

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY The Texas Company - P. O. Box 1270, Midland, Texas  
(Address)

LEASE 2. A. McMillan "A" WELL NO. 1 UNIT L S 3 T 19-S R 37-E  
DATE WORK PERFORMED See Below POOL Undesignated **DESIGNATED**

This is a Report of: (Check appropriate block) ☒ Results of Test of Casing Shut-off  
☐ Beginning Drilling Operations ☒ Remedial Work  
☐ Plugging ☐ Other \_\_\_\_\_

Detailed account of work done, nature and quantity of materials used and results obtained.  
This well as previously shut in as a non commercial gas well. It has now been plugged back and recompleted as an oil well in the following manner: Eled gas off casing and killed well by pumping in salt water. Pulled 2" tubing out of well and removed well head on 12-4-55. Ran 2 7/8" drill pipe with 7 7/8" Hughes bit and began cleaning out shot hole by reverse circulation at midnight 12-4-55. Drilled out iron at 3104' and washed down to 3125' on 12-7-55. Shot hole, began caving. Drilled out cement plugs and cleaned out down to 4031' and cemented 4023' of 5 1/2" casing set at 4031' with 1000 sacks. Completed 2 PM 12-27-55, cement circulated. Drilled out cement to plug back depth of 4040' and tested casing with 1000 PSI for 30 minutes on 12-29-55. Tested o.k., started drilling out plug at 2 PM 12-29-55. Perforated 5 1/2" casing at 4037' with 4 way shot on 1-3-56. Set cement retainer at 4014' and attempted to squeeze 4 way shot perforation at 4037'; pressured up to 5500 PSI, but unable to pump in cement. Drilled out retainer and pulled tubing. (See reverse side)

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. 3673' TD 7448' PBD 4002' Prod. Int. 3854'-3934' Compl Date (011) 1-8-56  
Tbng. Dia 2" Tbng Depth 3848' Oil String Dia 5 1/2" Oil String Depth 4031'  
Perf Interval (s) 3854' - 3934'  
Open Hole Interval \_\_\_\_\_ Producing Formation (s) Queen

RESULTS OF WORKOVER:

	BEFORE Shut in non- commercial gas well.	AFTER
Date of Test		1-14-56
Oil Production, bbls. per day		53 Flowed 8 hrs
Gas Production, Mcf per day		37.7
Water Production, bbls. per day		0
Gas-Oil Ratio, cu. ft. per bbl.		595
Gas Well Potential, Mcf per day		-

Witnessed by \_\_\_\_\_

(Company)

OIL CONSERVATION COMMISSION

Name C. M. Lundy  
Title \_\_\_\_\_  
Date \_\_\_\_\_

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

Name L. C. W. Lundy  
Position Asst. Dist. Supt.  
Company The Texas Company  
Box 1270  
Midland, Texas

Detailed account of work done: (Cont'd)

Perforated 5½" casing from 4033' - 4035' with 4 shots per foot by Welox on 1-5-56. Reperforated 5½" casing from 4033' - 4035' with 8 shots per foot. Unable to pump into formation at 5000 PSI. Set retainer at 4018' and dumped hydromite on top to a plug back depth of 4002'. Perforated 5½" casing from 3854' - 3934' with 4 shots per foot. Ran tubing to 3959' with packer at 3771'. Washed perforations from 3854' - 3934' with 500 gals. mud acid by Cardinal. Swabbed 44 bbls. of lead oil in 2 hrs. Reset packer and swabbed dry. Reran tubing open ended to 3810' and treated perforations from 3854' - 3934' with 112 gals. of Control flow and 40 bbls. of oil at 2000 PSI. Sand free through perforations from 3854' - 3934' with 20,000 gals. crude oil carrying 1 lb. of sand per gal. down casing. Completed 3:15 PM 1-10-56. Released packer and flowed 74 bbls of lead oil in 2 hrs. Lowered tubing to 3848' and swabbed 74 bbls. of lead oil in 3 hrs. Flowed 201 bbls. of lead oil in 16½ hrs. on 1-11-56. All lead oil recovered by 1-13-56.