

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106) 7:44

COMPANY Buffalo Oil Company, 203 Carper Bldg., Artesia, New Mexico
(Address)

LEASE Wm. Mitchell "B" WELL NO. 22-P UNIT 1 S 20 T 17S R 32E
DATE WORK PERFORMED Sept. 28, 1955 POOL Maljamar-Paddeok

This is a Report of: (Check appropriate block)

<input type="checkbox"/> Beginning Drilling Operations	<input type="checkbox"/> Results of Test of Casing Shut-off
<input type="checkbox"/> Plugging	<input type="checkbox"/> Remedial Work
	<input checked="" type="checkbox"/> Other

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

This well was producing 35 BOPD and no water prior to workover. The well was treated with 5000 gallons lease oil and 3000# sand, down the casing annulus. Maximum treating pressure was 3800 psi, and maximum injection rate was 4 BPM. After recovering all but 16 barrels of lead oil well died. An attempt was made to refrac with acid petrefrac but could not pump into perforations as pressure increased to 4800 psi. at 1 BPM. Then treated perforations with 40 gallons paraffin solvent mixed with 40 gallons kerosene, followed with 1000 gallons oil containing an emulsion breaker and followed by 500 gallons acid. Treating pressure was 3000 psi. at 4 BPM. The well was then treated with 3000 gallons acid petrefrac with 5000# sand. Maximum treating pressure was 4800 psi. With an injection rate of 5 BPM.

After recovery of lead oil well made 33 barrels oil per day and 36 barrels water, with a GOR of 847 cu. ft. per barrel.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. 3960' TD 5442' PBD 5288' Prod. Int. 5278-94' Compl Date 7-23-50
Tbng. Dia 2 7/8" Tbng Depth 51 Oil String Dia 5 1/2" Oil String Depth 5387'
Perf Interval (s) 5267'-5294'
Open Hole Interval - Producing Formation (s) Paddock

RESULTS OF WORKOVER.

RESULTS OF WORKOVER:	BEFORE	AFTER
Date of Test	<u>3-27-55</u>	<u>11-1-55</u>
Oil Production, bbls. per day	<u>35</u>	<u>33</u>
Gas Production, Mcf per day	<u>69.475</u>	<u>27.951</u>
Water Production, bbls. per day	<u>0</u>	<u>36</u>
Gas Oil Ratio, cu. ft. per bbl.	<u>1985</u>	<u>847</u>
Gas Well Potential, Mcf per day	<u>-</u>	<u>-</u>
Witnessed by <u>Larry Duncan</u>	<u>Buffalo Oil Company</u> (Company)	

OIL CONSERVATION COMMISSION

Name _____
Title _____
Date _____

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

Name Vincent Foster
Position Petroleum Engineer
Company Buffalo 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

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