

**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 Chacra				Unit	
Completion Date 12/7/75		Total Depth 5114'		Plug Back TD 5082'		Elevation 5943' GL		Farm or Lease Name Primo	
10-3/4" Wt.		d		Set At 165' KB Perforations: 3016' KB From 3444' To 3739'		Well No. #1A			
7-1/2" Wt.		d		2801' - 4631' KB Perforations: Set At 4560' - 5109' KB From 3929' To 3990'		Unit D		Sec. Twp. Rge. 6 31N 10W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Triple						Packer Set At 2764'		County San Juan	
Producing Thru Tbg.		Reservoir Temp. °F 111 @ 3717		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L 3717		H 3717		G _a .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.	
SI										
1.	2 X 3/4			236.0		62	758			
2.							236			
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS						
NO.	Coefficient (24 Hour)	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.942	249.0	.9980	1.291	1.022	3259
2.						
3.						
4.						
5.						

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.37	522	1.46	.958	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w	R _w ²	P _c ² - R _w ²	(1) $\frac{P_c^2}{P_c^2 - R_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n =$
1			362.9	231.5		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 7264$

Absolute Open Flow <u>7264</u> Mcfd @ 15.025		Angle of Slope θ _____		Slope, n <u>.850</u>	
Remarks: _____					
Approved By Commission:		Conducted By:		Calculated By: J. W. Chisum	
				Checked By: J. L. Farrell	

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