

6 - USGS 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 ☐ well gas ☒ well other ☐
2. NAME OF OPERATOR  
Jerome P. McHugh
3. ADDRESS OF OPERATOR  
P O Box 208, Farmington, NM
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1660' FNL - 1570' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE  
Contract #98
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Jicarilla Apache
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME  
Apache
9. WELL NO.  
#5E
10. FIELD OR WILDCAT NAME  
Basin Dakota
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 17 T26N R3W
12. COUNTY OR PARISH  
Rio Arriba
13. STATE  
NM
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
7122' GR

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:

☒ Completion  
☐ Fracturing  
☐ Acidizing  
☐ Repair  
☐ Plug  
☐ Abandon  
☐ Other

RECEIVED  
SEP 23 1981  
U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

(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 perfs 9-17  
acid/frac 9-17 & 9-18-81  
tubing 9-19-81



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SEP 24 1981  
BY *[Signature]*

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

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

SIGNED Jim L. Jacobs TITLE Agent DATE 9-21-81

(This space for Federal or State office use)

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

NMOCC

## DAILY REPORT

9-15-81 Move in and rig up MTK Rig #2. Nipple up B.O.P. Went in hole w/ tbg. and bit. Tag up on cement at 3915'. Drilled 30' cement.

9-16-81 Drilled D.V. tool at 3947'. Circulated hole clean. Went in hole w/ tbg. Tag up at 6090'. Drlg. cement and D.V. tool at 6172'. Go in hole w/ tubing. Tag up at 8060'. Drlg. out cement at 8090'.

9-17-81 Drlg. out cement to 8220'. Circulate hole clean. Wait 3½ hrs on Smith Energy.

Pressure csg. to 4000 psi. OK. Spot 250 gals 7½% HCL.  
P.O.H. Rig up Jetronics. Ran GR-CCL from PBTD 8212 to 7800'.

Perf. Dakota 8016, 18, 22, 24, 26, 28, 30, 98; 8100, 07, 09, 11, 33, 35, 37, 39, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91.

9-17-81 All 1 SPF. Total 26 holes.  
(Cont.) Rig up Smith Energy. Break formation down at 2000 psi. Pumped 250 gals 15% HCL. Dropped 40 balls. Had good ball action at 3000 psi. Did not ball off. ISDP 1400 psi. Ran 4½" junk basket. Picked up 38 balls (15 hits).

9-18-81 Rig up Smith Energy and fracture Dakota formation using GDX-7 cross linked gel as fluid as follows:

15,000 gals GDX-7 pad  
20,000 gals GDX-7 w/ 1 ppg 20-40 sand  
20,000 gals GDX-7 w/ 1.5ppg 20-40 sand  
15,000 gals GDX-7 w/ 2 ppg 20-40 sand  
10,000 gals GDX-7 w/ 2 ppg 10-20 sand  
5,460 gals fresh water flush

Total sand: 80,000# 20-40 mesh & 20,000# 10-20 mesh  
Total fluid: 80,000 gals GDX-7 w/ 1600 gals lease condensate, 5460 gals fresh water.

Treating pressure: Max ±3200 psi, Min ±2300 psi, Ave ±2600 psi  
ISDP ±1900 psi, 10 min. shut-in ±1800 psi  
Ave. Inj. rate ±28 BPM

Shut well in over night.

9-19-81 Open well up. Flowing water to pit. T.I.H. w/ tbg. Tag sand at 8206' RKB. Ran 253 jts. of 1½" 2.9# V-55, 10 Rd EUE tubing.  
T.E. 8087.49' set at 8097' RKB.