

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 110:27)

COMPANY Shell Oil Company Box 1957 Hobbs, New Mexico
(Address)

LEASE Coleman WELL NO. 1 "A" UNIT "J" S -17 T-21-S R-36-E

DATE WORK PERFORMED 7-13-55 to 9-6-55 POOL Amont

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.

Killed well and pulled tubing. Ran 2" tubing with Baker full opening retrievable cementer and Hydro Tested to 5000 psi. Set cementer at 3781'. Displaced oil with water and pumped into perforations 3852'-3910' at 6 bbl/min. with 1000 psi. Mixed 125 sacks cement with 15 barrels cement in perforations pressure increased to 1500 psi - with 25 barrels in pressure 2000 psi. Cleaned perforations with 4 1/2 barrels water. After WOC 22 hours bled pressure to 0 psi. Pumped into casing perforations 3852'-3910' with water at 1.5 bbl/min. at 1700 psi. Mixed 75 sacks cement. After 5 barrels in pressure to 3000 psi. After 8 barrels pressure to 3100 psi. Pressure broke to 2800 psi. After 10 barrels in pressure to 4400 psi. After 12 barrels in pressure to 5000 psi. Reversed out 3 barrels cement. Cleared tubing and perforations with 10 barrels water. Pulled tubing and cementer and ran 4 3/4" bit. Drilled out cement to 3890' and circulated hole for 1 1/2 hours. Tested casing with 2000 psi. Test OK. Pulled bit and ran wire line collar locator and found depth OK. Squeezed from PBD 3930' to PBD 3890'.

Perforated 5-1/2" casing opposite the ^{Penrose} ~~Seven Rivers~~ Pay Zone from 3852'-3864' and 3874'-3883' with 4 Lane Wells bullet shots per foot.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. 3650' TD 3940' PBD 3930' Prod. Int. 40 BOPD & 5 BOPD Compl Date 12-17-55

Tbng. Dia 2" Tbng Depth 3896' Oil String Dia 5-1/2" Oil String Depth 3939'

Perf Interval (s) 3852'-3864', 3874'-3883', 3898'-3910'

Open Hole Interval _____ Producing Formation (s) Lower Queens and Upper Grayburg

RESULTS OF WORKOVER:	BEFORE	AFTER
Date of Test	<u>7-8-55</u>	<u>9-5-55</u>
Oil Production, bbls. per day	<u>28</u>	<u>13.15</u>
Gas Production, Mcf per day	<u>202.1</u>	<u>1,527.885</u>
Water Production, bbls. per day	<u>3</u>	<u>2.76</u>
Gas-Oil Ratio, cu. ft. per bbl.	<u>7219</u>	<u>116,189</u>
Gas Well Potential, Mcf per day		

Witnessed by H. B. Brooks Production Foreman Shell Oil Company
(Company)

OIL CONSERVATION COMMISSION

Name A. M. Rieder
Title _____
Date _____

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

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