

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

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Jerome P. McHugh		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR Box 234, Farmington, N. M.		8. FARM OR LEASE NAME Jicarilla A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1650' fsl 990' fw1		9. WELL NO. 4
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Basin Dak. & Gallup
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 8280' 7192' Gr.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19, T26N, R3W
		12. COUNTY OR PARISH Rio Arriba
		13. STATE N. M.

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

9-18

Picked up 2 3/8" O.D. tbg, drilled stage tools at 3954' and 6145', cleaned out to 8245', pressure tested csg to 3500 psi, held O.K., spotted 300 gal. 15% HCl, pulled tbg.

9-19

P.B.T.D. 8245'. Ran Go International gamma ray correlation log, perf. 2 jets per ft. 8020-24, 8152-57, 8162-66, & 8191-8201. Broke fm. down at 2900 psi, started sand frac, locked up with 226 bbls. fluid in hole, bled back and pressured up twice, unable to pump into fm, went in hole with tbg, circulated hole, recovered thick balls of friction reducing agents, spotted 300 gal. 15% HCl acid, pulled out of hole, Dowell frac Dakota with 50,000# 20-40 sand, 1550 bbls water w/2 1/2# J-100 friction reducing agent. I.F. 3400 psi, Ave. 3200 psi, Max. 4000 psi, Min. 3000 psi, Final 4000 psi. Instant shut in 2400 psi; 5 min. shut in 2000 psi; Ave. I. R. 53 B/M, made two ball drops of 10 balls each, good ball action. Perf. 2 jets per ft. 7544 to 7550', spearhead w/300 gal. 15% HCl, frac Gallup w/20,000# 20-40 sd, 778 bbls. water w/2 1/2# J-166 per 1000 gal. I.F. 3300 psi, Ave. 3500 psi, Max. 3500 psi; Instant shut in 1300 psi, 5 min. shut in 1000 psi. Ave. I. R. 46.5 B/M.

9-20-69

P.B.T.D. 8245' - Ran tbg. w/bit, cleaned out to 8245', wellkicking for 6 hours - died, check sand fill up, circulated hole, laid down 2 3/8" tubing, set Baker Model "D" packer at 7960' on Go International wireline.

9-21-69

P.B.T.D. 8245'.. Ran 257 jts. 1 1/4" O.D. 2.4# JCW 10R EUE tbg, set at 8169' w/Baker seal assy. at 7960, and Baker blast joints at 7540 to 60, ran 239 jts. 1 1/4" O.D. 2.4# JCW 10R EUE tbg set at 7574 RKB, released rig.

Original signed by T. A. Dugan

SIGNED

TITLE

Engineer

DATE

11/25/69

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

NOV 26 1969

OIL CON. COM.
DIST. 3

*See Instructions on Reverse Side