

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

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

COMPANY Cities Service Oil Company, Box 97, Hobbs, New Mexico
(Address)

LEASE Brunson B WELL NO. 1 UNIT I S 4 T 22-S R 37-E

DATE WORK PERFORMED Aug. 28, 1957 to POOL Brunson
Sept. 19, 1957, incl.

This is a Report of: (Check appropriate block) ☒ Results of Test of Casing Shut-off

☐ Beginning Drilling Operations

☐ Remedial Work

☐ Plugging

☒ Other Frac, acidize, etc.

Detailed account of work done, nature and quantity of materials used and results obtained. Brunson "B" No. 1, a high GOR well, completed in the Ellenburger, was plugged back to 5281' (Paddock), 5½" casing perforated 5122-5170' (48') 5176-5212' (36') and fraced w/20,000 gals. w/ 1/10#/gal. adomite, 20,000# sand plus 500# Dwell L-12 (Gypban). Recovered only a portion of total load—85 to 90% water. Plugged back to 5170'. Recovered 448.19 barrels fluid 75 to 85% water. Plugged back to 5111'. Acidized w/1000 gals. mud acid, recovered 300 barrels water w/trace of oil. Prior to acidizing, squeezed 100 sacks of cement in formation. Squeezed w/100 sacks of cem. after acidizing. Reversed out 30 sacks. Plugged back to 5078. Tested casing w/leak found 3850-3880', squeezed 115 sacks into formation. Tested casing w/1000# w/no drop in pressure. Perf. 5050-70' (20') and acidized w/1000 gals. mud acid. Recovered only water. Set cem. retainer at 4960' and tested 5½" casing, found leak at 3850-80'. Squeezed w/75 sacks. Squeezed perf. from 5050-70' w/100 sacks, reversed out 15 sacks. Cement was allowed to set 15 hours. Since no commercial production was discovered in the Paddock zone, the 5½" casing was cleared to total depth, all perforations squeezed and tested casing w/1500#. Acidized Ellenburger w/15,000 gals. XLST acid, recovered load and tested with results as shown below.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. _____ TD _____ PBD _____ Prod. Int. _____ Compl Date _____

Tbng. Dia _____ Tbng Depth _____ Oil String Dia _____ Oil String Depth _____

Perf Interval (s) _____

Open Hole Interval _____ Producing Formation (s) _____

RESULTS OF WORKOVER:

	BEFORE	AFTER
Date of Test	<u>3-27-57</u>	<u>9-18-57</u>
Oil Production, bbls. per day	<u>9</u>	<u>11.6</u>
Gas Production, Mcf per day	<u>709</u>	<u>701</u>
Water Production, bbls. per day	<u>-0-</u>	<u>11.6</u>
Gas-Oil Ratio, cu. ft. per bbl.	<u>78777</u>	<u>60431</u>
Gas Well Potential, Mcf per day	<u>-</u>	<u>-</u>

Witnessed by Stanley E. Woodruff

Cities Service Oil Company

(Company)

OIL CONSERVATION COMMISSION

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

Name _____

Name [Signature]

Title _____

Position District Superintendent

Date _____

Company Cities Service Oil Company