

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991
5. LEASE DESIGNATION AND SERIAL NO.
SF-078214

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other
b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other

7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME, WELL NO.

2. NAME OF OPERATOR
Robert L. Bayless, Producer LLC

Arnie #1

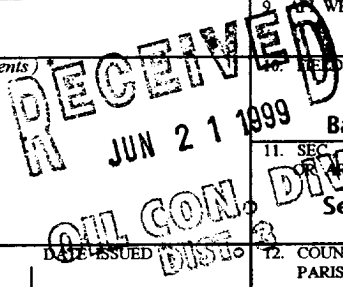
3. ADDRESS AND TELEPHONE NO.
P.O. Box 168 Farmington, NM 87499-168 (505) 326-2659

9. WELL NO.
30-045-29667

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface
1005 FNL & 1520 FEL
At top prod. interval reported below

At total depth

10. FIELD AND POOL, OR WILDCAT
Basin Fruitland Coal
11. SECTION, R., M., OR BLOCK AND SURVEY OR AREA
Sec. 33, T30N R13W



14. PERMIT NO. DATE ISSUED
12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

15. DATE SPUNDED **5/5/1999** 16. DATE T.D. REACHED **5/11/1999** 17. DATE COMPL. (Ready to prod.) **6/14/1999** 18. ELEVATIONS (DF, RKB, RT, FE, ETC.) * **5512 GR** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **1625 Ft** 21. PLUG, BACK T.D., MD & TVD **1551 Ft** 22. IF MULTIPLE COMPL., HOW MANY * 23. INTERVALS DRILLED BY ROTARY TOOLS **XX** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) * **1368 - 1384 Fruitland Coal** 25. WAS DIRECTIONAL SURVEY MADE **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN **Dual Induction - GR - Density** 27. WAS WELL CORED **No**

28. CASING RECORD (Report all strings set in well)

CASING SIZE/ GRADE	WEIGHT. LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
7"	23 #/Ft	138 Ft	8 3/4"	60sx (71 ft3) Class B W/4% CaCl, Cement Circulated	
4 1/2"	10.5 #/Ft	1601 Ft	6 1/4"	85sx (175 ft3) Class B W/2% Econolite, tailed with	
				80sx (94 ft3) Class B, Cement Circulated	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					2 3/8"	1379 Ft	None

30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					2 3/8"	1379 Ft	None

31. PERFORATION RECORD (Interval, size and number)
1368 - 1384 with 64 - .34" diameter holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1368 - 1384	1,000 gal 15% HCl acid
	35,800 gal 70 quality foam, 87,000 Lbs 20/40 sand

33. PRODUCTION

DATE OF FIRST PRODUCTION **6/14/1999** PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) **Flowing** WELL STATUS (Producing or shut-in) **Shut-in**

DATE OF TEST **6/14/1999** HOURS TESTED **3 Hrs.** CHOKE SIZE **3/4"** PROD'N. FOR TEST PERIOD **No flow** OIL - BBL. **No flow** GAS - MCF. **No flow** WATER - BBL. **No flow** GAS - OIL RATIO

FLOW. TUBING PRESS. **0 psi** CASING PRESSURE **230 psi** CALCULATED 24-HOUR RATE **No flow** OIL - BBL. **No flow** GAS - MCF. **No flow** WATER - BBL. **No flow** OIL GRAVITY - API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Shut-in waiting on gas connection** TEST WITNESSED BY **David Ball**

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED **[Signature]** TITLE **Petroleum Engineer** DATE **6/14/99**

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones or 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):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Kirtland Shale	behind surface pipe		Sandstone, shale, siltstone			
Fruitland	1104	1406	Sandstone, siltstone, shale Coal, natural gas & water		behind surface pipe	1104
Pictured Cliffs	1406	TD	Sandstone	Pictured Cliffs	1406	1406

ROBERT L. BAYLESS
ARNIE #1

1005 FNL & 1520 FEL (NWNE)
SECTION 33, T30N R13W

COMPLETION REPORT

6-7-99 Rigged up Dowell and pressure tested casing to 3000 psi, held OK. Rigged up Blue Jet Wireline services. Ran GR-CLL from corrected PBTD of 1551 ft RKB to 1100 ft. Perforated the Fruitland Coal interval with 3 1/8" casing gun at 4 JSPF as follows:

1368 - 1384 ft 16 ft 64 holes .34" diameter

Pumped 500 gallons of 15% HCl acid (4.8 BPM @ 650 psi) into perforations, then fracture stimulated the Fruitland Coal interval with 9,250 gallons of 70 quality foam using Clearfrac fluid containing 8,500 lbs of 20-40 mesh Arizona sand as follows:

5,000 gals of 70 qual foam pad 15 BPM @ 1500 psi
*4,250 gals of 70 qual foam with 2 ppg 20-40 sand 15 BPM @ 1500 - 3000 psi

* Well screened off with 8,500 lbs of sand in wellbore. Flowed well back several times trying to pump frac again, not successful. Blow down well and shut in. Wait on rig to clean out sand.

6-8-99 Move in and rig up JC Well Service completion rig. Nipple up wellhead. Nipple up BOP. Pick up 2 3/8" tubing. Tag sand fill in well at 1445 ft RKB (61 ft below perforations). Circulate 106 ft of sand from well to PBTD. Trip tubing out of hole, laying down on float. Nipple down BOP. Nipple down wellhead. Wait on frac crew for re-frac of well.

6-9-99 Wait on frac crew.

6-10-99 Wait on frac crew.

6-11-99 Rigged up Dowell. Pumped 500 gallons of 15% HCL acid into perforations at 4.8 BPM @ 950 - 1100 psi. Re-fracture stimulated the Fruitland Coal interval down the casing with 26,550 gallons of 70 quality foam using 30# X-linked borate gelled fluid containing 77,750 lbs of 20-40 mesh Arizona sand as follows:

5,000 gals of 70 qual foam pad 20 BPM @ 1800 psi
5,000 gals of 70 qual foam with 2 ppg 20-40 sand 20 BPM @ 1700 psi
15,000 gals of 70 qual foam with 4 ppg 20-40 sand 20 BPM @ 1800-2500 psi
* 1,550 gals of 70 qual foam with 5 ppg 20-40 sand 20 BPM @ 2500-3500 psi

* - Well screened off to 3500 psi at this point, not able to flush casing. Estimate 74,000 lbs of sand in formation.

ISIP = 3500 psi decreasing to 3200 psi after 15 minutes. All water contained 2% KCL, ½ gal/1000 clay stabilization agent, and bactericide. Average rate 20 BPM, average pressure 2000 psi, maximum pressure 3500 psi, minimum pressure 1600 psi, average nitrogen rate 6000 scfm, total nitrogen pumped 230,800 scf, total fluid to recover 220 bbls. Shut well in for 3 hours. Blow well back to pit through a 1/4" inline choke. Well flowing to cleanup with drywatch. Shut down for the night.

6-12-99 Well flowed foamy water with some sand for 6 hours, then died. Move in and rig up JC Well Service completion rig. Nipple up wellhead. Nipple up BOP. Pick up 2 3/8" tubing. Tag sand fill in well at 1385 ft RKB (1 ft below bottom perforation). Sand in wellbore stuck tubing. Worked tubing free and pulled up hole to 1360 ft. Circulated sand and fluid to PBTD of 1551 ft. Saw some heavy gel carrying sand while cleaning out wellbore. Move tubing up hole and landed as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	3.00	0-3
42 jts of 2 3/8" 4.7#/ft J55 EUE yellow band used tubing	1342.28	3-1345
1 seating nipple	1.10	1345-1346
1 jt of used tubing	<u>32.90</u>	1346-1379
	1379.28	

Nipple down BOP and nipple up wellhead. Rigged to swab. Made approximately 25 swab runs and well kicked off flowing slightly. Casing pressure built to 70 psi, then dropped to 0 psi. Well stopped making fluid on further swab runs. Shut well in to build pressure over the weekend.

6-13-99 Well shut in to build pressure.

6-14-99 Well built pressure to 290 psi on annulus. Blew tubing pressure down immediately. Rigged to swab. Made 2 swab runs (fluid level at 350 ft from surface) and kicked well off flowing. Well flowing through ¼ " choke to clean up for AOF. Rigged down and released rig. End of Report.