

DUPLICATE

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 X WELL NO. 2 UNIT D S 13 T 20-S R 16-E

DATE WORK PERFORMED 1-13 thru 1-18-56 POOL Marathon

This is a Report of: (Check appropriate block)

☐ Results of Test of Casing Shut-off

☐ Beginning Drilling Operations ☒ Remedial Work

☐ Plugging ☒ Other Temporarily Abandoned

Detailed account of work done, nature and quantity of materials used and results obtained.

- 1) Set 7" Model X CI cement retainer @ 3770'. Ran 2 1/2" tubing & Baker stinger & engaged retainer.
- 2) Pumped water into formation @ 10 b/m @ 1200 psi. Mixed 150oz cement. After pumping 10 barrels cement, pressure increased to 3400 psi. After pumping 15 barrels cement, pressure increased to 4600 psi. After pumping 23 barrels cement, pressure increased to 6000 psi. Obtained squeeze & reversed out 7 barrels cement.
- 3) Perforated 7" casing w/4 bullet shots/feet from 3752' - 3760'. Ran full bore packer on tubing, and 2 1/2" tubing.
- 4) Set packer @ 3702'. In 10 hours swabbed 27 BW. Swabbed dry.
- 5) Treated w/1000 gallons (Halliburton) 15% NGA. In 60 hours swabbed 698 BW, final out 99% w.
- 6) Pumped 15 BO in tubing. Mixed 50oz cement w/500 gallons Diesel oil. With 5 barrels BO in formation, pressure increased to 3000 psi. With 6 barrels cement in formation, pressure increased to 4100 psi, and broke back to 3400 psi. With 8.5 barrels cement in formation, pressure increased to 5000 psi, and broke back to 3300 psi. With 10 barrels cement in formation, pressure 3400 psi. Cleared perforations w/25 BO, pressure 3200 psi.

(Continued on back of page)

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. 3599' TD 3884' PBD --- Prod. Int. 2070 b/d Compl Date 5-11-37

Tbng. Dia 2 1/2 Tbng Depth 3875' Oil String Dia 7" Oil String Depth 3774'

Perf Interval (s) none

Open Hole Interval 3774'-3830' Producing Formation (s) Grayburg

RESULTS OF WORKOVER:

	BEFORE	AFTER
Date of Test	<u>6-28-55</u>	<u>1-28-56</u>
Oil Production, bbls. per day	<u>Shut in</u>	<u>Temporarily Abandon</u>
Gas Production, Mcf per day		
Water Production, bbls. per day	<u>99%</u>	<u>99%</u>
Gas-Oil Ratio, cu. ft. per bbl.		
Gas Well Potential, Mcf per day		
Witnessed by <u>V.E. Collins</u>	<u>Shell Oil Company</u>	

(Company)

OIL CONSERVATION COMMISSION

Name P. M. Kelly
Title Engineer District I
Date FEB 2 1956

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

Name H. Ekvill
Position Division Exploitation Engineer
Company Shell Oil Company

THE COMMISSION MUST BE NOTIFIED
EVERY 6 MONTHS ON FORM C-103
AS TO THE WELL STATUS AND YOUR
FUTURE PLANS FOR THIS WELL.

(Continued)

- 7) After WOC 17 hours pumped 14 BO into formation @ 2 b/m @ 2300 psi. After WOC 24 hours pumped 15 BO into formation @ 8 b/m @ 4000 psi. Mixed 50% cement w/500 gallons Diesel oil & pumped into tubing. Followed WOC w/5000 gallons gelled lease crude (Dowell Petrojel) containing 1 1/2 sacks/gallon (20-40 mesh). Displaced WOC into formation @ 5400 psi. Flushed w/100 BO @ 8.6 b/m @ 4050 psi. Final pressure 4050 psi.
- 8) In 18 hours swabbed 217 WF, first 12 hours out 2% water & last 6 hours out 50% water. In 12 hours swabbed 94 WF, out 99% water. Shut well in.
- 9) Well Temporarily Abandoned 1-25-56.