

NEW MEXICO OIL CONSERVATION COMMISSION  
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Humble Oil & Refining Company			Lease New Mexico State "M"			Well No. 20				
Location of Well	Unit F	Sec 29	Twp 22-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	Langlie-Mattix		Oil		Pump		Tbg.		Open	
Lower Compl	San Andres		Water*		Shut In		Csg.		--	

\*Lower San Andres tested as possible water source for Langlie-Mattix flood.  
FLOW TEST NO. 1

Both zones shut-in at (hour, date): Langlie-Mattix, 8:00 A.M., 2-4-63. San Andres, 3 weeks.

Well opened at (hour, date): <u>8:00 A.M., 2-5-63</u>	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....	X	
Pressure at beginning of test.....	110	50
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	110	50
Minimum pressure during test.....	18	50
Pressure at conclusion of test.....	18	50
Pressure change during test (Maximum minus Minimum).....	92	0
Was pressure change an increase or a decrease?.....	Dec.	-
Well closed at (hour, date): <u>3:00 P.M., 2-5-63</u>	Total Time On Production <u>7 hours</u>	
Oil Production	Gas Production	
During Test: <u>3</u> bbls; Grav. <u>38.5</u>	; During Test <u>34</u> MCF; GOR <u>11,500</u>	
Remarks <u>Note: 4-1/2" and 2-7/8" casing strings in common well bore, Langlie-Mattix</u> <u>producing through 2-7/8" string.</u>		

FLOW TEST NO. 2

Well opened at (hour, date): <u>6:30 A.M., 2-6-63</u>	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....		X
Pressure at beginning of test.....	110	50
Stabilized? (Yes or No).....	No	Yes
Maximum pressure during test.....	135	50
Minimum pressure during test.....	110	0
Pressure at conclusion of test.....	135	0
Pressure change during test (Maximum minus Minimum).....	25	50
Was pressure change an increase or a decrease?.....	Inc.	Dec.
Well closed at (hour, date): <u>3:30 P.M., 2-6-63</u>	Total time on Production <u>9 hours</u>	
Oil Production	Gas Production	
During Test: <u>0</u> bbls; Grav. <u>-</u>	; During Test <u>0</u> MCF; GOR <u>-</u>	
Remarks <u>Note: This well had 50# pressure buildup which blew down in a "puff" and would not</u> <u>build up after shut-in.</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 <u>Humble Oil &amp; Refining Company</u> By _____ Title <u>Agent</u> Date <u>2-15-63</u>
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