

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

Form approved  
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

NM-14840

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 "APPLICATION FOR PERMIT" for such proposals.)

7. UNIT AGREEMENT NAME

Empire Abo Pressure Maintenance Project

8. FARM OR LEASE NAME

Empire Abo Unit "C"

9. WELL NO.

50

10. FIELD AND POOL, OR WILDCAT

Empire Abo

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

29-17S-29E

12. COUNTY OR PARISH 13. STATE

Eddy

N.M.

1. OIL WELL  GAS WELL  OTHER Salt Water Injection  
2. NAME OF OPERATOR Atlantic Richfield Company  
3. ADDRESS OF OPERATOR P.O. Box 1710, Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
2310' FSL & 1650' FWL (Unit Letter "K")

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3610' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other)   
PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other) Convert to SW Injection Well   
REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)

Rigged up on 9-6-78, killed well, installed BOP, POH w/comp assy. RIH w/type G bridge plug, set @ 6164'. Ran vertilog & CBL. TOC @ 4890'. RIH w/2-7/8" OD tbg OE, spotted 4 sx sd on top of plug, top of sd @ 6150'. Spotted 25 sx Cl C Cmt, 2% CaCl 5339-5212'. Perf'd 5 1/2" OD csg 4890' w/4JS, no flow back. RIH w/retr on 2-7/8" tbg, set @ 4788'. Cmt squeezed thru retr w/600 sx HOWCO Lite Contg 5# salt/sk & 100 sx Cl C Contg' 2% Ca Cl, PO of retr, RO 5 sx cmt. Ran temp survey, surf to 4700', TOC @ 3490'. Perf'd 5 1/2" csg @ 3480' w/4JS RIH w/Retr on 2-7/8", tbg, set retr. @ 3404'. Cmt'd thru retr w/600 sx Lite wt cmt, 8# salt/sk & 100 sx Cl C w/2% Ca Cl. RO 8 sx cmt, no flow on 5 1/2" x 8-5/8" csg annulus. POH w/tbg, WOC. Ran temp survey, found TOC @ 3140'. Perf'd 5 1/2" csg @ 3130', no flow back, set retr @ 3027'. Cmt'd thru perfs @ 3130' w/550 sx Lite wt cmt, 8# salt/sk, 10# gilsonite & 1/4# flocele/sk & 100 sx Cl C 2% Ca Cl. RO 7 sx cmt. Temp survey indicated TOC @ 2294'. Perf'd 5 1/2" csg w/4 holes @ 2290', went on vacuum. RIH w/retr, set @ 2212', load csg w/18 BW, pmpd wtr thru perfs w/returns thru 8-5/8" csg. Cmt'd 5 1/2" csg w/400 sx Lite wt, w/8# salt/sk, 10# Gilsonite & 1/4# flocele/sk, followed by 100 sx Cl C, Contg' 2% Ca Cl, had good returns, cmt did not circ. Temp survey indicated TOC @ 300' FS. Drlg cmt 2207'-2212', retr @ 2212' and cmt 2212-2291'. Drld retr. and cmt 3025-3081'. Press tested csg to 1500# for 30 mins, OK. Drld cmt 3081-3162'. Press tested csg to 1600# for 30 mins. Tested OK. Drld cmt & retr. from 3394-3410', cmt 3410-3514', press tested csg to 1600#, press dropped 100#/min. Found perfs @ 3130' leaking. RIH w/cmt retr set retr @ 3057'. Cmt'd perfs @ 3130 w/100 sx Low wtr loss cmt & 100 sx

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

SIGNED [Signature] TITLE Dist. Drlg. Supt. DATE 11-28-78

(This space for Federal or State office use)

APPROVED BY [Signature] TITLE ACTING DISTRICT ENGINEER DATE DEC - 6 1978

