

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 "F" WELL NO. 1"A" UNIT "I" S -29 T -19-S R -37-E

DATE WORK PERFORMED Dec. 19 thru 1-3-56 POOL Mormant

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off
☐ Beginning Drilling Operations ☐ Remedial Work
☐ Plugging ☒ Other Squeeze present perforations, Drill out, & re-perforate

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

Perforated 5 1/2" csg. 3910'-3920' with 4 Type "E" bullets per foot. Set retainer @ 3902' & pumped into perfs. 3861'-3868' & 3876'-3882' w/oil and got communications. Set Baker retrievable retainer @ 3766'. Mixed 125 sx cement. Pumped 8 bbl. into perfs. @ 3500 psi, 12 bbl. @ 5100 psi & 25 bbl. @ 4700 psi. Cleared perfs. with 12 bbl. water. After WOC 14 hrs., mixed 75 sx cement & pumped into formation. Reversed out 4 bbl. cement. Ran tbg. & bit and drilled out to 3925'. Tested casing with 1250 psi for 15 minutes. Test OK. Perforated 5 1/2" csg. 3910'-3920' w/4 Type "E" bullets per foot. Ran retrievable retainer on 2" tbg. & displaced with water. Set pkr. @ 3896'. Pumped into csg. perfs. 3910'-3920' @ 1 1/2 bbl/min. w/4400 psi. Mixed 50 sx cement & spotted on csg. perfs. Pumped 3 bbl. cement in csg. perfs. @ 4800 psi. Pressure on annulus increased 2000 psi. Bled pressure, checked packer & reset. Increased pressure on tubing to 4800 psi & pressure on annulus increased to 2000 psi. Indicating communications. Reversed out 25 sx cement. Pulled up & set packer above all perfs. Pumped into perforations @ 1 1/2 bbl/min w/3300 psi. Treated with acid. Set magnesium bridge plug @ 3830' & perforated 5 1/2" csg. from 3812'-3818' with 4 Type "E" bullet shots per foot. Ran cementer at 3765' & pumped water into perfs. at 1 3/4 bbl/min with 3100 psi. Mixed 75 sx cement, spotted cement, injected 5 sx into formation & pressure increased to 6500 psi. (SEE BOTTOM OF PAGE)

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. _____ TD _____ PBD _____ Prod. Int. _____ Compl Date _____
Tbng. Dia _____ Tbng Depth _____ Oil String Dia _____ Oil String Depth _____
Perf Interval (s) _____
Open Hole Interval _____ Producing Formation (s) _____

RESULTS OF WORKOVER:

	BEFORE	AFTER
Date of Test	_____	_____
Oil Production, bbls. per day	_____	_____
Gas Production, Mcf per day	_____	_____
Water Production, bbls. per day	_____	_____
Gas-Oil Ratio, cu. ft. per bbl.	_____	_____
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 [Signature]
Title Engineer District
Date JAN 19 1956

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

Attempted to reverse out and failed. Could not move cement either way. Pulled 35 jts. tubing and pumped 35 barrels water down tubing & reversed out 5 sx. cement. Perforated 5 1/2" casing from 3832'-3840' & 3846'-3854' (casing measurements) w/4 Type "E" bullets per foot. Loaded hole w/oil & pumped 6 bbl. into formation w/2600 psi. Mixed 50 sx cement w/500 gal. diesel oil & pumped into csg. followed by 10,000 gal. of sand-oil frac containing 1# sand per gallon. With cement on formation pressured to 3000 psi & broke back to 2700 psi. Max. treating pressure 2700 psi, final treating pressure 2400 psi. Average injection rate 24 bbl/min. After shut-in 10 min. pressure 1600 psi. Total load 581 barrels. P B T D 3925'.