

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

Budget Bureau 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.)

|  |  |
|--|--|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER  | 5. LEASE DESIGNATION AND SERIAL NO.<br>SF-078039                       |
| 2. NAME OF OPERATOR<br>Tenneco Oil Company   | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                   |
| 3. ADDRESS OF OPERATOR<br>P.O. Box 3249, Englewood, Colorado 80155   | 7. UNIT AGREEMENT NAME   |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)<br>At surface<br>1720' FSL, 850' FEL | 8. FARM OR LEASE NAME<br>Barnes LS                                     |
|  | 9. WELL NO.<br>6A  |
|  | 10. FIELD AND POOL, OR WILDCAT<br>Blanco MV-PC                         |
|  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec 23, T32N, R11W |
| 14. PERMIT NO.<br>30-045-22396   | 12. COUNTY OR PARISH<br>San Juan                                       |
| 15. ELEVATIONS (Show whether of top of well or of formation)<br>6451' GR   | 13. STATE<br>New Mexico  |

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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 checked="" type="checkbox"/> | CHANGE PLANE         | <input type="checkbox"/> |
| (Other)             | <input type="checkbox"/>            |                      | <input type="checkbox"/> |

SUBSEQUENT REPORT OF:

|                       |                          |                 |                          |
|-----------------------|--------------------------|-----------------|--------------------------|
| WATER SHUT-OFF        | <input 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"/> |                 | <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 and 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 requests permission to do a casing repair according to the attached detailed procedure.

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OIL CON. DIV.  
DIST. 3

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

SIGNED [Signature]

TITLE Administrative Analyst I

(This space for Federal or State office use)

APPROVED BY [Signature]  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED

DATE 08/28/86

SEP 03 1986  
DATE

[Signature]  
bor AREA MANAGER  
FARMINGTON RESOURCE AREA

\*See Instructions on Reverse Side

NMOCC

# NIT Csg Repair

5883W/2/PMM

LEASE Barnes LS

WELL NO. 6A

## CASING:

9-5/8" OD, 32.3 LB, H-40 CSG W/ 224 cu ft

TOC @ surf. HOLE SIZE 12-1/4" DATE: 5/10/77

REMARKS Circulated cmt to surface

7" OD, 20.0 LB, K-55 CSG W/ 466 cu ft

TOC @ 3506'. HOLE SIZE 8-3/4" DATE: 5/15/77

REMARKS Top of cement @ 2500'

4-1/2" OD, 10.5 LB, K-55 CSG W/ 445 cu ft

TOC @ N/A. HOLE SIZE 6-1/4" DATE: 5/19/77

REMARKS Top of liner @ 3396'

## TUBING:

2-3/8" OD, 4.70 LB, J-55GRADE, 8 RD, EUE CPLG

LANDED @ 5786'. SN @ 5750'

1-1/4" OD, 2.33 LB, V-55GRADE, 10 RD, N/A CPLG

LANDED @ 3281'. SN @ 3244'

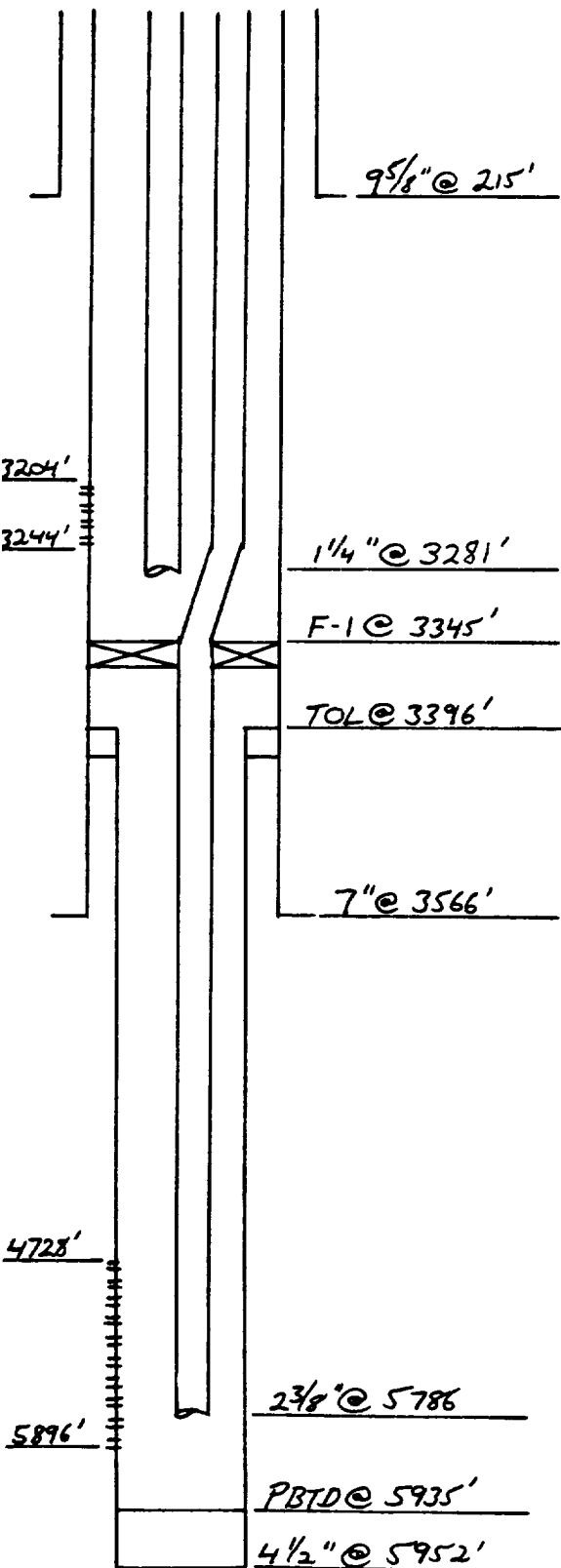
## PACKERS:

