

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
**J. Gregory Merrion & Robert L. Bayless**

3. ADDRESS OF OPERATOR  
**P.O. Box 1541, Farmington, NM 87401**

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: **1840 FSL and 1840 FWL**  
AT TOP PROD. INTERVAL: **same**  
AT TOTAL DEPTH: **same**

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:                      SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON\*

(other)

5. LEASE  
**NM 12235**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Southland**

9. WELL NO.  
**1**

10. FIELD OR WILDCAT NAME  
**WAW Fruitland Pic. Cliffs**

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA  
**Sec. 3, T26N, R13W**

12. COUNTY OR PARISH      13. STATE  
**San Juan**                      **N.M.**

14. API NO.  
**Not Available**

15. ELEVATIONS (SHOW DEPTHS OF KDB, AND WD)  
**6180 ft. G.R.**

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. 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.)\*

06-12-79 Ran sinker bar to bottom and depthometered out. **PBTD @ 1363 ft. GR.**  
Ran Gamma Ray Collar and Cement Bond log. Bond indicated good Swab well dry, loaded casing with 15% HCL and swabbed right back. Spotted 260 ft. of fresh water on bottom. Run in with perforating gun. Hung up @ 1150 ft. Pulled free and came back out. Left eight 2-1/8" glass jets in the hole. Rig up, run sinker bar and tagged tight spot est. 1150 ft. Unable to push down. Trip out. Preparing to run tubing to clean out.

06-13-79 Run tungsten carbide bit on 1-1/4" EUE tubing to **1351 ft. GR (New PBTD).**  
Did not find any tight spots. Trip out. Rig up Blue Jet: shot 1325-1329 ft. per correlation log with 2 PF 2-1/8" glass jets. Swab well in. Making 200 MCF/day on 1/2" plate. SIP @ 12 minutes 198 PSIG. Left blowing to clean up.

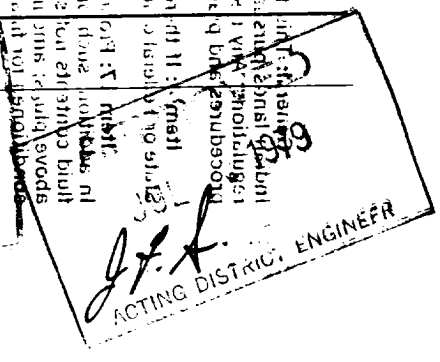
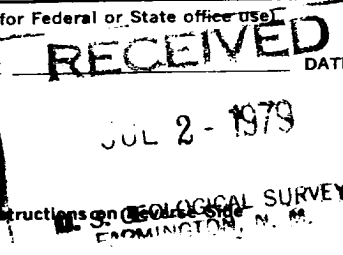
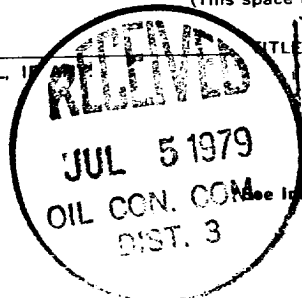
(Continued)

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED *Robert L. Bayless* TITLE Co-Owner DATE June 29, 1979

(This space for Federal or State office use)  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL \_\_\_\_\_



*NYMOCC*

- 06-14-79 Well flowing 180 MCF/day on 1/2" plate. Rig up Western, frac Pictured Cliffs with 2500 lbs. 20/40 sand, 3800 gallons 1% KCL water @ 6 BPM and 800 PSIG. Breakdown @ 2200 PSIG. ISDP 400 PSIG on vacuum in 30 seconds. Trip in with Baker Model "C" retrievable bridge plug to 1276 ft. GR; unable to get deeper. Released bridge plug and trip out 1-1/4" tubing. Rig up Blue Jet. Perfed Fruitland 1254-58 ft. with 2-1/8" with 2 PF, 8 holes. Swab well down. Test natural 8 MCF/day on 1/8" plate. Left flowing overnight.
- 06-15-79 Rig up Western and Newsco to foam frac Fruitland. Start foam pad, unable to break down @ 3500 PSIG. Blew back foam. Load hole with water and break down. Start foam pad @ 15 BPM and 2900 PSIG. Dropping to 2700 PSIG through pad. Started sand at 1 pound per gallon and sanded off when sand on formation. Blew well back and cleaned out sand. Ran sinker bar; found PBSD @ 1259 ft. GR. Fill to bottom of perms. Spear-headed 150 gal. 15% HCL and displaced half out perms. Shut down for one hour. Start water pumping in @ 45 BPM @ 1650 PSIG. Start frac and pumping pad @ 2400 PSIG. Sanded off again. Blew well back to clean out sand. Run 1-1/4" EUE tubing to 1246 ft. Spotted 200 gal. of 15% HCL. Well on vacuum. Started out with tubing. Well blowing back fresh water, no acid. Pulled up to 900 ft. Tried to go back down; couldn't. Stacked out tubing @ 895 ft.; pulled up to 800 ft. Shut in back side. Left blowing overnight.
- 06-16-79 Well making slight blow natural gas. Run back in with 1-1/4" EUE tubing. Tag sand @ 1240 ft. Reverse out and clean to 1270 ft. with water. Spot 200 gal. 15% HCL @ 1270 ft. Trip out with 1-1/4" EUE tubing. Rig up Go International. Re-shoot 1254-58 ft. with 2 PF 2-1/8" glass jets. Rig up to frac. Frac Fruitland with 87 bbls. water 2% KCL, 234,300 SCF N<sub>2</sub>, 15,000 lbs. 20/40 sand. Average treating pressure 2550 PSIG, ISDP 1800 PSIG. Shut in.
- 06-18-79 Well blowing est. 20-25 MCF/day. Slugging frac water. Run sinker bar and found PBSD @ 1258 ft. GR. Run 1-1/4" EUE tubing with retrieving head and circulated down to 1265 ft. GR; lost reverse circulation. Trip out with 1-1/4" tubing and unplugged tubing. Trip in and circulated down on bridge plug. Unable to pull free because of metal failure in derrick. Shut down for rig repairs.
- 06-19-79 Waiting for rig.
- 06-20-79 Trip out with tubing and bridge plug. Run sinker bar, found fill @ 1304 ft. Swab Fruitland in, making est. 100 MCF/day. Run in with tubing and clean out with well gas to 1351 ft. G.R. Pulled up to 1300 ft. and left well blowing to clean up. Making est. 180 MCF/day and heavy spray water with frac sand.

Southland #1  
Sundry Notice  
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- 06-21-79 Ran in hole with 1-1/4" tubing to plug-back depth to clean out sand, shale and coal chunks. Landed tubing at 1275 ft.. Tested well 150 MCF/day.
- 06-22-79 Blowing 150 MCF/day with slight mist. Left blowing.
- 06-23-79 Move 1-1/4" tubing down and landed @ 1239 ft. GR. Well making 150 MCF/day. Shut in.
- 06-25-79 Shut in.
- 06-26-79 SIP 200 PSIG; blow well down; making 150 MCF/day gas with slight mist.
- 06-27-79 Well blowing 180 MCF/day, with mist of salty water. Ran Baker invertible packer and set @ 1280 ft. Shut in Fruitland, left Pictured Cliffs blowing.
- 06-28-79 Pictured Cliffs making 140 MCF/day. SIP Fruitland - 80 PSIG. Fruitland making 8 MCF/day after blow down. Trip packer and re-run siphon string. Shut in; release rig.