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NEW MEXICO OIL CONSERVATION COMMISSION **FORM C-103**
(Rev. 3-55)

MISCELLANEOUS REPORTS ON WELLS **MAR 14 4 04 PM '64**

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

Name of Company Cities Service Oil Company		Address Box 69, Hobbs, New Mexico	
Lease Pate A	Well No. 5	Unit 10	Section 7
Date Work Performed 4-18-64		Pool Hinesand San Andres	Township 8S
		Range 35E	
		County Roosevelt	

THIS IS A REPORT OF: (Check appropriate block)

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

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

Drilled to TD, 4709', and ran 147 jts. 4½" OD 9.5# J-55 casing. Set and cemented @ 4708' w/105 sx posmix followed by 200 sx neat. Plug down @ 5:20 AM 4-18-64, waited on cement 24 hrs. Ran temperature survey, top of cement 3760', drilled to 4705'. Tested casing to 1000 PSI, held OK. Running tubing.

See attached for completion work.

Witnessed by Miles Nabors	Position Prod. Foreman	Company Cities Service Oil Company
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FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

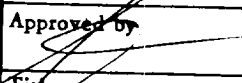
ORIGINAL WELL DATA			
D F Elev.	T D	P B T D	Producing Interval
Tubing Diameter		Tubing Depth	Completion Date
Oil String Diameter		Oil String Depth	
Perforated Interval(s)			
Open Hole Interval		Producing Formation(s)	

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 	Name W. B. Hutton
Title District Clerk	Position District Clerk
Date 4-18-64	Company Cities Service Oil Company

CHRONOLOGICAL DRILLING RECORD

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Date of Report	Total Depth	Description of Work Performed
4-21-64 (contd) 4-22-64	4705	Ran correlation log. Perforated 4690, 4697, and 4700 w/1-3/8" hole each. Running tubing and packer. PBD 4705 Dolomite. Swabbing. Ran tubing, set packer at 4665'. Swabbed tubing dry. No fluid coming in. Spotted 1000 gal acid (DS-30 LST) Well would not break down at 6000 psi. Reversed acid out. Perforated 3-3/8" holes at 4690, 3-3/8" holes at 4697, and 3-3/8" holes at 4700'. Acidized w/1000 gal. Max. press 4700 psi, Min. press 1400 psi, Rate 1.6 B/M @ 1400 psi. ISIP 1300 psi, 10 min. S.I. 1100 psi, opened to pit and blew down. Load to recover 43 bbls. water. Swabbed down to 3000'.
4-23-64	4684	PBD 4684 Dolomite. Swabbing. Swabbed back all load water (43 bbls) in 4 hours. Swabbing new fluid at rate of 1 barrel per hour. Fluid is all water that titrates 150,000 PPM chlorides. Pulled tubing and RTTS tool. Set Halliburton cast iron retainer at 4684. Mixed and pumped 50 sacks neat regular. Displaced 49 sacks at 1400 psi. Seated sealing bar in retainer. Reversed out 1 sack. Perforated 10 - 3/8" holes as follows: 4671, 4663, 4649, 4646, 4640, 4635, 4629, 4612, 4605, and 4588. Ran RTTS tool to 4570. Started swabbing for natural test at 5 A.M.
4-24-64	4684	PBD 4684 Dolomite. Preparing to frac. Set RTTS @ 4565. Acidized w/2000 gal. Max. 2100 psi, Min. 1400 psi, Rate 1.5 B/M. ISIP 1600 psi, 15 min SI 1300. Bled well down. Total load to recover 119 bbls. oil. Started out w/tubing. Dropped 18 joints w/RTTS tool. Screwed into fish. Came out of hole. Rigged up to frac. Tested lines to 2000 psi. Frac head cut out. Blow out preventer leaked. Shut in to replace.
4-25-64	4684	PBD 4684 Dolomite. Swabbing. Fraced w/20,000 gal lease crude and 20,000 lbs. sand. Max. press 3800 psi, min. press 3600, avg. inj. rate 13.5 B/M, ISIP 2700 psi, total load to recover 898 bbls. Flowed back 190 1/2 bbls. Ran tubing. Started swabbing at 9:30 P.M. 4-24-64. First 8 hours swabbed 110 bbls. cut 5%. Fluid level staying 1500' from surface. Will release rig and move off, then resume swabbing. (leaves 698 bbls. load to recover.)
4-26-64	4684	PBD 4684 Dolomite. Swabbing back load. Released rig at 6:00 A.M. 4-25-64. Moved off rig. Swabbed 7 hours recovering 46 bbls. fluid cut 80% water that titrated 364,000 PPM. Swabbing from 1500' (-652 load oil)
4-27-64	4684	PBD 4684 Dolomite. Swabbing. Swabbed 20 hours recovering 110 bbls. fluid cut 8% water. Fluid level 1800' from surface. Total load recovered 485.75 bbls. (-412 bbls. load oil) Will move and set pumping unit from Pate A #2.
4-28-64	4684	PBD 4684 Dolomite. Pfep. to run rods and pump. Swabbed 4 hours. Recovered 36 bbls. fluid cut 8% water titrates 184,000 PPM chlorides. Fluid level 1800' from surface. (-376 load oil) Will move pumping unit today from Pate A #2.
4-29-64	4684	PBD 4684 Dolo. Bailing sand @ 4662'. Pulled tubing. Found sand fillup. Started bailing sand at 4620'. Have bailed 16 hrs. Sand coming in.
4-30-64	4684	PBD 4684 Dolo. Running rods & pump. Cleaned out sand to bottom. Ran tubing (149 jts 4641') Started swabbing @ 5 P.M. 4-29-64. Swabbed 79 bbls. in 11 hrs. 75% water cut. Fluid level 2000' (-356 load oil)
5-1-64	4684	PBD 4684 Dolo. Ready to start pumping. Ran rods and pump. Set pumping unit. (-356 load oil)

