

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FOR APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.

NM 047

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

b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☒ Plug Back ☒ Drift Resect  
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator

Robert L. Bayless, Producer LLC

8. Lease Name and Well No.

Floyd #6

3. Address

PO Box 168, Farmington, NM 87499

3a. Phone No. (Include area code)

(505) 326-2659

9. API Well No.

30-045-30809

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

At Surface 1050' FSL, 1065' FWL, Sec.7, T30N R12W

At top prod. interval reported below

At total depth

Same

10. Field and Pool, or Exploratory

Basin Fruitland Coal

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

Sec 7, T30N, R12W

12. County or Parish

San Juan

13. State

NM

14. Date Spudded

11/2/01

15. Date T.D. Reached

11/10/01

16. Date Completed

☐ D&A ☒ Ready to Prod.

12/12/01

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

5932 RKB

18. Total Depth: MD

2215

TVD

19. Plug Back T.D.: MD

2162

TVD

20. Depth Bridge Plug Set: MD

None

TVD

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

Gas Spectrum Log (cased hole)

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	669	None	260 sx-Class B 3% CaCl	55.6	Surface	None
6 1/4	4 1/2" / J55	10.5	Surface	2211	None	160 sx-Premium Lite High Strength Class B	61.0	330	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"	2057	None						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Fruitland Coal	1666	2060	2030 - 2048	.34"	72	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
2030 - 2048	500 Gal 15% HCL, 46,050 Gal Delta Frac, 78,240 lbs. 20/40 Mesh Sand

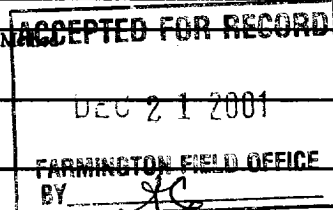
28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/12/01	12/12/01	3	→		No Flow				Pumping
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	50	→		No Flow			Shutin	

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	
			→						

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



## 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 Pictured Cliffs	1666 2060	2060 2215	Coal, sandstone, natural gas Sandstone, natural gas	Ojo Alamo (est) Kirtland (est) Fruitland Pictured Cliffs	500 580 1666 2060

## 32. Additional remarks (include plugging procedure):

## 33. Circle enclosed attachments:

- ☒ 1. Electrical/Mechanical Logs (1 full set req'd.)  
 5. Sundry Notices for plugging and cement verification

2. Geologic Report  
 6. Core Analysis

3. DST Report  
 7. Other:

4. Directional Survey

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

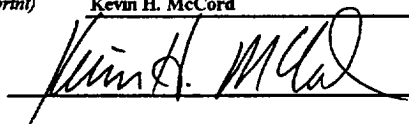
Name (please print)

Kevin H. McCord

Title

Petroleum Engineer

Signature



Date

12/14/01

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

FLOYD #6

1050 FSL & 1065 FWL (SWSW)  
SECTION 7, T30N, R12W  
SAN JUAN COUNTY, NEW MEXICO

## COMPLETION REPORT

11/27/01 Rigged up Blue Jet Wireline Service. Run Gas Spectrum Log (GSL) from PBTD of 2162 ft to 1000 ft. Ran GR-CLL-CBL from 2162 ft to surface. Had good cement bond across Fruitland Coal perforation interval. Top of cement is 330 ft. Shut in well. Wait on frac equipment.

11/28/01 Wait on frac equipment.

11/29/01 Wait on frac equipment.

11/30/01 Wait on frac equipment.

12/1/01 Rigged up Blue Jet Wireline Service. Perforated the Fruitland Coal interval with 3 1/8" casing gun as follows: (depths from GSL log)

2030 - 2048	18 ft	72 holes	.34" diameter
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Rigged up Halliburton. Fracture Stimulated the Fruitland Coal interval down the casing with 12,550 gal of 20# Delta Frac 140 & Sand Wedge system containing 7,000 lbs of 20/40 sand as follows:

Broke down perforations at 1600 psi. Established injection rate of 5 bpm at 700 psi. Pumped 500 gals of 7 1/2% HCl acid, then:

9,000 gals of 20# Delta Frac pad	24 bpm @ 1900 psi
3,550 gals of 20# Delta Frac w/2ppg sand	25 bpm @ 1900-3500 psi*

\* - frac screened off with approximately 3000 lbs of 20/40 sand in formation. Expect approximately 4,000 lbs of sand (approximately 400 ft) in wellbore. Approximately 335 barrels of load fluid to recover (includes casing volume).

Shut in well for the weekend.

12/2/01 Shut down, Sunday.

