

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 Berry WELL NO. 2 UNIT "J" S-31 T -18-S R -38-E

DATE WORK PERFORMED Oct. 6 thru 25, 1955 POOL Hobbs

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.
REMEDIAL OPERATIONS - PLUG BACK, ACIDIZE, AND SQUEEZE WITH DIESEL OIL CEMENT

Pumped 300 barrels water in casing and killed well. Dumped 133 gallons pea gravel followed with 48 gallons hydromite. Ran tubing and swabbed. Spotted 50 gallons gel seal down tubing followed by 4 barrels oil and remainder of tubing volume (450 gal.) filled with acid. Waited on gel seal 25 minutes and started injecting oil into formation. Pressured up on casing to 1500 psi. Injected 1000 gallons acid in formation at one barrel minute with 1800 psi. Pressure bled to 0 in one minute. Pulled tubing and reran with Baker full bore retrievable cement retainer. Pumped 139 barrels oil down casing-tubing annulus to displace water from casing. Set retainer at 3900 and pressured on casing to 700 psi. Injected 10 barrels diesel oil treated with Hyflow down tubing. Followed by 30 sacks regular cement mixed with 150 gallons diesel oil and 2 gallons DOC - 1. Displaced cement out of tubing with 15 barrels oil. Final cementing pressure 3000 psi. Pressure bled to 0 in 18 minutes. Swabbed 3 hours without recovering any fluid. Loaded tubing with oil and pumped into formation at 2 1/2 bbl/min. with 3000 psi. Treated with 2000 gallons 15% acid. Injection pressure 2900 psi at 3 bbl/min. Pulled tubing and cementer. Ran tubing and hung at 4032'. Plugged back total depth 4034'.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. 3642' TD 4210' PBD _____ Prod. Int. 2170 BOPD Compl Date November 1930
 Tbnng. Dia 3" Tbnng Depth 4210' Oil String Dia 7" Oil String Depth 3941'
 Perf Interval (s) _____
 Open Hole Interval 3941'-4210' Producing Formation (s) San Andres

RESULTS OF WORKOVER:	BEFORE	AFTER
Date of Test	<u>Well Dead</u>	<u>10-25-55</u>
Oil Production, bbls. per day	_____	<u>47</u>
Gas Production, Mcf per day	_____	<u>58.6</u>
Water Production, bbls. per day	_____	<u>Trace</u>
Gas-Oil Ratio, cu. ft. per bbl.	_____	<u>1247</u>
Gas Well Potential, Mcf per day	_____	_____
Witnessed by <u>A. K. Palmer</u> Production Foreman	Shell 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 *D. C. Meyers*
 Title _____
 Date NOV 9 1955

Original signed by
 Name D. C. Meyers
 Position Division Mechanical Engineer
 Company Shell Oil Company