

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Gulf Oil Corporation			Lease Higgins			Well No. 2		
Location of Well	Unit I	Sec 29	Twp 22N	Rge 38E	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	South Paddock		Oil	Pump	Tbg.	2" WO		
Lower Compl	Drinkard		Oil	Pump	Tbg.	2" WO		

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9:15 a.m., 1-20-64

Well opened at (hour, date): <u>9:15 a.m., 1-21-64</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		X
Pressure at beginning of test.....	241	93
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	241	93
Minimum pressure during test.....	198	5
Pressure at conclusion of test.....	198	5
Pressure change during test (Maximum minus Minimum).....	43	88
Was pressure change an increase or a decrease?.....	Decr.	Decr.
Well closed at (hour, date): <u>9:15 a.m., 1-22-64</u>	Total Time On Production 24 hrs	
Oil Production During Test: 13 bbls; Grav. 39.0 ;	Gas Production During Test 22.0 MCF; GOR	1692
Remarks _____		

FLOW TEST NO. 2

Well opened at (hour, date): <u>9:15 a.m., 1-23-64</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....	X	
Pressure at beginning of test.....	178	10
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	178	16
Minimum pressure during test.....	15	10
Pressure at conclusion of test.....	23	16
Pressure change during test (Maximum minus Minimum).....	163	6
Was pressure change an increase or a decrease?.....	Decr.	Incr.
Well closed at (hour, date): <u>9:15 a.m., 1-24-64</u>	Total time on Production 24 hrs	
Oil Production During Test: 81 bbls; Grav. 36.7 ;	Gas Production During Test 31.0 MCF; GOR	383
Remarks _____		

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

JAN 30 1964

Approved _____ 19
New Mexico Oil Conservation Commission

Operator GULF OIL CORPORATION
By J. W. Davis
J. W. DAVIS
Title WELL TESTER
Date 1-26-64

1. A packer leakage test shall be commenced for each zone of a well within seven days after actual completion of the well. Such tests shall also be commenced on all multiple completions within 30 days following recompletion and/or chemical or fracture treatment whenever remedial work has been done on a well during which the packer or tubing have been disturbed. Tests shall also be taken at any time if 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 of the date the test is to be commenced. Offset operators shall also be notified.

3. The packer leakage test shall commence when both zones of a well completion are shut-in for pressure stabilization. Such tests shall be shut-in until the well-head pressure in each zone has stabilized for a minimum of two hours thereafter, provided however that the well is not shut-in more than 24 hours.

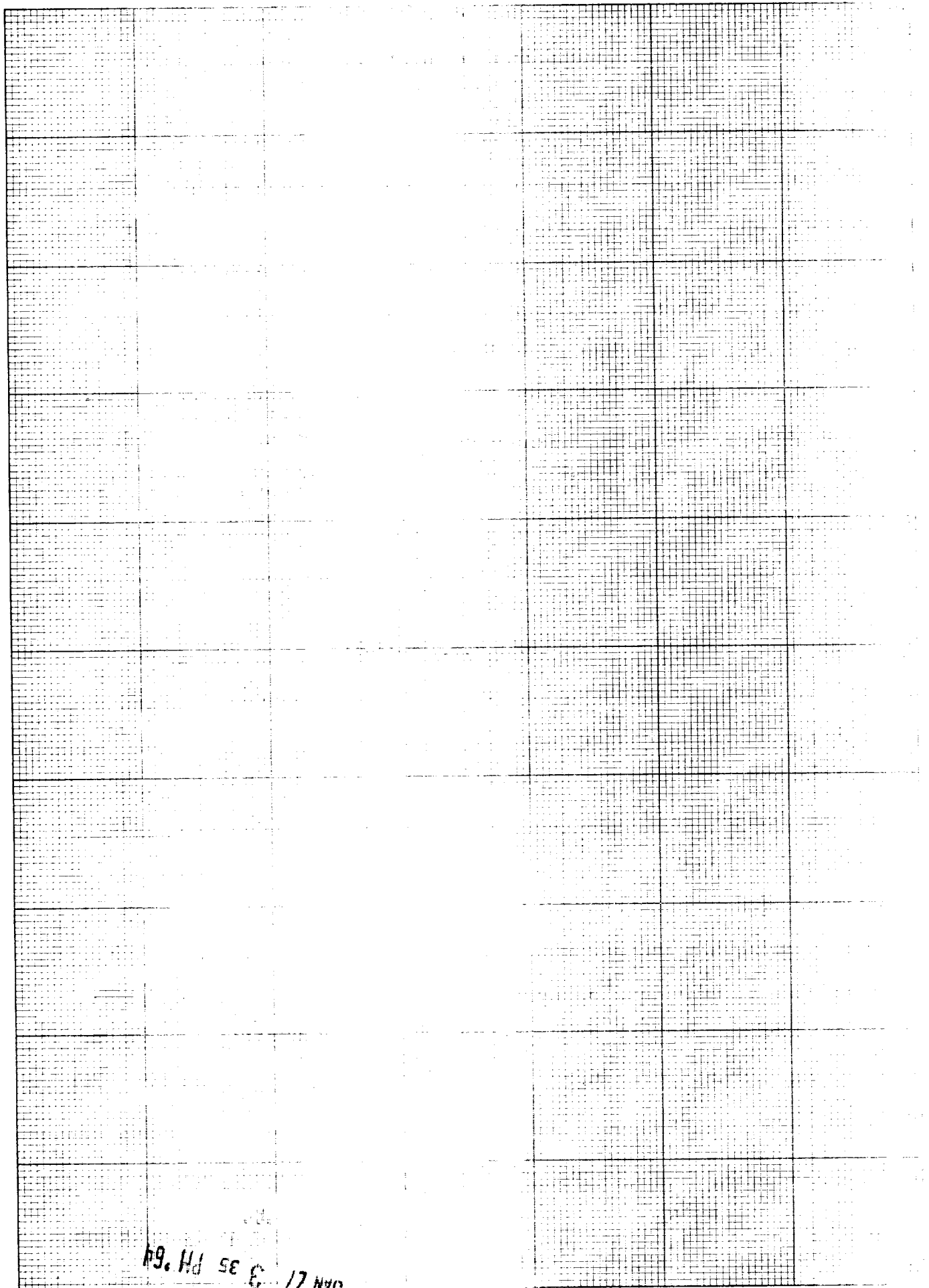
4. For Flow Test No. 1, one zone of the dual completion shall be flowing at the normal rate of production while the other zone remains shut-in. The test shall be continued until the flowing wellhead pressure in each zone is stabilized and for a minimum of two hours thereafter. The test shall be continued until the flow test need not continue for test after 24 hours.

Following completion of Flow Test No. 1, the well shall again be shut-in in accordance with graph 3 above.

5. Flow Test No. 2 shall be conducted even though no leakage is detected during Flow Test No. 1. Procedure for Flow Test No. 2 shall be the same as for Flow Test No. 1 except that the previously produced zone shall remain shut-in while the previously shut-in zone is produced.

6. 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 twelve hours before beginning and once at the end, of each flow test.

The results of the above-described tests shall be filed in the well file 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 C-116, together with the original pressure recording gauge charts and deadweight pressures which were taken indicating thereon. In addition to the aforesaid charts, the operator may construct a pressure versus time curve for each zone of each test, indicating 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 are 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.



49. H1 SE 8
JUN 27 3 35 PM '64
NORTH OIL CO.