

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						Test Date 1-31-78	
Company Marathon Oil Co.				Connection			
Pool Kutz Canyon				Formation Pictured Cliffs		Unit	
Completion Date		Total Depth 1757		Plug Back TD 1718		Elevation 5683	
Csg. Size 4 1/2"		Wt. 10.5		Set At 1757		Perforations: From 1650 To 1668	
Tbg. Size 2 3/8"		Wt. 4.7		Set At 1586		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual Gas				Packer Set At 1586		Farm or Lease Name Ohio 'C' Gov't	
Producing Thru Tbg.		Reservoir Temp. °F 114 @ 1580		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
H		G _g .650		% CO ₂		% N ₂	
				% H ₂ S		Prover X	
						Meter Run	
						Taps	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
SI	7 days						
1.	2 x 3/4						3 hrs
2.							
3.							
4.							
5.							
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.453		59	1.000	1.240	---	690
2.							
3.							
4.							
5.							
NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ X X X X X X X X Specific Gravity Flowing Fluid _____ X X X X X Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R		
1.							
2.							
3.							
4.							
5.							
P _c	230	P _c ²	52900				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0704$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0594$		
1		59	3481	49419			
2							
3							
4							
5							
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 731$							
Absolute Open Flow 731 Mcfd @ 15.025					Angle of Slope θ		Slope, n .85
Remarks:							
Approved By Commission:		Conducted By: J. Tefteller		Calculated By: Neil Tefteller		Checked By: M. E. O'Keefe	

MARATHON OIL CO.
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