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C-SF

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JUN 4 1980
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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 [X] gas well [ ] other
2. NAME OF OPERATOR ARCO Oil & 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: 560'FNL & 1980' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: As above

5. LEASE
LC-029395-(b)
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Turner "B" (B)
9. WELL NO.
48
10. FIELD OR WILDCAT NAME
Grayburg Jackson QGSA
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
29-17S-31E
12. COUNTY OR PARISH
Eddy
13. STATE
N. M.
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
3675' GL

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)		Repair Water Flow	

(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.)*

1. Rigged up on 3/31/80. Install BOP, POH w/ comp assy.
2. RIH w/RBP, set BP @ 3200', dumped 4 sx sd on top. Ran CBL 2400' to surf. TOC @ 2200'.
3. Perf'd w/2 JSPF @ 1200-1202' & 2025-27'.
4. RIH w/cmt retr. Set retr @ 1240'. Cmtd perfs 1200-02' & 2025-27' w/600 sx Cl "H" salt saturated cmt, 100 sx Cl "C" cmt w/2% CaCl. WOC.
5. Ran bit to top of retr @ 1240' pmpd down tbg & back side of tbg. Perfs @ 2025' holding. Perfs @ 1220' leaking.
6. RIH w/cmt retr, set retr @ 1170' cmtd thru retr w/300 sx Cl "H" w/16% gel, 1000 gals flo check, 250 sx salt saturated cmt, 1000 gals flo-check, 250 sx salt saturated cmt, 100 sx Cl "C" cmt w/3% CaCl.
7. Perf'd @ 780' w/2 JSPF. RIH w/cmt retr, set @ 759', cmtd w/250 sx Cl "C" cmt w/ 2% CaCl. Ran temp survey, TOC @ 610' from surf. WOC.

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

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

SIGNED J. A. Lee TITLE Dist. Drlg. Supt. DATE 5/28/80

(This space for Federal or State office use)

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

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ARTESIA, OFFICE

*See Instructions on Reverse Side

8. Perf'd @ 598' w/2 shots. RIH w/ cmt retr, set retr @ 564'. Cmtd w/300 sx Cl "C" cmt w/2% CaCl. C rc cmt to surf. WOC.
9. Drld retr @ 564', had water flow.
10. RIH w/cmt retr set retr @ 535'. Cmtd perfs @ 598' w/2 shots. Cmtd perfs @ 598' w/300 sx Cl "H" cmt w/16% gel, 2000 sx flo check, 500 sx salt saturated cmt w/100 sx Cl "C" cmt w/3% CaCl. WOC.
11. Drld cmt retr @ 535' & cmt @ 597'. Set cmt retr @ 541'. Cmtd perfs @ 598' w/300 sx Cl "H" cmt w/8% gel & 400 sx Cl "H" w/12# salt/sk followed by 150 sx Cl "C" cmt w/ 3/10 of 1% CFR-2, 3# salt/sk, 3% CaCl. WOC.
12. Drld retr @ 541' & cmt to 597'. Pressured perfs @ 597', bled off. Set pkr @ 547', pmpd 75 sx Cl "C" cmt w/3/10% CFR-2, 2% CaCl, 6# salt/sk. WOC. Drld cmt 562-617'. Press perfs to 1000# pmpd ½ BPM @ 1400#. Set FB pkr @ 500', pmpd 200 sx Cl "H" cmt w/ 4% CaCl. WOC. Drld cmt 555-611'. Press tested perfs @ 598' w/ 750#, press bled off. Drld cmt 611-749'.
13. Drld cmt retr @ 759'. Drld cmt to 792'. RIH w/ pkr, set pkr @ 740', press perfs to 400#, press bled off. POH w/ pkr. Drld retr @ 1170', cmt 1170-1239'. Drld retr @ 1240', cmt 1889-2040'.
14. RIH w/ pkr, set @ 1235'. Press tested csg & squeeze jobs to 650#, OK. Ran CBL/VDL w/GR to surf. TOC @ 2204'. RIH w/pkr, set @ 700', tested perfs 780-82', pmpd ¼ BPM @ 500#. Tested 2½"x7" annulus w/ 750#, press bled off. POH w/pkr.
15. RIH w/tbg & pkr to 786', spotted 35 sx 65/35 Cal Seal, displ 3½ bbls, squeezed 3 bbls into formation @ 800#. Pmpd 2nd plug @ 627' w/35 sx Cl "H" Cal seal, squeezed 2 bbls into formation W/1000#. Tagged TOC @ 473'. POH w/tbg & pkr. WOC. Drld out cmt 473-790'. Press tested squeeze job, press bled off. Set pkr @ 850', press tested perfs to 1000# for 30 mins, OK. Reset pkr @ 619', press perfs @ 780', pmpd 1 BPM @ 700#. RIH w/pkr, set @ 637', pmpd 50 sx Cl "H" 65/35 Cal Seal, displ 6 bbls, pressured to 1000# for 15 mins. POH w/ pkr. Drld out cmt to 797'. Press tested perfs @ 780' to 500#, press bled off. RIH w/ pkr, set @ 740', pmpd into perfs @ 780' w/ 1 BPM w/850#. Reset pkr @ 637', pmpd 4 sx caustic w/20 BFW, 100 sx Cl "H" w/ 16% gel & 35 #/sk salt followed by 85 sx Cl "H" w/ 10# KCL, .5% Halad-4, .3% CFR-2 & 10% EA-2. WOC. Drld out cmt 685-790'. Pressure tested squeeze job to 500#, press bled off. RIH w/tbg OE to 792', pmpd 35 sx Cl "C" cmt w/ .6% Halad-9 & POH w/ tbg. RIH w/pkr, set pkr @ 632' and displ above cmt into perfs @ 780' w/3 BFW, WOC. POH w/ pkr. Well flwd back wtr. Drld & CO to 3200'. Relsd BP @ 3200', reset @ 1189'. Spotted 3 sx sd on BP. Set pkr @ 631'. Pmpd 50 BBW w/400# caustic, 24 bbls, Flo check, 4 bbls Cl "H" w/16% gel, press to 500# & left SI, WOC 24 hrs. Opened well, had small flow. Set pkr @ 629', pmpd 15 BBW, 20 BBW w/ 400# caustic, 15 BBW, 4 BFW, 500 gals flocheck, 3 BFW, 200 sx Cl "H" w/ 5/10% Halad-4, 3/10% CFR-2, 10% EA-2, 7 BBW, Press to 1100#, WOC. Drld out cmt to 710-805', no water flow. Press tested csg to 500# for 30 mins, leaked off to 450#. OK. Retrieved BP @ 1189'.
16. RIH w/pkr, set @ 3167'. Acidized perfs 3214-22', 3240-43', 3246-49', 3304-12' & 3316-22' w/1000 gals 15% HCL-NEFE acid. POH w/pkr.
17. RIH w/comp assy on test 5-26-80 pmpd 3 BO, 77 BW, gas not measured on 12-64" SPM. Final Report.