

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHERN NEW MEXICO ZONE SEGREGATION

Operator	Marathon Oil Company			Lease	State Warn A/c 1			Well No.	3
Location of Well	Unit	Sec.	31	Twp.	17S	Rge.	35E	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	North Vacuum Abo			Oil		Flow		Tubing	21/64
Middle Compl	Vacuum Wolfcamp			Oil		Flow		Tubing	18/64
Lower Compl	Vacuum Upper Penn			Oil		Flow		Tubing	14/64

FLOW TEST NO. 1

Zones shut-in at (hour, date): 5:30 PM Abo 6-30-64, Wolf. & Penn 10:00 AM 6-28-64

Recorder installed 5:30 PM 6-30-64

Well opened at (hour, date):	<u>2:00 PM 7-1-64</u>	Upper Compl	Middle Compl	Lower Compl
Indicate by (X) the zone producing		<u>X</u>		
Pressure at beginning of test		<u>510</u>	<u>1150</u>	<u>735</u>
Stabilized? (Yes or No)		<u>Yes</u>	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test		<u>510</u>	<u>1150</u>	<u>735</u>
Minimum pressure during test		<u>70</u>	<u>1140</u>	<u>690</u>
Pressure at conclusion of test		<u>185</u>	<u>1140</u>	<u>690</u>
Pressure change during test (Maximum minus Minimum)		<u>440</u>	<u>10</u>	<u>45</u>
Is pressure change an increase or a decrease?		<u>Decr.</u>	<u>Decr.</u>	<u>Decr.</u>
		Total Time On		
Well closed at (hour, date):	<u>8:15 AM 7-2-64</u>	Production	<u>18 1/4</u>	
Oil Production		Gas Production		
During test:	<u>192.50</u> bbls; Grav. <u>39°</u>	During Test	<u>171.13</u>	MCF; GOR <u>889</u>
Remarks	<u>Penn. & Wolf. strings loading with fluid</u>			

FLOW TEST NO. 2

Well opened at (hour, date):	<u>8:15 AM 7-3-64</u>	Upper Comp1	Middle Comp1	Lower Comp1
Indicate by (X) the zone producing			X	
Pressure at beginning of test		<u>710</u>	<u>1100</u>	<u>620</u>
Stabilized? (Yes or No)		<u>Yes</u>	<u>Yes</u>	<u>No</u>
Maximum pressure during test		<u>710</u>	<u>1100</u>	<u>620</u>
Minimum pressure during test		<u>710</u>	<u>100</u>	<u>580</u>
Pressure at conclusion of test		<u>710</u>	<u>120</u>	<u>580</u>
Pressure change during test (Maximum minus Minimum)		<u>0</u>	<u>1000</u>	<u>40</u>
Is pressure change an increase or a decrease?		<u>N.C.</u>	<u>Decr.</u>	<u>Decr.</u>
		Total Time On		
Well closed at (hour, date)	<u>8:15 AM 7-4-64</u>	Production	<u>24</u>	
Oil Production		Gas Production		
During Test:	<u>190.54</u> bbls; Grav. <u>38.3</u>	During Test	<u>219.12</u> MCF; GOR	<u>1150</u>
Remarks	<u>Penn string loading with fluid</u>			

FLOW TEST NO. 3

Well opened at (hour, date):	<u>8:15 AM 7-5-64</u>	Upper Compl	Middle Compl	Lower Compl
Indicate by (X) the zone producing				X
Pressure at beginning of test		<u>730</u>	<u>880</u>	<u>510</u>
Stabilized? (Yes or No)		<u>Yes</u>	<u>No</u>	<u>No</u>
Maximum pressure during test		<u>735</u>	<u>1070</u>	<u>910</u>
Minimum pressure during test		<u>730</u>	<u>880</u>	<u>510</u>
Pressure at conclusion of test		<u>735</u>	<u>1070</u>	<u>840</u>
Pressure change during test (Maximum minus Minimum)		<u>5</u>	<u>190</u>	<u>400</u>
Is pressure change an increase or a decrease?		<u>Incr.</u>	<u>Incr.</u>	<u>Incr.</u>
Total Time On				
Well closed at (hour, date):	<u>8:15 AM 7-6-64</u>	Production	<u>24</u>	
Oil Production		Gas Production		
During Test:	<u>242.12</u> bbls; Grav. <u>39.8</u>	During Test	<u>304.83</u> MCF; GOR	<u>1259</u>
Remarks	<u>The results of this test shows that there is not any communication between zones.</u>			

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

Witnessed 19
New Mexico Oil Conservation Commission

Operator Marathon Oil Company
By [Signature]
Title Petroleum Engineer
Date 7-8-64

MARATHON OIL COMPANY
 "Diagrammatic Sketch of Tubingless Triple Completion"
 St. Warn A/c 1, Well No. 3
 Unit F, Sec 31, T-17-S, R-35-E
 Lea County, New Mexico
 7-6-64



