

NEW MEXICO OIL CONSERVATION COMMISSION  
MISCELLANEOUS REPORTS ON WELLS

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

COMPANY Shell Oil Company Box 1957 Hobbs, New Mexico  
(Address)LEASE Livingston WELL NO. 6 UNIT "8" S-3 T-21-S R-37-E  
DATE WORK PERFORMED 11-10 thru 11-20-56 POOL HareThis 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. Ran 2" tubing open ended 7915' and spotted 50 sacks 12% gel cement on bottom. Pulled 25 joints tubing. Squeezed 7 barrels fluid (35 sacks cement) into formation. Final 10 sacks maximum pressure 600 psi. After WOC 36 hours found top of cement at 7870'. Ran bit on 2" tubing and drilled out to 7910'. Perforated 5 1/2" casing liner from 7843'-7849', 7859'-7865', 7874'-7877' (PGAC Collar Log) with 4 jet shots per foot. Ran tubing and swab tested. Treated casing perforations with 500 gallons 15% non-emulsion LST acid. Maximum pressure 1600 psi. Flushed tubing with 30.5 barrels oil. Swab tested. Loaded tubing with 28 barrels oil. Pumped 21 barrels in formation at 3700 psi. Injection rate 5 bbl/min. Treated formation via 2" tubing w/3,000 gallons gelled lease crude containing 1# of 20-40 mesh sand per gallon and 30 gallons Free Flow added to frac. Overflushed tubing with 75 barrels oil. Maximum pressure 4000 psi. Minimum pressure 2400 psi. Average injection rate 6 bbl/min during frac and 4.2 bbl/min. during flush. Installed Camco Type "S" valve 7523'-7521', Camco Type "MM" mandrel and retrievable valve set @ 750 psi 7508'-7500', Camco Type "MM" mandrel and retrievable valve set @ 825 psi 5813'-5805', Camco Type "MM" mandrel and retrievable valve set @ 850 psi 3951'-3944', and Camco Type "MM" mandrel and retrievable valve set @ 900 psi 2030'-2022'.

## FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. 3450' TD 8230' PBD 8105' Prod. Int. 343 BOPD Compl Date 7-20-52  
Tbng. Dia 2" Tbng Depth 7783' Oil String Dia 5 1/2" Liner Oil String Depth 2934'-8228'  
Perf Interval (s) 7805' - 8075'  
Open Hole Interval \_\_\_\_\_ Producing Formation (s) Mc Kee and Connell Sands

## RESULTS OF WORKOVER:

	BEFORE	AFTER
Date of Test	<u>Well Dead</u>	<u>Gas Lift</u> <u>11-27-56</u>
Oil Production, bbls. per day	_____	<u>44.955</u>
Gas Production, Mcf per day	_____	_____
Water Production, bbls. per day	_____	<u>.045</u>
Gas-Oil Ratio, cu. ft. per bbl.	_____	_____
Gas Well Potential, Mcf per day	_____	_____
Witnessed by <u>H. B. Leach</u>	Production Foreman _____	Shell Oil Company (Company)

OIL CONSERVATION COMMISSION

Name R. F. Montgomery  
Title DEPUTY MANAGER  
Date 11-20-56

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

Name S. G. Stiles ORIGINAL SIGNED BY  
Position Division Mechanical Engineer  
Company Shell Oil Company

