

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

14-20-603-2022  
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 type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Water Injection</b>                                                     |  | 5. LEASE DESIGNATION AND SERIAL NO.<br><b>14-08-0001-8200</b>                |
| 2. NAME OF OPERATOR<br><b>Atlantic Richfield Company</b>                                                                                                                                    |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br><b>Navajo - Ute Mtn.</b>             |
| 3. ADDRESS OF OPERATOR<br><b>Box 2197 Farmington, New Mexico</b>                                                                                                                            |  | 7. UNIT AGREEMENT NAME<br><b>Horseshoe Gallup Unit</b>                       |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br><b>1975' F31 &amp; 670' F31 (Unit 1) Sec. 13</b> |  | 8. FARM OR LEASE NAME<br><b>Horseshoe Gallup Unit</b>                        |
| 14. PERMIT NO.                                                                                                                                                                              |  | 9. WELL NO.<br><b>77</b>                                                     |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br><b>GR 5630', REB 5640'</b>                                                                                                                |  | 10. FIELD AND POOL, OR WILDCAT<br><b>Horseshoe Gallup</b>                    |
|                                                                                                                                                                                             |  | 11. SEC., T., R., OR BLK. AND SURVEY OR AREA<br><b>Sec. 13, T-21N, R-17E</b> |
|                                                                                                                                                                                             |  | 12. COUNTY OR PARISH 18. STATE<br><b>San Juan N.M.</b>                       |

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

| NOTICE OF INTENTION TO:                            |                                               | SUBSEQUENT REPORT OF:                          |                                          |
|----------------------------------------------------|-----------------------------------------------|------------------------------------------------|------------------------------------------|
| TEST WATER SHUT-OFF <input type="checkbox"/>       | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/>        | REPAIRING WELL <input type="checkbox"/>  |
| FRACTURE TREAT <input checked="" type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/>    | FRACTURE TREATMENT <input type="checkbox"/>    | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/>          | ABANDON* <input type="checkbox"/>             | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/>    |
| REPAIR WELL <input type="checkbox"/>               | CHANGE PLANS <input type="checkbox"/>         | (Other) <input type="checkbox"/>               |                                          |

(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.)\*

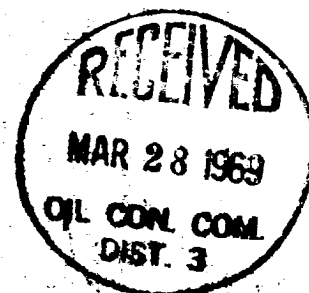
This Upper and Lower Gallup injection well is injecting only 180 BWPD. The low injection is hindering oil recovery in this area, particularly in lower zone (13 BWPD).

We propose to sand water fracture the well to stimulate injection. About 18,000 gal of sand will be used in about 20,000 gallons of water. Ball sealers will be used in an attempt to separate zones which are 1239-1243, 1341-1350, 1354-1358;

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U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.



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

SIGNED

*B. J. Sartain*

TITLE **Dir. & Prod. Supv.**

DATE **3/26/69**

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

## 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 special 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 setting 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.