

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN THE
(Other instruct.
reverse side)CATE*
on re-Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

NM 2938

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Panco Federal

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Shugart - Queen

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

23-T18S-R31E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

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.)

1.

OIL WELL ☐ GAS WELL ☐ OTHER Water Injection Well

2. NAME OF OPERATOR

Atlantic Richfield Company

NOV 11 1974

3. ADDRESS OF OPERATOR

P. O. Box 17110, Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any standards required by the
See also space 17 below.)
At surface

2310' FNL & 2310' FWL (Unit letter F)

NOV - 8 1974

U. S. GEOLOGICAL SURVEY

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, ARTESIAN, or SURFACE)

3682' GR

ARTESIAN, NEW MEXICO

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 COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Cmt 8-5/8" X 5 1/2" Csg Annulus

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 perti-
nent to this work.)*

On 10/16/74 POH w/comp assy. WIH w/RBP on 2-3/8" tbg, set RBP @ 3370'. Ran cmt bond log 3357-2050'. TOC @ 2165'. Spotted 3 sx sd on top of RBP. Perf 4 holes @ 2085' = 80' above TOC. WIH w/pkr on 2-3/8" tbg. Set pkr @ 1941'. In 3 stages cmtd thru perfs @ 2085' w/240 sx Class C Neat, 100 sx Class C w/1/4# Cello flakes/sk, 100 sx Cl C w/1/4# Cello flakes & 10# sd/sk & 200 sx Cl C w/2% CaCl₂. Over-displaced ea stage w/10 BW. Max press 1500#, ISIP 1350#. Rel press. on 8-5/8" X 5 1/2" csg annulus. Cmtd 8-5/8" X 5 1/2" annulus w/400 sx Cl C w/18% salt, 6% gel & 2% CaCl₂. MP 600#, ATP 500# @ 2-3/4 BPM. SDP 500#. Closed in 8-5/8" csg. WIH w/4-3/4" bit & 4 3/4" OD DCs on 2-3/8" tbg. Drld cmt stringer @ 2060' & from 2094-2155'. Circ hole clean & press to 600# on perfs @ 2085'. Press incr to 650# in 30 mins. POH w/bit. WIH w/5 1/2" pkr & tested RBP @ 3370' & 5 1/2" csg 2114-3270' w/3000#. Held OK. Reset pkr @ 1743'. Unable to pump into perfs @ 2085' w/3000#. POH w/pkr. Spotted 250 gals 15% HCl acid 1843-2095', pmpd into perfs @ 2085' w/1 BPM @ 1600#. Reset pkr @ 1750'. Mixed & pmpd 100 sx Cl C w/2% CaCl₂ followed by 50 sx Cl C w/2% CaCl₂ & 10# sd/sk. MP 2750#, Min 1300#, final press 2000#. WOC 18 hrs. Drld cmt @ 1989'. Drld out cmt to 2085'. Tested perfs @ 2085' to 500# press incr to 700# in 30 mins. SIP 12 hrs incr to 1400#. WIH w/pkr. Spotted 250 gals acid over perfs @ 2085'. Cmtd perfs @ 2085' w/200 sx Cl H cmt w/2% CaCl. Max & final press 3000#. WOC 24 hrs. POH w/pkr. WIH w/bit & drld cmt 1884-2106'. Tstd 5 1/2" csg w/2000# for 45 mins. Tested OK. POH w/bit. WIH & rec BP. Ran pkr & SN on 107 jts 2-3/8" tbg & set @ 3353'. Loaded 5 1/2" x 2-3/8" annulus w/treated fresh water. Installed well hd & resumed water injection on 10/31/74.

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

SIGNED

TITLE

Dist. Drlg. Supv.

DATE

11/6/74

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side