

DUPLICATE

HOODS OFFICE
1956 MAY 10
Form C-103
(Revised 3-55)
PM 3:18

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 State "Q" WELL NO. 1 UNIT "M" S-16 T-20-S R-37-L
DATE WORK PERFORMED 3-4-56 thru 4-3-56 POOL Monument

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.
ATTEMPTED TO SHUT OFF WATER AS FOLLOWING:

Pulled rods and pump. Ran Gamma Ray-Neutron survey from TD to surface. Ran tubing with Baker full bore packer and set packer at 3554'. Loaded annulus with oil and pressured to 800 psi. Pumped 40 barrels lease oil containing 20 gallons Hyflo into formation at 800 psi and 5 bbl/min. followed by 50 sacks DOC and flushed with 35 barrels oil. Max. pressure 800 psi. Shut down press.-vacuum. WOC. After WOC 24 hours swabbed 77 barrels oil - 78% water in 14 hours. Average cut last 2 hours 90% water and 3% BS. Pumped 10 barrels oil containing 5 gallons Hyflo followed by 50 sacks DOC, flushed with 34 barrels oil. Maximum pressure 1700 psi at 4 bbl/min. Shut in pressure - vacuum. After WOC 24 hours swabbed 35 barrels fluid in 8 hours. Last 4 hours cut 97% water. Pumped 10 barrels oil containing 5 gallons Hyflo followed by 100 sacks DOC. Flushed with 34 barrels oil. Average injection rate 4 bbl/min. After 9 barrels of DOC in formation, pressure to 3400 psi. Broke to 2800 psi. Maximum pressure - 3400 psi. Final pressure - 2800 psi. 5 minutes shut in pressure 2200 psi. In 5 hours swabbed 33 barrels cement and water. Pulled 2 1/2" tubing and Baker full bore cementer. Ran tubing, rods, and pump. In 18 hours
(SEE ATTACHED SHEET)

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:
DF Elev. 3526' TD 3841' PBD _____ Prod. Int. 4011 BOPD Compl Date 8-28-36
Tbng. Dia None Tbng Depth _____ Oil String Dia 7" Oil String Depth 3601'
Perf Interval (s) _____
Open Hole Interval 3601' - 3841' Producing Formation (s) Grayburg

RESULTS OF WORKOVER:	BEFORE	AFTER
Date of Test	<u>11-3-55</u>	<u>Shut In</u>
Oil Production, bbls. per day	<u>3</u>	
Gas Production, Mcf per day	<u>18.6</u>	
Water Production, bbls. per day	<u>797</u>	
Gas-Oil Ratio, cu. ft. per bbl.	<u>6066</u>	
Gas Well Potential, Mcf per day		
Witnessed by <u>W. E. Collum</u> Production Foreman <u>Shell Oil Company</u>		
	(Company)	

OIL CONSERVATION COMMISSION
Name C. M. Lundy
Title Engineer District 1
Date MAY 10 1956

I hereby certify that the information given above is true and complete to the best of my knowledge.
Name D. C. Meyers Original signed by D. C. Meyers
Position Division Mechanical Engineer
Company Shell Oil Company