

DUPLICATE

Form C-103
(Revised 3-55)

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

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

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

LEASE State "A" WELL NO. 1 UNIT P S 16 T 17S R 32E

DATE WORK PERFORMED 3-24-56 to 7-11-56 POOL Maljamar

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off
☐ Beginning Drilling Operations ☒ Remedial Work
☐ Plugging ☐ Other _____

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

SEE ATTACHED SHEET.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. 4009' TD 4112' PBD _____ Prod. Int. 4007'-3750' Compl Date 7-14-56
Tbng. Dia 2 3/8" Tbng Depth 4063' Oil String Dia 7" Oil String Depth 3232'
Perf Interval (s) 4007'-402'; 3960'-52'; 3924'-08'; 3902'-3892'; 3844'-58'; 3834'-31'; 3756'-50'
Open Hole Interval 4032'-4112' Producing Formation (s) Grayburg & San Andres
*4 1/2" OD 9 5/8" liner set from 3135'-4032' w/150 sx. 2 1/2 cmt.

RESULTS OF WORKOVER:	BEFORE	AFTER
Date of Test	<u>4-16-56</u>	<u>7-13-56</u>
Oil Production, bbls. per day	<u>14</u>	<u>31</u>
Gas Production, Mcf per day	<u>13.65</u>	<u>12.65</u>
Water Production, bbls. per day	<u>0</u>	<u>0</u>
Gas-Oil Ratio, cu. ft. per bbl.	<u>975</u>	<u>408</u>
Gas Well Potential, Mcf per day		
Witnessed by <u>C Dickinson</u>	<u>Buffalo Oil Company</u> (Company)	

OIL CONSERVATION COMMISSION

Name C. M. Leedy
Title Engineer District I
Date JUL 31 1956

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

STATE A # 1

Ran R/A and caliper logs. Plugged back with pea-gravel and Cal-Seal from 4112' to 4032'. Ran 4 1/2" OD 9.5# liner from 4032' to 3135' and cemented with 150 sacks 2% cement. Reversed out approximately 10 sacks.

Perforated 4007'-02'; 3960'-52'; 3924'-08'; 3902'-3892' with 4 shots per foot. Spotted 200 gals. Western XR-1. Flushed with 20 bbls. oil at 4200 psi at 4 bpm. Acidized perforations with 2000 gals. Western XR-1 acid. Fraced with 10,000 gals. lease crude and 6,000# sand. Treating pressure 3300 psi at 5.4 bpm. Swabbed 121 bbls. load in 16 hrs.

Set magnesium bridge plug at 3865'. Perforated 3844'-38'; 3834'-31'; 3828'-3790'; 3756'-3750' with 4 shots per foot. Fraced upper perforations with 10,000 gals. lease crude and 10,000 # sand. Treating pressure 3300 psi at 7.5 bpm. Recovered all load and well pumped 14 BOPD.

Reperforated 3800'-08'; 3818'-26' w/ Lane Wells 3 7/16" Blits gun, 1 shot per foot. Attempted to frac but oil circulated out casing indicating communication behind pipe.

Cleaned out to TD 4112' with reverse circulation unit.

After recovery of total load, well pumped 31 BOPD, no water, GOR 408.

STATE

[illegible][illegible]

Well pumped in BOPD
Treating pressure 3800 psi at 7.5 bpm. Recovered all fluid and
performations with 10,000 gals. lease crude and 10,000 # sand.
31'; 3828'-3790'; 3758'-3750' with # shots per foot. 1/2 inch paper
set manganese bridge plug at 3865'. perforated 3844'-3841'-3837'-11

Reperforated 3800'-08"; 3818'-26" w/ lane wells 3 1/2" dia.
gun, 1 shot per foot. Attempted to free but all circulated out
causing indicating communication behind shoe.

cleaned out to TD #115, with reverse circulation only.

#08.
After recovery of total loss, well planned to return to work, no return, no return.