NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 12/16/75		
Company: Mesa Petroleum Co.		Connection: Southern Union Gathering			
Pool: Blanco		Formation: Mesaverde		Unit	
Completion Date	Total Depth: 5114'		Plug Back TD: 5082'	Elevation: 5943' GL	Farm or Lease Name: Primo
Csg. Size: 10-3/4 / 7"	Wt.	d	Set At: 165' KB / 3016' KB	Perforations: From 4208' To 4456'	Well No.: #1A
Tbg. Size: 2-7/8" / 2-1/16"	Wt.	d	Set At: 4631' KB / 4560'-5109' KB / 4548'	Perforations: 4490' - 4551' KB From 4924' To 5020'	Unit: D; Sec.: 6; Twp.: 31N; Rge.: 10W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Triple			Packer Set At: 4050'		County: San Juan
Producing Thru: Tbg.	Reservoir Temp. °F: 120 @ 4614	Mean Annual Temp. °F	Baro. Press. – P_a		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
4614	4614	.600				2"		

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI					761				
1.	2 X 3/4	217		61	217				
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 Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.942		230	.9990	1.291	1.022	3014
2.							
3.							
4.							
5.							

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NO.	P_t	Temp. °R	T_r	Z
1.	.35	521	1.46	.958
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 774 P_c^2 599.1

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			375.4	223.7
2				
3				
4				
5				

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

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 6963

Absolute Open Flow 6963 Mcfd @ 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.