

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 ☐ SWDW

2. NAME OF OPERATOR **ARCO Oil and Gas Company**
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR
Box 1710, Hobbs, New Mexico 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 1650' FSL & 990' FWL
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: as above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
NM-082

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT **Disposal**
ACREMENT NAME

8. FARM OR LEASE NAME
Ballard DE Federal

9. WELL NO.
6

10. FIELD OR WILDCAT NAME
Lynch Yates 7Rivers

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
22-20S-34E

12. COUNTY OR PARISH
Lea

13. STATE
N.M.

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3664' GR

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) ☐ ☐

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(NOTE: Report results of multiple completion or zone change on Form 9-330.)

U. S. GEOLOGICAL SURVEY
HOBBS, 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 subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

RU 2/4/80. Installed BOP, POH w/injection assy. RIH w/RBP & RTTS pkr, set BP @ 3200', pkr @ 3180'. Press to 1100#, small leak, reset BP @ 3192', set pkr @ 2880'. Press to 2300#, small leak. Set pkr @ 3004', leaked; set pkr @ 3128, leaked; set pkr @ 3159' & press to 2300#, OK. Hole in csg between 3128-3159'. Press to 2300#, bled off to 1200# in 5 mins. Set RTTS pkr @ 2500', 2188', 1876' & 1440'. Press each w/2300#, OK. POH w/pkr. RIH w/RBP, set @ 1440'. RIH w/8-5/8" FB pkr, set @ 120'. Pmpd down 8-5/8" x 2-3/8" tbg annulus, 3 BPM @ 0#. Press tbg to 1500# OK. POH w/FB pkr, hole in csg @ 100'. Cmt squeezed hole in 8-5/8" csg @ 100' w/3 BFW, 1000 gals flo-check, 3 BFW, 100 sx Cl C cmt w/2% CaCl followed by 350 sx Cl C cmt w/2% CaCl @ 300 psig, last 100 sx pumped @ 0#. WOC. WIH w/bit, drld cmt from 72-100'. POH w/RP. Had wtr flow. RIH w/EDBP w/6' alignment tool below 3426'. RIH w/RTTS pkr, set @ 3214', pumped 3 BPM @ 450#. POH w/pkr. Ran Howco cmt SP, set @ 3258'. Btm of alignment tool @ 3280' (cont'd on page #2)

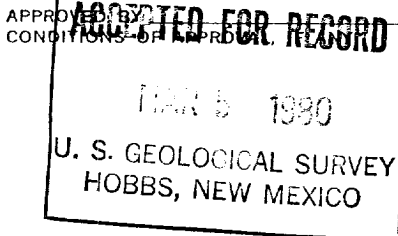
Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED *John Lee* TITLE Dist Drlg. Supt DATE 3/3/80

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____



*See Instructions on Reverse Side

Form 9-331
Ballard DE Federal #6
3/3/80
Page 2

Top of tool @ 3258'. Repaired parted csg @ 3269'. RIH w/cmt retri, set @ 3235'. Pmpd 100 sx Cl C cmt w/6# salt/sk, 3/10 of 1% Halad-22 @ 1100#. Pmpd 100 sx Cl C cmt w/3# salt/sk @ 350#. Cleared tool w/FW. WOC. Drld cmt & retri @ 3235', 23' cmt & cmt retri @ 3258'. Drld align tool @ 3258-3280', 4' cmt, had wtr flow @ 3272'. RIH w/retri, set @ 3240'. Pmpd 100 sx Cl C cmt w/6# salt/sk, 3/10 of 1% Halad-22 & 100 sx Cl C cmt w/10# sd & 3/10 of 1% Halad-22 followed by 200 sx Neat cmt. Press to 1100#. Spotted 6' cmt on top of retri. RO 19 sx cmt. WOC. RIH w/bit. TOC @ 3235'. Drld retri @ 3240', 23' of cmt & retri @ 3258', align tool 3258-3280', 4' cmt, had wtr flow @ 3272'. RIH w/cmt retri & csg align tool, set retri @ 3257' & btm csg align tool @ 3281'. Hole in csg @ 3269'. Pmpd 4000 gals Flo-check, 500 sx Cl C cmt w/2% CaCl. Pump press 700#, no squeeze. Cleared tools w/FW, no squeeze. Pmpd 50 bbls SW @ 3 BPM @ 900#. Pmpd 1500 gals Flo-check w/45# fiber. Pumped 750 sx Cl C cmt w/16% gel, saturated w/salt, pumped 1500 gals Flo-check w/45# fiber, 750 sx Cl C cmt w/16% gel saturated w/salt, 400 sx Cl C cmt w/2% CaCl. Last 20 sx cmt held w/700#. Spotted 100' cmt plug on top of retri @ 3257'. WOC. RIH w/bit, no cmt on top of retri. Drld retri, hit water flow. Drld out align tool 3257-3281'. WO unsuccessful, preparing to P&A. Well shut in on 2/25/80. Final Report.