

NM OIL CONS. COMMISSION
Drawer DE
Artesia, NM 88210

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 and 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: 900' 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:

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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☐
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Cement Squeeze, CO & Acidize

5. LEASE
LC-029426(a) NM-10190
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
H. E. West "A"
9. WELL NO.
13
10. FIELD OR WILDCAT NAME
Grayburg Jackson QGSA
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
3-17S-31E
12. COUNTY OR PARISH
Eddy
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
3975.7' GL

(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.)*

RU 5/2/82, installed BOP, POH w/tbg & pkr. CO to 3695' PBD. Set RBP @ 3460', spot 2 sx sd on top. Set pkr @ 3280'. Broke perfs 3419-28' w/2200#. Squeeze perfs 3419-28' w/250 sx Cl C cmt cont'g 1% CaCl₂, Max press 3000#. RO 90 sx cmt. POH w/pkr. Ran bit to 3436'. RIH w/pkr, located hole in 4 1/2" csg @ 1561' & 1370'. Tested squeezed perfs 3419-28', no squeeze job. Set cmt retr @ 3397'. Cmt squeezed thru retr w/250 sx Cl C cmt cont'g 1% CaCl₂. MP 3000#. RO 60 sx cmt. Set cmt retr @ 1500'. Pmpd thru hole in 4 1/2" csg @ 1553' w/400 sx Howco Foam cmt. PO of retr. Pmpd down braden-head & 4 1/2" x 8-5/8" annulus, found hole in 8-5/8" csg @ 90'. Ran tbg to retr @ 1500', unable to pump in w/1800#. POH w/tbg. DO retr @ 1500'. Ran bit to 3397'. Set pkr @ 1500' & circ thru 4 1/2" x 8-5/8" annulus, no circ outside of 8-5/8" OD csg. RIH w/cmt retr, set retr @ 1480'. Cmt squeezed thru retr w/500 sx Cl C cmt cont'g 7#/sk salt & 2% CaCl₂. Good cmt returns to surf. RO 12 sx. WOC. DO retr & cmt. Press test to 500# for 30 mins OK. DO retr @ 3397'. Press csg to 500#, no squeeze. Set pkr @ (cont'd on back)
Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Peter W. Chester TITLE Drlg. Engr. DATE 6/01/82

APPROVED BY PETER W. CHESTER TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:
JUL 14 1982
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO* See Instructions on Reverse Side

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 sitr conditioned for final inspection looking to approval of the abandonment.

GPO : 1978 O - 214-149

3365'. Pumped into perfs 3419-28' w/3250#. Set cmt retr @ 3365'. Squeezed w/350 sx Cl C cmt cont'g 6#/sk sd & 2% CaCl₂, MP 4000#. WOC. DO retr & cmt. Press tested squeeze job, no squeeze. RIH w/pkr, set @ 3400'. Press perfs 3419-28' to 2500#, press dropped to 2100# in 15 mins, held @ 2100# for 30 mins OK. POH w/pkr. Wash sd off RBP @ 3460'. Retrieve BP. RIH w/Mod R dbl grip pkr, set @ 3445'. Acidize perfs 3474-3686' w/5000 gals 15% NE-FE acid & 3000# RS to divert, reset pkr @ 3385'. Removed BOP, installed injection wellhead, filled tbg/csg annulus w/inhibited wtr. Commenced inj wtr @ 3:00 pm 5/21/82. On inj test 5/23/82 injected 181 BW @ 2300# into Premier & Lovington zones 3474-3686'. Final Report.