

MAR 24 1980

O. C. D.

ARTESIA, OFFICE

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LAND OFFICE	
OPERATOR	1

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
B-8814	
6. Indicate Type of Well	
Oil ☒ Gas ☐ Other ☐	
7. Name of Operator	
ARCO Oil & Gas Company	
Division of Atlantic Richfield Company	
8. Field or Lease Name	
Empire Abo Unit "K"	
9. Well No.	
14	
10. Field and Pool, or Wildcat	
Empire Abo	
11. Elevation (Show whether DF, RT, GR, etc.)	
3543' RT	
12. County	
Eddy	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO STOP OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT - " (FORM C-101) FOR SUCH PROPOSALS.)

1. Name of Operator	ARCO Oil & Gas Company
2. Address of Operator	P. O. Box 1710, Hobbs, New Mexico 88240
3. Location of Well	UNIT LETTER K 1980 FEET FROM THE South LINE AND 1830 FEET FROM West LINE, SECTION 2 TOWNSHIP 18S RANGE 27E N.M.P.M.

15. Elevation (Show whether DF, RT, GR, etc.)	3543' RT
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Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK	☐
TEMPORARILY ABANDON	☐
PULL OR ALTER CASING	☐

PLUG AND ABANDON	☐
CHANGE PLANS	☐

REMEDIAL WORK	☐
COMMENCE DRILLING OPNS.	☐
CASING TEST AND CEMENT JOBS	☐

ALTERING CASING	☐
PLUG AND ABANDONMENT	☐

OTHER Squeeze Cmt. & Complete ☒

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. Rigged up on 1-29-80, killed well, installed BOP, POH w/comp assy. RIH w/cmt. retr., set retr. @ 5893'.
2. Squeeze cmt. perms. 5946-5997' w/20 BFW, 20 bbls. caustic solution w/soap, 20 BFW, 150 sx. Cl C LWL cmt. followed by 100 sx. Cl C cmt. w/2% Ca Cl. Ran CBL, TOC @ 4250'.
3. Perfd. 5-1/2" csg. 4200-4202' w/2 JSPF.
4. Set cmt. retr. @ 4143'.
5. Squeeze cmt. perms. 4200-4202' w/20 BFW, 20B caustic solution, 20 BFW, 650 sx. 65/35 Poz & 6% gel, 200 sx. Cl C, 2% Ca Cl.
6. Ran temp. survey, found TOC @ 1235'.
7. Perf'd. 5-1/2" csg. @ 1200-02' w/2 JSPF.
8. RIH w/retr., set @ 1158'.
9. Squeeze cmt. perms. 1200-02' w/10 BFW, 20 bbls. caustic w/soap solution, 20 BFW, 300 sx. Cl C cmt. w/2% Ca Cl, Circ. 5 sx. cmt. to pit. WOC
10. Drld. out cmt. & retr. @ 1158', CO to 1209'. Press. tested squeeze job w/1500# OK.
11. Drld. out cmt. & retr. @ 4143', CO to 4260'. Press. tested squeeze job to 1500# for 30 mins. OK.
12. Drld. cmt. & retr. @ 5893', CO to 6060'. Press. test squeeze job w/1500# for 30 mins. OK. Run bit to 6172'.
13. Ran Spectr. log, PFC log. Perfd. Abo 6074-84' w/2 JSPF. RIH w/comp assy., set pkr. @ 6041'.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

(Cont'd)

SIGNED L. A. L. TITLE Dist. Drlg. Supt. DATE 3-18-80

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT 7 DATE MAR 25 1980

CONDITIONS OF APPROVAL, IF ANY:

14. Pmpd. 22.1 bbls. 15% HCL dbl. inhib. w/annulus press. @ 1000#. Swbbd. 7 hrs. rec. 27 BF. In 2 hrs. swbbd. 2 BO & 8 BW. POH w/ pkr. & tbg.
15. Perf'd. Abo 6100-6110' w/2 JSPF=20-41" holes.
16. RIH w/pkr. on tbg., set pkr. @ 6092'. Acidized perfs. 6100-6110' w/250 gals. 15% HCL-LSTNE-FE acid flushed w/23.5 bbls. KCL wtr. Reset pkr. @ 6026'. Acidize perfs. 6074'-6110' w/3000 gals. 15% HCL-LSTNE-FE acid, flushed w/30 BLO. Well kicked off & flwd. 43 BO & 79 BLW in 7 hrs. on 18½ hr. test flwd. 56 BO & 0 BW, 887 MCFG on 48/64" ck, GOR 15,839:1. POH w/pkr. & tbg.
17. RIH w/RBP, set BP @ 6053' w/2 sx. sd. on top. RIN w/cmt. retr., set retr. @ 5904'. Squeeze cmtd. perfs. 5946-5997' w/20 bbls. caustic & soap solution, 20 BFW, 100 sx. LWL cmt., 50 sx. Cl C cmt. w/2% Ca Cl. WOC.
18. Drld. cmt. & retr. @ 5904', CO hole to 6004'. Press. tested csg. to 1500# for 30 mins. OK. Rec. BP @ 6053', CO hole to 6150'.
19. RIH w/pkr. set @ 6080'. Acidized perfs. 6074-6084', 6100-6110' w/250 gals. 15% HCL-LSTNE-FE flushed w/24 BLO. In 3½ hrs. swbbd. 35 BO, 15 BW.
20. Well shut-in on 3-10-80. Workover unsuccessful. Final Report.