

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

5. LEASE DESIGNATION AND SERIAL NO.

SF-078476

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL:

OIL WELL ☐ GAS WELL ☒ DRY ☐

Other 99 OCT 26 AM 10:57

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐

Other 070 FARMINGTON

2. NAME OF OPERATOR

Robert L. Bayless, Producer LLC

3. ADDRESS AND TELEPHONE NO.

P.O. Box 168 Farmington, NM 87499-168 (505) 326-2659

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

At surface

1640 FNL & 1160 FWL

At top prod. interval reported below

At total depth

7. AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Oxnard WN Federal #13

9. API WELL NO.

30-045-29914

10. FIELD AND POOL, OR WILDCAT

Basin Fruitland Coal

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

E Sec. 14, T27N R8W

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

15. DATE SPUDDED

9/24/1999

16. DATE T.D. REACHED

10/1/1999

17. DATE COMPL. (Ready to prod.)

10/23/1999

18. ELEVATIONS (DF, RKB, RT, FE, ETC.)\*

5986 GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

2325 Ft

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

2266 Ft

22. IF MULTIPLE COMPL., HOW MANY \*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

XX

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

2102 - 2214 Fruitland Coal

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Cased Hole GR - Neutron

27. WAS WELL CORED

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
7"	23 #/Ft	131 Ft	8 3/4"	80sx (94 ft3) Class B W/4% CaCl, Cement Circulated	
4 1/2"	10.5 #/Ft	2312 Ft	6 1/4"	200sx (412 ft3) Class B W/2% Econolite, tailed with	
				80sx (94 ft3) Class B, Top of Cement at 300 ft (Temp survey)	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					2 3/8"	2215 Ft	None

31. PERFORATION RECORD (Interval, size and number)

2102 - 2122 80 - .34" diameter holes  
2154 - 2160 24 - .34" diameter holes  
2196 - 2214 72 - .34" diameter holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2102 - 2214	750 gal 7 1/2% HCl acid
	67,500 gal 70 quality foam, 165,000 Lbs 20/40 san

33. \* PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)				WELL STATUS (Producing or shut-in)	
10/23/1999		Flowing				Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS - OIL RATIO
10/23/1999	3 Hrs.	3/4"			No flow		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24 - HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL - BBL. (CORR.)	
0 psi	200 psi			No flow			

ACCEPTED FOR RECORD

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

Shut-in waiting on gas connection

TEST WITNESSED BY

David Ball OCT 29 1999

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

Kim H. McEl

TITLE

Petroleum Engineer

DATE

10/25/99

\*( 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

NMOCD

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37. SUMMARY OF POROUS ZONES: (Show all important zones or 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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Ojo Alamo	1385	1490	Sandstone
Kirtland	1490	1950	Sandstone, siltstone, shale
Fruitland	1950	2222	Sandstone, siltstone, shale Coal, natural gas & water
Pictured Cliffs	2222	TD	Sandstone, natural gas & water

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	1385	1385
Kirtland	1490	1490
Fruitland	1950	1950
Pictured Cliffs	2222	2222

ROBERT L. BAYLESS, PRODUCER LLC  
OXNARD #13  
1640 FNL & 1160 FWL (SWNW)  
SECTION 14, T27N, R8W

COMPLETION REPORT

- 10-19-99 Move in and rig up JC Well Service completion rig. Nipple up wellhead and BOP. Pick up 2 3/8" tubing and stand back in the derrick. Shut down for the night.
- 10-20-99 Shut down for the day. Waiting on Frac crew.
- 10-21-99 Rigged up Dowell pump truck. Pressure tested casing and wellhead to 3000 psi. Held OK. Rigged up Blue Jet Wireline. Ran GR-CLL-CNL from 2266 ft RKB PBD to 1200 ft. Perforated the Fruitland Coal interval from the neutron log with 3 1/8" casing gun at 4 JSPF as follows:

2102 - 2122 ft	20 ft	80 holes	
2154 - 2160 ft	6 ft	24 holes	
<u>2196 - 2214 ft</u>	<u>18 ft</u>	<u>72 holes</u>	
Total	44 ft	176 holes	.34" diameter

