Form C-103
(Revised 3-55)

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS
(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY Gulf Oil Corporation - Box 2167, Hobbs, N. M.
(Address)

LEASE H. T. Mattern "E" WELL NO. 4 UNIT M S 1 T 22-S R 36-E

DATE WORK PERFORMED 10-21 thru 11-7-55 POOL Arrowhead

This is a Report of: (Check appropriate block)

- [ ] Beginning Drilling Operations
- [ ] Plugging
- [ ] Results of Test of Casing Shut-off
- [ ] Remedial Work
- [x] Other Repair of Casing Leak

Detailed account of work done, nature and quantity of materials used and results obtained.

SEE ATTACHED SHEET

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. _____ TD _____ PBD _____ Prod. Int. _____ Compl Date _____

Tbng. Dia _____ Tbng Depth _____ Oil String Dia _____ Oil String Depth _____

Perf Interval (s) _____

Open Hole Interval _____ Producing Formation (s) _____

RESULTS OF WORKOVER:	BEFORE	AFTER
Date of Test		
Oil Production, bbls. per day		
Gas Production, Mcf per day		
Water Production, bbls. per day		
Gas-Oil Ratio, cu. ft. per bbl.		
Gas Well Potential, Mcf per day		
Witnessed by		

(Company)

OIL CONSERVATION COMMISSION

Name A. M. Kinsey

Title _____

Date _____

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name _____

Position Area Supt. of Prod.

Company Gulf Oil Corporation

Attachment - C-103

Gulf Oil Corporation - H. T. Mattern "E" No. 4-M, 1-22-36

Repaired leak in 6" casing as follows:

1. Pulled rods, pump and tubing.
2. Set 6" magnesium bridge plug at 3675'. Dumped 2 sacks cement on top of plug. Ran tubing with HRC tool. Located leak interval between 339' and 519'. Circulated to surface. Pulled tubing and HRC tool.
3. Perforated 6" casing with 2, 1/2" jet holes at 1000'. Ran tubing and HRC tool set at 975'. Pressured below tool. circulated to surface 3-1/2 bbls per minute at 1000#. Pulled tubing and HRC tool.
4. Ran tubing with 6" DM cement retainer set at 975'. Cemented below retainer with 928 sacks regular cement. Cement circulated. Released tubing from retainer. Left 10 sacks cement on retainer. WOC.
5. Tested casing and cement with 500# for 30 minutes. No drop in pressure. Drilled cement from 350-525'. Tested with 500# for 30 minutes. No drop in pressure. Drilled cement and retainer from 965-1000'. Tested with 500# for 30 minutes. No drop. Drilled Baker bridge plug at 3675' and cleaned out to TD. Pulled tubing and bit.
6. Reran tubing, rods and pump. Returned well to production.