Form 3160-4
(August 1999)

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 ☐ Diff. Resvr.
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 #8

3. Address
PO Box 168, Farmington, NM 87499

3a. Phone No. *(include area code)*
(505) 326-2659

9. API Well No.
30-045-30808

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**
At Surface **1105' FSL, 1070' FEL, Sec. 17, 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 17, T30N, R12W

12. County or Parish
San Juan

13. State
NM

14. Date Spudded
12/18/01

15. Date T.D. Reached
1/12/02

16. Date Completed ☐ D&A ☑ Ready to Prod.
6/17/02

17. Elevations (DF, RKB, RT, GL)*
5815 RKB

18. Total Depth: MD **2160** TVD

19. Plug Back T.D.: MD **2101** TVD

20. Depth Bridge Plug Set: MD **None** TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Induction Log, Density 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
8 3/4	7" / J55	20	Surface	659	None	165 sx-Type III 2% CaCl	41.7	surface	None
6 1/4	4 1/2" / J55	10.5	Surface	2156	None	160 sx-Premium Lite High Strength	61.0	surface	None
						Class B 3% CaCl			

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"	2006	None						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Fruitland Coal	1644	1969	1939 - 1961	.34"	88	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
1939 - 1961	1000 Gal 10% Formic Acid, 56,000 Gal AmBorMax, 146,500 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
6/18/02	6/18/02	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	100	→		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
			→					

ACCEPTED FOR RECORD
JUN 19 2002
FARMINGTON FIELD OFFICE
BY

(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
				Ojo Alamo	**(est)**	**450**
				Kirtland	**(est)**	**610**
Fruitland	**1644**	**1969**	**Coal, sandstone, natural gas**	**Fruitland**		**1644**
Pictured Cliffs	**1969**	**2160**	**Sandstone, natural gas**	**Pictured Cliffs**		**1969**

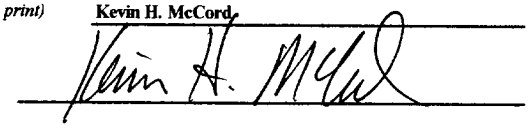
32. Additional remarks (include plugging procedure):

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 **6/18/02**

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.

PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48 (3) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. et seq.; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is to be used to evaluate the actual operations performed in the drilling, completing and testing of a well on a Federal or Indian lease.

ROUTINE USES: (1) Evaluate the equipment and procedures used during the drilling and completing/recompleting of a well. (2) The review of geologic zones and formation encountered during drilling. (3) Analyze future applications to drill in light of data obtained and methods used. (4) (5) Information from the recorded and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this report and disclosure of the information is mandatory once a well drilled on a Federal or Indian lease is completed/recompleted.

The Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.) requires us to inform you that:
This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling and completing/recompleting wells on Federal and Indian oil and gas leases.

This information will be used to analyze operations and to compare equipment and procedures actually used with those proposed and approved.

Response to this request is mandatory only if the operator elects to initiate drilling and completing/recompleting operations on an oil and gas lease.

BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collections unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 60 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management, Bureau Clearance Officer, (WO-630), MS 401 LS, 1849 C Street, N.W., Washington, D.C. 20240, and the Office of Management and Budget, Interior Desk Officer (1004-0137), Washington, D.C. 20503.

ROBERT L. BAYLESS, PRODUCER LLC

FLOYD #8

1105 FSL & 1070 FEL (SESE)
SECTION 17, T30N, R12W
SAN JUAN COUNTY, NEW MEXICO

COMPLETION REPORT

6/12/02 Rigged up Blue Jet Wireline Service. Run GR-CLL from corrected PBTD of 2101 ft to 1500 ft. Perforated the Fruitland Coal interval with 3 1/8" casing gun as follows:

1939 - 1961	22 ft	88 holes	.34" diameter

Shut down for the night.

6/13/02 Wait on frac crew.

