

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO ZONE SEGREGATION TEST

Operator	Lease			Well		
Marathon Oil Company	McCallister State			No. 5		
Location	Unit	Sec.	Twp.	Rge.	County	
of Well	M	25	17S	34E	Lea	
Name of Reservoir or Pool			Type of Prod	Method of Prod	Prod Medium	Choke
			(Oil or Gas)	Flow, Art Lift	(Tbg or Csg)	Size
Upper	North Vacuum Abo		Oil	G.L.	Tbg.	-
Compl						
Middle	Vacuum Wolfcamp		Oil	Flow	Tbg.	-
Compl.						
Lower	Vacuum Devonian		Oil	S.I.	Tbg.	-
Compl						

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 10:30 AM 9-27-71

Well opened at (hour, date):	10:30 AM	9-28-71	Upper	Middle	Lower
Indicate by (X) the zone producing			Compl	Compl	Compl
Pressure at beginning of test			360	490	485
Stabilized? (Yes or No)			No	Yes	Yes
Maximum pressure during test			390	490	485
Minimum pressure during test			360	25	485
Pressure at conclusion of test			390	25	485
Pressure change during test (Maximum minus Minimum)			30	465	0
Was pressure change an increase or a decrease?			Incr.	Decr.	NA

Total Time On

Well closed at (hour, date): 2:00 PM 9-28-71 Production 3 Hrs. 30 Min.

Oil Production Gas Production

During test: 1.1 bbls; Grav. 40.4 ; During Test 7.49 MCF; GOR 6809

Remarks Test indicates there is no communications between Wolfcamp and other zones.

FLOW TEST NO. 2

Well opened at (hour, date):	8:45 AM	9-29-71	Upper	Middle	Lower
Indicate by (X) the zone producing			Compl	Compl	Compl
Pressure at beginning of test			525	430	515
Stabilized? (Yes or No)			No	No	No
Maximum pressure during test			525	610	515
Minimum pressure during test			35	430	240
Pressure at conclusion of test			50	610	245
Pressure change during test (Maximum minus Minimum)			490	180	275
Was pressure change an increase or a decrease?			Decr.	Incr.	Decr.

Total Time On

Well closed at (hour, date) 9:00 AM 9-30-71 Production 24 Hrs. 15 Min.

Oil Production Gas Production

During Test: 10.8 bbls; Grav. 40.6 During Test 6.40 MCF; GOR 5925

Remarks No gas lift gas injected during tests. For additional remarks see below.

FLOW TEST NO. 3

Well opened at (hour, date):			Upper	Middle	Lower
Indicate by (X) the zone producing			Compl	Compl	Compl
Pressure at beginning of test			445	650	430
Stabilized? (Yes or No)			No	Yes	Yes
Maximum pressure during test			445	655	430
Minimum pressure during test			395	650	15
Pressure at conclusion of test			395	655	15
Pressure change during test (Maximum minus Minimum)			50	5	415
Was pressure change an increase or a decrease?			Decr.	Incr.	Decr.

Total Time On

Well closed at (hour, date) Production

Oil Production Gas Production

During Test: 0 bbls; Grav. - During Test TSTM MCF; GOR --

Remarks Indicated communications is believed to be due to faulty gas lift valves. Both Abo and Devonian are equipped with gas lift valves. Well scheduled for recompletion work in both Abo and

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

By
Title

Operator Marathon Oil Company

By

Title Petr. Engr.

Date 10-5-71

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