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NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

Submit to appropriate District Office as per instructions
Nov 21 2 57 PM '63

Name of Company Union Oil Company of California		Address 205 E. Washington, Lovington, N.M.	
Lease South Caprock Queen Unit-Tract 39	Well No. 4-2B	Unit Letter D	Section 30
Date Work Performed 11-18-63		Pool Caprock Queen	Township 15-S
		Range 31-E	
		County Chaves	

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☒ Other (Explain): **Conversion of Well to Water Injection Service**
- ☐ Plugging
 ☐ Remedial Work

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

Pulled rods and tubing. Cleaned out to ETD of 3114'. Ran 3081' of 2" eue, 8rt, J-55 plastic lined tubing w/tension packer on bottom to 3091'. Set packer with 10,000# tension. Placed well on water injection on 11-18-63. Initial rate 1296 B/D at a vacuum.

Authority: NMCC Administrative Order NFX-153 dated 10-22-63.

Witnessed by R. H. Butler	Position Unit Engineer	Company Union Oil Company of California
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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.

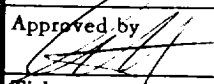
Approved by 	ORIGINAL SIGNED BY Name RICHARD H. BUTLER UNIT ENGINEER
Title	Position Richard H. Butler Unit Engineer
Date	Company Union Oil Company of California

Figure 1

23' 12' 12'

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[illegible][illegible]
$$f_{\text{max}} = \frac{1}{2\pi} \left(\frac{1}{\tau_{\text{max}}} + \frac{1}{\tau_{\text{min}}} \right) = \frac{1}{2\pi} \left(\frac{1}{\tau_{\text{max}}} + \frac{1}{\tau_{\text{min}}} \right) = \frac{1}{2\pi} \left(\frac{1}{\tau_{\text{max}}} + \frac{1}{\tau_{\text{min}}} \right)$$
$$\frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \int_0^t \frac{(t-s)^{\alpha-1}}{\Gamma(\alpha)} f(s) ds = I_{0+}^\alpha f(t),$$

The first two steps are the most important. The first step is to identify the problem. The second step is to define the problem. The third step is to identify the causes of the problem. The fourth step is to identify the effects of the problem. The fifth step is to identify the stakeholders involved in the problem. The sixth step is to identify the resources available to solve the problem. The seventh step is to identify the constraints on the problem. The eighth step is to identify the risks associated with the problem. The ninth step is to identify the opportunities associated with the problem. The tenth step is to identify the solutions to the problem. The eleventh step is to implement the solutions. The twelfth step is to evaluate the results of the solutions. The thirteenth step is to monitor the results of the solutions. The fourteenth step is to report the results of the solutions. The fifteenth step is to conclude the problem-solving process.