

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator The Atlantic Refining Company		Lease State Y		Well No. #4	
Location of Well A	Unit 25	Sec 25-S	Twp 37-E	Rge 37-E	County Lea
Name of Reservoir or Pool		Type of Prod (Oil or Gas)	Method of Prod Flow, Art Lift	Prod. Medium (Tbg or Csg)	Choke Size
Upper Compl	MoKee	Oil	Art. Lift	Tbg.	-
Lower Compl	Ellenburgur	Oil	Flow	Tbg.	12/64

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 8:00 a.m. (MST) 2-8-60

Well opened at (hour, date): 8:00 a.m. 2-9-60

	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		<u>X</u>
Pressure at beginning of test.....	<u>125</u>	<u>902</u>
Stabilized? (Yes or No).....	<u>No</u>	<u>Yes</u>
Maximum pressure during test.....	<u>239</u>	<u>940</u>
Minimum pressure during test.....	<u>195</u>	<u>720</u>
Pressure at conclusion of test.....	<u>239</u>	<u>867</u>
Pressure change during test (Maximum minus Minimum).....	<u>44</u>	<u>220</u>
Was pressure change an increase or a decrease?.....	<u>Increase</u>	<u>Decrease</u>
Well closed at (hour, date): <u>8:00 a.m. 2-10-60</u>	Total Time On Production <u>24 hrs.</u>	
Oil Production	Gas Production	
During Test: <u>111.73</u> bbls; Grav. <u>45.5°</u>	During Test <u>136</u> MCF; GOR <u>1217</u>	

Remarks _____

FLOW TEST NO. 2

Well opened at (hour, date): 8:00 a.m. 2-11-60

	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....	<u>X</u>	
Pressure at beginning of test.....	<u>269</u>	<u>964</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>269</u>	<u>964</u>
Minimum pressure during test.....	<u>40</u>	<u>963</u>
Pressure at conclusion of test.....	<u>40</u>	<u>963</u>
Pressure change during test (Maximum minus Minimum).....	<u>229</u>	
Was pressure change an increase or a decrease?.....	<u>Decrease</u>	<u>Decrease</u>
Well closed at (hour, date): <u>8:00 a.m. 2-12-60</u>	Total time on Production <u>24 hrs.</u>	
Oil Production	Gas Production	
During Test: <u>73.5</u> bbls; Grav. <u>38.3</u>	During Test <u>49.4</u> MCF; GOR <u>659</u>	

Remarks _____

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

Approved _____ 19
New Mexico Oil Conservation Commission

Operator The Atlantic Refining Company

By McCarver N. A. Galt

By [Signature]
Title _____

Title _____
Date February 15, 1960

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and immediately thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Commission.

2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Commission in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.

3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized and for a minimum of two hours thereafter, provided however, that they need not remain shut-in more than 4 hours.

