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 #4

3. Address
PO Box 168, FARMINGTON, NM 87499

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

9. API Well No.
30-045-30224

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**
At Surface **985' FNL & 1070' FEL**
At top prod. interval reported below
At total depth
SAME

10. Field and Pool, or Exploratory
Fulcher Kutz PC

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
7/13/00

15. Date T.D. Reached
7/20/00

16. Date Completed ☐ D&A ☑ Ready to Prod. **8/17/00**

17. Elevations (DF, RKB, RT, GL)*
5769 RKB

18. Total Depth: MD **2100** TVD

19. Plug Back T.D.: MD **2045** TVD

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

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Induction Log, Density Log, Tempature 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	23 #/ft	Surface	565	None	200 sx-Class B w/ 2% CaCl	38.5	Surface	None
6 1/4	4 1/2" / J55	10.5 #/ft	Surface	2092	None	100 sx-Class B w/ 2% Econolite	36.7		
						72 sx-Class B	15.1	500	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"	1956	None						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Pictured Cliffs	1944	2100	1944 - 1957	.34"	52	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
1944 - 1957	500 gal 7 1/2% HCl, 26,500 gal 70 Quality Foam, 80,000 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
8/17/00	8/17/00	3	→		No Flow				Flowing
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas : Oil Ratio**	**Well Status**	
3/4"	0 psi	550 psi	→		No Flow			Shut in	

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. SI**	**Csg. Press.**	**24 Hr. Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas : Oil Ratio**	**Well Status**	
			→						

ACCEPTED FOR RECORD

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

SEP 05 2000

NMOCD

FARMINGTON FIELD OFFICE

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.)*

Shut in, 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	**Behind surface casing**		**Sandstone**	**Ojo Alamo**	**Behind surface casing**
Kirtland	**Behind surface casing**		**Sandstone, siltstone, shale**	**Kirtland**	**Behind surface casing**
Fruitland	**1586**	**1944**	**Sandstone, siltstone, shale, coal, natural gas & water**	**Fruitland**	**1586**
Pictured Cliffs	**1944**	**TD**	**Sandstone, natural gas & water**	**Pictured Cliffs**	**1944**

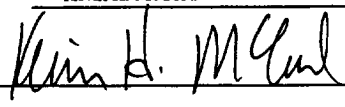
32. Additional remarks (include plugging procedure):

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 **8/17/00**

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
FLOYD #4
985 FNL & 1070 FEL (NENE)
SECTION 17, T30N, R12W
SAN JUAN COUNTY, NEW MEXICO

COMPLETION REPORT

8-10-00 Rigged up American Energy Services. Pressure tested casing to 3000 psi, held OK. Rigged up Blue Jet Wireline services. Ran GR-CLL from PBTD of 2045 ft RKB to 1500 ft. Perforated the Pictured Cliffs interval with 3 1/8" casing gun at 4 JSPF as follows:

1944 - 1957 ft	13 ft	52 holes	.34" diameter

Broke down perforations at 2100 psi. Established an injection rate of 5.0 BPM @ 560 psi, ISIP = 400 psi (FG = 0.63). Acidized the Pictured Cliffs interval with 500 gallons of 7.5% DI weighted HCL acid containing 78 1.1 sg RCN ball sealers. Acid rate was 4.5 BPM @ 450 psi. Balled off casing to 3000 psi. Ran junk basket in hole on wireline twice and recovered 37 ball sealers on first run and 0 balls on second run. Fracture stimulated the Pictured Cliffs formation with 26,500 gallons of 70 quality foam using 30# X-linked borate gelled fluid containing 80,000 lbs. of 20-40 mesh sand as follows:

4,000 gals 70 Q foam pad	15 BPM @ 1150 psi
5,000 gals 70 Q foam with 0-4 ppg (ramped) 20-40 sand	15 BPM @ 1050 psi
17,500 gals 70 Q foam with 4 ppg 20-40 sand	15 BPM @ 950 psi
1,200 gals 70 Q foam flush	15 BPM @ 1050 psi

ISIP = 1000 psi decreasing to 900 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: 4 mc Sb-124 in 0-4 ppg sand stage, 15 mc Ir-192 in first half of 4 ppg sand stage, and 12 mc Sc-46 in second half of 4 ppg sand stage. Average rate 15 BPM, average pressure 1000 psi, maximum pressure 1150 psi, minimum pressure 950 psi, average nitrogen rate 4,000 scfm, total nitrogen pumped 188,500 scf. Shut well in for 3 hours. Blow well back to pit through a 1/4" tapped bullplug. Well flowing to cleanup with drywatch. Shut down for the night.

8-11-00 Well flowed foamy water and sand for 18 hours after frac, and was still flowing this morning. Moved in and rigged up JC Well Service completion rig. Nipple up wellhead. Attempted to blow down well and kill well using JC's pump truck. Could not get well flow low enough to install BOP. Shut down for the weekend, leaving well flowing to lower pressures and flow rates.

8-12-00 Shut down, Saturday. Well flowing to pit.

8-13-00 Shut down, Sunday. Well flowing to pit.

8-14-00 Well still flowing this morning. Rigged up Three Rivers pump truck. Killed well several times, finally able to nipple up BOP on wellhead. Pick up 2 3/8" tubing.

Tagged sand fill at 1961 ft (4 ft below bottom perforation). Tried to circulate sand from hole. JC pump not large enough to establish circulation. Shut down for the night.

8-15-00 Rigged up Three Rivers pump truck. Filled well with water and established circulation. Circulated 68 ft of sand from well from 1961 ft to 2029 ft (72 ft of rat hole). Moved tubing up hole and landed as follows:

Description	Length	Depth
KB to landing point	3.00	0-3
2 2 3/8" tubing subs	18.00	3-21
60 jts of 2 3/8" 4.7#/ft EUE yellow band tubing	1902.18	21-1923
1 seating nipple	1.10	1923-1924
1 jt of 2 3/8" tubing	31.53	1924-1956
	1955.81	

Nipple down BOP. Nipple up wellhead. Rigged to swab. Made 37 swab runs on the day, recovering approximately 140 barrels of fluid. Not much gas was seen while swabbing, just lots of water. Fluid level stayed at 900 to 1000 feet from surface during swabbing. Annulus pressure built up to 65 psi at end of day. Shut in well, shut down for the night.

8-16-00 Overnight pressures: tubing 0 psi, annulus 450 psi. Rigged to swab. Made 47 swab runs on the day, recovering approximately 180 barrels of fluid and very little sand. Well kicked off flowing several times for 10 -15 minute periods, then died. Fluid level stayed at 800 feet from surface all day during swabbing. Shut in well, shut down for the night.

8-17-00 Overnight pressures: tubing 100 psi, annulus 550 psi. Opened well to flow through choke to pit, well flowing on its own. Rigged down and released rig. Left well flowing to pit. End of Report.