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 05791

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.
Graham B WN Federal #10G

3. Address
PO Box 168, Farmington, NM 87499

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

9. API Well No.
30-045-31646

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**
At Surface **1750' FSL & 1935' FWL**
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 10, T27N, R8W

12. County or Parish
San Juan

13. State
NM

14. Date Spudded
1/13/04

15. Date T.D. Reached
1/20/04

16. Date Completed ☐ D&A ☑ Ready to Prod.
2/17/04

17. Elevations (DF, RKB, RT, GL)*
5916 GL

18. Total Depth: MD **2250** TVD

19. Plug Back T.D.: MD **2163** 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	139	None	50 sx-Class B 3% CaCl	10.5	surface	None
6 1/4	4 1/2" / J55	10.5	Surface	2220	None	300 sx-Premium Lite High Strength Class B	113.8	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"	2104	None						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Fruitland Coal	2020	2101	2020 - 2042	.34"	66	
B)			2058 - 2072	.34"	42	
C)			2082 - 2101	.34"	57	
D)						

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

Depth Interval	Amount and Type of Material
2020 - 2072	500 Gal 15% HCl Acid, 64,000 Gal Delta Frac, 135,000 lbs. 20/40 Mesh Sand
2082 - 2101	500 Gal 15% HCl Acid, 43,000 Gal Delta Frac, 87,000 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
2/17/04	2/17/04	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	147			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)

ACCEPTED FOR RECORD
FEB 20 2004
FARMINGTON FIELD OFFICE

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
				Ojo Alamo	**1223**
				Kirtland	**1373**
Fruitland	**1878**	**2107**	**Coal, sandstone, natural gas**	**Fruitland**	**1878**
Pictured Cliffs	**2107**	**2250**	**Sandstone, natural gas**	**Pictured Cliffs**	**2107**

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 **2/17/04**

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

GRAHAM B #10G

1750 FSL & 1935 FEL (NWSE)
SECTION 10, T27N, R8W
SAN JUAN COUNTY, NEW MEXICO

COMPLETION REPORT

2/10/03 Installed frac valve and rigged up flowback lines. Rigged up Halliburton. Pressure tested casing to 3500 psi, held OK. Rigged up Blue Jet Wireline Service. Run GR-CLL from corrected PBTD of 2162 ft to 1800 ft. Perforated the basal Fruitland Coal interval with 3 1/8" casing gun at 3 JSPF as follows:

2082 - 2101 19 ft 57 holes .34" diameter

Fracture Stimulated the Basin Fruitland Coal interval down the casing with 43,000 gals of 25# and 20# Delta 140 & Sand Wedge system with 87,000 lbs of 20/40 Brady sand as follows:

500 gals of 15% HCl acid spearhead	
5,000 gals of 25# Delta Frac 140 pad	40 bpm @ 1150 psi
2,000 gals of 25# Delta Frac 140 w/1/2 ppg sand	40 bpm @ 1200 psi
3,000 gals of 25# Delta Frac 140 pad	40 bpm @ 1300 psi
2,000 gals of 25# Delta Frac 140 w/1/2 ppg sand	40 bpm @ 1300 psi
3,000 gals of 25# Delta Frac 140 pad	40 bpm @ 1300 psi
5,000 gals of 20# Delta Frac 140 w/1 ppg sand	40 bpm @ 1300 psi
5,000 gals of 20# Delta Frac 140 w/2 ppg sand	40 bpm @ 1200 psi
7,000 gals of 20# Delta Frac 140 w/3 ppg sand	40 bpm @ 1150 psi
6,000 gals of 20# Delta Frac 140 w/4 ppg sand	40 bpm @ 1150 psi
5,000 gals of 20# Delta Frac 140 w/5 ppg sand	40 bpm @ 1150 psi
1,475 gals of 20# Water Frac G flush	40 bpm @ 1200 psi

ISIP was 900 psi decreasing to 550 psi after 15 minutes. Average rate 40 BPM, average pressure 1200 psi. Maximum pressure 1350 psi, minimum pressure 1100 psi. Trip in hole and set drillable composite bridge plug at 2080 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:

