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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 1106)

Name of Company Amerada Petroleum Corporation				Address P. O. Box 668 - Hobbs, New Mexico			
Lease	Well No.	Unit Letter	Section	Township	Range		
B. V. Culp	1	0	31	198	37E		
Date Work Performed 11-6-64 to 12-9-64	Pool	County		Lease			

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 Gamma Ray Neutron and Detail log. Plugged back to 3855' with 80 gals. Hydromite. Swab tested. Drilled Hydromite plug from 3855' to 3890'. Ran 4-1/2" OD casing liner set at 3890' with top of liner in 6-5/8" casing at 3772'. Cemented with 50 sacks reg. Incon cement. Drilled out cement to 3868'. Perforated 4-1/2" casing from 3837' to 3838' and 3844' to 3850' with 2 shots per foot. Total 14 shots. Swab tested. Pumped 33 bbls. oil mixed with 2 gals. Hy-flo in perforations. Swab tested. Acidized perforations 3837' to 3850' with 250 gals. 15% reg. NE acid. Swab tested. Squeezed perfs. 3837' to 3850' with 125 sacks reg. Incon cement. Perf. 4-1/2" casing from 3806' to 3810', 3816' to 3818' and 3820' to 3824' with 2 jet shots per foot. Total 20 shots. Swab tested. Acidized with 250 gals. 15% reg. acid. Swab tested. Squeezed perfs. 3806' to 3824' with 125 sacks reg. Incon cement. Perforated 6-5/8" casing at 3771' and 4-1/2" liner from 3772' to 3777' and 3784' to 3794' with 2 jet shots per foot. Total 32 shots. Acidized perfs. 3771' to 3794' with a total of 2250 gals. 15% reg. NE acid. Swab tested. Ran rods and pump and resumed production.

Witnessed by A. J. Troop	Position Asst. Dist. Supt.	Company Amerada Petroleum Corporation
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FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev. 3871'	T D 3890'	P B T D	Producing Interval 3800' to 3890'	Completion Date 4-15-36
Tubing Diameter 2-7/8"	Tubing Depth 3882'	Oil String Diameter 6-5/8"	Oil String Depth 3800'	
Perforated Interval(s) 3800' to 3890'				

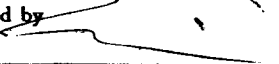
Open Hole Interval 3800' to 3890'	Producing Formation(s) Grayburg
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RESULTS OF WORKOVER

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	10-13-64	8.28	2.070	198.60	371	
	12-9-64	34.54	12.119	Tr.	345	

OIL CONSERVATION COMMISSION

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

Approved by 	Name R.C. Campbell
Title	Position District Superintendent
Date	Company Amerada Petroleum Corporation

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Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

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