

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special Date: 4-11-79		Well Name: NM 020498	
Company: Marathon Oil Company		Location: Pictured Cliffs	
Pool: Kutz Canyon		State: M	
Completion Date: 4-11-79	Total Depth: 1760	Perforations: 1722	Pressure: 5590 KB
Csg. Size: 4.5	Wt. 10.5	Set At: 1760	Perforations: From 1614 To 1626
Tbg. Size: 2.375	Wt. 4.7	Set At: 1558	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas		Packer Set At: none	County: San Juan
Producing Thru Tubing	Reservoir Temp. °F: 82 @ 1550	Mean Annual Temp. °F: 12.0	State: New Mexico
L	H	Gg: 0.650	% CO ₂ % N ₂ % H ₂ S Prover: X Meter Run Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	7 days +						288		288	
1.	2 X 3/4						48	60	152	
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super. Comp. Factor Fpv	Rate of Flow Q, Mcfd
1	9.453		60	1.000	1.240	1.000	703 ✓
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio	A.P.L. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.										
2.										
3.										
4.										
5.										

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2}$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n$
1		164	26896	63104	1.4262	1.3522
2						
3						
4						
5						

Absolute Open Flow: 951 / 1077 Mcfd @ 15.025 Angle of Slope: 85°

Remarks:

Approved By Commission:	Conducted By: Archie Hughes	Calculated By: Neil Tefteller	Checked By: M.E. Kufe 5/14/79
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Page 1 of 2
File 2-9379-AOF & P

Company MARATHON OIL COMPANY
Field KUTZ CANYON
Location PICTURED CLIFFS

OHIO GOV'T
SAN JUAN
DATE APRIL 11, 1979

Well No 4
State NEW MEXICO

