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: 7/3/78	
Company: Mesa Petroleum Co.		Connection: Southern Union			Unit
Pool: Blanco		Formation: Mesaverde			
Completion Date: 6/20/78	Total Depth: 5400'	Plug Back TD: 5343'	Elevation: 6051' GL	Farm or Lease Name: Decker Primo	
Csg. Size: 4 1/2" / Wt.: 10.5# / d: / Set At: 5397'		Perforations: From 4408' To 4791'		Well No.: 1A	
Tbg. Size: 2 3/8" / Wt.: / d: / Set At: 5209'		Perforations: From 5126' To 5328'		Unit: P / Sec.: 19 / Twp.: 32N / Rge.: 10W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: San Juan	
Producing Thru: Tbg.	Reservoir Temp. °F: @	Mean Annual Temp. °F: 84 degrees	Baro. Press. – P_a:	State: NM	

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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	2"		.75"	Pitot		84°	657		658		
1.							227		567		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				.9777	.9608	1.020	2832
3.							
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

P_c _____ P_c^2 _____

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

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.9495$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.8016$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 7934$

Absolute Open Flow 7934 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Mesa Petroleum Co.	D. Green	C.R. Wagner-EPNG

USGS (2), NMOCC (5), Dvr. Office, J. Archer, W.I.Owners, SUG, D&M, M&M, L.C., M.M