

**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	
Company Mesa Petroleum Co.				Connection			
Pool Blanco				Formation Pictured Cliffs		Unit	
Completion Date 4-12-75		Total Depth 4890' KB		Plug Back TD 4833' KB		Elevation 5851' GL	
Farm or Lease Name State							
Liner 4-1/2" 10.5		4,052		Set At 2582		From 2360 To 2379	
Thg. Size 1-1/4"		Wt. 2.3		d 1.380		Set At 2392	
Perforations:		From To					
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Dual - Gas Well				Packer Set At 2506'		County San Juan	
Producing Thru 1-1/4" tbg		Reservoir Temp. °F 105 @ 2380		Mean Annual Temp. °F		Baro. Press. - P _a 12	
State New Mexico							
L 2392		H		0.65		% CO ₂	
						% N ₂	
						% H ₂ S	
						Prover	
						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.		Temp. °F
SI							932		933		S. I.
1.							166	28	573		1
2.	1.995" x 0.75"						152	30	540		2
3.							120	30	538		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 Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							
2	12.365		132	1.03	1.24	1.019	2124
3							
4							
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	0.197	490	1.307	0.963	Dry		0.65	X X X X X	670	375
2										
3										
4										
5										

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2		550	302,500	588,636
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.514$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.422$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3,020$

RELEASED
APR 21 1975
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Absolute Open Flow 3,020 Mcfd @ 15.025	Angle of Slope θ	Slope, n 0.85
Remarks:		
Approved By Commission:		
Conducted By: Jack Dunning	Calculated By: R. J. Flaker	Checked By:

