

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
MAIL ROOM

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS - 1 PM 12:51

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

FARMINGTON, NM

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. NM-020498-A
2. Name of Operator Robert L. Bayless	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. P.O. Box 168 Farmington, New Mexico 87499 (505) 326-2659	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1190' FNL & 1055' FWL Section 15, T 28 N, R 11 W	8. Well Name and No. Horn Canyon #1
	9. API Well No. 30-045-29266
	10. Field and Pool, or Exploratory Area Fulcher Kutz PC
	11. County or Parish, State San Juan, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Fruitland Completion</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Please see attached report.

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JAN 12 1995  
OIL CON. DIV.  
38163

14. I hereby certify that the foregoing is true and correct

Signed Kevin H. McCord Title Petroleum Engineer Date 11/29/95

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_

Conditions of approval, if any: \_\_\_\_\_

ACCEPTED FOR RECORD

DEC 04 1995

Title 18 U.S.C. Section 1001, makes 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.

\*See Instructions on Reverse Side

FARMINGTON DISTRICT OFFICE  
BY ben

ROBERT L. BAYLESS  
 HORN CANYON #1  
 1190 FNL & 1055 FWL  
 NWNW, SECTION 15, T28N R11W  
 SAN JUAN COUNTY, NEW MEXICO

FRUITLAND SAND COMPLETION REPORT

11-21-95

Move in and rig up Polanco Brothers Rig #4. Blow down well. Nipple down wellhead and nipple up BOP. Tag sand fill in well at 1585 ft. Tried to clean out sand using pipeline gas, too much fluid in line for this to work. Trip 2 3/8" tubing out of hole. Pick up sand bailer on tubing and trip in hole. Clean out 4 more feet of sand fill to 1589 ft. Trip tubing and bailer out of hole. Rig up Bluejet wireline. Set wireline set retrievable bridgeplug at 1500 ft RKB. Dump 10 gallons of sand on top of bridgeplug using wireline dump bailer. Rig up BJ Services pump truck. Filled hole with fluid and pressure tested casing and plug to 3000 psi. Held OK for 5 minutes. Perforated the Fruitland Sand interval with 3 1/8" casing gun at 4 JSPF as follows:

1322 - 1324 ft	2 ft	8 holes	
1332 - 1339 ft	<u>7 ft</u>	<u>28 holes</u>	
Total	9 ft	36 holes	.34" diameter

Broke down perforations at 3000 psi. Established an injection rate into perforations of 6.2 BPM @ 930 psi, ISIP = 300 psi (FG = 0.66). Acidize Fruitland Sand interval with 500 gallons of 7.5% DI weighted HCL acid containing 54 1.1 sg RCN ball sealers. Balled off casing to 3000 psi. Bled off pressure downhole several times. Established injection after acid job of 6.2 BPM @ 900 psi, ISIP = 590 psi (FG = 0.88). Ran wireline junk basket and recovered 53 ball sealers. Fracture stimulated the Fruitland Sand interval with 12,750 gallons of 70 quality foam in 20# guar gelled water with 16,250 pounds of 12-20 mesh sand proppant as follows:

5,000 gals 70 qual foam pad	25 BPM @ 1250 psi
2,000 gals 70 qual 1 ppg 12-20 sand	30 BPM @ 1500 psi
3,000 gals 70 qual 2 ppg 12-20 sand	29 BPM @ 1600 psi
*2,750 gals 70 qual 3 ppg 12-20 sand	28 BPM @ 1750-2900 psi

\* - Well screened off at this point - designed frac job was 18,000 gals of foamed fluid containing 36,000 lbs of sand (approximate sand in formation is 13,000 lbs.)

ISIP = 2900 psi decreasing to 2750 psi after 5 minutes. All water contained 2% KCL and 1/2 gal/1000 clay stabilization agent. Average rate 28 BPM, average pressure 1500 psi, maximum pressure 2900 psi, minimum pressure 1100 psi. Average nitrogen rate 7,000 scfm, total nitrogen pumped 90,000 scf. Total fluid to recover 200 bbls. Attempted to flow back well to frac again. Washed out casing frac valve with sand. BOP would not close due to sand. Shut well in using BJ Services' gate valve. Let well flow to pit through leaking casing frac valve. Shut down for the night.

11-22-95

Casing frac valve sanded off during the night. Well had 1000 psi pressure. Open well to flow to the pit. Tried to kill well several times to no avail, well kept flowing burnable gas. Trip in hole with tubing while well was flowing. Tagged sand fill at 1338 ft RKB (perforations almost free of sand fill. Trip tubing out of hole. Trip in hole with tubing

and hydrostatic bailer. Tried to cleanout sand fill, but could only clean out 2 ft to 1340 ft RKB. Trip out of hole with tubing and hydrostatic bailer. Trip in hole with tubing and landed as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	3.60	0-4
41 jts of 2 3/8" 4.7#/ft J55		
EUE yellowband used tubing	1290.43	4-1294
1 seating nipple	1.00	1294-1295
1 jt of 2 3/8" tubing	32.43	1295-1327
1 sawtooth collar	<u>.50</u>	1327-1328
	1327.96	

Nipple down BOP. Nipple up wellhead. Well had built pressure to 230 psi on tubing and 350 psi on annulus during a 30 minute shutin. Opened well to flow to the pit through a 1/2" tapped bullplug. Well flowing to pit to cleanup for AOF.

11-23-95 Well flowing to cleanup for AOF.

11-24-95 Well flowing through a 1/2" tapped bullplug with 80 psi flowing pressure on tubing and 160 psi flowing pressure on annulus. Released rig. Shut-in well for 7 day buildup for AOF.