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Form 9-331

Dec. 1983

JAN 2 - 1985

NM OF LAND COMMISSION

Drawn: AD

Artesia, NM 87003

Form Approved.

Budget Bureau No. 42-R1424

UNITED STATES

O. C. DEPARTMENT OF THE INTERIOR

ARTESIA, OFFICE 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 ☐2. NAME OF OPERATOR ARCO Oil and Gas Company
Division of Atlantic Richfield3. ADDRESS OF OPERATOR
P.O. Box 1710, Hobbs, NM 38240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 3009' FNL & 660' FWL

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:

SUBSEQUENT REPORT OF:

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

(other) Log, Run Prod. csg, cmt, perf, treat & complete

5. LEASE

NM 0501759

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Kurland "A" Federal

9. WELL NO.

1

10. FIELD OR WILDCAT NAME

Avalon Delaware

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

6-21S-27E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

14. API NO.

30-015-24847

15. ELEVATIONS (SHOW DF, KDB, AND WD)

3187.2' 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.)*

Finished drlg 7-7/8" hole to 5077' @ 12:30 a.m. 9-18-84. Ran EPT, GR-Cal/Lithoden/CNL, GR-DIL. RIH w/2789' of 5 1/2" OD 15.5# J-55 csg & 2311' of 5 1/2" OD 14# J-55 csg set @ 5077'. FC set @ 5034'. Cmtd 5 1/2" csg w/750 sx Cl "C" cmt contg 1/2#/sk flocele. PD @ 2:30 p.m. 9-19-84. Ran temp survey, TOC @ 2200'. On 9-25-84 ran GR-CCL. Perf Bone Springs w/2 JSPF @ 4881, 87, 95, 96, 97, 4902, 04, 05, 07 = 20-.48" holes. Set pkr @ 4809'. Acdz perfs 4881-4907' w/2000 gals 15% NEFE acid contg 1000 SCF/bbl N₂. In 5 hrs swbd Bone Springs, rec 6 BLW w/trace of oil. Fracture acdz lower Bone Sprgs 4881-4907' w/5000 gals 30# gelled 2% KCL wtr pad & 5000 gals of 20% Gelled HCL NEFE acid contg 500 SCF/bbl. of N₂. In 8 hrs swbd Bone Sprgs rec 0 BO, 13 BLW, no show of oil. POH w/pkr. Set RBP @ 4809'. Perf 2 JSPF @ 4635, 4636, 4640, 4641, 4642' = 10-.48" holes. Set pkr @ 4535' & acdz w/1000 gals 15% NEFE. On 10-4-84 opened on 35/64" ck, flwd 1 1/2 hrs & died. Swbd 7 hrs; rec 10 BO, 8 BW, good gas show. 12 hrs SITP 1200#. Acdz Bone sprgs 4635-4642' w/

Subsurface Safety Valve: Manu. and Type

Set @ Ft. over-

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

SIGNED

TITLE

DATE

12-20-84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL IF ANY:

*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 site conditioned for final inspection looking to approval of the abandonment.

GPO : 1978 O - 214-149

3000 gals 30# gelled 2% KCL & 3000 gals gelled 20% HCL NEFE, flushed w/ 30 bbls non-gelled 2% KCL wtr to btm perfs @ 4642'. On 10-19-84 flwd 4 BO, 0 BW, gas not meas. on 36/64" chk FTP 40#. Flwd 3 hrs on 48/64" chk, rec 15 BO, 2 BW. 10/30/84 SITP 1300#. Relsd pkr, killed well & moved RBP to 4618'. Perf lower Delaware w/2 JSPF @ 4589, 85, 84, 83, 4580' w/10-.48" holes. Set pkr @ 4461' & acdz perfs 4589-4580' w/1500 gals 7½% NEFE acid flushed w/2% KCL wtr. In 10 hrs 11-1-84 swbd 2 BO, 10 BW. 11/2/84 SITP 200#. Frac perfs 4589-4580' w/75 Quality N₂ foam & 21,000# 20/40# sd, liquid phase 60/40 2% KCL wtr to methanol. Opened on 24/64" chk & flwd 8 hrs, rec 38 BO & 66 BW. FTP 1000#. POH w/pkr & RBP @ 4618'. RIH w/CIBP & set @ 4618'. RIH w/Lok-set pkr & on-off tool w/pkr @ 4553'. 11/12/84 flwd 24 hrs 7 BO, 6 BW, 69 MCFG. On 12/10/84 RIH w/rods & pump. On 24 hr Potential test 12/14/84 pmpd 53 BO, 63 BW, 151 MCFG on 9-54" spm, GOR 2849:1. Completed as a single oilwell Avalon Delaware Pool. FINAL REPORT.