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CHRONOLOGICAL DRILLING RECORD

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Date of Report	Total Depth	Description of Work Performed
5-2-64	4684	PBD 4684 Dolo. Pumping back load. Pumped 35 bbls. oil/16 hrs. +8% water shake out (going thru treater) (-321 load oil)
5-3-64	4684	PBD 4684 Dolo. Pumping back load oil. Pumped 45 oil, 10 water, 24 hrs. (-276 load oil)
5-4-64	4684	PBD 4684 Dolomite. Pumping back load oil. No report.
5-5-64	4684	PBD 4684 Dolomite. Pumping back load oil. 22 oil, 18 water, 8 hrs. (-254 load oil)
5-6-64	4684	PBD 4684 Dolomite. Pumping back load oil. Pumped 65 load oil, 13 water, 20 hrs. (-189 load oil) 54" stroke x 10 spm.
5-7-64	4684	PBD 4684 Dolomite. Pumping load oil. Pumped 54 oil, 22 water, 24 hrs. 54" stroke x 10 spm (-135 load oil).
5-8-64	4684	PBD 4684 Dolomite. Pumping load oil. Pumped 52.75 oil, 16.56 water, 24 hrs. (-82 load oil)
5-9-64	4684	PBD 4684 Dolomite. Pumping load oil. Pumped 77 oil, 16.5 water, 24 hours. (-5 load oil)
5-10-64	4684	PBD 4684 Dolomite. All load recovered. Pumping potential. Pumped 77 oil, 11 water, 24 hrs.
5-11-64	4684	PBD 4684 Dolomite. Well complete. Pumped from "A" zone of S.A. formation 71.50 bbls. of 28.0 gravity oil, 13.75 bbls. of formation water, 24 hours, gas TSTM, Calendar day allowable 38 bbls. <u>Last report.</u>