

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FOR APPROVED

OMB NO. 1004-0157

Expires: November 30, 2000

5. Lease Serial No.

NM 03606

6. If Indian Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Ornard #13G

9. API Well No.

30-045-31450

10. Field and Pool, or Exploratory

Basin Fruitland Coal

11. Sec., T., R., M., on Block and Survey or Area

Sec 14, T27N, R8W

12. County or Parish

San Juan

13. State

NM

17. Elevations (DF, RKB, RT, GL)*

5993 GL

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

b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.

Other

2. Name of Operator

Robert L. Bayless, Producer LLC

3. Address

PO Box 168, Farmington, NM 87499

3a. Phone No. (include area code)

(505) 326-2659

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At Surface 930' FSL & 720' FWL

At top prod. interval reported below

At total depth

Same

14. Date Spudded

6/10/2003

15. Date T.D. Reached

6/18/2003

16. Date Completed

☐ D&A

☒ Ready to Prod.

8/8/2003

18. Total Depth: MD

2325

19. Plug Back T.D.: MD

2269

20. Depth Bridge Plug Set: MD

None

TVD

TVD

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

Gas Spectrum Log

22. Was well cored? ☒ No ☐ Yes (Submit analysis)

Was DST run? ☒ No ☐ Yes (Submit report)

Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
8 3/4	7" / J55	20	Surface	138	None	65 sx-Class B 3% CaCl	13.7	surface	None
6 1/4	4 1/2" / J55	10.5	Surface	2321	None	331 sx-Premium Lite High Strength Class B	125.6	surface	None

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	2203	None						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Fruitland Coal	2006	2202	2006 - 2156	.34"	99	
B)			2184 - 2202	.34"	90	
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
2006 - 2156	500 Gal 15% HCl Acid, 62,000 Gal Delta Frac, 132,000 lbs. 20/40 Mesh Sand
2184 - 2202	1,000 Gal 15% HCl Acid, 70,200 Gal Delta Frac, 120,600 lbs. 20/40 Mesh Sand

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
8/8/2003	8/8/2003	3	→		No Flow				Flow
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
3/4"	SI 0	325	→		No Flow			Shutin	

ACCEPTED FOR RECORD

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

AUG 14 2003

FARMINGTON FIELD OFFICE

(See instructions and spaces for additional data on reverse side)

NMOCD

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Shutin, waiting on pipeline connection

30. Summary of Porous Zones (Include Aquifers):

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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Fruitland	1922	2207	Coal, sandstone, natural gas	Ojo Alamo	1384
Pictured Cliffs	2207	2325	Sandstone, natural gas	Kirtland	1497
				Fruitland	1922
				Pictured Cliffs	2207

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- ☒ 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey
 5. Sundry Notices for plugging and cement verification 6. Core Analysis 7. Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print)

Kevin H. McCord

Title

Petroleum Engineer

Signature

Date

8/11/03

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

ROBERT L. BAYLESS, PRODUCER LLC

OXNARD #13G

**930 FSL & 720 FWL (SWSW)
SECTION 14, T27N, R8W
SAN JUAN COUNTY, NEW MEXICO**

COMPLETION REPORT

- 7/18/03 Pressure tested casing to 3000 psi, held OK. Wait on further completion.
- 7/19-21/03 Wait on further completion.
- 7/22/03 Rigged up Blue Jet Wireline Service. Run GR-CLL-CNL from PBTD of 2269 ft to 1000 ft. Log will be evaluated for completion interval. Wait on perforation and frac.
- 7/23-29/03 Wait on further completion.
- 7/30/03 Rigged up Blue Jet Wireline Service. Perforated the basal Fruitland Coal interval with 3 1/8" casing gun at 3 JSPF as follows:
- | | | |
|-------------|-------|----------|
| 2184 - 2202 | 18 ft | 54 holes |
|-------------|-------|----------|
- Rigged up Halliburton. Fracture stimulated the basal Fruitland Coal interval down the casing with 28,200 gals of 20# Delta 140 & Sand Wedge system containing 31,600 lbs of 20/40 Brady sand of as follows:
- | | |
|---|--------------------|
| 500 gals of 15% HCl acid spearhead | |
| 12,000 gals of 20# Delta Frac 140 pad | 41 bpm @ 2700 psi |
| 5,000 gals of 20# Delta Frac 140 w/1 ppg sand | 41 bpm @ 2300 psi |
| 7,000 gals of 20# Delta Frac 140 w/2 ppg sand | 41 bpm @ 2000 psi |
| 4,200 gals of 20# Delta Frac 140 w/3 ppg sand | 41 bpm @ 1800 psi* |
- * - Well screened out during this stage. The ISIP was 2200 psi, decreasing to 650 psi after 15 minutes. Pumped a total of 691 barrels of fluid, with approximate 27,500 lbs of sand in formation, leaving 4,100 lbs of sand in the wellbore. Shut well in. Shut down for the night.
- 7/31/03 Moved in and rigged up JC Well Service completion rig. Nipple down frac valve. Nipple up wellhead and BOP. Pick up notched collar and 2 3/8" tubing. Tagged sand fill in well at 1831 ft (353 ft of sand fill above top perforation). Circulated 438 ft of sand from hole to PBTD of 2269 ft. Moved tubing up hole and landed at 2204 ft. Rigged to swab. Made 32 swab runs on the day, static fluid level started at 1000 ft and dropped to 1700 ft. Well

was making water and gassing slightly after each swab run. Annulus pressure built to 5 psi at the end of the day. Recovered approximately 80 barrels of fluid. Shut well in. Shut down for the night.

