

NEW MEXICO OIL CONSERVATION COMMISSION  
MISCELLANEOUS REPORTS ON WELLS

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

HOBBS DISTRICT  
1957  
100  
2  
35

COMPANY Cities Service Oil Company, Box 97, Hobbs, New Mexico  
(Address)

LEASE State AR WELL NO. 1 UNIT K S 2 T 20-S R 37-E

DATE WORK PERFORMED March 13 to 20, 1957 POOL Dumont  
inclusive

This is a Report of: (Check appropriate block)  Results of Test of Casing Shut-off  
 Beginning Drilling Operations  Remedial Work  
 Plugging  Other Set liner & frac

Detailed account of work done, nature and quantity of materials used and results obtained. A rotary workover rig was moved in. Well was cleaned out to 3820'. Ran gamma ray-neutron log 3350 to 3820'. Ran 10 joints (325.56') 4 1/2" OD 11.35% Hydril liner set at 3820'. Top of liner is at 3494'. Liner was cemented and the usual test was made using 4100 pounds pressure with no pressure drop. Left 25 sacks cement in liner. Cement was drilled out and well was cleaned out to 3820'. Tested shut-off after drilling plug with 4000 pounds pressure with no pressure drop. Displaced mud with water and water with oil. Perforated 3812-3808, (10'), 3796-3782 (16'), 3778-3762 (16'), 3758-3746 (12') total 52' with 5 jet shots per foot. Acidised with 500 gallon mud acid and then sand frac with 20,000 gallon crude and 20,000 pounds sand. The well was swabbed 6 1/2 hours when natural flow was restored. All lead was recovered and the well was tested with results as indicated.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:  
DF Elev. 3613 TD 3820 PBD - Prod. Int. 3522-3820 Compl Date 3-16-55  
Tbng. Dia 2 Tbng Depth 3768.65 Oil String Dia 5 1/2 Oil String Depth 3522  
Perf Interval (s) \_\_\_\_\_  
Open Hole Interval 3522-3820 Producing Formation (s) Queen

| RESULTS OF WORKOVER:             | BEFORE*  | AFTER          |
|----------------------------------|--|----------------|
| Date of Test                     | <u>10-12-56</u>                                | <u>3-20-57</u> |
| Oil Production, bbls. per day    | <u>44.8</u>                                    | <u>52</u>      |
| Gas Production, Mcf per day      | <u>1725</u>                                    | <u>249</u>     |
| Water Production, bbls. per day  | <u>0</u>                                       | <u>0</u>       |
| Gas-Oil Ratio, cu. ft. per bbl.  | <u>3962</u>                                    | <u>4799</u>    |
| Gas Well Potential, Mcf per day  | <u>-</u>                                       | <u>-</u>       |
| Witnessed by <u>H. J. Incehi</u> | <u>Cities Service Oil Company</u><br>(Company) |                |

OIL CONSERVATION COMMISSION

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

Name E. Fischer  
Title \_\_\_\_\_  
Date 1957

Name [Signature]  
Position District Superintendent  
Company Cities Service Oil Company

\* After the test was taken on 10-12-56 another test was made. Oil had declined to 20 BPD and the GOR increased to 46459. The well was shut in and a request was made to perform the remedial work described above.