This form is not to be used for reporting packer leakage tests in Southeast New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION

Revised 11-1-58

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Magnolia Petroleum Company Lease Jicarilla "H" Well No. 3

Location of Well: Unit A Sec. 13 Twp. 26N Rge. 3W County Rio Arriba

	Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. (Flow)	Prod. Medium (Tbg. or Csg.)
Upper Completion	Pictured Cliffs	Gas	Flow	Tubing
Lower Completion	Blanco Mesaverde	"	"	"

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Compl	Hour, date Shut-in	11:00 A.M. 1/3/59	Length of time shut-in	7 Days	SI press. psig 1147	Stabilized? (Yes or No) Yes
Lower Compl	Hour, date Shut-in	11:00 A.M. 1/3/59	Length of time shut-in	7 Days	SI press. psig 1257	Stabilized? (Yes or No) No

FLOW TEST NO. 1

Commenced at (hour, date)* 11:30 A.M. 1/10/59 Zone producing (Upper or Lower): Lower

Time (hour, date)	Lapsed time since*	Pressure Upper Compl.	Pressure Lower Compl.	Prod. Zone Temp. F	Remarks
11:00 A.M. 1/10/59	Prior to Test	1147 psig	1257 psig	-	None
12:00 Noon 1/13/59	3 Days	1151 psig	546 psig	61°F	"
12:00 Noon 1/17/59	7 Days	1150 psig	528 psig	60°F	"

Production rate during test

Oil: - BOPD based on - Bbls. in - Hrs. - Grav. - GOR -

Gas: 30 MCFPD; Tested thru (Orifice or Meter): Meter

MID-TEST SHUT-IN PRESSURE DATA

Upper Compl	Hour, date Shut-in	12:30 P.M. 1/17/59	Length of time shut-in	7 Days	SI press. psig 1150	Stabilized? (Yes or No) Yes
Lower Compl	Hour, date Shut-in	12:30 P.M. 1/17/59	Length of time shut-in	7 Days	SI press. psig 1165	Stabilized? (Yes or No) No

FLOW TEST NO. 2

Commenced at (hour, date)** 12:15 P.M. 1/24/59 Zone producing (Upper or Lower): Upper

Time (hour, date)	Lapsed time since **	Pressure Upper Compl.	Pressure Lower Compl.	Prod. Zone Temp. F	Remarks
12:30 P.M. 1/24/59	15 Min.	262 psig	1165	54°F	Upper Zone open to
12:45 P.M. 1/24/59	30 Min.	158 psig	1160	56°F	air for 3 hours.
1:00 P.M. 1/24/59	45 Min.	105 psig	1160	56°F	
1:15 P.M. 1/24/59	60 Min.	65 psig	1160	57°F	
2:15 P.M. 1/24/59	2 Hrs.	40 psig	1160	57°F	
3:15 P.M. 1/29/59	3 Hrs.	4 psig	1161	57° F	

Production rate during test

Oil: - BOPD based on - Bbls. in - Hrs. - Grav. - GOR -

Gas: 210 MCFPD; Tested thru (Orifice or Meter): 0.750" Choke

REMARKS: The Upper Zone is not connected to a pipeline and therefore, was tested to air for 3 Hrs.

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

Approved: 2-20 1959
New Mexico Oil Conservation Commission

By Emery C. Arnold

Title Supervisor Dist. # 3

Operator Magnolia Petroleum Company

By William A. Magee

Title Jr. Gas Engineer

Date 2/17/59

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NEW MEXICO [illegible] (NON-[illegible])

1. A packer leakage test shall be commenced on each multiple completion well within seven days after actual completion of the well and annually 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 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. Provided however, that they need not remain shut-in more than seven days.

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 for seven days in the case of a gas well or for 24 hours in the case of an oil well. Note: If, on an initial packer leakage test, a gas well is being flowed to the atmosphere due to the lack of a pipeline connection then the flow period shall be three hours.

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

6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall remain shut-in while the zone which was previously shut-in is produced.

[illegible] measured on each zone with a [illegible] as follows: 3-hour tests [illegible] fifteen-minute [illegible] and at hourly intervals there- [illegible] tests immediately prior to the [illegible] test one time during each flow period [illegible] immediately prior to the next [illegible] wells which have previously shown questionable test

zone tests: all pressures, throughout the entire test, [illegible] measured and recorded with recording pressure [illegible] and one [illegible] end of each test, with a deadweight pressure [illegible] gas-oil or an oil-gas dual completion, the record- [illegible] the oil zone only with deadweight pressures [illegible] zone.

The [illegible] of the above-described tests shall be filed in triplicate [illegible] completion of the test. Tests shall be filed with [illegible] Mexico Oil Conservation Commission on [illegible] Packer Leakage Test Form Revised 11-1-58, with all [illegible] thereon as well as the flowing temperatures [illegible] gravity and GOR (oil zones only). A pressure versus [illegible] graph of each test shall be constructed on the reverse [illegible] Packer Leakage Test form with all deadweight pressure points [illegible] thereon. For oil zones, the pressure curve should also [illegible] to all [illegible] pressure changes which may be reflected by the recording [illegible] those [illegible] changes should also be tabulated on the [illegible] Pressure Test Form.

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