

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.  
5. LEASE DESIGNATION AND SERIAL NO.  
USA - 407-NM 047  
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 plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT--" for such proposals.)

1.  OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Sun Oil Company

3. ADDRESS OF OPERATOR  
2525 Northwest Expressway, Oklahoma City, OK 73112

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
850' FSL & 1135' FEL

7. UNIT AGREEMENT NAME  
N/A

8. FARM OR LEASE NAME  
New Mexico - Federal "N"

9. WELL NO.  
6-E

10. FIELD AND POOL, OR WILDCAT  
Basin-Dakota

11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA  
Sec. 6-T30N-R12W

12. COUNTY OR PARISH  
San Juan

13. STATE  
New Mexico

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)  
6042' GR

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"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(Other) Revise Application to Drill

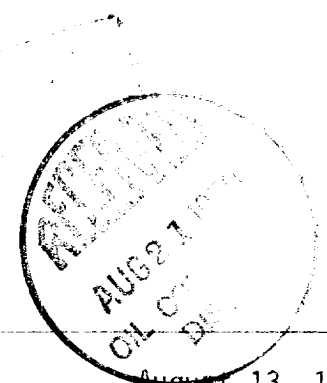
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)\*

Based on requirements to protect a fresh water aquifer (OJO Alamo) at a depth of approximately 780', we propose to increase the amount of cement used on the upper stage cement job from 1200 sxs 50-50 Pozmix plus additives to 1300 sxs. This will bring the calculated top of cement on the 4-1/2" production string to 650'. A temperature survey will be run to confirm the top of cement.

Attached per your request is 4-1/2" casing design data sheet for the subject well. For wells in this depth and pressure range, Sun Oil Company utilizes minimum design factors of 1.6 for tension, 1.0 for burst and .85 for collapse in the portion of the casing covered by cement for a distance of 1000' above the casing shoe. Above that point a 1.0 collapse design factor is utilized. Also note collapse calculations are performed assuming no internal hydrostatic pressure.

1373  
Jack Willock



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

SIGNED R.L. Maness TITLE Dist. Drilling Engineer DATE August 13, 1979

(This space for Federal or State office use)

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

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\*See Instructions on Reverse Side

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