

LEASE NAME: Mudge LS WELL NUMBER: 16

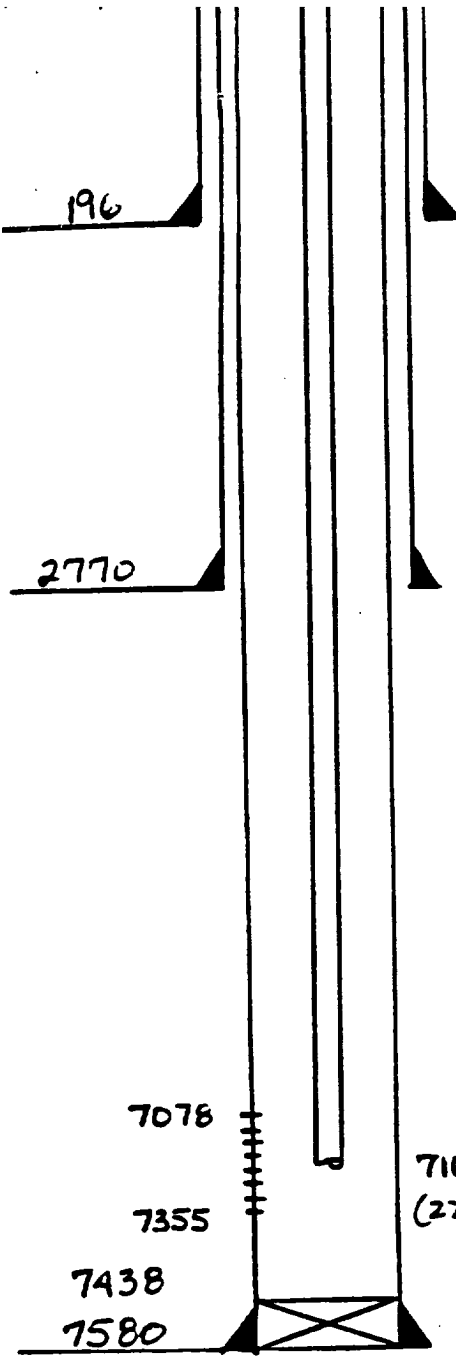
12. TOOH w/tbg and bit. *RU 2 choke manifolds for flowback. Test valves/chokes to 2000#.*
13. RU perforating company.
14. Run GR/CCL from PBD to 7000'.
15. RIH w/3-1/8" premium charge csg gun. Perforate as follows w/2 JSPF:

<u>Interval</u>	<u>Ft.</u>
7428-66'	38
7474-7497'	23'
7520-42'	22'
7550-70'	20'
Total	103'

16. RIH w/redressed pkr on 2-3/8" tbg to 7380'. PT BS to 500 psi (SN one jt off btm).
17. Establish rate into Morrison.
18. Acidize dn tbg w/2000 gals 7-1/2% DIHCL weighted w/salt to 1.1 SG and 200 1.1 SG ball sealers. Acidize @ 6-8 BPM.
19. Surge balls off perms. Flow back load.
20. RU pump truck and begin step-rate test as follows:

<u>Rate (BPM)</u>	<u>Time (min)</u>	
1/8	30	
1/4	30	
1/2	30	
3/4	30	
1	30	
1-1/2	30	Record pressure @ end of each rate.

21. TOOH w/tbg and pkr.
22. RIH w/openended 2-3/8" tbg w/SN 1 jt off btm. Land @ 7400'.
23. NDBOP. NUWH. RDMSU.



2442/2/AMM
 LEASE Mudge LS
 WELL NO. 16

CASING:

10 3/4 "OD, 32.75 LB, H-40 CSG/W 200 SX
 TOC @ surf . HOLE SIZE 15 : DT: 7/18/60
 REMARKS _____

7 5/8 "OD, 26.4 LB, J-55 CSG/W 250 SX
 TOC @ 980 . HOLE SIZE 9-7/8 DT: 7/23/60
 REMARKS Temp survey

5 1/2 "OD, J-55 LB, 17 CSG.W/ 200 SX
 TOC @ 4950' . HOLE SIZE 6-3/4 DATE 8/3/60
 REMARKS Temp survey

TUBING:

2 3/8 "OD, 4.7 LB, J-55 GRADE, 8 RD, EUE CPLG
 (228 jts) LANDED @ 7163 . SN, PACKER, ETC. _____
 _____ "OD, _____ LB, _____ GRADE, _____ RD, _____ CPLG
 LANDED @ _____ . SN, PACKER, ETC. _____

PUMP _____ RODS _____ ANCHOR _____

DETAILED PROCEDURE:

1. MIRUSU. NDWH. NUBOP.
2. Pick up tbg. RIH w/2-3/8" tbg and tag bottom. (May be lower than 7438')
3. Tally out w/tbg. Visually inspect tbg. If in poor condition, hydrotest into hole.
4. RIH w/fullbore pkr on 2-3/8" tbg to 7000'. PT BS to 500 psi to check for csg leak. Establish rate into Dakota perms w/fresh water.
5. Squeeze Dakota w/100 sx Class B w/2% CaCl. Max squeeze pressure = 2000 psi.
6. Once done with cmt displacement, check for flowback, release pkr and reverse circulate tbg clean.
7. Pull 5 stands and reset pkr and pressure up on cmt. WOC overnight. Unset pkr and TOOH. If csg did not PT in step 4, squeeze leak w/100 sx Class B w/2% CaCl.
8. RIH w/4-3/4" bit, x-over to 2-3/8" tbg and 2-3/8" tbg to TOC.
9. DO cmt. PT squeeze to 500 psi for 5 minutes.
10. TOOH to check bit condition. Replace if necessary.
11. RIH w/4-3/4" bit on tbg to DO cmt to 7575'. PT to 500 psi for 5 minutes.

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

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

BUREAU OF LAND MANAGEMENT NO. 1004-0135
Expires August 31, 1985

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.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR <p align="center">Tenneco Oil Company</p></p> <p>3. ADDRESS OF OPERATOR <p align="center">P.O. Box 3249 Englewood, CO 80155</p></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <p align="center">920' FNL, 1650' FEL</p></p> <p>14. PERMIT NO.</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. <p align="center">078040</p></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME <p align="center">Mudge LS</p></p> <p>9. WELL NO. <p align="center">16</p></p> <p>10. FIELD AND POOL, OR WILDCAT <p align="center">Basin Dakota</p></p> <p>11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA <p align="center">Sec 10B T31N R11W</p></p> <p>12. COUNTY OR PARISH 13. STATE <p align="center">SAN JUAN NM</p></p>
<p>15. ELEVATIONS (Show whether DF, ST, GR, etc.) <p align="center">5987 KB, 5977 GL</p></p>	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
BROOD OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	BROODING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANE <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.)*

Tenneco Oil intends to squeeze the non-productive Dakota formation and perform step-rate tests in the Morrison on the above referenced well using procedures as attached.

RECEIVED
JUN 23 1988
OIL CON. DIV. 1
DIST. 3

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

SIGNED *A. D. Chick* TITLE Staff Administrative Analyst DATE 6/13/88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE **APPROVED**

JUN 20 1988
[Signature]
AREA MANAGER

*See Instructions on Reverse Side
NMOCG