

5 MMS, Fmn

1 McHugh

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 ☐ gas ☒ 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: 920' FNL - 910' 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:

☒  
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☐  
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☐

5. LEASE

NM 04083

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Hill Well

9. WELL NO.  
1

10. FIELD OR WILDCAT NAME  
Gavilan P.C.

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 16 T25N R2W

12. COUNTY OR PARISH  
Rio Arriba

13. STATE  
NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
7270' GL

(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.)\*

See reverse for report of acid 5-20  
perfs 5-21  
frac 5-22  
tubing 5-24-82.

Subsurface Safety Valve, Manu. and Type

Set @ \_\_\_\_\_ Ft.

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

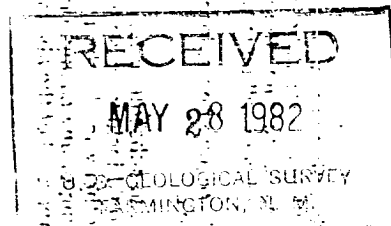
SIGNED Thomas A. Dugan TITLE Petroleum Engineer DATE 5-27-82

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_ DATE \_\_\_\_\_

NMOCC



5-10-82 Wash 4½" casing down from 3500 to T.D. 3620'.  
Ran total of 91 jts. 4½" O.D., 10.5#, K-55, 8 Rd, ST&C casing.  
T.E. 3615.74' set at 3620' RKB.

Cemented with 100 sx 65-35 pos plus 12% gel with ¼# cello flake per sk followed by 75 sx class "B" with 12½# gilsonite per sk and ¼# cello flake per sk. (Total cement slurry 368.5 cu.ft.) Good returns throughout job. Reciprocated casing OK while mixing and pumping cement. Maximum cementing pressure 400 psi. Bumped plug with 900 psi. Float failed to hold. Left well shut in over night. Job complete at 7:00 p.m. 5-10-82. Released rig at 7:30 p.m. 5-10-82.

#### DAILY REPORT

5-19-82 Move in and rig up MTK Inc. Rig #1. S.D.O.N.

5-20-82 Pick up tubing and tag cement at 3287' GL.(PBTD) Hang tubing at 3279'. Rig down MTK. Rig up Smith Energy and circulate hole with 8 bbls of fresh water. Spot 250 gals of 7½% inhibited HCL from 3580 to 3206' GL.

5-21-82 Rig up MTK Inc. #2 and P.O.O.H. with tubing. Rig up Geosource Inc. and run GR-CCL correlation log from 3583' (PBTD) to 3000' GL, Perforate Pictured Cliffs Formation, using a 3-1/8" hollow carrier gun at 3504-09, 3511-16, and 3562-76 for a total of 23 holes. Rig up Smith Energy and Nowsco Inc. Shut down due to mechanical problems.

5-22-82 Foam frac Pictured Cliffs Formation using 70% N<sub>2</sub> foam as follows:

10,000 gals foam pad  
10,000 gals foam with 1 ppg 10-20 sand  
20,000 gals foam with 2 ppg 10-20 sand  
2,390 gals foam flush

Total Fluid: 302 bbls water, 403,632 scf N<sub>2</sub>, 77 gals soap  
Total sand: 50,000# 10-20 mesh sand  
Treating pressures: Max ±1800 psi; Min ±1600 psi  
Ave ±1700 psi at 20 bpm  
ISDP 1600 psi; 1300 after 10 min shut-in

Opened well to atmosphere thru 3/4" choke at 10:50 a.m.

5-24-82 Well flowing ±75 MCFPD and lifting heads of foam. Pick up tbg. and tag sand at 3218' G.L. (bottom 14 perfs covered); Ran 106 jts. of 1½" 2.4#, V-55, 10 Rd, EUE tubing. T.E. 3483.10' set at 3482' GL. Nipple up well head and rig down.