

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 Mitchell "A" WELL NO. 12 UNIT E S 19 T 17S R 32E
DATE WORK PERFORMED 4-56 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. 3913 TD 3984 PBD 3904 Prod. Int. 3420-3904 Compl Date 3-22-45
Tbng. Dia 2" Tbng Depth _____ Oil String Dia _____ Oil String Depth _____
Perf Interval (s) NONE
Open Hole Interval 3420-3904 Producing Formation (s) Grayburg-San Andres

RESULTS OF WORKOVER:

BEFORE AFTER

Date of Test	<u>1-27-56</u>	<u>5-21-56</u>
Oil Production, bbls. per day	<u>12</u>	<u>107</u>
Gas Production, Mcf per day	_____	_____
Water Production, bbls. per day	_____	_____
Gas-Oil Ratio, cu. ft. per bbl.	<u>936</u>	<u>666</u>
Gas Well Potential, Mcf per day	_____	_____
Witnessed by <u>Larry Duncan</u>	<u>Buffalo Oil Company</u> (Company)	

OIL CONSERVATION COMMISSION

Name _____
Title _____
Date FOR RECORD ONLY.

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

Name Max Colvry
Position Dist. Supt.
Company Buffalo Oil Company

Plugged back with Pea-gravel from TD of 3973' to 3933', with Cal-Seal from 3933' to 3904'. Ran 18 joints of 4½" OD, 9.5#, J-55 casing hung as liner at 3135' and set at 4032' and cemented with 150 sacks of 2½ portland cement. Reversed out approximately 10 sacks and left 10' in bottom of liner. After 24 hrs. tested liner with 1100 psi for 30 minutes. Tested OK.

Ran HOWCO Caliper and Radioactivity logs. Plugged back with pea-gravel and Cal-Seal from 3974' to 3904'. Ran 18 joints 4½" OD 9.5#, J-55 liner set between 3904' to 3342', cemented with 65 sacks. Reversed out 5 sacks cement. Spotted 200 gallons Dowell acid on perforations 3874'-3854', 3820'-3814', 3811'-3807'. Pumped acid in formation at 4.6 bpm at 4200 psi., flushed with oil and started sand in formation. Pressure increased to 5500 psi. at less than 1 bpm. Reversed sand out of tubing. Acidized perforations 3679'-3684', 3689'-3702', 3709'-3716', 3733'-3741' with 1000 gallons Dowell acid, maximum pressure 1800 psi. at 4 bpm. Fraced down 2 7/8" tubing with 9,400 gallons and 8,400 lbs. sand using Dowell lease frac. Maximum pressure 3000 psi. Maximum injection rate 8.0 bpm. Total load 435 bbls. After recovery of load, well flowed 107 BOPD on 3/4" choke, TP 20 psi. GGR 666. BHP after 47 hrs. 534 psi.



Drilled hole with sea-gravel from 1.0 to 1.5 ft. with
sea-gravel from 3.5 to 3.8 ft. from 1.5 to 1.8 ft. from
bottom of hole at 3.5 ft. and at 4.0 ft. and at 4.5 ft.
100 sacks of 100 lb. cement. Cement was placed in
hole and left in place for 24 hours. Cement filled
hole with 100 lb. cement. Filled OK.

Two 80000 gallon and radioactively safe. Although back side
sea-gravel and sea-gravel from 3.5 to 3.8 ft. from 1.5 to 1.8 ft. from
bottom of hole at 3.5 ft. and at 4.0 ft. and at 4.5 ft.
100 sacks of 100 lb. cement. Cement was placed in
hole and left in place for 24 hours. Cement filled
hole with 100 lb. cement. Filled OK.

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