

5 - USGS 1 - McHugh 1 - El Paso Expl. 1 - Conoco 1 - File

Form Approved.  
Budget Bureau No. 42-R1424

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  
Jerome P. McHugh

3. ADDRESS OF OPERATOR  
P O Box 208, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 820' FNL - 1100' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

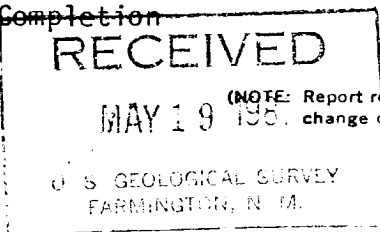
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

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

SUBSEQUENT REPORT OF:

XXX Completion



5. LEASE  
SF 078499A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Hardie

9. WELL NO.  
#5E

10. FIELD OR WILDCAT NAME  
Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 23 T28N R8W

12. COUNTY OR PARISH  
San Juan

13. STATE  
NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6242' GR

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.)\*

See reverse for perms, acid, frac 5-14-81 and tbg. 5-16-81.

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

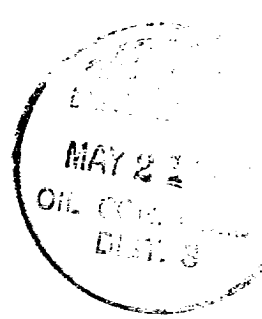
18. I hereby certify that the foregoing is true and correct

SIGNED Thomas A. Dugan TITLE Agent DATE 5-18-81

(This space for Federal or State office use)

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

NMOCC



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# DAILY REPORT

5-14-81 Move in and rig up MTK Inc., Rig up Jetronics and run GR-CCL Log from 7294' to 6250'. Rig up Western Co. and load 7" - 4½" annulus w/ 21 gals x-cide and 21# sodium dichromate. Pressure test 4½" csg. to 4000 psi. Held OK. Perforate Dakota Formation using 3-1/8" hollow carrier dual-fire gun at 7057', 59, 61, 63, 65, 67, 69; 7145, 47, 49, 51; 7218, 20, 22, 24, 44, 46, 48, 57, 59, 72, 74, 83, 85 w/ .38" jet holes for a total of 24 holes. Rig up Western Co. and acidize perms w/ 500 gals 15% HCL and 35 ball sealers. Obtain complete balloff at 4200 psi. Rig up Jetronics and run junk basket, retrieve 35 balls w/ 21 hits. Fracture Dakota Formation using Mini-Max III-30 gel w/ 2% hydrocarbon for fluid as follows:

15,000 gals fluid pad  
 10,000 gals fluid w/ 1 ppg 20-40 sand (10,000#)  
 10,000 gals fluid w/ 2 ppg 20-40 sand (20,000#)  
 10,000 gals fluid w/ 3 ppg 20-40 sand (30,000#)  
 10,000 gals fluid w/ 4 ppg 20-40 sand (40,000#)  
 5,000 gals fluid w/ 4 ppg 10-20 sand (20,000#)  
 4,788 gals slick water flush

Total fluid: 60,000 gals Mini-Max III-30 gel w/ 60 gals aquaflo, 32 gals x-cide, and 2% lease condensate; 4788 gals slicked water w/ 50# FR-2

Total sand: 100,000# 20-40 & 20,000# 10-20

Treating pressures: Min ±2900 psi; max ±4000 psi, ave.  
 3200 psi ISDP 1850 psi Final shut in pressure ±1250 psi  
 after 15 min. Ave. Injection Rate ±36 bpm.

Well shut in over night.

JEROME P. McHUGH  
 Hardie #5E  
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5-15-81 Open well to pit after frac. Flowed back frac water all day. Went in hole w/ 1½" tbg. Tagged sand at 7195' RKB. Shut rains and installed valve on tbg. Let well flow to pit over night.

5-16-81 Well kicked off thru csg. Move in pump and pit. Cleaned out to PBTD. Well died. Landed tbg. as follows: 226 jts. 1½" OD, 2.4#, V-55, 10 Rd., EUE tbg. T.E. 7269.07' set at 7276' RKB. Tbg. has cross pin on bottom for swab stop. Nipple down B.O.P. Nipple up well head. Shut well in. Rig down MTK.