

NUMBER OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
PRODUCTION OFFICE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103  
(Rev 3-55)

## MISCELLANEOUS REPORTS ON WELLS

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

DATE 12-10-36

Name of Company <b>Cities Service Oil Company</b>				Address <b>Box 97 - Hobbs, New Mexico</b>			
Lease <b>State A1</b>	Well No. <b>2</b>	Unit Letter <b>N</b>	Section <b>2</b>	Township <b>20-S</b>	Range <b>37-E</b>		
Date Work Performed <b>8-30-61</b>	Pool <b>Eumont</b>			County <b>Lea</b>			

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☒ Other (Explain): **Shut-in**
- ☐ Plugging
 ☐ Remedial Work

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

This well was drilled to 3835' in Line PBTD 3832' Line, and was completed as an oil well effective 1-15-58. Potential test of 10.8 bbls. oil, -0- water, GOR 13036.

Effective 8-30-61 this well was shut in due to GOR in excess of 100,000 to 1 and was re-classified as a gas well.

THE COMMISSION MUST BE NOTIFIED  
IN WRITING ON FORM C-103  
OF ANY CHANGE IN STATUS AND YOUR  
STATUS FOR THIS WELL

Witnessed by <b>C. G. Taylor</b>	Position <b>Asst. Prod. Foreman</b>	Company <b>Cities Service Oil Company</b>
-------------------------------------	--	--

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

### ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

### RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION		I hereby certify that the information given above is true and complete to the best of my knowledge.	
Approved by		Name	<b>Fred Lawson</b>
Title		Position	<b>Dist. Clerk</b>
Date		Company	<b>Cities Service Oil Company</b>

1. The first part of the paper is devoted to a general discussion of the problem of the existence of solutions of the system of equations (1) for arbitrary values of the parameters  $\alpha$  and  $\beta$ . It is shown that the system has solutions for all values of the parameters  $\alpha$  and  $\beta$  if the function  $f(x)$  is continuous and has a bounded derivative.

2. In the second part of the paper the problem of the existence of solutions of the system of equations (1) for arbitrary values of the parameters  $\alpha$  and  $\beta$  is solved. It is shown that the system has solutions for all values of the parameters  $\alpha$  and  $\beta$  if the function  $f(x)$  is continuous and has a bounded derivative.

3. In the third part of the paper the problem of the existence of solutions of the system of equations (1) for arbitrary values of the parameters  $\alpha$  and  $\beta$  is solved. It is shown that the system has solutions for all values of the parameters  $\alpha$  and  $\beta$  if the function  $f(x)$  is continuous and has a bounded derivative.

4. In the fourth part of the paper the problem of the existence of solutions of the system of equations (1) for arbitrary values of the parameters  $\alpha$  and  $\beta$  is solved. It is shown that the system has solutions for all values of the parameters  $\alpha$  and  $\beta$  if the function  $f(x)$  is continuous and has a bounded derivative.