8/1/03 Overnight pressures: tubing 0 psi, annulus 10 psi. Rigged to swab. Made 15 swab runs. The static fluid level started at 1000 ft and dropped to 1700 ft. Well was making water and gassing slightly after each swab run. Recovered approximately 40 barrels of fluid while the annulus pressure built to 20 psi while swabbing. Trip tubing in hole and tagged sand fill at 2267, just 2 ft of fill in hole. Trip tubing out of hole. Shut well in. Shut down for the weekend.

8/2-3/03 Shut down for the weekend.

8/4/03 Rigged up Blue Jet Wireline Service. Re-perforated the basal Fruitland Coal interval with 3 1/8" casing gun at 2 JSPF as follows:

2184 - 2202 18 ft 36 holes

note: found tight spot in casing at 2219 ft. Rigged up Halliburton. Fracture stimulated the basal Fruitland Coal interval down the casing with 42,000 gals of 25# & 20# Delta 140 & Sand Wedge system containing 89,000 lbs of 20/40 Brady sand of as follows:

500 gals of 15% HCl acid spearhead	
5,000 gals of 25# Delta Frac 140 pad	18 bpm @ 3000 psi
2,000 gals of 25# Delta Frac 140 w/1/2 ppg sand	36 bpm @ 2200 psi
5,000 gals of 25# Delta Frac 140 pad	41 bpm @ 1700 psi
5,000 gals of 20# Delta Frac 140 w/1 ppg sand	41 bpm @ 1300 psi
7,000 gals of 20# Delta Frac 140 w/2 ppg sand	41 bpm @ 1200 psi
7,000 gals of 20# Delta Frac 140 w/3 ppg sand	41 bpm @ 1100 psi
7,000 gals of 20# Delta Frac 140 w/4 ppg sand	41 bpm @ 1050 psi
4,000 gals of 20# Delta Frac 140 w/5 ppg sand	41 bpm @ 1000 psi
1,450 gals of 20# Water Frac G flush	20 bpm @ 900 psi

ISIP was 750 psi, decreasing to 650 psi after 15 minutes. Average rate was 40 bpm. Average pressure was 1450 psi with maximum pressure of 3300 psi and minimum pressure of 900 psi. Set composite drillable bridge plug with wireline at 2181 ft. Pressure tested plug to 3500 psi, held OK. Perforated the upper Fruitland Coal interval with 3 1/8" casing gun at 3 JSPF as follows:

2006 - 2008	2 ft	6 holes	.34" diameter
2036 - 2042	6 ft	18 holes	.34" diameter
2074 - 2090	16 ft	48 holes	.34" diameter
2142 - 2146	4 ft	12 holes	.34" diameter
2151 - 2156	5 ft	15 holes	.34" diameter
Total	33 ft	99 holes	

Fracture stimulated the upper Fruitland Coal interval down the casing with 62,000 gallons of 20# Delta 140 & Sand Wedge system containing 132,000 lbs of 20/40 Brady sand as follows:

500 gals of 15% HCl acid spearhead	
18,000 gals of 20# Delta Frac 140 pad	41 bpm @ 1650 psi
7,000 gals of 20# Delta Frac 140 w/1 ppg sand	41 bpm @ 1550 psi
10,000 gals of 20# Delta Frac 140 w/2 ppg sand	41 bpm @ 1500 psi
10,000 gals of 20# Delta Frac 140 w/3 ppg sand	41 bpm @ 1450 psi
10,000 gals of 20# Delta Frac 140 w/4 ppg sand	41 bpm @ 1350 psi
7,000 gals of 20# Delta Frac 140 w/5 ppg sand	41 bpm @ 1300 psi
1,300 gals of 20# Water Frac G flush	41 bpm @ 1300 psi

ISIP was 1000 psi, decreasing to 650 psi after 15 minutes. Average rate was 41 bpm. Average pressure was 1500 psi with maximum pressure of 1700 psi and minimum pressure of 1250 psi. Approximate 2,615 barrels of load fluid to recover. Shut well in. Shut down for the night.

8/5/03 Trip in hole with bit on tubing. Tagged sand fill at 2097 ft. Circulate 84 ft of sand from top of bridge plug. Drilled bridge plug at 2181 ft. Circulate sand from hole to 2266 ft (3 ft above PBTD of 2269 ft). Sand was difficult to circulate. Shut in well. Shut down for the night.

8/6/03 Overnight pressures: tubing 10 psi, annulus 0 psi. Blow down pressure. Trip tubing and bit out of hole. Trip in hole with 2 3/8" tubing production string and land 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 tubing	2199.33	3 - 2202
1 seating nipple	<u>1.10</u>	2202 - 2203
	2203.43	

Rigged to swab. Made 38 swab runs on the day, recovering approximately 120 barrels of fluid. The fluid level stayed constant at approximately 700 feet from surface. The annulus pressure built to 300 psi at the end of the day. Shut well in. Shut down for the night.

8/7/03 Overnight pressures, tubing 0 psi, annulus 325 psi. Made 5 swab runs and kicked the well off flowing. Well flowed for 15 minutes, then died. Made 53 swab runs on the day, kicking the well off flowing 6 times. Well flowed for 15 minutes, then died. Left well flowing overnight. Shut down for the night.

8/8/03 Well was dead this morning. Annulus pressure was 310 psi. Shut well in. Rig down and released rig.