

N. M. O. C. C. COPY  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSTANDARD INSTRUCTIONS  
FOR THE  
GEOLOGICAL SURVEYForm Approved  
Project Budget No. 42-R1424

5. HOLE DESIGNATION AND SERIAL NO.

11-18160  
20-023302-01

6. IF INDIAN, ALLOTMENT OR TRIBE NAME

## 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"/> WIW                                                           | 7. UNIT AGREEMENT NAME<br>East Shugart Unit                         |
| 2. NAME OF OPERATOR<br>Atlantic Richfield Company                                                                                                                              | 8. PART OR LEASE NAME<br>East Shugart Unit                          |
| 3. ADDRESS OF OPERATOR<br>P.O. Box 1978, Roswell, New Mexico 88201                                                                                                             | 9. WELL NO.                                                         |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.<br>See also space 17 below.)<br>At surface<br>2310' FNL, 2310' FWL (Unit Letter F) | 10. FIELD AND POC, OR WILDCAT<br>Shugart-Queen, Yates               |
| 14. PERMIT NO.                                                                                                                                                                 | 11. SEC. T, R, M, OR BLM, AND<br>TOWNSHIP OR AREA<br>34, T18S, R31E |
| 15. ELEVATIONS (Show whether BP, RT, GR, etc.)<br>3627' GR                                                                                                                     | 12. COUNTY OR PARISH<br>Eddy                                        |
|                                                                                                                                                                                | 13. STATE<br>N.M.                                                   |

|                                                                                                       |                                               |                                                        |                                          |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------------|------------------------------------------|
| 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 type="checkbox"/>                                                               | MULTIPLE COMPLETE <input type="checkbox"/>    | FRACTURE TREATMENT <input checked="" 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) Convert to dual WIW                            | X                                        |
| (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.)

Work started 8/27/69. Ran Cement Bond Log, indicated top of cement @ 2110'. Perf'd @ 2770-2771 w/four 1/2" JSPPF. Could not break circulation to surface. Perf'd 2070-2071 w/four 1/2" JSPPF. Set FBRC @ 1874', broke circulation w/70 BW. Set FBRC @ 1874'. Broke circ. between 7" csg & 8-5/8" annulus. Cmt'd 8-5/8" x 7" annulus w/550 sx salt saturated Cl. "C" cmt. Cmt circulated. Reverse circulated 30 sx. Obtained 1500# bradenhead squeeze. WOC 17 1/2 hrs. Found top of cmt @ 1934'. Drld soft cmt from 1934-1975'. WOC 24 hrs. Drld hard cmt from 1975-2075'. Reset BP @ 2450'. Tstd 7" csg to 1000', OK. Perf'd 3315, 3319, 3406, 3417, 3421, 3507, 3515, 3629, 3634, 3809 & 3811. Trtd perfs 3315-3811 w/1000 gal 15% HCl LSTNE acid. Trtd perfs 3315-3634 w/1000 gal 15% HCl LSTNE acid & ball sealers. Frac'd perfs 3315-3634 w/ 25,000# 20/40 sd & 30,000 gal slick fresh wtr. Perf'd 2621, 2626, 2640, 2645, 2696, 2707, 2752, 2758 & 2770 w/1/2" JS ea. Trtd perfs 2621-2770 w/1000 gal 15% HCl LSTNE acid & ball sealers. Frac'd perfs 2621-2770 w/35,000# 20/40 sd in 35,000 gal slick fresh wtr & 2 ball sealers. Ran 2 strings of 2-3/8" tbg w/long string set in 415-D pkr @ 2820' and short string in dual pkr @ 2580'. Loaded annulus w/trtd fresh water & started water injection. Work complete 9/5/69.

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

SIGNED A. D. DutcherTITLE Dist. Drllg. Supervisor DATE 9-11-69

(This space for Federal or State Office use)

APPROVED BY [Signature]  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

\*MATERIALS ENGINEER

SEP 15 1969

RECEIVED

\*See Instructions on Reverse Side

SEP 16 1969

O. C. C.  
ARTESIA, OFFICE