

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

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

COMPANY The Pure Oil Company - P. O. Box 671 - Midland, Texas 79701
(Address)

LEASE Red Hills Unit WELL NO. 1 UNIT 0 S 32 T 25-S R 33-E
DATE WORK PERFORMED 10- 3-64 POOL Undesignated
11-13-64

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off
☐ Beginning Drilling Operations ☐ Remedial Work
☐ Plugging ☒ Other Completion work

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

See attached

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 _____	_____	_____

(Company)

OIL CONSERVATION COMMISSION

Name [Signature]
Title _____
Date Dec 1 1964

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

Name J. F. Wilkinson J. F. Wilkinson
Position District Office Manager
Company The Pure Oil Company

17,590' PBD - Drilled out SVDC retainer and cement 14,716' to 14,815', circulated to 14,875'. Drilled out SVDC retainer and cement 14,875' to 14,976', circulated to 15,117'. Drilled out SVDC retainer and cement 15,117' to 15,196', circulated to 15,904'. Drilled cement 15,904' to 16,150'. Ran cement bond log 12,000' to 16,000'. Set DC bridge plug at 15,660', set RTTS tool at 15,392'. Perforated Penn one shot each at 15,442', 15,447', 15,458', 15,468', 15,486', 15,490', and 15,530'. Pumped in water and pressured up, no results, tested and found RTTS tool leaking. Re-perforated Penn one shot each at 15,442', 15,447', 15,458', 15,468', 15,486', 15,490', and 15,530'. Ran and set RTTS tool at 15,426', spotted acid, water and mud in tubing, pressured up, had leak, pulled out of hole. Perforated Penn one shot each at 15,034', 15,041', 15,060', 15,081', 15,124', 15,126', and 15,138'. Ran and set RTTS tool at 15,003'. Pumped in 26 barrels BD acid. Flowed back 22 bbls. water and died, pumped in 20 bbls. water, flowed back 8 bbls. water and died. Squeezed perforations 15,034' to 15,138' with 200 sacks cement. Perforated 2 shots per foot at 14,840', 14,844', 14,852', 14,856', and 14,864'. Acidized with 48 bbls. acid, flowed to pit 18-1/2 hours, turned through separator 2-1/2 hours, 32/64" choke, rate of 1.36 MMCFD. Flowed 4-1/2 hours, 5/8" choke, 1.36 MMCFD, TP 350# to 420#. Acidized with 5,000 gallons 15% HCL acid. Flowed to pit to clean up, 1/2 hour through separator, maximum rate 2.2 MMCFD. 12 hours flowed through separator, 1/2" choke, rate of 2.3 MMCFD, 25 barrels water per MMCF, surface pressure 600#. Killed well. Set 6-5/8" DC bridge plug at 14,812'. Perforate Penn zone 1 shot per foot 14,607'-11', 14,618'-32', 14,643'-52', 14,658'-62', 14,706'-12', 14,716'-21', 14,737'-42', 14,748'-52', 14,758'-64', 14,772'-76', 14,784'-88', total 65 shots. Opened well to pit to clean up, pressure 2400# to 2500#. 18 hours flowed through separator, 16/64" choke, rate of 7.65 MMCFD, estimated 6 bbls. liquid hydrocarbons per MMCF, well head pressure 5400#. 6 hours flowed, 18/64" choke, rate of 10.7 MMCFD, 11 barrels condensate per MMCF. Killed well, set bridge plug at 14,550'. Perforated Penn zone 14,350'-58', 14,400'-08', 14,416'-32', 14,438'-52', 14,462'-70', 14,476'-84', 14,488'-94'. Set packer at 14,325'. Acidized with 2,000 gallons BD acid. Flowed back acid and load water and died. Squeezed perforations 14,350' to 14,494' with 200 sacks cement. Perforated 13,596'-97' with 4 shots flowed back mud. Squeezed perforations with 200 sacks cement. 8 hours WOC. Squeezed perforations 13,596'-97' with 200 sacks cement. Tested perforations with 2000#, held 30 minutes, OK. Perforated 6-5/8" casing 13,659'-67' and 13,622'-43' one shot per foot. Set SVDC tool at 13,560'. 24 hours flowed to pit to clean up, 6-3/4 hours flowed through separator, 18/64" choke, rate of 9.6 MMCFD, 24.9 barrels condensate per MMCF, FTP 4750#. 4-1/2 hours flowed, 28/64" choke, rate of 12.1 MMCFD, 28 barrels condensate per MMCF, FTP 2400#. Checked SVDC tool with 2000#, held 40 minutes OK. Perforated 6-5/8" casing in Wolfcamp zone, 1 shot per foot 13,440'-46', 13,469'-74', 13,490'-98', 13,504'-12', total 27 shots. Set RTTS tool at 13,400'. Flowed well to pit to clean up, 12-1/2 hours flowed through separator, 18/64" choke, rate of 9.6 MMCFD, 30 barrels condensate per MMCF, pressure 5125#. 12-3/4 hours flowed, 20/64" choke, rate of 12.3 MMCFD, pressure 3125#. Killed well, set DM retainer at 13,420', squeezed Wolfcamp perforations 13,440' to 13,512' with 200 sacks cement. After WOC, ran in hole, drilled retainer, cement, and circulated to 13,695', mud gas cut. Set DM retainer at 13,405', squeezed Lower Wolfcamp perforations with 200 sacks cement. 23 hours WOC. Drilling on DM tool at 13,405'.