

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. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Contract 451
2. NAME OF OPERATOR Robert L. Bayless		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla
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 1650' FSL & 1750' FWL		8. FARM OR LEASE NAME Jicarilla 451
14. PERMIT NO.		9. WELL NO. #1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7151' GL		10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde
BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 4, T29N, R3W
		12. COUNTY OR PARISH Rio Arriba
		13. STATE NM

RECEIVED

MAY 20 1986

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other)

PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
ABANDON* ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☐
(Other) Reworked well

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 Sheets

RECEIVED
MAY 29 1986
OIL CON. DIV.
DIST. 3

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

SIGNED

TITLE Operator

DATE 5-19-86

(This space for Federal or State office use)

APPROVED BY

TITLE

ACCEPTED FOR RECORD
DATE

CONDITIONS OF APPROVAL, IF ANY:

MAY 27 1986

*See Instructions on Reverse Side

NMOCC

FARMINGTON RESOURCE AREA

BY

ROBERT L. BAYLESS

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

JICARILLA 451 #1

Sec. 4, T29N, R3W
1650' FSL & 1750' FWL
Rio Arriba County, New Mexico

Daily Report

- 4-28-86 Move in and rig up Bayless Rig 6. Blew down well in 5 minutes. Nipple down wellhead, nipple up BOP. Trip 203 jts of 2-3/8" 6.5#/ft J-55 EUE tubing, seating nipple, and tubing anchor out of hole. SDFN.
- 4-29-86 Rigged up Petro Wireline. Ran GR-CLL from 6000 to 3500 ft RKB. Set 5½" drillable bridge plug at 5900' RKB. Rigged up Dowell. Pressure tested plug to 3500 psi, held OK for 10 minutes. Perforated 4 squeeze holes at 4250'. Tried to establish circulation. Did not circulate to the surface. Pumped 75 bbls of water ahead of cement at the following rates and pressures:

3 BPM @ 1000 psi
4 BPM @ 1050 psi, ISIP = 700 psi
5 BPM @ 1150 psi

at end of 75 bbls pumped: 4½ BPM @ 1000 psi, ISIP = 650 psi.

Pumped 473 ft³ (275 sx) 50-50 pozmix containing 2% gel, 10% salt, and 1% CaCl₂. Did not get any circulation to the surface. Displaced cement to 4100' RKB. Shut in well. SDFN.

- 4-30-86 Tripped in the hole with bit, casing scraper, and 2-3/8" tubing. Tagged top of cement at 4029' RKB. Drilled 151 feet of cement to PBTD of 4180. Pressure tested casing to 3500 psi. Lost 200 psi in 15 minutes. Circulated hole clean with water. Trip out of hole. Rigged up Petro Wireline. Ran CBL from 4180 to 3200 feet. Top of cement is 3782 feet (at top of Pictured Cliffs formation). Perforated 2 squeeze hole at 3660' RKB. SDFN.
- 5-1-86 Tripped in the hole with open ended tubing set at 2799'. Rigged up Dowell. Established rate of 1 BPM @ 1200 psi. Squeeze cemented with 90 ft³ (75 sx) Class B cement with 3% CaCl₂. Did not obtain a squeeze. Left approximately 150' of cement in the casing. SDFN.