2020 - 2042	22 ft	66 holes	.34" diameter
2058 - 2072	14 ft	42 holes	.34" diameter
Total	36 ft	108 holes	

Fracture stimulated the upper Fruitland Coal interval down the casing with 64,000 gallons of 25# and 20# Delta 140 & Sand Wedge system containing 135,000 lbs of 20/40 Brady sand as follows:

500 gals of 15% HCl acid spearhead	
6,000 gals of 25# Delta Frac 140 pad	40 bpm @ 1350 psi
3,000 gals of 25# Delta Frac 140 w/1/2 ppg sand	40 bpm @ 1400 psi
4,000 gals of 25# Delta Frac 140 pad	40 bpm @ 1500 psi
3,000 gals of 25# Delta Frac 140 w/1/2 ppg sand	40 bpm @ 1500 psi
4,000 gals of 25# Delta Frac 140 pad	40 bpm @ 1550 psi
7,000 gals of 20# Delta Frac 140 w/1 ppg sand	40 bpm @ 1550 psi
10,000 gals of 20# Delta Frac 140 w/2 ppg sand	40 bpm @ 1550 psi
10,000 gals of 20# Delta Frac 140 w/3 ppg sand	40 bpm @ 1450 psi
10,000 gals of 20# Delta Frac 140 w/4 ppg sand	40 bpm @ 1400 psi
7,000 gals of 20# Delta Frac 140 w/5 ppg sand	40 bpm @ 1350 psi
1,350 gals of 20# Water Frac G flush	40 bpm @ 1400 psi

ISIP was 1150 psi, decreasing to 950 psi after 15 minutes. Average rate was 40 bpm with average pressure 1500 psi. Maximum pressure was 1600 psi with minimum pressure of 1300 psi. Approximate total load fluid to recover is 2628 barrels. Shut well in overnight to allow gel to break.

2/11/04 Move in and rig up JC Well Service. Remove frac valve. Install wellhead and nipple up BOP. Pick up bit and 2 3/8" tubing. Trip in hole and tag sand fill at 1953. Circulate 127 ft of sand from wellbore to bridge plug at 2080 ft. Perforations are taking considerable water. Drill bridge plug. Tag sand fill again at 2097 ft. Pull 10 jts of tubing and stand back in derrick. Shut down for the night.

2/12/04 Finish circulating sand from wellbore to PBTD of 2162 ft. Trip tubing and bit out of hole. Trip in hole with tubing and set at 2100 ft. Rigged to swab. Made 5 swab runs recovering approximately 1 barrel of fluid per run with fluid level at approximately 1500 ft. Shut down for the night.

2/13/04 Trip tubing to PBTD and check for fill, no fill. Moved tubing up hole and landed production string as follows:

Description	Length	Depth
KB to landing point	3.00	0 - 3
1 jt 2 3/8" sub	4.00	3 - 7
65 jts of 2 3/8" 4.7#/ft J55 EUE yellow band tubing	2081.74	7 - 2089
1 seating nipple	1.10	2089 - 2090
1 jt of 2 3/8" tail joint	14.00	2090 - 2104
	2103.84	

Nipple down BOP. Nipple up wellhead. Rigged to swab. Made 27 swab runs, recovering approximately 1 barrel of fluid per run. Annulus pressure built

up to 160 psi. Kicked well off flowing. Left well flowing to pit to cleanup through a pinched 2" flow line. Shut down for the night.

2/14/04 Well still flowing gas with a wet mist of fluid this morning. Rig down and release rig. Left well flowing through a ½" bull plug with 30 psi on tubing and 82 psi on annulus.

2/15/04 Sunday - Well flowing to cleanup.

2/16/04 Well still flowing gas with a wet mist of fluid this morning through a ½" bull plug with 25 psi on tubing and 65 psi on annulus. Left well flowing all day. The gas flow from the well had dried by this evening. Well was flowing through a ½" bull plug with 20 psi on tubing and 60 psi on annulus. Shut well in for buildup.

2/17/04 Overnight shut in pressures: tubing 84 psi, annulus 147 psi. Wait on installation of surface equipment. Job complete.