Form C-103
(Revised 3-55)

HOBBS OFFICE OCC

1955 AUG 17 PM 3:57

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 W. T. McCormack WELL NO. 7 UNIT I S 32 T 21-S R 37-E

DATE WORK PERFORMED 9-6-54 thru 8-7-55 POOL Tubb Gas and Drinkard Oil

This is a Report of: (Check appropriate block)

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

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. 3464' TD 3765' PBD - Prod. Int. 3670-3765' Compl Date 3-3-39

Tbng. Dia 2-3/8" Tbng Depth 3760' Oil String Dia 8-5/8" Oil String Depth 3600'

Perf Interval (s)

Open Hole Interval 3600-3765' Producing Formation (s) Eunice Dolomite

10-11-46 - Drilled deeper to 6620' - Vivian - Top Pay 6497' - 5½" csg set at 6502'.

RESULTS OF WORKOVER:	BEFORE	AFTER
Date of Test	3-16-54	8-7-55
Oil Production, bbls. per day	27	8
Gas Production, Mcf per day	138.2	Not Taken
Water Production, bbls. per day	Trace	8
Gas-Oil Ratio, cu. ft. per bbl.	5119	-
Gas Well Potential, Mcf per day	-	1,700

Witnessed by F. C. Crawford Gulf Oil Corporation (Company)

OIL CONSERVATION COMMISSION

Name Warren Mankin

Title Engineer District I

Date AUG 18 1955

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

Name C. F. Jones

Position Area Supt. of Prod.

Company Gulf Oil Corporation

Attachment - C-103

Gulf Oil Corporation - W. T. McCormack No. 7-I, 32-21-37

Dually completed as a Gas-Oil well in the Tubb Gas and Drinkard Oil Pools as follows:

1. Pulled tubing. Reran tubing set at 6594'. GOT circulating valve at 6561' in closed position. Brown B-4 packer at 6430'. GOT circulating valve at 6391' in open position. Tested tubing and casing with 1000# for 30 minutes. No drop in pressure.
2. Pulled tubing above packer. Perforated 5-1/2" casing from 6320-6200' and 6170-6105' with 4, 1/2" Jet Holes per foot. Reran tubing with straddle packers at 6343' and 6183'. Swabbed dry.
3. Treated perforations in 5-1/2" casing from 6320-6200' with 4000 gallons 15% LT NE acid. Swabbed and well kicked off. Gas volume 790 MCF with 400# back pressure. Treated same perforations with 6000 gallons 15% LT NE acid. Swabbed and well kicked off. Gas volume 1,230 MCF with 275# back pressure.
4. Raised straddle packers to 6185' and 6025'. Swabbed dry. Treated perforations in 5-1/2" casing from 6170-6105' with 2000 gallons LT NE 15% acid. Swabbed and well kicked off. Gas volume 1,680 MCF with 500# BP.
5. Treated same perforations with 4000 gallons 15% LT NE acid. Swabbed and well kicked off. Gas volume 1,510 MCF with 600# BP.
6. Pulled tubing and straddle packers. Reran tubing with GOT circulating valve. Swabbed and well kicked off. Blew to air to clean up.
7. Closed upper circulating valve at 6391'. Blew tubing down. Closed in to test circulating valve and tubing. No build up. Opened lower circulating valve at 6561'. Casing pressure dropped from 1400# to 600# in 2 hours indicating communication.
8. WorthWell survey found communication back of 5-1/2" casing. Pulled tubing and ~~packer~~ circulating valves and packer. Ran Baker Model C open hole bridge plug on wire line set at 6512'. Dumped 20 gallons hydromite on top of plug. Perforated 5-1/2" casing with 4, 1/2" holes at 6485'.
9. Ran 5-1/2" magnesium cement retainer to 6356'. Pumped 20 sacks cement below retainer. Pumped 5 sacks cement out perforations at 6485'. Squeezed with 3000#.
10. WOC.
11. Drilled out cement and retainer to 6495'. Would not hold pressure.
12. Ran 5-1/2" Baker magnesium cement retainer set at 6362'. Pumped 15 sacks cement below retainer. Squeezed 8 sacks cement thru perforations at 6485'. WOC.
13. Drilled out cement and retainer. Tested with 550# for 30 minutes. No drop in pressure. Drilled out bridge plug and cleaned out to TD (6620').
14. Reran tubing set at 6594'. Circulating valve at 6561', Brown B-4 packer at 6430', circulating valve at 6391'. Swabbed and well kicked off and died.
15. Pulled tubing, packer and circulating valves. Ran 2-7/8" tubing with 5-1/2" Baker retrievable bridge plug at 6184'. Parent packer at 6049'. Treated perforations from 6105-6170' with 10,000 gallons acid frac with 1# sand per gallon. Swabbed and well kicked off. Gas volume 1,510 MCF at 400# BP. Pulled 2-7/8" tubing, parent packer, and bridge plug. Reran 2-3/8" tubing, B-4 packer, circulating valves same as before.
16. Closed upper circulating valve, opened lower circulating valve. Flowed 8 bbls oil, 8 bbls water in 2 hours and died. Closed in to pressure up.
17. Returned well to production.