

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Cont. #98

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla "A"

9. WELL NO.

7

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Sec. 20, T26N, R3W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

N. M.

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Jerome P. McHugh

3. ADDRESS OF OPERATOR

Box 234, Farmington, N. M. 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

1100' fnl, 990' fw1

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7099' Gr.

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

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

10/31/69

P.B.T.D. 8180'. Picked up 2 3/8" O.D. tbg., drilled stage tools at 3003' and 6145', cleaned out to 8103', pressure tested csg. to 4000 psi, held O.K. Spotted 300 gal. 15% HCl, pulled tbg., ran CO International Gamma Ray Correlation log.

11/1/69

P.B.T.D. 8180' Perf. 2 jets/ft. 8066' - 8072', 8103' - 8107', 8126' - 8118', 8146' - 8152', & 8155' - 8159'. Attempt to fracture with Bonelli, pumped 154 bbls. water with no sand or friction reducing agents, formation locked up, flowed back twice, unable to pump into formation, went in hole with tbg., circulated hole, recovered lots of frac sand and misc. trash, pulled tbg., fractured with 3500 H.P. 30,000# 20-40 sand, 1285 bbls. water, spearhead 300 gal. 15% Acid, I.F. 2800 psi, Ave. 3800 psi. Max. & Final 3000 psi. Instant shut in 2000 psi, 15 min. shut in 1800 psi. Ave. I.R. 38 D/M. Perforate 2 jets/ft. 7972' - 7984'. Fractured all perforations with 54,000# 20-40 sand, 1363 bbls. water with 2 1/2# J-150 friction reducing agent, spearhead with 300 gal. HCl. I.F. 3800 psi, min. 3500 psi, ave. 3700 psi. Max. 3900 psi, final 3950 psi. Ran out of fluid. Instant shut in 1800 psi, 5 min. shut in 1700 psi. Ave. I.R. 38 D/M. Left well shut in 2 hrs., flowed well back. Went in hole with 2" tbg., cleaned out 32' frac sand, circulated hole clean.

11/2/69

P.B.T.D. 8180'. Laid down 2 3/8" tbg. Ran 255 jets. 1 1/4" O.D., 2.4%, JCN, 16R, EUE tbg. set at 8131' R.K.B. Well kicking - pumped out tbg. plug with liquid soap and water, dropped soap sticks. Installed top tree, released rig, left well open.

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

SIGNED Original signed by J. A. DugganTITLE EngineerDATE 12/23/69

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

*See Instructions on Reverse Side

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.