

**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 ☐ 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: 990' FNL & 2310' FWL  
AT TOP PROD. INTERVAL:  
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 ☐ ☒ resume inj.
- PULL OR ALTER CASING ☐ ☐
- MULTIPLE COMPLETE ☐ ☐
- CHANGE ZONES ☐ ☐
- ABANDON\* ☐ ☒ Yates Zone only
- (other) ☐ ☐

5. LEASE  
N M- 10190
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME  
East Shugart Unit Waterflood
8. FARM OR LEASE NAME  
East Shugart Unit
9. WELL NO.  
6
10. FIELD OR WILDCAT NAME  
Shugart = Yates 7R Qn Grbg
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
35-18S-31E
12. COUNTY OR PARISH  
Eddy
13. STATE  
N M
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)

RECEIVED

JAN 15 1981

O. C. D.

ARTESIA, OFFICE

(NOTE: Report results of multiple completion or zone

RECEIVED

JAN 13 1981

U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

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 surface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

- Rigged up on 7/31/80. POH w/ dual tbg string & pkr. Install BOP. Set plug in pkr @ 2850'. Ran CBL, CCL, VDL surf-2839'. Spot 4 sx sd on top of plug @ 2850'.
- Set cmt retr @ 2595'. Squeezed Yates perms 2649-2817' w/ 200 sx Cl "C" w/3# salt/sk, 350 sx Cl "C" w/3# salt/sk & 150 sx Cl "C" w/3# salt, 5#sd/sk. No squeeze. Squeeze #2 pmpd 200 sx Cl "C", 6# salt/sk followed by 300 sx Cl "C" w/6# salt/sk, 3/10 of 1% CFR2. No squeeze. Squeeze #3 pmpd 250 sx Cl "H" cmt, 6% gel & 500 sx Cl H w/4% CaCl<sub>2</sub> & 250 sx Cl H w/4% CaCl<sub>2</sub>, 5# sd/sk. No squeeze. Squeeze #4. Pmpd 250 sx Cl "C" w/8% gel, 700 sx Cl "C" w/4% CaCl<sub>2</sub>, 5# gilsonite/sk, 125 sx Cl "C" w/6/10 of 1% Halad-9 & 2% CaCl<sub>2</sub>, spot 370 cmt on top of retr. WOC.
- RIH w/ bit, drld out cmt to 2587'.
- Perf'd @ 2220' w/2 JSPP. Set cmt retr @ 2156'. Pmpd 375 sx Cl "C" w/ 6/10 of 1% Halad-9 w/2% CaCl<sub>2</sub>. RO 6 sx. Ran temp survey. TOC @ 2110'. Perf'd @ 972' w/ 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 1/5/81

