

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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 ☐ gas ☐ other ☒ WIW
2. NAME OF OPERATOR ARCO Oil & Gas Company
Division of Atlantic Richfield Company
3. ADDRESS OF OPERATOR
P. O. Box 1710, Hobbs, New Mexico 88240
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1650' FSL & 990' FWL
AT TOP PROD. INTERVAL: as above
AT TOTAL DEPTH: as above

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- 10191
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME RECEIVED
East Shugart Unit WF
8. FARM OR LEASE NAME FEB 05 1981
East Shugart Unit
9. WELL NO. O. C. D.
16 ARTESIA OFFICE
10. FIELD OR WILDCAT NAME
Shugart Yates 7R Qn Grbg
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
34-18S-31E Unit-L
12. COUNTY OR PARISH Eddy
13. STATE N M
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
3613' CTF

(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.)*

Rig up on 12/2/80. Installed BOP. POH w/inj assy. RIH w/ RBP, set BP @ 2825'. RIH w/pkr, set pkr @ 2793'. Test BP & tbg to 1500#, OK. Re-set pkr @ 2577'. Established inj rate into Yates perms 2634-2777' w/3 1/2 BPM @ 1000#. Circ out 8-5/8" csg annulus. Re-set pkr @ 1474', Tstd csg, circ out 8-5/8" csg. POH w/pkr. Re-set RBP @ 2572'. RIH w/pkr, set @ 1272', found csg leak above 62' from surf. Ran csg inspection log. Backed off 5 1/2" csg @ 99' from surf. RIH w/ 99' 5 1/2" OD 15.50# K-55 csg, screwed on to 5 1/2" OD 14# csg @ 99', installed new 8-5/8" csg head. Install 5 1/2" csg head & install BOP. Ran CBL, TOC @ 2230'. Perf'd 5 1/2" csg @ 890-891' w/2 JSPF. RIH w/cmt retr, set retr @ 831'. Pmpd 300 sx Cl C cmt, 10# salt, 100 sx Cl C cmt, 2% CaCl2, cleared perms w/ 15 BW. Pmpd 37 sx Cl C cmt cont'g 37 sx gel, 18.7 gals diesel/sx. POO cmt retr & POH w/tbg. WOC. Drld out cmt to 831'. RIH w/tbg, stung into retr @ 831'. Press to 1500#, bled off to 700# in 1 min. Pmpd thru cmt retr @ 831' w/5 bbls diesel, 42 sx Cl C cmt & 15 sx gel, 5 bbls diesel, 5 BW, 200 sx Cl C followed by 200 sx Cl C cmt cont'g 2% CaCl2.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Jerry W. Schmidt TITLE Dist. Drlg. Supt. DATE 1/24/81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE JAN 29 1981

CONDITIONS OF APPROVAL, IF ANY:

U.S. GEOLOGICAL SURVEY
DOWELL, NEW MEXICO

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.

WOC. Drld out cmt & cmt retr, run bit to 948'. Press test csg to 1000#, leaked to 350# in 5 mins. Re-set pkr @ 866'. Press tested csg to 1000#, established injection rate. Re-set pkr @ 706'. Squeeze cmt d perfs 890-891' w/70 sx Cl H cmt cont'g 6/10% Halad-4, 3/10% CFR2, 10# salt, 5# KCL & 10% Cal-seal. WOC. POH w/pkr. Drld out cmt, ran bit to 1100'. Press tested csg to 1000#, lost 250# in 30 mins. Re-set BP @ 2835', spot 2 sx sd on BP. Set pkr @ 2392'. Squeeze perfs 2634-2777' w/500 sx Cl H cmt cont'g 6% gel, 600 sx Cl H cmt w/3/10% CFR2, 3# salt, 10# sd/sx, 2% CaCl₂. POH w/ pkr. WOC. Drld out cmt to 2817'. RIH w/pkr, set @ 1147'. Press test squeeze job to 1000# lost 100# in 15 mins. Ran GR-CBL 2816' to surf. RIH w/ pkr, set pkr @ 2361'. Squeezed perfs 2634-2777' w/250 sx Cl H cmt cont'g 3/10% CFR2, 3# salt/sx, 2% CaCl₂. WOC. POH w/ pkr. Drill out cmt to 2624'. Run 3/4" Kobe tbg in 5 1/2"x8-5/8" csg annulus to 800'. Displ 175 sx Cl H cmt. POH w/ Kobe tbg. Drld cmt inside 5 1/2" csg 2624-2725', circ 2' sd @ 2815'. Pressure tested squeeze perfs 2634-2777' to 1000# for 30 mins, OK. Wash sd off BP, rec BP @ 2835'. Cleaned out hole to 3851'. RIH w/ FA pkr on 2-3/8" OD plastic lined tbg, circ 5 1/2"x2-3/8" annulus w/pkr fluid, set pkr @ 2850'. Acidized OH interval 2902-3892' w/5000 gals 15% NE-FE in 3 stages using 2-1000# blocks rock salt between stages. Connect up inj wellhead. In 24 hrs 1/13/81 inj 419 BW @ 1175# TP. Csg Press 0#. Returned to single injection well in Queen OH interval 2902-3892'.

FINAL REPORT.