

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

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

COMPANY Shell Oil CompanyBox 1957, Hobbs, New Mexico

(Address)

LEASE State Oil WELL NO. 5 UNIT 0 S 16 T-15-S R-36-EDATE WORK PERFORMED 10-31 thru 12-1-56 POOL Candill-BermainThis 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.

Rung tubing below casing perforations & circulated 1000 gallons Cement containing 100 ex. Trinity Inferno cement over perforations. Pumped 15 BW down tubing on vacuum. Indicating at least 500 gallons Cement in formation. Pulled tubing. After WOC 24 hours pumped 15 BW down tubing. Got oil returns out of casing. Circulated oil out of annulus w/salt water. Well went on vacuum. Lowered tubing to 13,604'. No indication of Cement fill-up. Pumped 10 BW in tubing. Went on vacuum. Pumped 1000 gallons Cement (containing 110 ex. Trinity Inferno cement) down tubing followed by 60 BW. Got returns on casing. Cement spotted @ 6:50 PM, WOT, 11-2-56. Pulled 60 jts. tubing & shut well in. After WOC loaded hole w/20 BSW & pressured up w/500 psi for 20 minutes. OK. Pulled tubing & found 21 jts. filled w/cement. Washed out fluid cement to 13,653'. Perforated 5 1/2" casing 13,565' - 13,585' w/h jet shots per foot. Set Baker GI Model K cement retainer @ 13,490'. Run tubing & engaged cement retainer pressured up to 3800 psi & injected 1 BW/minute. Pumped 50 ex. Trinity Inferno containing 45 gal cement. After 15 ex. injected pressure increased from 4000 to 6000 psi. Broke to 4500 psi. After 30 ex. injected pressure increased to 6000 psi. Shut down & bled to 5000 psi. Reversed out 17 ex. cement & left 3 ex. below retainer. After WOC drilled cement to 13,560'. (See back of page)

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. 3913' TD 13,656' BBD 12,653' Prod. Int. 548 BOPD Compl Date 10-1-55Tbng. Dia 2 3/8" Tbng Depth 13,650' Oil String Dia 5 1/2" Oil String Depth 13,656'Perf Interval (w) 13,496' - 13,560'Open Hole Interval _____ Producing Formation (w) Bermain

RESULTS OF WORKOVER:

	BEFORE	AFTER
Date of Test	<u>9-4-56</u>	<u>12-1-56</u>
Oil Production, bbls. per day	<u>0</u>	<u>78.</u>
Gas Production, Mcf per day	<u>Not measured</u>	<u>16.056</u>
Water Production, bbls. per day	<u>1500</u>	<u>92</u>
Gas-Oil Ratio, cu. ft. per bbl.	<u>Not measured</u>	<u>206</u>
Gas Well Potential, Mcf per day	<u>-</u>	<u>-</u>

Witnessed by H. O. Starling

Production Foreman

Shell Oil Company
(Company)

OIL CONSERVATION COMMISSION

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

Name B. Nevill Original signed by B. NevillPosition Division Exploitation EngineerCompany Shell Oil CompanyName B. F. MontgomeryTitle PRORATION MANAGERDate DEC 6 1956

