

13. STATE

Rio Arriba

NM

15. DATE SPUDDED

2/4/91

16. DATE T.D. REACHED

2/10/91

17. DATE COMPL. (Ready to prod.)

10/14/93

18. ELEVATIONS (OF, RKB, RT, CB, ETC.)*

7083' GL

19. ELEV. CASINGHEAD

7093' RKB

20. TOTAL DEPTH, MD & TVD

4120'

21. PLUG BACK T.D., MD & TVD

3960'

22. INTERVALS DRILLED BY

ROTARY TOOLS

23. INTERVALS DRILLED BY

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP TO BOTTOM, NAME (MD AND TVD)*

3789-3920' Pictured Cliffs

DEC 17 1993

25. WAS DIRECTIONAL SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction, Density, Neutron

OIL CON. DIV.

DIST. 3

27. WAS WELL CORRED

no

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#/ft.	159'	12-1/4"	surface; 125 sx., 148' ³	
4-1/2"	11.6#/ft.	4002'	7-7/8"	950 sx., 1589' ³	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	3793'	none

31. PERFORATION RECORD (Interval, size and number)

3789-3820	31' 32 holes	3854-3866	12' 13 holes
3822-3826	4' 5 "	3870-3876	6' 7 "
3829-3832	4' 5 "	3888-3892	4' 5 "
3835-3844	9' 10 "	3916-3920	4' 5 "
3847-3851	4' 5 "	(.34")	87 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3789-3920'	750 gal. DI HCL acid; 130 l.i. s.g. RCN Ball Sealers, 75,000 gal. 70 quality foam w/100,000 # 20-40 mesh sand.

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		-----shut in awaiting pipeline connection-----				-----	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
11/9/93	3	3/4"	→	0	86	0	n/a
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
32 psi	153 psi	→	0	684	0	n/a	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Orifice Meter

TEST WITNESSED BY

Cecil Bell

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Petroleum Engineer

DATE

11/24/93

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROSITY ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEF
Ojo Alamo	3221	3412	Sandstone, water	Ojo Alamo	3221	same
Kirtland	3412	3439	shale	Kirtland	3412	same
Fruitland	3439	3780	sandstone, siltstone, shale, coal-water, natural gas	Fruitland	3439	same
Pictured Cliffs	3780	TD	sandstone, natural gas	Pictured Cliffs	3780	same

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Robert L. Bayless

3. Address and Telephone No.

P.O. Box 168, Farmington, NM 87499

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1565' FSL & 795' FWL Sec. 32, T31N, R3W

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1991

5. Lease Designation and Serial No.

701-90-0002

6. If Indian, Allottee or Tribe Name

Jicarilla Apache Tribe

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Jicarilla 31-3-32-1

9. API Well No.

30-039-25050

10. Field and Pool, or Exploratory Area

East Blanco Pic. Cliffs

11. County or Parish, State

Rio Arriba, NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Perforation

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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 Summary

RECEIVED
DEC 17 1993
OIL CON. DIV.
DIST. 3

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

Signed

Title

Petroleum Engineer

Date

11/24/93

(This space for Federal or State office use)

Approved by **SHIRLEY MONDY**

Acting

AREA MANAGER

Title

RIO PUERTO RESOURCE AREA

Date

DEC 15 1993

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

NMOC

ROBERT L. BAYLESS
Jicarilla 31-3-32-1
Pictured Cliffs Completion

- 2/16/91 Move Bayless Rig #3 onto location with cat. Rig up unit. Unloaded tubing and tally.
- 2/18/91 Trip in hole with 3-7/8" bit, casing scraper, and tubing. Tag cement at 1994 ft. Drill cement and DV tool. Trip in hole with tubing. Clean out to PBTD of 3960'.
- 2/21/91 Test BOP and casing to 3500 psi; ok. Rig up Western and roll hole with 1% KCL water. Move tubing to 3920 ft. and spot 250 gal. 7-1/2% DI HCL acid. Trip out of hole. Rig up Jet West. Run CBL-GR-CCL log with 1000 psi. Perforate PC as follows:

3789-3820	31 ft.	32 holes
3822-3826	4 ft.	5 holes
3829-3832	4 ft.	5 holes
3835-3844	9 ft.	10 holes
3847-3851	4 ft.	5 holes
3854-3866	12 ft.	13 holes
3870-3876	6 ft.	7 holes
3888-3892	4 ft.	5 holes
3916-3920	<u>4 ft.</u>	<u>5 holes</u>
	78 ft.	87 holes

Total of 87 perforations (.34" diameter). Rig up Western Company. Inject at 6.3 bpm at 740 psi. Break down to 700 psi. Pump 20 bbl. water. Shut down ISIP = 470 psi. Start acid at 4.5 bpm at 600 psi. Drop 130 balls. Increase rate to 6.2 bpm at 680 psi. Pressure increase to 1960 when balls hit. No ball off. Max. pressure 2000 psi. Shut down ISIP = 500 psi. Surge balls off perfs. Pump in at 6.5 bpm at 750 psi. Shut down ISIP = 480 psi, 3 min. = 450 psi. Run wireline junk basket, recover 66 balls. Flow well back. Run in hole with tubing and land as follows:

<u>Item</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	8.00	0-8
118 jts. 2-3/8", 4.7#, J-55 tbg.	3782.53	8-3791
Seating nipple w/collar	<u>1.00</u>	3791
	3791.53	

Total fluid to recover = 105 bbls.

- 2/22/91 Rig up to swab. Tubing & casing both on vacuum. FL at 200 ft. Swab well to seating nipple. Casing pressure building to 40 psi.

Robert L. Bayless
Jicarilla 31-3-32-1
Page 2

- 2/23/91 Casing pressure = 180 psi, tubing dead. FL at 2800 ft.
 Swab to seating nipple. Shut well in.
- 2/25/91 Casing pressure = 430 psi. Tubing pressure = 10 psi.
 Rigged to swab. Initial fluid level at 1700 ft. Swabbed
 well and recovered 6 bbls. of fluid. Well kicked off
 flowing. Let well flow until it died. Shut well in.