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

JAN 14 1981

U.S. GEOLOGICAL SURVEY  
POSWELL, NEW MEXICO

- 2 JSPF. RIH w/cmt retr, set retr @ 946'. Pmpd 200 sx HOWCO Lite cmt w/30# salt & 5# KCl/sk followed by 100 sx Cl "H" cmt w/ 4% KCl, circ cmt to surf, closed braden head & pmpd 150 sx cmt into form. WOC. Drld out cmt & cmt retr @ 946'. Press tested squeeze job to 750# for 30 mins. OK. Drld cmt retr @ 2156' & 64' cmt. Press tested squeeze perfs @ 2220' w/750# for 30 mins. OK. Drld cmt retr @ 2595'. Set pkr @ 2583', press tested squeeze job to 1600# for 30 mins. OK. Set pkr @ 2200', press to 1600#, dropped to 1300# in 10 mins. RIH w/ RBP & pkr, set RBP @ 2241', set pkr @ 2178', broke circ thru perfs @ 2220'. POH w/ pkr & RBP. RIH w/ cmt retr set @ 2177'. Pmpd 100 sx Cl "C" Cmt w/18% salt. No squeeze. Requeezed w/130 sx Cl "C" Cmt w/9% Salt, 2% CaCl<sub>2</sub>, ½# flo seal/sk. RO 4 sx. WOC. Drld out cmt & cmt retr @ 2177'. Press tested perfs @ 2220' w/1000# for 30 mins. OK. SI 19 hrs. Small wtr flow.
6. RIH w/pkr & RBP, set BP @ 2246', pkr @ 2182', spot acid on perfs @ 2220', unable to break dwn perfs w/3500#. POH w/pkr & BP. Perf'd csg w/2JSPF @ 2220'. RIH w/pkr, set @ 2182', established pump-in rate @ 2½ BPM @ 2300#. POH w/pkr. Set cmt retr @ 2180'. Squeezed perfs @ 2220' w/216 sx Cl "C" cmt w/2% CaCl<sub>2</sub>, ½# Flocele & 8# salt/sk. RO 50 sx cmt. WOC. Drld out cmt & cmt retr @ 2180'. RIH w/pkr, set pkr @ 986', press tested squeeze job to 1000# for 30 mins. OK. Reset pkr, tested squeeze perfs @ 972' to 1000#, perfs leaked. Set pkr @ 812, squeezed perfs @ 972' w/130 sx Cl C Cmt w/9/10 of 1% latex, ¼# cello-flakes/sk & 3% CaCl<sub>2</sub>. RO 6 sx cmt. POH w/pkr. WOC. Drilled out cmt. Set RBP @ 1000', pkr @ 940' press prested csg to 800# for 30 mins OK. Press tested tbg to 1150#, OK. Re-Set RBP @ 2246', pkr @ 2182', press csg to 800# for 30 mins, OK. Press tbg to 1250#, OK. POH w/RBP & pkr.
7. Drld retr @ 2595', & cmt to 2719', cmt 2760-2820'. Set pkr @ 2580', pmpd 2 BPM @ 1000#, had 1" wtr flow.
8. Re-squeezed Yates perfs 2649-2817' w/300 sx Cl "C" cmt w/9/10 of 1% latex, ¼# cello-flake/sk & 3% CaCl<sub>2</sub>, 200 sx Cl "C" cmt w/9/10 of 1% latex, ¼# cello flake/sk, 3% CaCl<sub>2</sub>. WOC. Drld out cmt, had 1" stream water flow fr perfs 2649-2817'. RIH w/pkr, set @ 2526'. Pmpd 150 sx Cl "C" cmt Cont'g 9/10 of 1% latex, ¼# cello flakes/sk, 3% CaCl. RO 65 sx. WOC. POH w/pkr. Drld out cmt, had water flow. Set pkr @ 2526', pmpd 110 sx LWL Cl "C" cmt w/9/10 of 1% latex, ¼# cello flake/sk @ 3% CaCl<sub>2</sub>. Squeeze press. 3000#, RO 65 sx. POH w/pkr. WOC. Drld out cmt to 2823', small water flow. Water flow located fr perfs 2814-17'. Set pkr @ 2526'. Pmpd 50 sx Cl "C" neat w/.9% LA-2 followed by 100 sx Cl "C" w/2% CaCl<sub>2</sub>. POH w/pkr. WOC. Drld out cmt, had waterflow. RIH w/2-7/8" tbg OE to 2815'. Pmpd 30 sx Cl "C" cmt w/2% CaCl<sub>2</sub>, displ w/15 BFW., set pkr @ 2526', pressured below pkr to 3000#, displ ½ bbls cmt into perfs in 1 hr. POH w/pkr. WOC. Drld out cmt. Press csg to 750# for 30 mins. OK. Rec DR plug in pkr @ 2850'.
9. RIH w/2-3/8" OD tbg w/locater seal assy. Load tbg/csg annulus w/corrosion inhibited fluid. Set tbg in pkr @ 2850'. Connect up wellhead for injection. On 24 hr inj. test 12/24/80 injected 367 BW @ 1450#. Returned to single water injection well thru Queen perfs 3360-3877'. Final Report.