Model F-1 @ 3345' (4.00" ID. There is an unset

★ Model D on the liner hanger @ 3393 (3.25 ID).

## DETAILED PROCEDURE:

1. Check location for anchors. Install blowdown lines. Blowdown PC annulus overnight.
2. MIRUSU. PC tbg should be dead. Kill MV tbg w/1% KCl water. Kill annulus w/1% KCl water if necessary. NDWH. NUBOP w/1-1/4" rams. NU offset spool. Change out tbg for beveled collared tbg if necessary.
3. RU slip grip elevators and slips for the 1-1/4". Unseat and POOH w/1-1/4" (pull 40M# max). Visually inspect tbg for holes, slips and corrosion. (Square collars on 1-1/4" & 2-3/8" tbg.)
4. Change out rams, elevators and slips. Unseat & POOH w/2-3/8" tbg. Locator seal assembly @ 3345 has 3 seal units. Have Chevron seals replaced if necessary. Check tubing on the 52nd and 53rd stands for pitting and sand erosion.
5. PU 7" Model B Lok-Set RBP and Model L retrieving head and TIH on 2-3/8" tbg. Set RBP @ 2900'. POOH. PU a 7" Model C Fullbore



PROCEDURE - PAGE 2LEASE NAME: Barnes LS WELL NUMBER: 6A

5. (continued) pkr and TIH. Set pkr @ 2850'. PT tbg and annulus to 1000 psi. Release and reset pkr to isolate leak.
6. Set pkr 250' (approximately 10 bbls) above the top of the leak. Open the bradenhead valve. PT annulus to 1000 psi. Pump down tubing to establish injection rate and pressure. Check for flow from bradenhead. Squeeze leak w/150 sx D/S RFC 12-2 cement. Adjust amount of cement by length of leak and annular volume if circulation is established. Maximum squeeze pressure is 500 psi. Check for flowback. Release pkr and reverse circulate until returns are clear. Set pkr and repressure squeeze to 500 psi. SDON.
7. Release pkr and POOH. LD pkr. PU 6-1/4" bit, bit sub (no scraper) and TIH. Drill out squeeze while reverse circulating. Circulate hole clean. Test squeeze to 500 psi. Resqueeze if necessary.
8. PU 7" csg scraper and TIH. Work scraper through squeezed interval several times while reversing. POOH and LD bit and scraper.
9. PU Model L retrieving head and TIH. CO to RBP with foam. Latch on and POOH w/RBP.  
*Run GR-CCL*
10. RUWL and lubricator. <sup>A</sup>RIH and reperforate Mesaverde intervals as per attached sheet with 2-1/16" hollow steel carrier guns loaded 2 SPF @ 90 degree phasing. Note any pressure changes.
11. RIH w/2-3/8" long string as follows:
  - 5' 2-3/8" production tube w/1/2 muleshoe and exp. check valve
  - 1.781" seating nipple
  - 2540' 2-3/8" 4.7# J-55 8RD tbg w/beveled collars
  - Baker 80-40 "G" seal assembly w/3 seal units
  - 3345' 2-3/8" 4.7# J-55 8RD tbgCO with foam if necessary. Land tubing in pkr w/5-8M# compression.
12. Change out elevators, slips, and rams for 1-1/4" tbg. Install pump out plug in seating nipple and run 1-1/4" as it was run before.
13. NDBOP and NUWH. Pump 2 bbls 1% KCl water down MV tbg and drop ball. Pump 10 more bbls. Pressure up tbg with N<sub>2</sub> to pump out check valve. Pressure up on PC tbg with N<sub>2</sub> to pump out plug.
14. RDMOSU. Notify Mark McCool @ EPS.