

APR 16

This report shall be
submitted for reporting
packer leakage tests
to Northeast New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator		Humble Oil & Refining Co.			HOBBBS OFFICE D. C. C.		Lease		N. M. State EM		Well No. 1	
Location of Well		Unit 1		Sec 2		Twp 16 N 10 E 36 S		Rge 25		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		Fusselman		Oil		Flow		2-7/8" Csg.		22/64		
Lower Compl		McKee		Oil		Flow		2" Tbg.		32/64		

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9:45 A.M., April 2, 1964

Well opened at (hour, date): 1:00 P.M., April 3, 1964

	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		X
Pressure at beginning of test.....	755	500
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	755	500
Minimum pressure during test.....	725	95
Pressure at conclusion of test.....	725	95
Pressure change during test (Maximum minus Minimum).....	30	405
Was pressure change an increase or a decrease?.....	Decrease	Decrease
Well closed at (hour, date): 2:00 P.M., 4-4-64	Total Time On Production 25 Hours	
Oil Production	Gas Production	
During Test: 26 bbls; Grav. 45.5	; During Test 142 MCF; GOR	5,462
Remarks		

FLOW TEST NO. 2

	Upper Completion	Lower Completion
Well opened at (hour, date): 9:15 A.M., April 5, 1964		
Indicate by (X) the zone producing.....	X	
Pressure at beginning of test.....	700	555
Stabilized? (Yes or No).....	Yes	No
Maximum pressure during test.....	700	555
Minimum pressure during test.....	50	490
Pressure at conclusion of test.....	50	490
Pressure change during test (Maximum minus Minimum).....	650	65
Was pressure change an increase or a decrease?.....	Decrease	Decrease
Well closed at (hour, date): 9:15 A.M., 4-6-1964	Total time on Production 24 Hours	
Oil Production	Gas Production	
During Test: 88 bbls; Grav. 36.1	; During Test 91 MCF; GOR	1,034
Remarks This dual produces through 4-1/2" and 2-7/8" casing strings in a single well bore.		

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 Humble Oil & Refining Company

By COPY ORIGINAL SIGNED E. S. DAVIS

By _____
Title _____

Title Agent
Date April 15, 1964

[illegible]

Figure 1. The effect of the concentration of the *Agaricus bisporus* spores on the growth of *Aspergillus fumigatus* on the agar medium. The growth of *A. fumigatus* was measured by the optical density of the culture at 600 nm. The concentration of the *A. bisporus* spores was 10² (□), 10³ (▤), 10⁴ (▥), 10⁵ (▦), 10⁶ (▧), 10⁷ (▨), 10⁸ (▩) and 10⁹ (●) spores/ml. The growth of *A. fumigatus* was significantly inhibited by the concentration of 10⁶ spores/ml of *A. bisporus* spores. Error bars represent standard deviation.