

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SEE INSTRUCTIONS
(Other instructions on reverse side)

Form 159-10-1
Budget Bureau No. 42-114

5. LEASE DESIGNATION AND SERIAL NO.

Contract 90

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Chris

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Blanco Mesaverde

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

Sec 21, T27N R3W

12. COUNTY OR PARISH 13. STATE

Rio Arriba

NM

1. ☐ OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Jerome P. McHugh

3. ADDRESS OF OPERATOR

Box 234, Farmington, NM 87401

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

1640' FNL - 1000' FEL

14. PERMIT NO.

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

7184' 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

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREAT

SHOOTING OR ACIDIZING

(Other)

perf and tbq

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

9-21-78 Hauled additional tbq to location. Cleaned out to PBTD 6230' RKB. Circulated hole clean. Laid down 2-3/8" tbq. Wellex ran gamma ray correlation and collar log and perforate w/1 jet per foot 6194-6204', 6178-6190, 6139-6147, 6102-6107, and 5806-5815 (total of 44 holes). Prepare to sand water frac well.

9-22-78 Western Co rigged up, broke fm down at 1300 psi. Ran 500 gal 15% HCl with 60 balls, press 2000 psi at 40 B/M, balls hit got two pressure breaks, flow rate meter broke. Did not ball off, max press 3200 psi, IR unknown, bled pressure off, repaired wellhead leak, ran Baker gauge ring and junk basket on rig sand line, recovered some balls, unable to get out of basket. Shut down 4 hours, waited on Western Co. to repair blender.

Fraced Mesa Verde fm using 2059 horsepower, 2354 bbls of water with 2 lbs FR-2 per 1000 gal, 87,800 lbs of 20-40 sand, IF 2800 psi, Ave 2000 psi, Max 4400 psi, Min 1600 psi, Final 3600 psi, ISDP 700 psi 10 min shut in 450 psi. Max IR 52 B/M. Ave IR 45 B/M, Made two ball drops of 10 balls each, first drop press increased 500 psi, second drop pressure increased 1000 psi and cut IR 20 B/M. Completed job at IR 27 B/M 3800 psi.

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

SIGNED

Thomas A. Dugan

TITLE Petroleum Engineer

DATE

12-4-78

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

(CONT'D ON BACK)

DEC 07 1978

U.S. GEOLOGICAL SURVEY

9-26-78

Rigged up NOWSCO and Allied Service pump truck to clean out sand w/Nitrogen and soap to PBTD 6220'. Landed 189 jts 1-1/4" OD 2.4# V-55 EUE 10R tbgs. TE 6145.98' set @ 6156' RKB. Nippled down BOP. Nippled up wellhead. Unloaded well through tbgs with nitrogen. Used total of 178,000 st. cu ft. of nitrogen. Left well flowing to atmosphere. Well died after one hour.