- 5-2-86 Tripped out of hole with tubing. Tripped in the hole with 4-3/4" bit on tubing. Tagged cement in casing at 3477'. Drilled 183' of cement to 3660'. Tripped tubing to 4180' PBTD. Pressure tested casing to 3500 psi. Lost 200 psi in 30 minutes. Circulated hole clean with water. Tripped tubing out of hole. Rigged up Petro Wireline. Ran CBL from 4180' to 3200'. Top of cement at 3654' (24 feet of cement above top perforation). Perforated 2 squeeze holes at 3635'. Broke down perforations at 1700 psi. Established squeeze rate of 3 BPM @ 1400 psi. Did not get any flow through bradenhead. SDFN.
- 5-3-86 Rigged up Dowell. Pumped into squeeze holes at 2½ BPM @ 1500 psi, ISIP = 1000 psi. Pumped 60 ft³ (50 sx) class B cement with 3% CaCl₂. Could not get formation to squeeze. Left 50 feet of cement in the casing. Expected top of cement at 3585 ft. SDFN.
- 5-4-86 S.D. Sunday.
- 5-5-86 Tripped in the hole with bit on tubing. Tagged cement top at 3575'. Drilled 60 feet of cement and tripped tubing to 4180' PBTD. Attempted to pressure test. Pumped into perforations at 3635 at 3 BPM @ 2000 psi. Tripped tubing and bit out of hole. Tripped in the hole with open ended tubing, set at 2799'. Established rate of 2 BPM @ 1800 psi, ISIP = 1300 psi. Pumped 60 ft³ (50 sx) Class B cement with 3% CaCl₂. Squeezed well to 2500 psi. Left approximately 210 feet of cement in the casing. Approximate top of cement at 3425' RKB. SDFN.
- 5-6-86 Tripped tubing out of hole. Tripped in the hole with 4-3/4" bit. Tagged cement at 3420 ft. Drilled 215 ft of cement and moved tubing to PBTD of 4180 ft. Pressure tested casing to 3500 psi. Lost 25 psi in 15 minutes. Tripped tubing out of hole. SDFN.
- 5-7-86 Rigged up Petro Wireline. Ran CBL-CLL from 4180 to ft. Cement top is at ft. Perforated Fruitland interval with 4" casing gun and 1 JSPF as follows:

3678-3682	4'	5 holes
3703-3712	9'	10 holes
3728-3732	4'	5 holes
3760-3765	5'	6 holes
3770-3779	9'	10 holes
		<u>36 holes</u>

.5" diameter

Trip in the hole with tension packer on tubing. Set packer at 3630 ft. Pressure tested packer to 3500 psi. Held OK for 5 minutes. Moved packer to 3692'. Perforations broke down at 2600 psi. Saw communications to the surface. Pumped down tubing at 5 BPM @ 2200-2000 psi. ISIP = 850 psi. Moved packer to 3283 feet RKB. Pumped 54 1.2 sg 7/8" RCN ball sealers down the tubing at 6.0 BPM @ 2000 psi. Had good ball action. Did not obtain a complete balloff. Final rate 2.8 BPM @ 3475, ISIP = 1450 psi decreasing to psi in 5 minutes. Moved tubing & packer below perforations to knock off ball sealers. Trip tubing out of hole. Fracture stimulated Fruitland interval as follows:

25,000 gal pad	40 BPM @ 2000 psi
2,000 gal 1 ppg 12-20 sand	40 BPM @ 1950 psi
4,675 gal 2 ppg 12-20 sand	40 BPM @ 1900-3000 psi*
2,772 gal flush with uncrosslinked gel	40-3 BPM @ 3000-3500 psi

Fluid contained 30#/1000 gal X-linked gelled fluid Dowell YF230-PSD
Sand - 11,350 lbs 12-20 Brady sand

* Well screened out with 11,350 lbs sand pumped. 9,586 lbs sand in the formation, 1764 lbs in wellbore, 123 ft of sand in wellbore, 4050 ft sand top.

ISIP = 2140 psi, 5 min = 1310 psi, 10 min = 1200 psi, 15 min = 1200 psi

Average rate 40 BPM. Average pressure 2000 psi. Maximum pressure 3500 psi. Minimum pressure 1900 psi. Load to recover 820 bbls. Shut in to allow gel to break.

5-8-86 Overnight shut-in pressure was 500 psi. Well flowed 40 bbls of fluid and died. Tripped in the hole with sawtooth collar on 2-3/8" tubing. Tagged sand at 3897 feet RKB. Circulated 283 feet of sand from hole to PBTD of 4180 ft. Had to trip tubing to unplug sand from tubing. Moved end of tubing to 3870. SDFN.

5-9-86 Overnight shut-in tubing pressure was psi, casing pressure was 25 - went to zero after 1st swab run. Rigged to swab. Swabbed well as follows: ✓

(See Attached Swab Report)

Swabbed 90 bbls of fluid in 22 swab runs. Well was making some gas. Approximate swab rate at end of day was 8½" bbl/hour. Final fluid level was constant at 1600 feet. SDFN.

5-10-86 Overnight shut-in tubing pressure was 0 psi. Casing pressure was 50 psi, went to zero after 1st swab run. Rigged to swab. Swabbed well as follows:

(See Attached Swab Report)

Swabbed 50½ bbls of fluid in 11 swab runs. Well was making some gas. Annulus pressure built up to 50 psi. Approximate swab rate was 14½ bbls per hour. Final fluid was 1400 feet. Tripped tubing out of hole.

