

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS
(Submit to appropriate District Office as per Commission Rule-1106)

Company McAlester Fuel Company P. O. Box 210, Magnolia, Arkansas
(Address)

Lease Pat H. McClure Well No. B-1 Unit J S 14 T 158 R 37E

Date work performed October 11, 1955 to POOL Denton (Devonian)
November 28, 1955

This is a Report of (Check appropriate block) ☐ Result 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.

Perforations 12,562'-12,614'. Well dead because of salt water encroachment. Pulled completion material, drilled out Baker production packer at 12,540' and ran dry test on bridge plug set at 12,660'. Placed cement plug inside 5½" casing from 12,552'-12,631' with 35 sacks slo-set. Set Baker CI bridge plug at 12,545'. Perforated 12,490'-12,525' and 12,400'-12,465' with 4 jet shots per foot. Ran test tool, these zones failed to flow. Ran swabbing test for several days, last 11 hours of swabbing test, recovered 33 barrels oil, 96 barrels water (water analysis indicated 34,672 PPM chlorides, trace H₂ S), good show of gas, fluid level 2,300' from surface. Pulled completion material, set Baker CI bridge plug at 12,380' and perforated 12,330'-12,370' with 4 jet shots per foot. Ran completion material and swabbed well in. Well flowed 47 barrels oil in 13 hours by heads indicating limited capacity. Acidized formation with 250 gallons mud acid and 6,000 gallons 15% HCl. Swabbed well back in and on 24 hour test on 11/28/55, well flowed 180 barrels oil, 200 barrels water, 42/64" choke, tubing pressure ranged from 100 to 200 PSI.

(over)

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. 3800' TD 12,750' PBD 12,660' Prod. Int. 12,562'-12,614' Compl. Date 2/25/53
Tbng. Dia. 2-3/8" EUS Tbng. Depth 12,610' Oil String Dia 5½" Oil String Depth 12,748'
Perf. Interval (s) 12,562'-12,614' (Prior perforations 12,675'-12,694' & 12,700'-12,745')
Open Hole Interval - Producing Formation (s) Devonian

RESULTS OF WORKOVER:

	BEFORE	AFTER
Date of Test	-	<u>11/28/55</u>
Oil Production, bbls. per day	<u>Dead</u>	<u>180</u>
Gas Production, Mcf per day	-	<u>150</u>
Water Production, bbls. per day	-	<u>200</u>
Gas-Oil Ratio, cu. ft. per bbl.	-	<u>833</u>
Gas Well Potential, Mcf per day	-	-

Witnessed by Roger Smith McAlester Fuel Company
(Company)

Oil Conservation Commission

Name C. M. Linder

Title Asst. Dir.

Date 12/1/55

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

Name Vernon Turner

Position Asst. Prod. Supt.

Company McAlester Fuel Company