

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

5. LEASE DESIGNATION AND SERIAL NO.

SF 078016-SF 078502 A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or to go back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Jerome P. McHugh	8. FARM OR LEASE NAME Hardie
3. ADDRESS OF OPERATOR 930 Petroleum Club Bldg., Denver, Colorado	9. WELL NO. 4
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  800' fs] 1190' fw]	10. FIELD AND POOL, OR WILDCAT Basin-Dakota
14. PERMIT NO.	11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA 24-T29N-R8W NMPM
15. ELEVATIONS (SHOW whether DF, RT, CR, etc.) 6373' Gr. 6386' RKB	12. COUNTY OR PARISH San Juan
	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

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

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\*

(NOTE: Report results of multiple completion on Well Completion or Reccompletion 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.)\*

10/10/67 PSTD 7593' Ran Welox Gamma Ray Correlation log, press. tested csg. and well head to 4000 psi., held O.K. - went in hole w/gun, unable to correlate collars w/Correlation log. Pulled gun, re-ran Correlation log-perf. 2 jets per ft. 7445-47, 7453-55, 7481-83, 7505-07, 7524-26, 7540-42, 7548-50, 7557-59, 7568-70, & 7594-96. Frac w/Bowell 4000 hp. 20,000# 20-40 sd., 35,200 gal. water w/2 1/2# J-100 per 1000 gal. I.F. 4400 psi., Ave 4200 psi., Final 4250 psi. Ave. I.R. 42 BPM. Instant shut-in 3100 psi. 5 min. shut-in 2200 psi. Perf. 2 jets per ft. - 7338-42 & 7348-54, frac all perf. w/60,000 #20-40 sd. 74,500 gal. water w/2 1/2# J-100 per 1000 gal. I.F. 3900 psi. Min. 3600 psi. Max. 4400 psi. Ave. 4000 psi. Final 4450 psi. Instant shut-in 2150 psi. - 5 min. shut-in 2000 psi. Max. I.R. 54 B/M Ave. I.R. 46 B/M. Drop 8 tails after 30,000# sd. in-press. increased 200 psi. to 4450 psi. Injection rate decreased 54 B/M to 33 B/M - left well shut-in 1 1/2 hrs. - flowing well back.

10/11/67 PSTD. 7593' Well kicked off making est. 2684 MCF. Ran 237 jts. 1 1/4" O.D., 2.4# YCo. J-55, 10R EVE Youngstown Clg. T.B. 7505.34 set at 7517' RKB.

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

SIGNED

TITLE

Engineer

DATE 10/12/67

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:



RECEIVED

OCT 13 1967

\*See back on Reverse Side

U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.