6/14/02 Rigged up American Energy Services. Fracture Stimulated the Fruitland Coal interval down the casing with 56,000 gallons of 25# and 20# AmBorMax 1025-1020 fluid containing 146,500 lbs of 20/40 mesh Santrol Super LC resin coated sand as follows:

1,000 gals of 10% Formic acid spearhead	4.5 bpm @ 600 psi
6,000 gals of 25# Delta Frac 140 pad	43 bpm @ 1650 psi
2,000 gals of 25# Delta Frac 140 w/.25 ppg sand	43 bpm @ 1700 psi
2,000 gals of 25# Delta Frac 140 spacer	44 bpm @ 1750 psi
2,000 gals of 25# Delta Frac 140 w/.50 ppg sand	42 bpm @ 1800 psi
3,000 gals of 25# Delta Frac 140 spacer	42 bpm @ 1800 psi
6,000 gals of 20# Delta Frac 140 w/1 ppg sand	42 bpm @ 1850 psi
6,000 gals of 20# Delta Frac 140 w/2 ppg sand	42 bpm @ 2000 psi
8,000 gals of 20# Delta Frac 140 w/3 ppg sand	41 bpm @ 1950 psi
8,000 gals of 20# Delta Frac 140 w/4 ppg sand	41 bpm @ 1900 psi
7,000 gals of 20# Delta Frac 140 w/5 ppg sand	41 bpm @ 1900 psi
6,000 gals of 20# Delta Frac 140 w/6 ppg sand	41 bpm @ 1950 psi
1,300 gals of 20# Water Frac G flush	42 bpm @ 2050 psi

ISIP was 1200 psi, decreasing to 600 psi after 15 minutes. Average rate was 42 bpm. Average pressure was 1900 psi with maximum pressure of 2100 psi and minimum pressure of 1600 psi. Sand contained 60 mc Ir192 radioactive tracer material. Approximate load fluid to recover is 1300 bbls. Shut well in. Shut down for the night.

6/15/02 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 2101 ft (no sand fill in well). Moved tubing to 1950 ft and rigged to swab. Made 20 swab runs and recovered an estimated 80 barrels of water. Fluid level started about 500 ft from surface, dropping to about 800 ft from surface after swabbing. Tripped tubing in hole and tagged sand fill at 2101 ft, no sand fill. Moved tubing to 1797 ft. Rigged up Blue Jet Wireline Service. Ran GR tracer survey log from PBTD to 1500 ft. After-frac log showed Fruitland Coal perforated interval was treated very well. It also showed the frac grew downward about 7 ft below bottom perforation to 1968 ft to the top of the Pictured Cliffs formation. Shut in well, shut down for the night.

6/16/02 Shut down - Sunday

6/17/02 Well did not have any pressure on it this morning. Rigged to swab. Rigged to swab. Made 39 total swab runs and recovered an estimated 60 barrels of water. Fluid level was staying constant about 500 ft from bottom of tubing. Tubing had a slight vacuum after each swab run. There was no annulus pressure built up while swabbing. Tagged PBTD with tubing at 2101 ft, indicating no sand fill. Tripped tubing out of hole. Tripped in hole with pumping bottom hole assembly on tubing and landed as follows:

Description	Length	Depth
KB to landing point	2.00	0 - 2
63 jts of 2 3/8" 4.7#/ft J55 EUE yellow band tubing	1947.79	2 - 1950
1 seating nipple	1.10	1950 - 1951
1 tubing sub	8.07	1951 - 1959
1 pump and X overs	13.93	1959 - 1973
1 torque anchor	1.56	1973 - 1974
1 jt of 2 3/8" tubing	31.72	1974 - 2006
	2006.17	

Nipple down BOP. Nipple up wellhead. Trip in hole with rods as follows:

Description	Length	Depth
KB to landing point	0.00	0 - 0
1 1 ¼" Polished rod (3 ft out)	19.00	0 - 19
2 pony rods	12.00	19 - 31
rod stretch	7.00	31 - 38
77 7/8" rods	1925.00	38 - 1963
1 pump rotor	10.00	1963 - 1973
	1973.00	

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