

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Pan American Petroleum Corporation			Lease State "G" Tract 12			Well No. 3	
Location of Well	Unit E	Sec 16	Twp 21	Rge 37	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	Dumont	Gas	Flow	Csg.	Open		
Lower Compl	Drinkard	Oil	Flow	Tbg.	35/64		

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 8:30 A. M. - 3/29/65

	Upper Completion	Lower Completion
Well opened at (hour, date): <u>4:00 P. M. - 3/29/65</u>		
Indicate by (X) the zone producing.....		X
Pressure at beginning of test.....	255	350
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	255	350
Minimum pressure during test.....	255	180
Pressure at conclusion of test.....	255	180
Pressure change during test (Maximum minus Minimum).....	0	170
Was pressure change an increase or a decrease?.....	-	Dec.
Well closed at (hour, date): <u>8:00 A. M. - 3/30/65</u>	Total Time On Production 16 hours	
Oil Production During Test: <u>27.50</u> bbls; Grav. <u>36³</u>	Gas Production During Test <u>268</u>	MCF; GOR <u>9,571</u>
Remarks <u>No leak indicated</u>		

FLOW TEST NO. 2

	Upper Completion	Lower Completion
Well opened at (hour, date): <u>2:00 P.M. - 3/30/65</u>		
Indicate by (X) the zone producing.....	X	
Pressure at beginning of test.....	275	460
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	275	485
Minimum pressure during test.....	60	460
Pressure at conclusion of test.....	60	485
Pressure change during test (Maximum minus Minimum).....	215	25
Was pressure change an increase or a decrease?.....	Dec.	Inc.
Well closed at (hour, date) <u>8:30 A.M. - 3/31/65</u>	Total time on Production 16 1/2 hours	
Oil Production During Test <u>Dry Gas</u> bbls; Grav. <u>-</u>	Gas Production During Test <u>125</u>	MCF; GOR <u>-</u>
Remarks <u>No leak indicated</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 Pan American Petroleum Corporation
Original Signed By
J. W. MEEK

By _____
Title _____

Title Area Engineer
Date April 8, 1965

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SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Pan American Petroleum Corporation			Lease State "G" Tract 12			Well No. 3		
Location of Well		Unit E	Sec 16	Twp 21	Rge 37	County Lee		
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 Bumont			Gas	Flow	Csg			
Lower Compl Drinkard			Oil	Flow	Tbg			

FLOW TEST NO. 1

Both zones shut-in at (hour, date): **8:30 AM 2-10-64**

Well opened at (hour, date): 8:45 AM 2-11-64	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....	X	
Pressure at beginning of test.....	130	270
Stabilized? (Yes or No).....	Yes	No
Maximum pressure during test.....	130	270
Minimum pressure during test.....	25	250
Pressure at conclusion of test.....	25	250
Pressure change during test (Maximum minus Minimum).....	105	20
Was pressure change an increase or a decrease?.....	Decrease	Decrease
Well closed at (hour, date): 8:45 AM 2-12-64	Total Time On Production 24 hours	
Oil Production	Gas Production	
During Test: Dry Gas bbls; Grav. ----	During Test 42 MCF; GOR ----	
Remarks No leak indicated. Decrease in Drinkard tubing pressure due to tubing loading with oil.		

FLOW TEST NO. 2

Well opened at (hour, date): 8:45 AM 2-13-64	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		X
Pressure at beginning of test.....	90	180
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	90	120
Minimum pressure during test.....	90	120
Pressure at conclusion of test.....	90	180
Pressure change during test (Maximum minus Minimum).....	0	60
Was pressure change an increase or a decrease?.....	---	Decrease
Well closed at (hour, date) 8:45 AM 2-14-64	Total time on Production 24 hours	
Oil Production	Gas Production	
During Test: 11 bbls; Grav. 38.4	During Test 129 MCF; GOR 11.727	
Remarks		

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

MAR 4 1964

Approved _____ 19____
New Mexico Oil Conservation Commission

Operator **Pan American Petroleum Corporation**
By _____
Original Signed By: **J. W. MEEK**

By _____
Title **Area Engineer**

Title **Engineer District 1**
Date **March 2, 1963**

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

2. A packer leakage test shall be performed and successfully completed well within seven days after the completion of the well and annually thereafter as prescribed by the user shall allow for multiple completion. Such tests shall include a minimum of 100 psi of completion within seven days following completion of the well and no pressure treatment, and whenever remedial work is performed 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.
3. At least 72 hours after the commencement of a packer leakage test, the operator shall notify the Commission in writing of the exact time the test is to be performed. Prior notification shall also be so notified.
4. The packer leakage test shall commence with all zones of the dual completion are shut-in the pressure shall remain shut-in until the well head pressure has stabilized and for a minimum of two hours immediately after shut-in. The well head pressure shall not remain shut-in more than 96 hours.
5. For Flow Test the well shall be shut-in for 24 hours. No flow shall be produced at the normal rate of circulation for the test. Zone remains shut-in. Such test shall be continued until the well head pressure has become stabilized and for a minimum of four hours after that provided however, that the flow test shall be continued for more than 4 hours.

6. Flow Test No. 1 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 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 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. The pressure curve is 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.

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