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: 9-9-80	
Company: El Paso Natural Gas Company		Connection: El Paso Natural Gas Company		
Pool: Basin		Formation: Dakota		Unit
Completion Date: 9-2-80	Total Depth: 7011	Plug Back TD: 6996	Elevation: 6217 G.L.	Farm or Lease Name: Lackey B
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.000 / Set At: 7011		Perforations: From 6696 To 6894		Well No.: 14E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6869		Perforations: From To		Unit: C / Sec.: 30 / Twp.: 28 / Rge.: 9
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At		County: San Juan
Producing Thru	Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico

L	H	Gg	% 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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						1000		1320		7 Days
1.										
2.										
3.										
4.										
5.										

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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
1							
2.							
3.							
4.							
5.							

NO.	P_t	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 _____ 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	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) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ _____

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

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

Remarks: _____

Approved By Commission: _____ Conducted By: Tom McAndrews Calculated By: H. E. McAnally Witnessed By: _____