- 12/3/01 Well did not have any pressure on it this morning. 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 1740 ft (422 ft of sand fill in well). Rigged up Three Rivers Trucking pump truck. Circulated 422 ft of sand from hole to PBTD of 2162 ft. Moved tubing to 2057 ft and landed. Nipple down BOP. Shut down for the night.
- 12/4/01 Well did not have any pressure on it this morning. Rigged to swab. Made 66 total swab runs on the day. Recovered approximately 60 barrels of water (approximately 275 barrels of load left to recover). Fluid level was staying constant about 350 ft from bottom of tubing. Tubing had a slight blow after each swab run, annulus pressure built up to 190 psi by end of the day. At the end of the day, swabbing 7-8 runs per hour, recovering about 1 bbl of fluid per run. Shut in well. Shut down for the night.
- 12/5/01 Well had 25 psi on tubing and 295 psi on annulus this morning. Tubing pressure bled right down. Rigged to swab. Initial fluid level was 500 ft from surface. Made 69 total swab runs on the day, swabbing 7-8 runs per hour. Recovered approximately 65 barrels of water (approximately 210 barrels of load fluid left to recover). Bled pressure off of annulus to remove backpressure from formation. The fluid level stayed constant at about 350 ft from bottom of tubing until about the 60<sup>th</sup> run, when fluid started drying up. The 9 remaining swab runs recovered lesser amounts of fluid, with the fluid level dropping to 50-100 ft from bottom of tubing. Shut well in. Shut down for the night.
- 12/6/01 Well had 0 psi on tubing and 120 psi on annulus this morning. Tubing pressure bled right down. Rigged to swab. Initial fluid level was 600 ft from bottom of tubing. Made 3 swab runs and fluid level stayed about 400 ft from bottom. Nipple up BOP. Unseated tubing and tagged sand fill in casing at 2147 ft (99 ft of rathole below bottom perforation, 15 ft of sand fill in hole). Trip tubing out of hole, laying down on float. Nipple down BOP and wellhead. Nipple up frac valve on casing. Released rig. Shut down for the night. Wait on frac crew for refrac.
- 12/7/01 Wait on frac crew for refrac.
- 12/8/01 Rigged up Halliburton. Fracture Stimulated the Fruitland Coal interval down the casing with 11,000 gal of 25# and 22,500 gal of 20# Delta Frac 140 & Sand Wedge system containing 71,250 lbs of 20/40 sand as follows:

5,000 gals of 25# Delta Frac pad	40 bpm @ 2700 psi
1,000 gals of 25# Delta Frac w/.25 ppg sand	40 bpm @ 2600 psi
2,000 gals of 25# Delta Frac spacer	40 bpm @ 2550 psi
1,000 gals of 25# Delta Frac w/.50 ppg sand	40 bpm @ 2500 psi
2,000 gals of 25# Delta Frac spacer	40 bpm @ 2500 psi
3,000 gals of 20# Delta Frac w/1 ppg sand	40 bpm @ 2400 psi

3,000 gals of 20# Delta Frac w/2 ppg sand	40 bpm @ 2400 psi
7,500 gals of 20# Delta Frac w/3 ppg sand	24 bpm @ 3000 psi*
6,000 gals of 20# Delta Frac w/4 ppg sand	34 bpm @ 2000 psi*
3,000 gals of 20# Delta Frac w/5 ppg sand	35 bpm @ 1800 psi
1,290 gals of 20# Water Frac G flush	35 bpm @ 1800 psi

\* – Fracture treatment was trying to screen off. Used numerous pump rates with various corresponding pressures to keep sand moving into formation.

ISIP was 400 psi, decreasing to 325 psi after 15 minutes. Average rate was 37 bpm. Average pressure was 2300 psi. Maximum rate 43 bpm, minimum rate 15 bpm. Maximum pressure 3500 psi, minimum pressure 1800 psi. Approximate load fluid to recover is 950 bbls. Shut well in. Shut down for the weekend.

12/9/01 Shut down, Sunday.

12/10/01 Well did not have any pressure on it this morning. 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 1992 ft (170 ft of sand fill in well, 38 ft of sand above top perforation). Rigged up C&J Trucking pump truck. Circulated 170 ft of sand from hole to PBTD of 2162 ft. Landed tubing at 2057 ft. Rigged to swab. Made 30 total swab runs, recovering approximately 95 bbls of fluid. Well is making sand and small coal chunks with fluid and has a slight blow of gas after each swab run. Fluid level stayed approximately 800 ft from bottom, swabbing approximately 18 bbls of fluid per hour at the end of the day. Annulus was open to vent while swabbing. Shut well in. Shut down for the night.

12/11/01 Well had 0 psi on annulus and a slight blow on the tubing this morning. Rigged to swab. Initial fluid level was 1500 ft from bottom of tubing. Made 3 swab runs and fluid level dropped to 1000 ft from bottom. After 10 swab runs, fluid level is 800 ft from bottom. Well is making show of coal fines in swabbed fluid. Made 48 total swab runs on the day, recovering approximately 140 bbls of fluid. At end of day, fluid level was steady at 700 ft from bottom of tubing, swabbing approximately 15 barrels of fluid per hour. Unseated tubing and tagged sand at 2161 ft (1 ft of fill). Shut down for the night.

12/12/01 Well had no pressure on it this morning. Tripped tubing out of hole. Trip in hole with bottom hole assembly on tubing and landed as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	2.00	0 – 2
63 jts of 2 3/8" 4.7#/ft J55		
EUE yellow band tubing	1993.35	2 – 1995
1 seating nipple	1.08	1995 – 1996
1 tubing sub	8.16	1996 – 2005

1 pump, tag bar and xovers	15.83	2005 - 2020
1 torque anchor	1.84	2020 - 2022
1 tubing sub	4.02	2022 - 2026
1 jt of 2 3/8" tubing	<u>30.49</u>	2026 - 2057
	2056.77	

Had lots of trouble setting torque anchor. Left anchor hanging in hole. Nipple down BOP. Nipple up wellhead. Trip in hole with rods as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	0.00	0 - 0
1 1 1/4" Polished rod (4 ft out)	12.00	0 - 12
1 pony rod	8.00	12 - 20
rod stretch	11.00	20 - 31
78 7/8" rods	1950.00	31 - 1981
1 pump rotor	<u>15.00</u>	1981 - 1996
	1996.00	

Released rig. Job complete. Wait on surface equipment for pumping.