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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 Commission Rule 1100) MAY 11 8 40 AM '64

Name of Company Shell Oil Company		Address P. O. Box 1858, Roswell, New Mexico					
Lease Bootleg Ridge Unit	Well No. 1	Unit Letter C	Section 36	Township 22-S	Range 32-E		
Date Work Performed April 10 thru 12, 1964	Pool Bilberry Area Wildcat	County Lea					

THIS IS A REPORT OF: (Check appropriate block)

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

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

Ran 5092' of 10 3/4" (55.5#, N-80) casing and cemented at 5111' with 5000 sacks Incor + 8% gel + 15#/sack Gilsonite mixed at 12.5#/gallon and 200 sacks Incor regular + 2% CaCl₂. Plug down at 6:48 P.M. (MST), April 10, 1964. Did not circulate. After WOC 8 hours, ran temperature survey and found top cement at 2400'. Ran 1" pipe to 900' and cemented to surface with 550 sacks Incor + 8% gel + 2% CaCl₂ of which 100 sacks contained 15#/sack Gilsonite. Completed at 3:30 P.M. (MST), April 11, 1964.

Witnessed by Frank Jones	Position Production Foreman	Company Shell Oil Company
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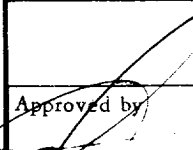
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P BTD	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 Original Signed By R. J. Deubek	Position Division Mechanical Engineer	
Date MAY 11 1964	Company Shell Oil Company		

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation $f(x) = \int_0^x f(t) dt$. It is shown that $f(x)$ is a constant function, and its value is determined by the initial condition $f(0) = 1$.

2. In the second part, we consider the problem of finding the maximum value of the function $f(x)$ on the interval $[0, 1]$. It is shown that the maximum value is attained at $x = 0$ and is equal to 1. This result is obtained by using the properties of the function $f(x)$ and the fact that $f(x)$ is a constant function.

3. Finally, we discuss the question of the uniqueness of the solution to the initial value problem. It is shown that the solution is unique, and its value is determined by the initial condition $f(0) = 1$.

4. The paper concludes with a discussion of the results and a list of references. It is shown that the function $f(x)$ is a constant function, and its value is determined by the initial condition $f(0) = 1$.