

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

RECEIVED

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

5. Lease Serial No.  
NM 05791

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 #9G

3. Address

PO Box 168, Farmington, NM 87499

3a. Phone No. (include area code)

(505) 326-2659

9. API Well No.

30-045-31445

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

At Surface 1330' FNL & 1685' 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 3, T27N, R8W

12. County or Parish

San Juan

13. State

NM

14. Date Spudded

6/3/2003

15. Date T.D. Reached

6/9/2003

16. Date Completed

☐ Drilled ☒ Ready to Prod.

7/29/2003

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

5845 RKB

18. Total Depth: MD  
TVD

2196

19. Plug Back T.D.: MD  
TVD

2149

20. Depth Bridge Plug Set: MD  
TVD

None

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
8 3/4	7" / J55	20	Surface	138	None	61 sx-Class B 3% CaCl	12.8	surface	None
6 1/4	4 1/2" / J55	10.5	Surface	2196	None	260 sx-Premium Lite High	98.7	300 ft*	None
						Strength Class B			*-from temp survey'

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"	2066	None						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Fruitland Coal	1980	2095	1980 - 2047	.34"	90	
B)			2068 - 2095	.34"	69	
C)						
D)						

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

Depth Interval	Amount and Type of Material
1980 - 2047	500 Gal 15% HCl Acid, 62,000 Gal Delta Frac, 132,000 lbs. 20/40 Mesh Sand
2068 - 2095	500 Gal 15% HCl Acid, 48,000 Gal Delta Frac, 102,000 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
7/29/2003	7/29/2003	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	410	→		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)

NMOCDD

ACCEPTED FOR RECORD

AUG 05 2003

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
Fruitland Pictured Cliffs	1840 2098	2098 2196	Coal, sandstone, natural gas Sandstone, natural gas	Ojo Alamo Kirtland Fruitland Pictured Cliffs	1196 1315 1840 2098

## 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)\*

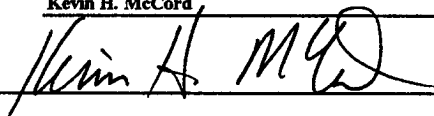
Name (please print)

Kevin H. McCord

Title

Petroleum Engineer

Signature



Date

7/29/2003

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 #9G**

1330 FNL & 1685 FWL (NENW)  
SECTION 3, T27N, R8W  
SAN JUAN COUNTY, NEW MEXICO

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**COMPLETION REPORT**

7/18/03 Installed frac valve and rigged up flowback lines. Pressure tested casing to 3000 psi, held OK. Wait on frac.

7/19/03 Wait on frac.

7/20/03 Wait on frac.

7/21/03 Wait on frac.

7/22/03 Rigged up Blue Jet Wireline Service. Run GR-CLL from corrected PBTD of 2149 ft to 1600 ft. Perforated the basal Fruitland Coal interval with 3 1/8" casing gun at 3 JSPF as follows:

2068 - 2072	4 ft	12 holes	.34" diameter
2076 - 2095	19 ft	57 holes	.34" diameter
Total	23 ft	69 holes	

Rigged up Halliburton. Fracture Stimulated the Fruitland Coal interval down the casing with 20# Delta 140 & Sand Wedge system as follows:

500 gals of 15% HCl acid spearhead	
14,000 gals of 20# Delta Frac 140 pad	40 bpm @ 1000 psi
3,700 gals of 20# Delta Frac 140 w/1 ppg sand	40 bpm @ 1100 psi*

\* - Halliburton had problems with their blender and pumped an 8 ppg slug of sand down the casing that screened off the frac to 3200 psi. Tried several times, but could not pump back into perforations. Suspect the perforations are covered with sand. ISIP was 950 psi, decreasing to 350 psi after 15 minutes. Pumped a total of 444 barrels of fluid and 3700 lbs of sand into well. Shut well in. Shut down for the night.

7/23/03 Wait on completion rig.

7/24/03 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 2025 ft (43 ft of sand fill above top perforation). Circulated 124 ft of sand from hole to PBTD of 2149 ft. Tripped tubing out of hole. Shut down for the night.

