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			
Pool:		Formation: Mesaverde			Unit:
Completion Date: 7/18/78	Total Depth: 5693	Plug Back TD: 5630	Elevation: 6271 GR	Farm or Lease Name: Suter	
Csg. Size: 4 1/2 / Wt.: 10.5 / d: / Set At: 5692		Perforations: From 4586 To 5636		Well No.: 1A	
Tbg. Size: 2 3/8 / Wt.: 4.7 / d: / Set At: 5443		Perforations: From To		Unit: C / Sec.: 13 / Twp.: 32N / Rge.: 11W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual Gas		Packer Set At: 3133		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: .650	% CO_2:	% N_2:	% H_2S:
Prover:	Meter Run:	Taps:			

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						74°	932				
1.	2"		.75"	Pitot Tube			356		731		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	1.034	4461
4.							
5.							

NO.	P_t	Temp. °R	T_t	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 XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

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

P_c _____ P_c^2 _____

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.7500$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.1355$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 9526$

Absolute Open Flow 9526 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

U.S.G.S. (4) NMOCC (5), J. Archer, Dvr. Office, EPNG(2), Les Carnes, Mike Moore, D&M, M&I