

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

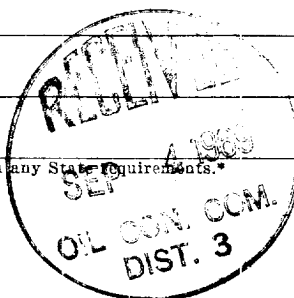
SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Cont. #98	
2. NAME OF OPERATOR Jerome P. McIlugh		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
3. ADDRESS OF OPERATOR Box 234, Farmington, N. M.		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  1650' fs1 790' fw1		8. FARM OR LEASE NAME Jicarilla A	
14. PERMIT NO.		9. WELL NO. 2	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6939' Gr.		10. FIELD AND POOL, OR WILDCAT Gallup & Basin Dakota	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 18, 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 <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input checked="" type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(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.)

4/13/69 Spudded at 12 noon, 4/13/69. Ran 7 jts. 3 5/8" csg. set at 200' R.K.B. cemented with 175 sx. Class "C" with 2% Cacl. Circulated cement. Plug down at 4:00 p.m.

3/2/69 8127' Ran Dresser Atlas I.P.S. Density log. wt. 9.2 vis 78 Conditioned hole, laid down drill pipe. Ran 246 jts. 5 1/2" O.D., 14, 15.5, and 17#, K-53, ST&C Lone Star & CF&I csg. T.E. 8140.93' set at 8126' R.K.B.

5/3/69 T.D. 8127'. B.J. cemented first stage w/125 sx. Class "A" 3% gel. 200 sx. Class "C" 7 1/2" bit over sx. Reciprocated pipe O.K. with good returns til last 35 bbls. of displacement - pipe stuck while reciprocating and lost all returns. Withdrew pipe to bottom, no returns, remainder of job. P.O.B. 6:45 a.m. Cased stage tool at 5995'. Pumped in 200 bbls. mud 10% L.C.M. No returns - wait 3 hrs. - pump in 50 bbls. mud - no returns. Cement second stage through Baker stage tool at 5995' with 100 units HYS-400 (600 cu. ft.). No returns while cementing. Max. cementing press. 400 psi. P.O.B. 10:24 a.m. Cement third stage through Baker stage tool at 3757' with 150 units HYS-400 (900 cu. ft.) - had partial returns while cementing. P.O.B. 11:20 a.m.

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

Original signed by  
SIGNED Jim L. Jacobs

TITLE Agent

DATE 8/29/69

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

RECEIVED

SEP 3 1969

\*See Instructions on Reverse Side

U. S. GEOLOGICAL SURVEY  
DURANGO, COLO.

20

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

8. (When in duplicate)  
(Check instructions on re-  
verse side)

Form approved  
Budget Bureau No. 42-R1-24

5. LEASE DESIGNATION AND SERIAL NO.

Cont. #00

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla A

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Callun? Basin Dakota

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

Sec. 10, T20N, R2E

12. COUNTY OR PARISH

Dio Arriba

13. STATE

N. M.

1. OIL  
WELL ☐ GAS  
WELL ☒ OTHER

2. NAME OF OPERATOR

James A. Mough

3. ADDRESS OF OPERATOR

Box 204, Farmington, N. M.

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

1036' TSI 700' TSI

14. PERMIT NO.

15. ELEVATIONS (Show whether 50, 80, or 100 ft.)

1036' TSI 700' TSI

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

NOTICE OF INTENTION TO:

TEST WADA SHUT-OFF

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SELL OR ALTER CASING

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MULTIPLE COMPLETIONS

ABANDON\*

CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

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☐

FRACURE TREATMENT

SHUT-IN OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

COMPLETION\*

☐  
☐  
☐  
☐  
☒

Complete

(Note: Report results of multiple completion on Well  
Completion or Recompletion Report form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Include a sketch of well location and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give measurements and true vertical depths for all markers and zones pertinent to this work.)

Well is located on the surface of the land.



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

Original signed by  
Jim L. Jacobs

SIGNED

DATE

8/20/69

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

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SEP 3 1969

See attached map on reverse side

U. S. GEOLOGICAL SURVEY  
DURANGO, COLO.

St

7680' - 7685'. Drilled 2 1/2" tbg., run to 7687' and 5995', cleaned out to 7680', circulated hole clean, annular tension chg. and B.O.P. to 3500 psi, held 8 H.R. Spotted 100 gal. 100# oil sol. filled tbg., ran Jet-Tech Gamma Ray Correlation log, perf. 2 jets, 7682' - 7684' - 7685' - 7686' - 7687' - 7688' - 7689' - 7690' - 7691' - 7692' - 7693' - 7694' - 7695' - 7696' - 7697' - 7698' - 7699' - 7700'. Frac Dakota with 1000# 20-40 sd., 5 min. 10 min. water w/2 1/2# J-105 per 1000 gal., I.F. 3500 psi, Ave. 2500 psi, Final 3500 psi, ave. I.R. 50 B/W. Developed bad leak in 2 1/2" tbg., patched ann., repaired leak, perf. 2 jets per ft. 7685' - 7686', 7687' - 7688', frac all perf. with 67,000# 20-40 sd., 2000 gals. water with 2 1/2# J-105 per 1000 gal., I.F. 2600 psi, Ave. 2500 psi. Max. and Final 3400 psi. Isolated shut in 1000 psi, 5 min. shut in 1700 psi, ave. I.R. 60 B/W. Set bridge plug at 7715'. Perf. 2 jets per ft. 7688' - 7689'.

Frac. Callup formation with 35,000 80-100 lb., 1000 bbls. water with 2 1/2# 3-158 per 1000 gal, seawater 100 gal, 100,000 ahead of frac. I.F. 3500 psi, max. 3600 psi, Ann. 2400 psi, min. 2000 psi, 1500 psi, Instant shut in 900 psi, 5 min. shut in 500 psi. Ann. 1000 psi, 80 S/W, shut well in 2 hrs. under Bonall rigrod down, closed well down 4' in hole, drilled bridge plug at 7715' lost and pulled to Callup while drilling bridge plug. Cleaned out to 8350' - pulled plug to base, Callup perf. Well kicked off flowing by hand. Ran log. 80' sand on bottom, 20' sand on bottom, pull cbg. up above Callup perf., 20' sand on bottom.

Depth 8080'. Check and 100-psi. test good. clean, laid down 2 1/2" tag., Jet-Tech ran down 100-psi. test. The gas set at 7770'. Ran 252 jts. of 1 1/4" O.D., 2.44, 30.75 O.D. and 30.75 O.D. with Baker seal assembly and blast jts. T.E. 7951.27' set at 7951.27'.

7300' 8093'. Rm 212 (pr. 1-2) A.D., 2-15, JCN 10R, EME chg. T.E.  
7302' cut at 7342' 2-15. Fought off 11 dead, pumped out plugs in  
the, released Signal via to make it desirable A #3. Moved.



RECEIVED  
SEP 3 1969

U. S. GEOLOGICAL SURVEY  
DURANGO, COLO.