

COPY TO C. & P.

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 ☐ Salt Water Disposal  
2. NAME OF OPERATOR ARCO Oil & Gas Co.  
Division of Atlantic Richfield Co.  
3. ADDRESS OF OPERATOR  
P.O. Box 1710, Hobbs, NM 88240  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1980' FSL & 1980' FEL  
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:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐  
(other) ☐

SUBSEQUENT REPORT OF

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APR 20 1981  
U.S. GEOLOGICAL SURVEY  
HOBBS, NM

5. LEASE  
NM-0897  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
Fletcher A DE Federal  
9. WELL NO.  
4  
10. FIELD OR WILDCAT NAME  
Lynch Yates 7 Rivers Qn  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
27-20S-34E  
12. COUNTY OR PARISH  
Lea  
13. STATE  
New Mexico  
14. API NO.  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
3696.6' GR

(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 3-16-81. POH w/2-3/8" OD tbg & pkr. RIH w/RBP, set BP @ 3508', pkr @ 3168'. Press test csg to 2500#, for 1½ hrs, no leak. Tbg/csg annulus press increased 450# to 750# in 15 hrs. POH w/pkr. Ran Bond log & Audio log 3508'-surf. POH w/RBP. Ran Audio log 3500'-surf. Set RBP @ 3148', pkr @ 3044'. Press tested tbg to 1500#, csg to 1000# for 1½ hrs, no leak bled tbg press to 400#, pressured back to 600# & stabilized. Bled tbg & csg press to 0#. In 6 hrs. TP60# CP 35#. Reset pkr @ 2793'. Indicated csg leaks. Re-set pkr @ 2919'. Pressure tested tbg/csg, indicated csg leak. Relsd pkr, pmpd 3 sx sd on top of RBP @ 3148'. Perforate 5-1/2" csg @ 3093-95' w/4 shots. RIH w/pkr, set pkr @ 2979', broke fm w/2200#. Flwd back 2" stream wtr. Pmpd 200 sx shur-fill cmt, 200 sx Cl C cmt, SIP 2000#, in 1½ hrs had flow back. Cmtd perfs 3093-95' w/200 sx Shur-fill cmt, 200 sx Cl C cmt w/2% Ca Cl<sub>2</sub>. SIP 2000#. Bled tbg to 0#, had small flow wtr, no csg flow. Tbg press build up to 150# in 2 mins. POH w/pkr. Drld cmt 3077-3125', Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED James W. Schmidt TITLE Dist. Drlg Supt DATE 4/21/81  
(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 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.

Had 1½" wtr flow. RIH w/pkr, set @ 2919'. Pmpd 200 sx Shur-fill cmt, 200 sx Cl C cmt w/ CaCl<sub>2</sub>. TOC @ 3000' fr surf inside 5-½" csg. POH w/pkr. Perf'd 4 holes 2844-46'. Set pkr @ 2730', broke dwn perfs w/2000#. Set cmt retr @ 2760'. Cmt'd perfs 2844-46' w/300 sx Shur-fill cmt & 200 sx Cl C cmt w/2% CaCl<sub>2</sub>. WOC. Drld out cmt & retr, 1½" wtr flow fr perfs 2844-46'. RIH w/cmt retr, set retr @ 2795'. Pmpd 100 sx Shur-fill cmt. RO 20 bbls cmt. Pmpd 100 sx Shur-fill cmt, displ w/17½ bbls wtr, RO 20 bbls cmt. WOC 2 hrs, string into retr, unable to pump into perfs w/3000#. POH w/tbg & stinger. Drld out retr & cmt, had ½" wtr flow. RIH w/cmt retr, set @ 2797'. Pmpd 5 sx CaCl<sub>2</sub> w/5 BW, 10 BW spacer, 100 sx Shur-fill cmt. SI 2 hrs. Pmpd 100 sx Cl "H" cmt, SI 1½ hr pmpd 100 sx Cl "H" cmt. WOC. RIH w/bit & drld cmt & cmt retr. POH w/bit. RIH w/ pkr, set @ 2787' had small wtr flow. POH w/pkr. Set cmt retr @ 2767'. Cmt'd perfs 2844-46' w/200 sx Cl H cmt cont'g 4% gel, 2% CaCl followed by 200 sx Cl "H" cmt w/3% CaCl. RO 6 bbls cmt. WOC. Drld out retr & cmt, had small wtr flow. In 1 hr, had 1½" wtr flow. Ran bit to 3054'. RIH w/pkr set @ 2751'. Pmpd into perfs 2844-46' w/2½ BPM @ 2750#. POH w/pkr. RIH w/cmt retr, set @ 2771'. Pmpd 238 bbls Injectrol "G" @ 3 BPM @ 2150#. FP 2250#, followed by 200 sx thixset cmt w/2% CaCl<sub>2</sub>. RO 1 bbl cmt. WOC. Drld out cmt retr & cmt. RIH w/pkr, set pkr @ 2750', had 1½" wtr flow. Pmpd 10 sx CaCl<sub>2</sub> w/10 BLW, 3 bbls Kero, 30 bbls DOBC, 3 bbls Kero, 300 sx Cl C w/3% CaCl<sub>2</sub>, 2 sx Cl C w/2% CaCl. Drill out cmt to 3095', had 1½" wtr flow. Rec BP & CO hole. RIH w/2-3/8" OD. WOC. IPC tbg, set pkr @ 3503'. Flange up well head & commence injecting into OH interval 3643-4000' temporarily per phone conversation between Mr. Chester Stewart, USGS, Roswell and Mr. J.W. Schmidt, ARCO on 4-16-81. Temporary permission to inject in above manner is pending on ARCO's acquisition of concentric packer assembly to isolate casing leaks.

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☆ GPO 1979-680-655/684

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OIL CONSERVATION DIV.