

Form 9-331
Dec. 1973

NM OIL COMS. ADMISSION
Drawer DD
Artesia, NM 88210

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED BY

OCT 31 1984

O. C. D.

ARTESIA, OFFICE

Form Approved.
Budget Bureau No. 42-R1424

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 ☐
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: 2370' FWL & 1533' FSL
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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☐
☐
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Kick off, drill horizontal Drainhole (same zone) & return to production

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 4/9/84. POH w/rods & pump. Install BOP & POH w/comp1 assy. RIH w/bit, tagged PBTB @ 6306'. RIH w/pkr & located leak in csg 6229-35'. Set pkr & cmt squeezed perfs 6111-36' & 6240-60' w/150 sx Cl H cmt, RO 20 sx. WOC. DO cmt to 6260'. Press tested squeeze to 1000# for 30 mins OK. CO hole to 6287' PBD. WIH w/Baker DW-1 pkr & set @ 6232.50'. Ran Gyroscope w/surface read out to 6231'. MD 6231', TVD 6224.31'. Key locator N10E. RIH w/W-2 orientation anchor seal assy w/key locator, whipstock oriented N20W & landed in AS assy in pkr @ 6230.61' N20W. Rel from shear lug on whipstock. Displ csg w/EP mud system. RIH w/mill & milled csg 6223.11'-6227.96'. POH w/mill. Ran bit & angle building reamer, drld to 6261.11'. POH w/bit & reamer. Ran multishot magnetic survey 6260-6220', survey @ 6227' (face of WS) 8 deg, N 12-34W. Survey @ 6260', 13½ deg N57W, WLMD to 6263', TVD 6252.30'. SLM 6261.11'. RIH w/TP, pkr & tbg, set pkr & TP in OH & spotted 100 gals 15% HCL Pad acid. Set pkr @ 6188' & unable to break down fm w/3000#. (cont'd on attached sheet)

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

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

SIGNED Elizabeth A. Bush TITLE Drlg. Engr. DATE 10/24/84

ACCEPTED FOR RECORD (This space for Federal or State office use)

APPROVED BY [Signature] TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

OCT 29 1984

Carlsbad, NEW MEXICO

*See Instructions on Reverse Side

C/3F

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Empire Abo Unit "K" #182

October 24, 1984

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Rev out acid. Rel pkr & POH. RIH w/tbg OE to 6261' & spotted 50 sx Cl H cmt. RIH w/bit & drld cmt from 6190-6227'. Drld 6227-6262.11'. POH w/bit. Ran magnetic multi-shot survey 6259-6240'. Survey @ 6259' 67½ deg. S90E, TVD 6245.76'. WLTD 6261', SLM TD 6261.11'. Ran bit & drld 6261.11' to 6269.11'. POH w/angle building assy. Ran magnetic survey multi-shot survey 6268-6260'. Survey @ 6268', 80 deg, N75E, TVD 6248.07'. SLM TD 6269.11'. RIH w/bit, drld 6269-6319'. POH w/bit. Ran magnetic multi-shot survey 6319-6269'. Survey @ 6319', 87½ deg, N71E, TVD 6253.70', 259.90'N, 42.60'E. RIH w/bit & drld 6319-6419'. Ran magnetic multi-shot survey 6419-6319'. WLTD 6421'. Survey @ 6419', 94½ deg, N71E, TVD 6251'. Horizontal displ from WH 323' @ N25E. RIH w/bit & drld 6419-6540'. Circ hole clean. Displ csg w/2% KCL wtr & 3% ARCO F-651 on btm. Ran magnetic multi-shot survey WLTD 6541'-6424', survey @ 6539', 99½ deg N73E, TVD 6233', horiz displ 414' @ N37.37 deg E, Horiz displ fr/whipstock 294.3' @ N72.3' deg E. RIH w/ prod assy, set pkr @ 6219'. Swbd horizontal hole 6225-6540', rec 0 BO, 20 BLW. Ran coiled tbg to 6540' & acidized w/3000 gals (60% xylene, 40% 15% HCL), flushed w/2% KCL wtr. In 8 hrs swbd 65 BLW, tr oil. On 7/23/84 swbd 12 BO, 74 BLW, good gas blow. SITP 15#. POH w/pkr & tbg. RIH w/compl assy, MA @ 6214', SN @ 6177'. RIH w/pump & rods. 7/29/84 pmpd 1 BO, 37 BW, 2 MCFG in 24 hrs. POH w/rods & tbg. RIH w/pkr, set @ 6220'. Ran coiled tbg to 6547' & spotted 75 bbls 50-50 xylene/15% FE LSTNE acid & flushed w/2% KCL wtr. POH w/coiled tbg. In 6 hrs swbd 25 BO & 56 BLW. POH w/pkr & tbg. RIH w/compl assy, MA @ 6214', SN @ 6177', ran rods & pump. On 24 hr potential test pmpd 8 BO, 16 BW, 10 MCFG, GOR 1250:1 (10/22/84).
Final Report.