7/25/03

Rigged up Halliburton. Fracture stimulated the basal Fruitland Coal interval down the casing with 48,000 gallons of 20# Delta 140 & Sand Wedge system containing 102,000 lbs of 20/40 Brady sand as follows:

500 gals of 15% HCl acid spearhead	
14,000 gals of 20# Delta Frac 140 pad	40 bpm @ 2100 psi
5,000 gals of 20# Delta Frac 140 w/1 ppg sand	40 bpm @ 1900 psi
8,000 gals of 20# Delta Frac 140 w/2 ppg sand	41 bpm @ 1600 psi
8,000 gals of 20# Delta Frac 140 w/3 ppg sand	41 bpm @ 1100 psi
8,000 gals of 20# Delta Frac 140 w/4 ppg sand	40 bpm @ 1100 psi
5,000 gals of 20# Delta Frac 140 w/5 ppg sand	40 bpm @ 1000 psi
1,380 gals of 20# Water Frac G flush	21 bpm @ 900 psi

ISIP was 700 psi, decreasing to 600 psi after 15 minutes. Average rate was 40 bpm. Average pressure was 1500 psi with maximum pressure of 2100 psi and minimum pressure of 900 psi. Set composite drillable bridge plug with wireline at 2065 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:

1980 - 1982	2 ft	6 holes	.34" diameter
1984 - 1987	3 ft	9 holes	.34" diameter
2000 - 2002	2 ft	6 holes	.34" diameter
2009 - 2024	15 ft	45 holes	.34" diameter
2037 - 2042	5 ft	15 holes	.34" diameter
2044 - 2047	3 ft	9 holes	.34" diameter
Total	30 ft	90 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 @ 1200 psi
7,000 gals of 20# Delta Frac 140 w/1 ppg sand	41 bpm @ 1250 psi
10,000 gals of 20# Delta Frac 140 w/2 ppg sand	41 bpm @ 1350 psi
10,000 gals of 20# Delta Frac 140 w/3 ppg sand	41 bpm @ 1400 psi
10,000 gals of 20# Delta Frac 140 w/4 ppg sand	41 bpm @ 1450 psi
7,000 gals of 20# Delta Frac 140 w/5 ppg sand	41 bpm @ 1450 psi
1,300 gals of 20# Water Frac G flush	30 bpm @ 1300 psi

ISIP was 1150 psi, decreasing to 550 psi after 15 minutes. Average rate was 41 bpm. Average pressure was 1350 psi with maximum pressure of 1500 psi and minimum pressure of 1200 psi. Approximate 2712 barrels of load fluid to recover. Shut well in. Shut down for the night.

7/26/03

Well did not have any pressure on it this morning. Trip in hole with bit on tubing. Tag sand fill at 1779 ft. Circulate 286 ft of sand out of hole to

bridge plug at 2065 ft. Sand circulated easily for the first 6 joints and then much harder for the last 3 joints. Had problems with power swivel and ran out of water to circulate. Pulled 7 joints of tubing out of hole. Shut well in shut down for the weekend.

7/27/03 Shut down, Sunday.

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7/28/03 Well did not have any pressure on it this morning. Circulate fill and drill composite bridge plug at 2065 ft. Perforations taking quite a bit of water. Circulate sand fill to 2091 ft and lose full circulation. Trip tubing and bit out of hole. Trip in hole with hydrostatic bailer. Clean 5 more feet of sand from hole to 2096 ft (1 ft below bottom perforation). Tripped tubing and bailer out of hole. Tripped production tubing halfway in hole. Shut down for the night.

7/29/03 Overnight pressures: tubing 410 psi, annulus 410 psi. Blew down tubing and annulus pressure. Killed well with 20 barrels of water. Trip remainder of 2 3/8" tubing production string in hole and landed as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	3.00	0 - 3
66 jts of 2 3/8" 4.7#/ft J55		
EUE yellow band tubing	2062.33	3 - 2065
1 seating nipple	<u>1.10</u>	2065 - 2066
	2066.43	

Rigged to swab. Made 5 swab runs and kicked the well off flowing. Annulus pressure was 410 psi when well started flowing. Well flowed through 2" open flowline remainder of day. Left well flowing to pit to clean up. Released rig. Job complete.