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: 7/26/78	
Company: Mesa Petroleum Co.			Connection: El Paso Natural Gas Company		
Pool: Blanco			Formation: Mesaverde		Unit
Completion Date: 7/18/78	Total Depth: 5794'		Plug Back TD: 5708'	Elevation: 6422' GR	Farm or Lease Name: Suter
Csg. Size: 4 1/2 / Wt. / d / Set At: 5791'			Perforations: From 4714' To 5694'		Well No.: #2A
Tbg. Size: 2 3/8 / Wt. / d / Set At: 5617'			Perforations: From To		Unit: O Sec.: 12, Twp.: 32N, Rge.: 11W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual			Packer Set At: 3300'		County: San Juan
Producing Thru: Tbg.	Reservoir Temp. °F: @		Mean Annual Temp. °F: 74 Degrees	Baro. Press. – P_a	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.650						

	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					74	736				
1.	2"	.75"	Pitot Tube			254		530		4 hrs.
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		Based on NMOCC Manual for Pitot Tube Testing Procedures					
2.							
3.				.9868	.9608	1.024	3193
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas .650 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

NO	P_c	P_c^2	P_w	P_w^2	$P_c^2 - P_w^2$
1					
2					
3					
4					
5					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.0082$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.6870$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5387$

AUG 21 1978
OIL CON. COM.
DIST. 3

Absolute Open Flow 5387 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Mesa Petroleum Co.	Bill Toller	C.R. Wagner (EPNG)