

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved
Budget Bureau No. 1004-0135
Expires August 31, 1988

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 516
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 790' FSL & 1675' FEL	8. FARM OR LEASE NAME Jicarilla 516
14. PERMIT NO.	9. WELL NO. #1
15. ELEVATIONS (Show whether DP, RT, GL, etc.) 7533' GL 7545' RKB	10. FIELD AND POOL, OR WILDCAT Wildcat
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 7-T30N-R2W
	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"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Perforating</u> <input checked="" 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 1/19/88 thru 5/4/88.

RECEIVED
BLM MAIL ROOM

88 MAY -9 PM 2:07

FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

RECEIVED
MAY 20 1988
OIL CON. DIV.
DIST. 3

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

SIGNED <u>Kevin H. McCord</u>	TITLE <u>Petroleum Engineer</u>	DATE <u>5/6/88</u>
-------------------------------	---------------------------------	--------------------

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE ACCEPTED FOR RECORD

MAY 12 1988

*See Instructions on Reverse Side

NMOCC

ROBERT L. BAYLESS

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

Jicarilla 516 #1

DAILY REPORT

Page 4

1/08/88 to 1/18/88 Well shut in. Building up for AOF test.

1/19/88 Shut in casing pressure 600 psi; tubing slight blow. Blow down well. Trip tubing out of hole. Rigged up Basin Perforators. Set drillable bridge plug at 3810 ft. RKB. Rigged up the Western Company. Pressure tested bridge plug to 3500 psi--held OK for 5 minutes. Perforated the Fruitland with 3 1/8" casing gun and 4 JSPT as follows:

3750 - 3766	16'	64 holes	
3781 - 3794	<u>13'</u>	<u>52 holes</u>	
	29'	116 holes	(.34" diameter)

Tripped in hole with 2 3/8" tubing. Spotted 150 gallons of 7 1/2% DI HCL acid across perforation interval. Moved tubing to 3499 ft. Broke down perforation at 1800 psi. Established injection rate down tubing of 2.4 BPM @ 1150 psi, ISIP = 650 psi (FG = .61). Established injection rate again at 2.5 BPM @ 900 psi, ISIP = 450 psi (FG = .55). Acidized Fruitland zone with 250 gallons of 7 1/2% DI HCL weighted acid containing 174 1.1 s.g. RCN ball sealers - 2.5 BPM 950 psi. Saw 100 psi increase and small breakbacks when balls hit formation. Final injection rate 2.3 BPM @ 1050 psi, ISIP = 600 psi (FG = .59). Trip tubing out of hole. Run wireline junk basket and recover 159 ball sealers. Shut down for night.

1/20/88 Trip in hole with Amerada bombs, perforated sub. Baker fullface packer with "F" nipple. Set packer at 3726 ft. RKB (end of pressure bomb @ 3741 ft. RKB). Wait for 3 hours to allow wellbore to stabilize. Pump into formation for 8 hrs. at 1/2 bbl/min for injection test. Drop valve to shut off hydrostatic pressure from downhole bombs. Shut well in for pressure falloff.

1/21/88 to 1/24/88 Shut in--pressure falloff test.

1/25/88 Thaw out wellhead. Trip tubing out of hole. Recover Amerada pressure bombs. Shut well in. Shut down for night.

1/26/88 to 2/10/88 Wait on weather.

ROBERT L. BAYLESS

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

Jicarilla 516 #1

DAILY REPORT

Page 5

2/11/88 Trip in hole with 2 3/8" tubing and land as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	10.00	0- 10
120 jts. 2 3/8" 4.7#/ft J-55 EUE tubing	3743.49	10-3753
1 seating nipple	.75	3753-3754
1 perforated sub	4.00	3754-3758
1 jt. 2 3/8" mud anchor	31.65	3758-3790
	3789.89	

2/12/88 Overnight pressures: annulus 100 psi, tubing 5 psi. Blew down tubing. Rigged to swab. Swabbed well as follows: (see Swab Report). Swabbed 55 bbls. of water in 23 swab runs. Well had slight gas cut. Well making an average of 4 bbl/hr of water for last 3 hours of swabbing (96 bbl/day). Final fluid level at 3200 ft. Shut well in. Shut down for night.

2/13/88 Overnight pressures: annulus 75 psi, tubing 0 psi. Ran pump and rods and landed as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	8.00	0- 8
1 - 1-1/4"x16' polished rod w/1-1/2" liner (6 ft. out)	16.00	8- 18
3 - 3/4" pony rods	12.00	18- 30
150 - 3/4" Class "C" plain rods	3750.00	30-3780
1 - 2"x1-1/4"x10x12x14 RHBC-EQ pump (bottom hold down)	14.00	3780-3794

(Note: Rod depths do not agree with tubing depths.)

Clamped off rods. Shut in well. Rigged down. Released rig. Wait on installation of pumping unit.

