

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED
FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

DEC 7 1960

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

Name of Company Kersey & Company		Address Box 305, Artesia, New Mexico			
Lease Shell	Well No. 1	Unit Letter A	Section 16	Township 17S	Range 31E
Date Work Performed	Pool Grayburg Jackson			County Eddy	

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations ☐ Casing Test and Cement Job ☐ Other (Explain):
☐ Plugging ☐ Remedial Work

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

On July 22, ran 677' of 8 5/8" 28# casing and cemented with 50 sacks of Incor cement. Let stand 36 hrs. Test with bailor found Water shut off complete.

On September 30, ran 3775' of 4 1/2" 915# casing and cemented with 325 sacks of Incor cement and 16 sacks Gel.

See attached sheet for complete treating details.

Witnessed by	Position	Company
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FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION		I hereby certify that the information given above is true and complete to the best of my knowledge.	
Approved by <i>M. L. Armstrong</i>		Name	
Title OIL AND GAS INSPECTOR		Position Owner	
Date DEC 7 1960		Company Kersey & Company	

TREATING SHELL #1

October 7, 1960. Treated lime zone 3726 - 3744' with 500 gallons of acid, swabbed - made a show of oil. Treated then with 2000 gallons of acid using 2" tubing and packer in both instances. Maximum pressure 3150#. After treating swabbed 100% water. Then set Hydromite plug at 3675' to shut off the zone..

October 12, 1960. Broke perforations 3288-96; 3388-96' and 3416-28' with 2500 gallons of acid using ball sealers using tubing and packer, maximum pressure 4650; finished treatment at 3150#. Pulled tubing and packer, fractured well, had 40,000 gallons of gelled lease crude and 60,000 # of sand on hand. Started treatment at 3100#, pressure went to 3800-3900#. Cut fluid injection back from 15 BPM to 8 BPM. Finally got in 575 bbls. of gelled oil and 25,000# of sand. Shut in pressure after fracture 3100#. After recovering load oil well flowed 20 bbls of oil/day. On November 23, 1960, re-treated well using 2 1/2" tubing and 3 Halliburton packers. Prior to treatment tested well with 2" tubing and packer. Found Hydromite plug leaking. Set another Hydromite plug at 3675' and this plug was tested and found to be holding. Set Halliburton packers straddling zones 3288-96 and 3388-96, for on prior test it was found that well was making its production from perforations 3416-3428. Well was treated using 380 bbls gelled oil and 220 bbls. slick oil and 40,000# of sand. Maximum treating pressure 5,000# - treated around 4400#. treatment went off without a hitch, however after opening up well and swabbing it made 120 bbls. of load oil and started in making 20 bbls/day, the same amount of production as before treatment. It is not known if there was a channel opened up between perforations or if the packers did not hold. The top packer we know held for we put 1100# of casing pressure on it and it never varied during the treatment.

OIL CONSERVATION COMMISSION

ARTESIA DISTRICT OFFICE

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