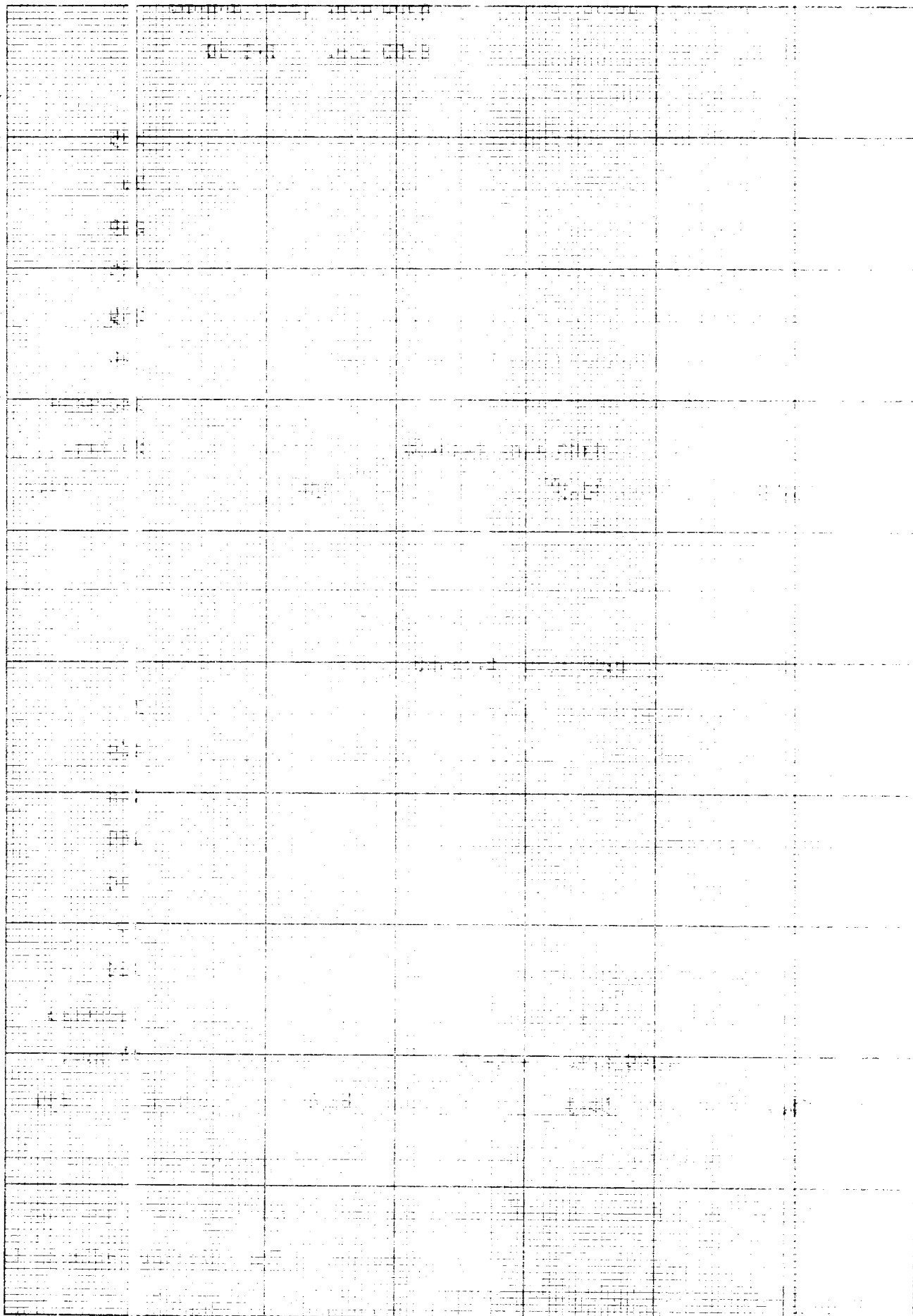
4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued until the flowing wellhead pressure has become stabilized and for a minimum of two hours thereafter, provided however, that the flow test need not continue for more than 24 hours.

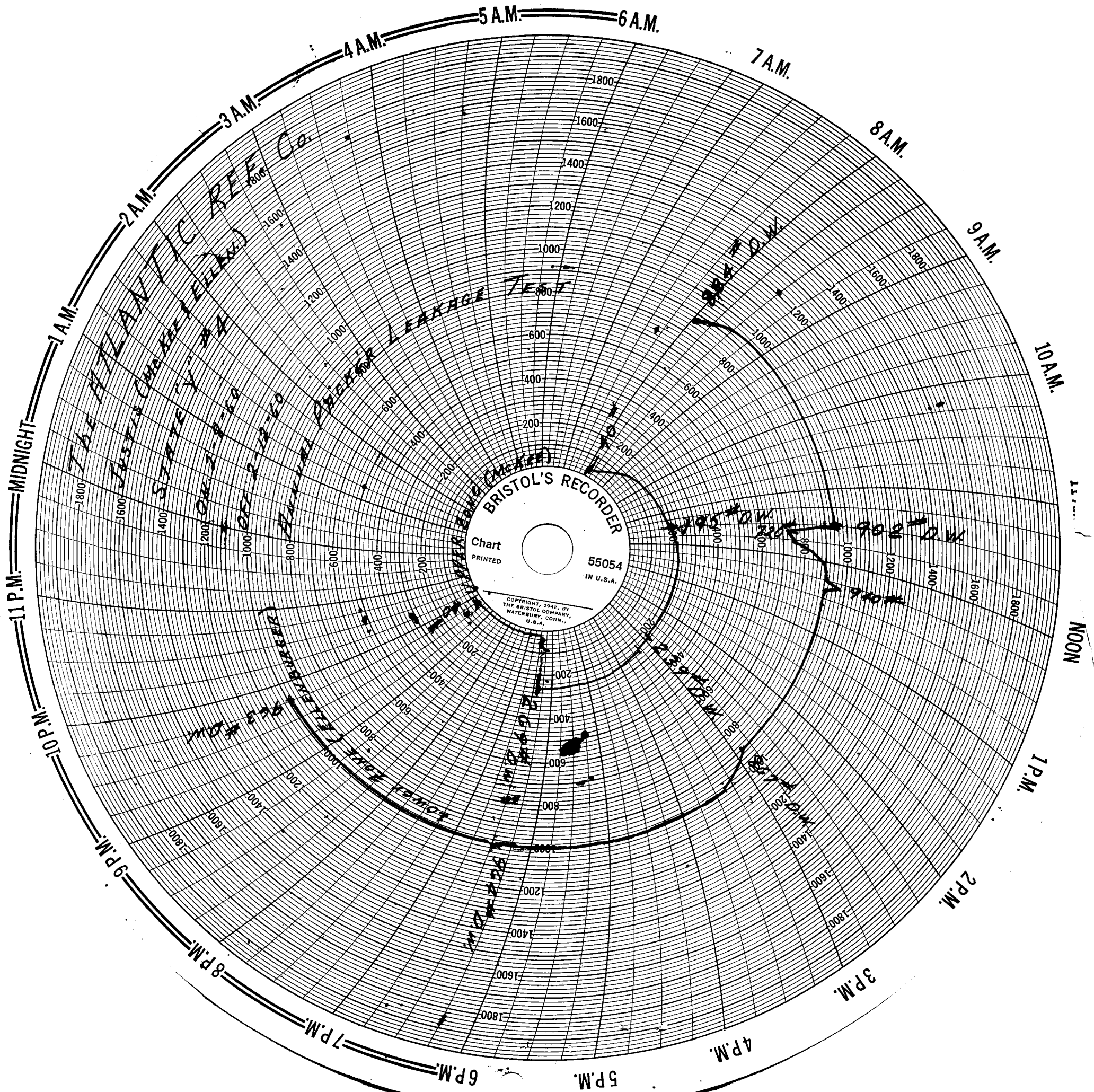
5. Following completion of Flow Test No. 1, the well shall again be shut-in in accordance with the instructions above.

