

NEW MEXICO OIL CONSERVATION COMMISSION

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Sinclair Oil & Gas Company			Lease Mescalero Ridge Unit DE			Well No. 1	
Location of Well	Unit D	Sec 21	Twp 19 S	Rge 34 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	Quail Ridge Bone Springs		Oil	Pump	Tbg	3/4	
Lower Compl	Quail Ridge Morrow		Gas	Flow	Tbg	18/64	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9:15 A.M. Feb. 7, 1966

Well opened at (hour, date): <u>8:45 A.M. Feb. 8, 1966</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		<u>X</u>
Pressure at beginning of test.....	<u>321</u>	<u>1495</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>321</u>	<u>1495</u>
Minimum pressure during test.....	<u>321</u>	<u>560</u>
Pressure at conclusion of test.....	<u>321</u>	<u>595</u>
Pressure change during test (Maximum minus Minimum).....	<u>0</u>	<u>935</u>
Was pressure change an increase or a decrease?.....	<u>No change</u>	<u>Decrease</u>
Well closed at (hour, date): <u>12:30 P.M. Feb. 8, 1966</u>	Total Time On Production <u>3 3/4 hrs.</u>	
Oil Production	Gas Production	
During Test: <u>7</u> bbls; Grav. <u>53</u> ;	During Test <u>85</u> MCF; GOR <u>12,143</u>	
Remarks _____		

FLOW TEST NO. 2

Well opened at (hour, date): <u>8:30 A.M. Feb. 9, 1966</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....	<u>X</u>	
Pressure at beginning of test.....	<u>321</u>	<u>1672</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>321</u>	<u>1680</u>
Minimum pressure during test.....	<u>45</u>	<u>1672</u>
Pressure at conclusion of test.....	<u>45</u>	<u>1680</u>
Pressure change during test (Maximum minus Minimum).....	<u>276</u>	<u>8</u>
Was pressure change an increase or a decrease?.....	<u>Decrease</u>	<u>Increase</u>
Well closed at (hour, date): <u>8:30 A.M. Feb. 10, 1966</u>	Total time on Production <u>24 hours</u>	
Oil Production	Gas Production	
During Test: <u>110</u> bbls; Grav. <u>39</u> ;	During Test <u>97</u> MCF; GOR <u>882</u>	
Remarks <u>Annual test.</u>		

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 Sinclair Oil & Gas Company

By A. L. Smith

By _____
Title _____

Title Tester - Oil Reports & Gas Services

Date February 14, 1966

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[illegible]

Operator will be notified of any leakage test, and will be notified of the exact time the test is to be performed. Operator will be so notified.

[illegible]

the normal form of the solid, but while the other zero remains stable. Such a zero is called a "ghost zero" because it is a zero of the characteristic equation, but it does not correspond to a physical mode of vibration. The ghost zero is a result of the fact that the system is not a simple harmonic oscillator, but a more complex system. The ghost zero is a result of the fact that the system is not a simple harmonic oscillator, but a more complex system. The ghost zero is a result of the fact that the system is not a simple harmonic oscillator, but a more complex system.

3. Following completion of flow test no. 1 the well was sealed in accordance with Paragraph 1 above.

6. Flow Test No. 2 shall be conducted even though no leak is detected during Flow Test No. 1. The duration for Flow Test No. 2 shall be the same as for Flow Test No. 1 except that the previously produced gas shall be maintained while the previously shut-in zone is produced.

7. All pressures throughout the entire test shall be continuously measured and recorded using recording pressure gauges, the use of which must be checked on a dead-weight tester at least once and a beginning and once at the end of each flow test.

8. The results of the above-described tests shall be filed in the appropriate district office of the New Mexico Oil Conservation Commission within 15 days after completion of the test. Tests shall be conducted in the appropriate district office of the New Mexico Oil Conservation Commission or at the Southwestern Petroleum Leasing Test Station, together with the original pressure recording gauge charts and deadweight pressures which were taken indicated thereon. After filing the aforesaid charts, the operator may construct a pressure-time curve for each zone in each test, indicating the pressure changes which may be indicated by the gauge charts as well as the weight pressure readings which were taken. If the pressure recording charts are not available, the operator must be permanently filed in the district office form 16-50, also accompany the packer leak-off test. When the test is to be conducted with a gas-oil ratio test, the

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