4/25/88 Move in and rig up Bayless Rig 4. Pull rods and pump. Nipple down wellhead. Nipple up BOP. Tag fill at 3809 ft. RKB (1 ft. of fill on top of bridgeplug). Trip tubing out of hole. Shut down for night.

4/26/88 to 4/27/88 Wait for frac.

ROBERT L. BAYLESS

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

Jicarilla 516 #1

DAILY REPORT

Page 6

4/28/88 Rigged up the Western Company. Fracture stimulated the Fruitland interval (3750-3794) with 16,500 gallons of slickwater and 34,585 gallons of 35#/1000 gal of X-linked gel containing 83,880# of sand as follows:

16,500 gal. of prepad using slickwater 42 BPM @ 3100 psi
19,000 gal. of 35# X-linked gel pad 47 BPM @ 3400 psi
1,200 gal. of 35# X-linked gel containing
2 ppg 100 mesh 47 BPM @ 3300 psi
1,200 gal. of 35# X-linked gel containing
4 ppg 100 mesh 47 BPM @ 3400 psi
2,400 gal. of 35# X-linked gel containing
4 ppg 40/60 mesh 40 BPM @ 3500-3000 psi
2,400 gal. of 35# X-linked gel containing
4 ppg 20/40 mesh 41 BPM @ 2900 psi
4,800 gal. of 35# X-linked gel containing
6 ppg 20/40 mesh 41-46 BPM @ 2850-3300 psi
3,585 gal. of 35# X-linked gel containing
8 ppg 20/40 46-27 BPM @ 3300-2100 psi
2,448 gal. of flush using slickwater
27-22 BPM @ 2100-1650 psi

ISIP = 1100 psi 10 min. = 800 psi
5 min. = 900 psi 15 min. = 700 psi

All water contained 2% KCL. Average rate-45 BPM Average pressure-3200 psi Maximum rate-54 BPM Minimum rate-22 BPM Maximum pressure-3550 psi Minimum pressure-1600 psi Load fluid to recover-1240 bbls. Shut in well overnight to allow fracture to heal. Shut down for night.

4/29/88 Overnight shut in pressure was 150 psi. Opened well to pit. Well flowed for 30 minutes. Trip in hole with sawtooth collar on tubing. Tag sand fill at 2716 ft. Circulated out 1094 ft. of sand (not solid sand) to bridgeplug at 3810 ft. Moved tubing to 3749 ft. Shut down for night.

4/30/88 Overnight shut in pressure was 0 psi tubing, 0 psi casing. Rigged to swab. Made 21 swab runs in 8 total hours of swabbing. Recovered 221.5 bbls. of water. Initial fluid level at surface. Final fluid level at 1000 ft. from surface. Well was not making any sand or gas. Approximate swabbing rate at end of day was 9 bbls. per hour. Shut down for night.

5/01/88 Shut down - Sunday.

ROBERT L. BAYLESS

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

Jicarilla 516 #1

DAILY REPORT

Page 7

- 5/02/88 Shut in pressure was 0 psi tubing, 0 psi casing. Rigged to swab. Made 7 swab runs. Recovered 44.5 bbls. of fluid. Lost sinker bars in hole. Trip tubing out of hole. Recovered swab tools. Trip tubing back in hole. Land tubing at 3749 ft. Rigged to swab. Made 6 more swab runs. Recovered 45.5 bbls. of fluid in 2 hours. Final fluid level at 700 ft. Shut well in. Shut down for night.
- 5/03/88 Shut in pressure was 0 psi tubing, 0 psi casing. Rigged to swab. Initial fluid level at 400 ft. Made 10 swab runs in 2 1/2 hours. Recovered 87 1/2 bbls. of fluid. Well started flowing. Made 5 bbls. flowing in 1 hour, then died. Swabbed remainder of day. Made 25 swab runs in 6 hours. Recovered 78 bbls. of gas cut fluid. Annulus pressure built to 75 psi. Shut down for night.
- 5/04/88 Tag fill in hole at 3804' RKB (6' of fill on top of bridge-plug). Tripped tubing out of hole. Trip in hole and land tubing as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	10.00	0- 10
120 jts. 2 3/8" 4.7#/ft J-55 EUE tubing	3742.47	10-3752
1 seating nipple	1.08	3752-3753
1 perforated sub	3.02	3753-3757
1 jt. 2 3/8" mud anchor	31.95	3757-3789
	3788.52	

Nipple down BOP. Nipple up wellhead. Ran pump and rods as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	8.00	0- 8
1 - 1-1/4"x16' polished rod w/1-1/2" liner (6 ft. out)	16.00	8- 18
3 - 3/4" pony rods	12.00	18- 30
150 - 3/4" Class "C" plain rods	3750.00	30-3780
1 - 2"x1-1/4"x10x12x14 RHBC-EQ pump (bottom hold down)	14.00	3780-3794

(Note: Rod depths do not agree with tubing depths.)

Rigged down and released rig.