

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
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  
Amoco Production Company  
3. ADDRESS OF OPERATOR  
501 Airport Drive, Farmington, NM 87401  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 330' FNL x 2310' FEL  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

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) ☐ ☐

5. LEASE  
I-89-IND-58  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo Tribe  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
U.S.G. Section 19  
9. WELL NO.  
7  
10. FIELD OR WILDCAT NAME  
Hogback Dakota  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/NE, Section 19, T29N, R16W  
12. COUNTY OR PARISH  
San Juan  
13. STATE  
New Mexico  
14. API NO.  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4992' - GL

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SEP 13 1983

BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA

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SEP 14 1983

OIL CON. DIV.

DIST 3

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give estimated 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.)\*

Amoco Production Company requests approval to fracture stimulate and test the above well, according to the attached procedure.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED D.D. Lawson TITLE Dist. Adm. Supvr. DATE 9/8/83

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED

SEP 13 1983

M. MILLENDEN

AREA MANAGER

Arkus

OPERATIONS TO BE PERFORMED: (Circle One)

Recompletion

Repair

Service

LEASE AND WELL USG SECTION 19 No. 7FIELD HOGBACK DAKOTAFORMATION DAKOTA

LOGS \_\_\_\_\_

LOCATION 330' ENL X 2310' FEL, SEC. 19, T29N, R16W, SAN JUAN COUNTY, NM.COMP. DATE 1924EL: 4992' GLTD: 657'

PBD: \_\_\_\_\_

CSG: 6 3/8" 17 # @ 645' 4 1/2" 10.5 # K-55 @ 645'COMP. INT. OPEN HOLE 647'-657'

ORIG. STIM. \_\_\_\_\_

IP \_\_\_\_\_

CURRENT PROD. INT. 647'-657'PURPOSE: FRACTURE STIMULATE AND TEST WELLSDB DHS GOM 5/PERMITTING DESK (JMS, <sup>MAC HARD</sup> ~~RHO~~, 2FF)

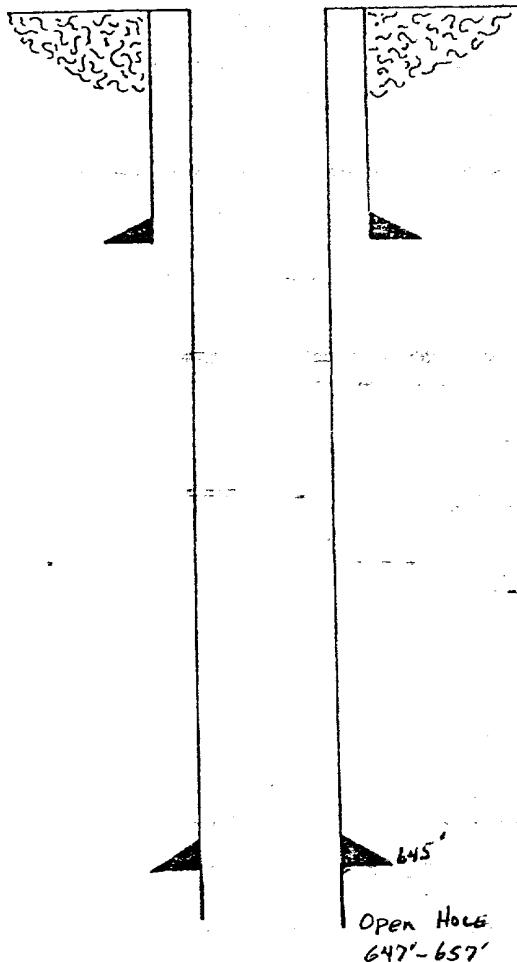
ENGR

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WELLBORE SKETCHPROCEDUREOIL CON. DIV.,  
DIST. 3PLEASE STIMULATE AND TEST WELL #7  
IN THE FOLLOWING MANNER.

- 1) T1 X 2 3/8" TUBING AND PACKER. LAND TUBING AT 600'.
- 2) REVERSE CIRCULATE DOWN ANNULUS AND UP TUBING SO THAT ANY OIL ACCUMULATED IN THE WELLBORE CAN BE SALVAGED. CIRCULATE LONG ENOUGH TO DISPLACE ANY OIL IN PIPELINE TO HEADER BOX (APPROX. 75 BBL.).
- 3) SET PACKER.
- 4) FRAC OPEN HOLE INTERVAL DOWN TUBING WITH A TOTAL OF 8,250 GALLONS OF 20 POUND GELLED WATER CONTAINING 2% KCl, 1 GALLON SURFACTANT PER 1000 GALLONS GELLED WATER, AND 5000 POUNDS OF 20-40 MESH SAND AS FOLLOWS:

DISTRICT SUPERINTENDENT S. Blosser

DISTRICT ENGINEER \_\_\_\_\_

DISTRICT FOREMAN \_\_\_\_\_

ENGINEER MICHAEL BARNESDATE 9/6/83

USG SECTION 19 No. 7 (CONT.)

| STAGE | FLUID VOLUME             | SAND CONCENTRATION (PPG) | SAND (LBS)                |
|-------|--------------------------|--------------------------|---------------------------|
| 1     | 1500                     | 0.0                      | 0                         |
| 2     | 1000                     | .5                       | 500                       |
| 3     | 2000                     | 1.0                      | 2000                      |
| 4     | <u>3250</u><br>8250 GAL. | 1.5                      | <u>2500</u><br>5,000 LBS. |

\* RATE  $\rightarrow$  8-10 BPM

- 5) FLUSH WITH 3 BARRELS OF 2% KCl WATER.
- 6) SHUT IN FOR 2 HOURS AND CLEAN UP. TRIP OUT WITH 2 $\frac{3}{8}$ " TUBING AND PACKER.
- 7) TI X 2 $\frac{3}{8}$ " TUBING AND LAND AT 500'. RUN A 2" X 1 $\frac{1}{2}$ " X 20' TUBING PUMP WITH APPROX. 500' OF 3/4" RODS.
- 8) INSTALL ALL NECESSARY WELLHEAD EQUIPMENT, INCLUDING STUFFING BOX, POLISH ROD, AND LINER.
- 9) TRANSFER ONE OF THE AMERICAN 228 PUMPING UNITS FROM THE DRAKE STREET YARD AND HOOK UP TO WELL #7.
- 10) OPERATE THE UNIT WITH AN 86-INCH STROKE LENGTH AT 13 SPM (OPTIMIZE FOR 450-500 BFPD).
- 11) RETURN WELL TO PRODUCTION AND PUT ON TEST.

FRAC COMPANY: SMITH