

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFOR APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No  
**SE 047039 -B**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

**BIMSON FEREDAL #3**

3. Address

**PO Box 168, Farmington, NM 87499**

3a. Phone No. (include area code)

**(505) 326-2659**

9. API Well No.

**30-045-33987-00S1**

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

At Surface **1970' FNL & 1475' FWL**

At top prod. interval reported below

At total depth

**Same**

10. Field and Pool, or Exploratory

**Fulcher Kutz Pictured Cliffs**

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

**SEC. 17 T28N, R10W**

12. County or Parish

**San Juan**

13. State

**NM**

14. Date Spudded

**5/14/2007**

15. Date T.D. Reached

**5/19/2007**

16. Date Completed

☐ D&A☐ Ready to Prod**8/5/2007**

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

**5918 GL**18. Total Depth: MD **2140**  
TVD19. Plug Back T.D.: MD **2075**  
TVD20. Depth Bridge Plug Set: MD **None**  
TVD

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

**Cased Hole Neutron - Gas Spectrum 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	139	None	70 sx- ClassG 2% CaCl	15.0	surface	
6 1/4	4 1/2" / J55	10.5	Surface	2136	None	240 sx - PRB-2 (Halliburton)	85.5	surface	

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"	1990	None						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Fulcher Kutz Pictured Cliffs	2008	2054	2008 - 2032	.41"	72	Open
B)			2042 - 2054	.41"	36	Open
C)						
D)						
E)						
F)						

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

Depth Interval	Amount and Type of Material
2008 - 2054	1500 Gal 7.5% HCl Acid, 62,000 Gal of 70Q foam gel system, 123,000 lbs. 20/40 Sand
2008 - 2054	7730 gal of Breaker Treatment and 732 gal of 2% KCL Water (ClayFix II Mixture)

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
			→		No Flow				
Choke Size	Tbg. Press.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
	0	0	→		No Flow			Shut in - waiting on RE-FRAC job	

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.	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)

NMOC

ACCEPTED FOR RECORD  
FARMINGTON FIELD OFFICE  
BY **T. Salyers**

## 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 a RE-FRAC Job

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	1726 2008	2008	Coal, sandstone, natural gas Sandstone, natural gas	Ojo Alamo Kirtland Fruitland Pictured Cliffs	845 1012 1726 2008

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:      Cased Hole Neutron - GSL

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)

Habib J. Guerrero

Title

Engineer

Signature

Date

8/14/2007

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  
Bimson Federal No. 3  
1970' FNL & 1475' FWL  
Section 17, T28N, R10W  
San Juan County, NM  
API # 30-045 - 33987

PICTURED CLIFFS COMPLETION REPORT

7/16/07 Set frac tanks on location. Filled tanks with 2 % KCL water. Installed frac valve on casing. Pressure tested casing and frac valve to 3500 psi, held OK. Wait on further completion.

7/18/07 Rigged up Blue Jet Wireline Service. Run GR-CLL-CNL from corrected PBTD of 2065 ft to 800 ft. Perforated the Pictured Cliffs intervals at 3 JSPF as follows:

2008 - 2032	24 ft	72 holes	0.41" diameter
2042 - 2054	12 ft	36 holes	0.41" diameter
Total	36 ft	108 holes	0.41" diameter

7/20/07 Rigged up Halliburton frac crew. Broke down perforations at 2350 ft with 2 % KCL water. Shutdown and got an ISIP of 231 psi (0.55 FG). Acidized Pictured Cliffs intervals with 1500 gallons of 7 ½ % HCL acid containing 162 Bioballs at 10 bpm and 460 psi. Had very good ball action but never balled off. Shut down and allowed balls to fall and dissolve for 45 minutes. ISIP was 201 psi (0.53 FG). Fracture stimulated the Pictured Cliffs intervals with 62,000 gallons of 70 Quality Foam gel system containing 123,500 lbs of 20/40 sand as follows:

15,000 gals of 70Q Quality foam Pad	25 bpm @ 1050 psi	7,500 scf/min N2
12,000 gals of 70Q X-linked gel w/1 ppg sand	25 bpm @ 1050 psi	7,350 scf/min N2
12,000 gals of 70Q X-linked gel w/2 ppg sand	25 bpm @ 1000 psi	6,850 scf/min N2
10,000 gals of 70Q X-linked gel w/3 ppg sand	25 bpm @ 1000 psi	7,080 scf/min N2
8,000 gals of 70Q X-linked gel w/4 ppg sand	25 bpm @ 1050 psi	7,050 scf/min N2
5,000 gals of 70Q X-linked gel w/5 ppg sand	25 bpm @ 1350 psi	7,050 scf/min N2
1,350 gals of Foam flush	11 bpm @ 1200 psi	6,050 scf/min N2

During the 4 ppg stage, Halliburton lost control of the Gel Pro LGC resulting in a 60 cp linear gel. During this period of high viscosity, increased breaker rates and opened a water tank to the blender. Gel concentration decreased to 10 cp. Initial shut in pressure was 1200 psi, decreasing to 974 psi after 15 minutes. Average rate 25 bpm, average pressure 1150 psi. Maximum pressure 1350 psi, minimum pressure 1000 psi. Total Fluid pumped 580 bbls, Total nitrogen pumped was 548,000 scf. Shut down and shut in well overnight.

7/21/07 Overnight shut in pressures: annulus 850 psi. Opened well to flow to cleanup after frac. Well was flowing to pit at initial pressure of 850 psi and decreased to 0 psi in 45 minutes through a 16/64" choke, unloading very low to almost no sand or fluid. Shut in well and shut down overnight.

7/22/07 Overnight shut in pressures: annulus 0 psi. Well did not build pressure.

7/23/07 Overnight shut in pressures: annulus was on vacuum. Moved in and rigged up JC Well Service completion rig. Nipple down frac valve. Nipple up wellhead and BOP. Pick up 2 3/8" tubing. Tagged fill at 1936 ft (72 feet above top perf). Rigged up air package. Circulated 139 ft of sand fill to PBTD 2075 ft. Circulated on bottom with air to clean up well. Well unloaded low to medium sand, no fluids. Pulled tubing above the perforations. Shut in well and shut down for the night.

7/24/07 Overnight shut in pressures: tubing 0 psi, annulus 0 psi. Tripped in the hole with tubing and tagged fill at 2074 ft (1 ft of fill). Landed production tubing as follow:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
GL to landing point	4.00	0 - 4
2 3/8" subs (10ft, 4ft, 2ft)	16.00	4 - 20
64 jts of 2 3/8" 4.7#/ft J55 EUE		
Yellowband tubing	2034.24	20 - 2054
1 seating nipple	1.10	2054 - 2055
1 tail joint of 2 3/8" tubing	15.00	2055 - 2070
	<u>2070.34</u>	

Nipple down BOP, nipple up wellhead. Rigged down and released JC Well Services and air package. Moved in and rigged up Key completion rig. Shut in well and shut down overnight.

- 7/25/07 Overnight shut in pressures: tubing 0 psi, annulus 0 psi. Rigged up to swab. Found initial fluid level at 1997 ft (57 ft above the seat nipple). Made a total of 6 swab runs. During the first 5 swab runs, well was on a vacuum, recovered approximately 2 to 3 bbls of fluid. Swab cups were full of sand. On last run found fluid level at 1942 ft (112 ft above the seat nipple) and annulus pressure was 30 psi. Sand line got stuck. Cut sand line. Nipple up BOP. Pulled one joint out of the hole. Went back in the hole and tagged fill at 2044 ft. Pulled tubing above the perforations. Secure well. Shut in and shut down overnight.
- 7/26/07 Overnight shut in pressures: tubing 0 psi, annulus 10 psi. Tripped in the hole with tubing. Tagged fill at 2044 ft. Rigged up air package. Circulated and cleaned to 2069 ft. Circulated on bottom with air to clean up well. Well unloaded medium to heavy sand, no fluids. Pulled tubing above the perforations. Shut in well and shut down for the night.
- 7/27/07 Overnight shut in pressures: tubing 0 psi, annulus 10 psi. Blew Well down. Tripped in the hole with tubing. Rigged up air package. Circulated and cleaned to PBTD 2075 ft. Tripped in the hole with tubing. Landed production tubing at 2053 ft. Rigged up to swab. Found initial fluid level at 2028 ft (10 ft above the seat nipple). Made a total of 5 swab runs. Well unloaded medium to heavy sand, no fluids. Shut in well and shut down for the night.
- 7/28/07 Overnight shut in pressures: tubing 0 psi, annulus 10 psi. Blew well down. Rigged up air package. Rigged up to swab. Circulated and cleaned with air down the backside during the day. Circulated and cleaned to 2069 ft. Well unloaded heavy sand, no fluids. Rigged down and released air unit. Shut in well and shut down for the weekend.
- 7/30/07 Overnight shut in pressures: tubing 0 psi, annulus 0 psi. Rigged up to swab. Made a total of 3 swab runs. Recovered no fluid. Rigged down and moved rig to Bimson Federal #1G. Shut in well and shut down. Wait on Halliburton breaker treatment design.
- 8/01/07 Overnight shut in pressures: tubing 0 psi, annulus 0 psi. Tripped in the hole with 2 3/8 tubing. Tagged fill at 2049 ft (5 ft of perfs covered). Tripped out of the hole with tubing. Secure well. Shut in and shut down overnight.

- 8/02/07 Overnight shut in pressures: tubing 0 psi, annulus 0 psi. Tripped in the hole with packer on 2 3/8 tubing. Set Packer at 1868 ft (140 ft above the perfs). Rigged up Halliburton. Pumped treatment consisted of 7730 gallons of Breaker treatment and 732 gallons of 2 % KCL water (ClayFix II Mixture). Average rate was 2 bpm, Final pressure -6 psi, well on vacuum. Total Fluid pumped 201 bbls. Secure well. Shut in and shut down overnight.
- 8/03/07 Overnight shut in pressures: tubing 0 psi, annulus -10 psi. Well was on vacuum. Released packer. Tripped out the hole with packer. Tripped in the hole with tubing. Landed tubing above the perfs. Secure well. Shut in and shut down over the weekend.
- 8/05/07 Overnight shut in pressures: tubing 0 psi, annulus 0 psi. Nipple down BOP. Rigged down and released Key completion rig. Shut in well and shut down. Wait on Halliburton to schedule next treatment or possible re-frac job.