

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

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 "APPLICATION FOR PERMIT" for such proposals.)

|                                                                                                                                                             |  |                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER                                                                     |  | 7. UNIT AGREEMENT NAME                                              |
| 2. NAME OF OPERATOR<br>Jerome P. McHugh                                                                                                                     |  | 8. FARM OR LEASE NAME<br>Bengal A                                   |
| 3. ADDRESS OF OPERATOR<br>Box 234, Farmington, NM 87401                                                                                                     |  | 9. WELL NO.<br>#4                                                   |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)<br>At surface<br>790' FNL - 1850' FWL |  | 10. FIELD AND POOL, OR WILDCAT<br>South Gallegos Fruitland          |
| 14. PERMIT NO.                                                                                                                                              |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec 1 T26N R12W |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>5987' GR                                                                                                  |  | 12. COUNTY OR PARISH<br>San Juan                                    |
|                                                                                                                                                             |  | 13. STATE<br>NM                                                     |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

|                     |                      |                       |                 |
|---------------------|----------------------|-----------------------|-----------------|
| TEST WATER SHUT-OFF | PULL OR ALTER CASING | WATER SHUT-OFF        | REPAIRING WELL  |
| FRACTURE TREAT      | MULTIPLE COMPLETION  | FRACTURE TREATMENT    | ALTERING CASING |
| SHOOT OR ACIDIZE    | ABANDON              | SHOOTING OR ACIDIZING | ABANDONMENT*    |
| REPAIR WELL         | CHANGE PLANS         | (Other)               |                 |
| (Other)             |                      |                       |                 |

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

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.)

Please note the different dates for the work performed than the dates given on the Sundry Notice filed 1-3-79:

8-22-78 Moved in and rigged up FWS swabbing unit. GO Wireline ran cement bond log. No cement bond around bottom of 2-7/8" csg. Prepare to squeeze through bottom of 2-7/8" csg before perforating.

11-2-78 Rigged up BJ Hughes and pumped 12 bbls water with 3-1/2 bbls in - 1375 psi. Broke down. Pumped remaining water @ 1000 psi. Pumped 10 sx cement (class "B"). Worked lines and dropped plug. Bumped plug w/1925 psi. Released to 750 psi. Shut in. POB 10:30 a.m. 11-2-78.

(over)

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

SIGNED Jim L. Jacobs

TITLE Geologist

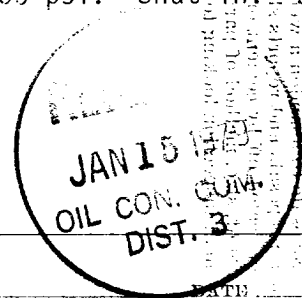
DATE 1-11-79

(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE



## Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations, when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

U.S. GOVERNMENT PRINTING OFFICE: 1983-O-685229

847-485

11-7-78

Rigged up FWS swabbing unit. Blue Jet ran Gamma Ray correlation and collar logs. Swabbed csg down to 900'. Perforated w/1 2-1/8" glass jet per foot 1290-1295' (5 holes) and two 2-1/8" glass jets per foot 1276-1279' (6 holes). Swabbed well down. No show gas. Allied Service acidized well w/250 gals 15% HCl req. acid. Breakdown pressure 1750 psi back to 750 psi. Dropped 8 ball sealers in acid (no ball action). Treating press @ 950 psi @ 2 B/M at end of job. Swabbed well down. Very slight show gas.

12-29-78

Western Co. frac'd Fruitland formation. Started frac. - pumping 17 B/M - 2900 psi. Shut down. Spearheaded with 200 gal 15% HCl. When acid hit press broke. Established IR at 20 B/M 2300 psi. Ran 50 bbls pad and 50 bbls at 1/2# per gal. increased sand to 1 lb per gal. Whe 1 lb/gal hit fm well sanded off. Flowed well back, pumped on well to 5000 psi. Moving some fluid, flowed well back second time. Pumped on well. Pressure broke. Ran 200 gal 15% HCl - established IR 15 B/M @ 3000 psi. Started sand at 1/2 lbs/gal. Pumped 9 min at 1/2#/gal. Well sanded off. Shut down. Used total of 417 bbls water with 2-1/2 lbs FR-4 per 1000 gals, plus 4000 lbs 10-20 sand. Well open to atmosphere. Flowing back.