Tripped tubing in the hole and landed as follows:

<u>DESCRIPTION</u>	<u>LENGTH</u>	<u>DEPTH</u>
KB to landing point	9.00	0-9
116 jts 2-3/8" 4.7#/ft J-55 EUE used tubing	3519.62	9-3529
1 tubing anchor	2.75	3529-3531
17 jts 2-3/8" 4.73/ft J-55 EUE used tubing	522.98	3531-4054
1 seating nipple	.75	4054-4055
1 (2" X 1-3/4" X 10' X 13' THEC tubing pump barrel)	12.90	4055-4068

5-10-86	1 perforated sub	4.00	4068-4072
(cont)	1 jt 2-3/8" 4.7#/ft J-55 EUE used		
	tubing	31.40	4072-4103
	1 bullplug	.50	4103-4104
		<u>4103.90</u>	

Nipple down BOP. Nipple up wellhead. SDFN.

5-11-86 S.D. Sunday

5-12-86 Ran pump and rods as follows:

<u>DESCRIPTION</u>	<u>LENGTH</u>	<u>DEPTH</u>
KB to landing point	6.00	0-6
1 1½" X 13' polished rod (2 ft out of well)	11.00	6-17
1 7/8" pony rod	8.00	17-25
55 7/8" used inspected Class C rods	1375.00	25-1400
106 3/4" used inspected Class C rods	2650.00	1400-4050
1 2" X 1-3/4" X 10' X 13' THEC tubing		
pump lunger (4' Martin Ring Plugger)	4.00	4050-4054
	<u>4054.00</u>	

Hung off rods. Released rig.

Set pumping unit. Pumping 100% water. currently pump testing well. Will turn in completion report when adequate well test data is available.

SWAB REPORT

Page 1 of 2

LOCATION

Jicarilla 451 #1

DATE

May 9

19 86

TUBING SIZE

2-3/8"

Time	Swab Number	Fluid Level in hole	Depth Pulled From	Ins. in Tank	Previous Ins. in Tank	Ins. Pulled	Bbls Pulled	Total Bbls Swabbed	Remarks (Cuts, etc.)
9:00	1	Surface	2500	51-3/4	40		11-3/4	11-3/4	foamy fluid
9:10	2	500	3000	56-3/4	51-3/4		5	16-3/4	foamy fluid, some sand
9:30	3	800'	3500	62-1/2	56-3/4		5-3/4	22-1/2	gel not fully broken, some sand
10:00	4	800'	S.N. 3840	67-1/4	62-1/2		4-3/4	27-1/4	gel not fully broken, some sand
10:15	5	1000'	S.N.	72-1/4	67-1/4		5	32-1/4	gel not fully broken, some sand
10:40	6	1000'	S.N.	77-3/4	72-1/4		5-1/2	37-3/4	gel not fully broken, some sand
11:15	7	1000'	S.N.	85-1/4	77-3/4		7-1/2	45-1/4	water, some sand, some gas
11:25	8	1200'	S.N.	88-1/2	85-1/4		3-1/4	48-1/2	water, some sand, some gas
12:05	9	1000'	S.N.	91-3/4	88-1/2		3-1/4	51-3/4	water, some sand, some gas
12:15	10	1000'	S.N.	97-1/4"	91-3/4		5-1/2	57-1/4	Dumped pit volume some sand, some gas
12:30	11	1200'	S.N.	45-1/2	42-1/4		3-1/4	60-1/2	some sand, some gas
12:40	12	1400'	S.N.	51-1/4	45-1/2		5-3/4	66-1/4	some sand, some gas
1:10	13	1400'	S.N.	53-1/4	51-1/4		2	68-1/4	some sand, some gas
1:20	14	1400'	S.N.	58	53-1/4		4-3/4	73	some sand, some gas
2:40	15	1400'	S.N.	61	58		3	76	some sand, some gas
2:50	16	1400	S.N.	63-1/2	61		2-1/2	78-1/2	some sand, some gas
3:15	17	1400	S.N.	65-1/2	63-1/2		2	80-1/2	some sand, some gas

DATE May 9 19 86

TUBING SIZE 2-3/8

[illegible]

Jicarilla 451 #1

DATE May 10

19 86

TUBING SIZE

2-3/8

[illegible]