

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 12/16/75	
Company Mesa Petroleum Co.			Connection Southern Union Gathering			
Pool Blanco			Formation Pictured Cliffs		Unit	
Completion Date 12/7/75		Total Depth 5114'		Plug Back TD 5082'		
Elevation 5943' GL		Farm or Lease Name Primo				
10-3/4" 7"	Wt.	d	Set At 165' KB Perforations: 3016' KB From 2711' To 2723'		Well No. #1A	
10-1/2" 2-7/8" 2-1/16"	Wt.	d	Set At 165' KB Perforations: 3016' KB From 2711' To 2723'		Unit Sec. Twp. Rge. D 6 31N 10W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Triple				Packer Set At County San Juan		
Producing Thru Casing		Reservoir Temp. °F 101 @ 2717		Mean Annual Temp. °F Baro. Press. - P _a State New Mexico		
L 2717	H 2717	G _g .600	% CO ₂	% N ₂	% H ₂ S	
Prover 2		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	
1.	2 X 3/4			156.0		48			792		
2.									156		
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	9.942		169.0	1.0117	1.291	1.015	2227
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	25	508	1.44	.971	A.P.I. Gravity of Hydrocarbons <td>Deg.</td>	Deg.
2.					Specific Gravity Separator Gas <td>X X X X X X X X</td>	X X X X X X X X
3.					Specific Gravity Downhole Fluid <td>X X X X X</td>	X X X X X
4.					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5.					Critical Temperature <td>R</td>	R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.			29.5	618.5
2.				
3.				
4.				
5.				

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

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ 2317

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

Absolute Open Flow	2317		Mcf/d @ 15.025	Angle of Slope θ	Slope, n	.850
Remarks:						
Approved By Commission:		Conducted By:		Calculated By:		Checked By:
				J. W. Chisum		J. L. Farrell

XC: 5 State, 3 USGS, 2 SUG, Archer, D&M, M&M, Les Carnes, Div Mgr.