Pick up Arrow Completion packer. Trip packer and tubing to 2214 ft. Spot 250 gallons of 7 1/2 % DI HCl acid across perforation interval. Move tubing and packer to 2173 ft and set packer (separating the lower Fruitland Coal perforation intervals from the upper and middle Fruitland Coal perforation intervals). Broke down lower Fruitland Coal intervals (2196-2214) down the tubing at 800 psi. Established an injection rate down the tubing of 3.3 BPM @ 1050 psi, ISIP of 400 psi (0.61 frac gradient). Acidized the lower Fruitland Coal interval with 250 gallons of 7.5% DI HCL acid at 3.0 BPM @ 800 psi (saw a 250 psi pressure drop when acid hit the perforations). ISIP of 250 psi (0.55 frac gradient). Broke down the upper and middle Fruitland Coal intervals (2102-2160) down the annulus immediately. Established an injection rate of 3.0 BPM @ 900 psi, ISIP of 700 psi (0.76 frac gradient). Acidized the upper and middle Fruitland Coal interval with 250 gallons of 7.5% DI HCL acid at 3.0 BPM @ 950 psi. Did not see any pressure change when acid hit the perforations. Released packer and tripped tubing and packer out of hole. Shut down for the night.

- 10-22-99 Rigged up Dowell. Fracture stimulated the Fruitland Coal interval with 67,500 gallons of 70 quality foam using 30# X-linked borate gelled fluid containing 165,000 lbs of 20-40 mesh Arizona sand as follows:

15,000 gals of 70 qual foam pad	25 BPM @ 1750 psi
7,500 gals of 70 qual foam with 1 ppg 20-40 sand	25 BPM @ 1700 psi
7,500 gals of 70 qual foam with 2 ppg 20-40 sand	25 BPM @ 1500 psi
15,000 gals of 70 qual foam with 3 ppg 20-40 sand	25 BPM @ 1450 psi
15,000 gals of 70 qual foam with 4 ppg 20-40 sand	25 BPM @ 1400 psi

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7,500 gals of 70 qual foam with 5 ppg 20-40 sand    25 BPM @ 1500 psi  
1,200 gals of 70 qual foam flush    25 BPM @ 1500 psi

ISIP = 1300 psi decreasing to 1200 psi after 15 minutes. All water contained 2% KCL, ½ gal/1000 clay stabilization agent, and bacteriacide. Sand contained multiple radioactive tracer material as follows: 22 mc Sb-124 in 1,2 and 3 ppg sand stages, 23 mc Ir-192 in 4 ppg sand stage, and 12 mc Sc-46 in 5 ppg sand stage. Average rate 25 BPM, average pressure 1550 psi, maximum pressure 1800 psi, minimum pressure 1400 psi, average nitrogen rate 9,600 scfm, total nitrogen pumped 686,700 scf, total fluid to recover 502 bbls. Shut well in for 3 hours. Blow well back to pit through a 1/4" inline choke. Well flowing to cleanup. Shut down for the night.

10-23-99    Well is still flowing to the pit this morning. Killed well. Trip in hole with tubing and tagged sand fill at 2216 (2 feet below bottom perforation). Circulated 50 ft of sand out of well to PBTD of 2266 ft. Moved tubing up hole and landed as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	3.00	0-3
70 jts of 2 3/8" 4.7#/ft J55 EUE		
yellow band used tubing	2179.22	3-2182
1 seating nipple	1.10	2182-2183
1 jt of 2 3/8" used tubing	31.35	2183-2215
	<u>2214.67</u>	

Nipple down BOP and nipple up wellhead. Well started flowing just after wellhead was rigged up. Left well flowing to pit to cleanup. Released rig. End of Report.

ROBERT L. BAYLESS, PRODUCER LLC  
OXNARD #13  
1640 FNL & 1160 FWL (SWNW)  
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COMPLETION REPORT

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ESTIMATED COSTS:

Previous: \$ 62,350

Rig: \$ 700  
Wellhead: \$ 750

Trucking: \$ 200  
Water: \$ 1,200

Daily: \$ 2,850  
Cumulative: \$ 65,200

10-20-99 Shut down for the day. Waiting on Frac crew.

Rig: \$ 1,100

Daily: \$ 1,100  
Cumulative: \$ 66,300

10-21-99 Rigged up Dowell pump truck. Pressure tested casing and wellhead to 3000 psi. Held OK. Rigged up Blue Jet Wireline. Ran GR-CLL-CNL from 2266 ft RKB PBTD to 1200 ft. Perforated the Fruitland Coal interval from the neutron log with 3 1/8" casing gun at 4 JSPF as follows:

2102 - 2122 ft	20 ft	80 holes	
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Total	44 ft	176 holes	.34" diameter

Pick up Arrow Completion packer. Trip packer and tubing to 2214 ft. Spot 250 gallons of 7 1/2 % DI HCl acid across perforation interval. Move tubing and packer to 2173 ft and set packer (separating the lower Fruitland Coal perforation intervals from the upper and middle Fruitland Coal perforation intervals). Broke down lower Fruitland Coal intervals (2196-2214) down the tubing at 800 psi. Established an injection rate down the tubing of 3.3 BPM @ 1050 psi, ISIP of 400 psi (0.61 frac gradient). Acidized the lower Fruitland Coal interval with 250 gallons of 7.5% DI HCL acid at 3.0 BPM @ 800 psi (saw a 250 psi pressure drop when acid hit the perforations). ISIP of 250 psi (0.55 frac gradient). Broke down the upper and middle Fruitland Coal intervals (2102-2160) down the annulus immediately. Established an

injection rate of 3.0 BPM @ 900 psi, ISIP of 700 psi (0.76 frac gradient). Acidized the upper and middle Fruitland Coal interval with 250 gallons of 7.5% DI HCL acid at 3.0 BPM @ 950 psi. Did not see any pressure change when acid hit the perforations. Released packer and tripped tubing and packer out of hole. Shut down for the night.

ESTIMATED COSTS:

Rig:	\$ 1,100	Engineering:	\$ 600
Packer:	\$ 1,250	Wireline:	\$ 4,600
<u>Daily:</u>	\$ 7,550		
<u>Cumulative:</u>	\$ 73,850		

10-22-99 Rigged up Dowell. Fracture stimulated the Fruitland Coal interval with 67,500 gallons of 70 quality foam using 30# X-linked borate gelled fluid containing 165,000 lbs of 20-40 mesh Arizona sand as follows:

15,000 gals of 70 qual foam pad	25 BPM @ 1750 psi
7,500 gals of 70 qual foam with 1 ppg 20-40 sand	25 BPM @ 1700 psi
7,500 gals of 70 qual foam with 2 ppg 20-40 sand	25 BPM @ 1500 psi
15,000 gals of 70 qual foam with 3 ppg 20-40 sand	25 BPM @ 1450 psi
15,000 gals of 70 qual foam with 4 ppg 20-40 sand	25 BPM @ 1400 psi
7,500 gals of 70 qual foam with 5 ppg 20-40 sand	25 BPM @ 1500 psi
1,200 gals of 70 qual foam flush	25 BPM @ 1500 psi

ISIP = 1300 psi decreasing to 1200 psi after 15 minutes. All water contained 2% KCL, ½ gal/1000 clay stabilization agent, and bacteriacide. Sand contained multiple radioactive tracer material as follows: 22 mc Sb-124 in 1,2 and 3 ppg sand stages, 23 mc Ir-192 in 4 ppg sand stage, and 12 mc Sc-46 in 5 ppg sand stage. Average rate 25 BPM, average pressure 1550 psi, maximum pressure 1800 psi, minimum pressure 1400 psi, average nitrogen rate 9,600 scfm, total nitrogen pumped 686,700 scf, total fluid to recover 502 bbls. Shut well in for 3 hours. Blow well back to pit through a 1/4" inline choke. Well flowing to cleanup. Shut down for the night.

ESTIMATED COSTS:

Rig:	\$ 700	Frac:	\$ 37,300
Engineering:	\$ 600	RA Tracer:	\$ 3,350
<u>Daily:</u>	\$ 41,950		
<u>Cumulative:</u>	\$115,800		

10-23-99 Well is still flowing to the pit this morning. Killed well. Trip in hole with tubing and tagged sand fill at 2216 (2 feet below bottom perforation). Circulated 50 ft of sand out of well to PBDT of 2266 ft. Moved tubing up hole and landed as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	3.00	0-3
70 jts of 2 3/8" 4.7#/ft J55 EUE		
yellow band used tubing	2179.22	3-2182
1 seating nipple	1.10	2182-2183
1 jt of 2 3/8" used tubing	<u>31.35</u>	2183-2215
	2214.67	

Nipple down BOP and nipple up wellhead. Well started flowing just after wellhead was rigged up. Left well flowing to pit to cleanup. Released rig. End of Report.

ESTIMATED COSTS:

Rig:	\$ 800	Engineering:	\$ 600
Pump Truck:	\$ 300	Tubing:	\$ 5,300
<u>Daily:</u>	\$ 7,000		
<u>Cumulative:</u>	\$122,800		