

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Amerada Petroleum Corporation			Lease State "Q"			Well No. 1		
Location of Well		Unit J	Sec 16	Twp 20-S	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	Monument - Grayburg			Oil	Pump	Tbg.	-	
Lower Compl	Monument - Tubb			Oil	Pump	Tbg.	-	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 11:00 AM, 8-16-64

Well opened at (hour, date):	<u>11:00 AM, 8-17-64</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....			X
Pressure at beginning of test.....		300	320
Stabilized? (Yes or No).....		No	No
Maximum pressure during test.....		320	320
Minimum pressure during test.....		300	25
Pressure at conclusion of test.....		320	40
Pressure change during test (Maximum minus Minimum).....		20	295
Was pressure change an increase or a decrease?.....		Increase	Decrease
Well closed at (hour, date):	<u>11:00 AM, 8-18-64</u>	Total Time On Production	24 Hrs.
Oil Production During Test:	<u>33.10</u> bbls; Grav. <u>38</u>	Gas Production During Test	<u>68.9%</u> MCF; GOR <u>2083</u>
Remarks _____			

FLOW TEST NO. 2

Well opened at (hour, date):	<u>11:00 AM, 8-19-64</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		X	
Pressure at beginning of test.....		340	420
Stabilized? (Yes or No).....		No	No
Maximum pressure during test.....		340	460
Minimum pressure during test.....		20	420
Pressure at conclusion of test.....		20	460
Pressure change during test (Maximum minus Minimum).....		320	40
Was pressure change an increase or a decrease?.....		Decrease	Increase
Well closed at (hour, date):	<u>11:00 AM, 8-20-64</u>	Total time on Production	24 Hrs.
Oil Production During Test:	<u>22.12</u> bbls; Grav. <u>32.2</u>	Gas Production During Test	<u>49.099</u> MCF; GOR <u>2220</u>
Remarks The short test periods registered on Chart are due to a faulty Recorder (Clock and the test periods are actually 24 Hrs.			

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

Approved <u>SEP 4 1964</u> New Mexico Oil Conservation Commission	Operator <u>Amerada Petroleum Corporation</u> By <u>[Signature]</u> Title <u>Assistant District Superintendent</u> Date <u>August 23, 1964</u>
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LEAKAGE TEST INSTRUCTIONS

3. Tests and analyses shall be commenced on each multiple completed well within 10 days after the actual completion of the multiple completion therewith as prescribed by the order authorizing the multiple and annually thereafter. Such tests shall also be commenced on all multiple completions within seven days following the completion of and/or chemical or fracture treatment, and when tubing has been installed. 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 established or when requested by the Commission.

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

3. The pressure stabilization test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in for a minimum of 24 hours after pressure in each has stabilized and for a minimum of two (2) days thereafter provided however that they need not remain shut-in for more than 72 hours.

4. For flows less than 100 gpm, the 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 at the test pressure of two hours thereafter, provided however, that the test may be discontinued for more than 24 hours.

5. Following completion of Flow Test, the flow test shall be shut in, in accordance with Paragraph 4.2.2.

6. Flow Test No. 2 shall be conducted even though no source is created during Flow Test No. 1. Procedure for Flow Test No. 2 is the same as for Flow Test No. 1 except that the previously created source shall remain shut-in while the previous source 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 dead-weight tester at least once, once at the beginning and once at the end of each flow test.

8. The results of the above-described tests shall be filed by the operator within 15 days after completion of the test. Tests shall be filed with the appropriate District Office of the New Mexico Conservation Commission on Southeast New Mexico Parkersburg. Each form shall be filed together with the original pressure recording gauge chart and the deadweight pressures which were taken indicated thereon. In the case of filing the aforesaid charts, the operator may construct a pressure versus time curve for each zone of each test, and attaching thereto the pressure changes which may be reflected by the gauge charts as well as the deadweight pressure readings which were taken. If the pressure chart is submitted, the original chart must be permanently filed in the operator's office. Form C-16 shall also accompany the pressure recording chart form when the test period coincides with a gas oil field test period.

NOBES OFFICE O.C.C.
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