6. Flow Test No. 2 shall be conducted upon the well as indicated during Flow Test No. 1. Procedures for Flow Test No. 2 shall be the same as for Flow Test No. 1 except that the previously produced zone shall be again shut-in while the previously shut-in zone is produced.

7. All pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be checked with a deadweight tester at least twice, once at the beginning and once at the end of each flow test.

8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the appropriate District Office of the New Mexico Oil Conservation Commission on Southeast New Mexico Packer Leakage Test Form Revised 11-1-58 together with the original pressure recording gauge charts with all the deadweight pressures which were taken indicated thereon. In lieu of filing the aforesaid charts, the operator may indicate pressure versus time curve for each zone of each test, indicated thereon all pressure changes which may be reflected by the gauge charts as well as all deadweight pressure readings which were taken. If the pressure curves submitted, the original chart must be permanently filed in the operator's office. Form C-116 shall also accompany the Packer Leakage Test Form when the test period coincides with a gas-oil ratio test period.





NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

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

Name of Company The Atlantic Refining Company				Address Box 1038 Denver City, Texas			
Lease State I	Well No. 4	Unit Letter A	Section 25	Township 25-S	Range 37-E		
Date Work Performed November 25, 1959	Pool Justis (McKee)			County Lee			

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☒ Other (Explain): **Install rod pumping equipment**
- ☐ Plugging
 ☐ Remedial Work

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

Installed the following equipment:

1 1/2" piston steel polished rod	22.00'
3/4" pony rod J-7	4.00'
147-3/4" J-12 CI "2" sucker rods	3675.00'
156-5/8" J-7 CI "2" sucker rods	3900.00'
5/8" J-7 pony rod	2.00'
2" x 1 1/2" x 16' x 22' insert pump	22.00'
Total rod string	7625.00'
R.K.B.M. to G.L.	10.60'
Pump set @	7635.60'
SN @ 7646.24' R.K.B.	
Pump set @ 7643' tubing meas.	

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

ORIGINAL WELL DATA

D F Elev. 3073'	T D 8165'	P B T D 8163'	Producing Interval 7636-7668'	Completion Date 2-13-59
Tubing Diameter 2"	Tubing Depth 7606.89'	Oil String Diameter 7" & 7 5/8"	Oil String Depth 8151.60'	
Perforated Interval(s) 7636'-7668'				
Open Hole Interval 0			Producing Formation(s) McKee	

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	11-12-59	99.00	17.5	2.	177	
After Workover	12-6-59	103.00	113.3	.41	1100	

OIL CONSERVATION COMMISSION		I hereby certify that the information given above is true and complete to the best of my knowledge.	
Approved by 		Name D. L. Langston	
Title District Foreman		Position District Foreman	
Date 12-10-59		Company The Atlantic Refining Company	