

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)23

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

LEASE Coleman WELL NO. 1 "A" UNIT "J" S -17 T 17 R -36-E
DATE WORK PERFORMED 10-23 thru 11-28-55 POOL Bumont

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 with water. Pulled tubing and reran with Baker cement retainer. Set Baker packer at 3820' above all perforations. Pumped salt water into formation with 4 bbl/min. at 1000 psi. Mixed and pumped 175 sacks slo-set cement (15½ lb. slurry) and overflushed with 10 bbl. water. Pressure dropped to 600 psi in 10 min. Unable to squeeze. Filled tubing with water and pumped into formation with 3 bbl/min. at 1700 psi. Mixed and pumped 100 sacks slo-set cement (15½ to 16 lb. slurry) with maximum pressure 2200 psi for first 50 sacks, 2700 psi for next 25 sacks, 3800 psi for next 7 sacks, 5800 psi for next 4 sacks. Reversed out 14 sacks. After WOC 14 hrs. ran 4 3/4" bit and found plug at 3816'. Drilled cement from 3816' to 3920'. Circulated 1½ hrs. Pulled tubing. Perforated 5½" casing with 2 Welox Projectile shots at 3881' and 2 shots at 3904'. Ran swab - no fluid in hole. Loaded tubing with oil and pressured to 5500 psi. Hole would not take fluid. Pulled tubing. Perforated 5½" casing from 3876'-3886' and 3900'-3910' (Halliburton Depths) with 4 jet shots per foot. Made one run with swab and well swabbed dry. Pressured casing to 500 psi and started acid down tubing (500 gallons 15% regular). Injected acid into formation at 15 gal/min. at 1500 psi. Overflushed with one barrel lease oil. Set packer at 3832' and loaded casing with lease oil and pressured to 1000 psi. Pumped down tubing into perforations at rate of 8 bbl/min at 3600 psi. Treated with 3000 gallons (Halliburton) Vis-O-Frac (SEE BOTTOM OF PAGE

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data: 40 BOPD &
DF Elev. 3650' TD 3940' PBD 3930' Prod. Int. 5 BWPD Compl Date 12-17-54
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>9-5-55</u>	<u>11-28-55</u>
Oil Production, bbls. per day	<u>13.15</u>	<u>26</u>
Gas Production, Mcf per day	<u>1,527.885</u>	<u>84.396</u>
Water Production, bbls. per day	<u>2.76</u>	<u>4.55</u>
Gas-Oil Ratio, cu. ft. per bbl.	<u>116.189</u>	<u>3246</u>
Gas Well Potential, Mcf per day		
Witnessed by <u>H. B. Brooks</u> Production Foreman <u>Shell Oil Company</u> (Company)		

OIL CONSERVATION COMMISSION

Name C. M. Leides
Title Engineer
Date DEC 1 1955

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

containing one lb. sand per gallon at rate of 8.8 bbl/min at 3200 psi. Overflushed with 50 bbl. lease oil. No recovery on swabbing. Pressured 5½" casing to 1000 psi. Pumped oil down tubing at 4000 psi and 8 bbl/min. Treated thru tubing with 5000 gallons Halliburton gelled lease crude with one pound sand at 4050 psi at 8.5 bbl/min. Flushed with 25 bbl. oil. Well shut in. Pulled tubing and loaded hole with 70 bbl. oil. Treated via casing with 50 barrels oil containing 25 gallons Hyflo. Pressure broke from 3350-3000 psi at 24 bbl/min. followed with 10,000 gallons Halliburton Vis-O-Frac containing one lb. sand per gallon at 25 bbl/min. with 2800 psi. Flushed with 200 bbl. oil with 50 gallons of Hyflo in first 100 barrels at 26.7 bbl/min. with final pressure at 2800 psi, 100 barrels overflush. Swabbed well 3½ hrs. and well kicked off.