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: 2-10-86	
Company: El Paso Natural Gas Co.	Connection:			
Pool: Blanco	Formation: Mesa Verde			Unit:
Completion Date: 2-10-86	Total Depth: 5310	Plug Back TD: 5222	Elevation: 6029	Farm or Lease Name: Payne
Csg. Size: 7.000 / Wt.: 20 / d: 6.456 / Set At: 2747	Perforations: From 4200* To 5081			Well No.: #8
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 5068	Perforations: From To			Unit: C / Sec.: 25 / Twp.: 30 / Rge.: 11
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:	Baro. Press. – P_a: 12	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.700						

	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						974		1177		7 Days
1.		.750	328		64	328		963		3 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	12.365		340	9962	.9258	1.042	4040
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 XXXXXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

FEB 12 1986
OIL CON. DIV.
DIST. 3

P_c 1189 P_c^2 1413721

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		975	950625	463096
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1413721}{463096}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.3095$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 9330$

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

Remarks: "4½ Liner set @ 2605 - 5239.
Gas vented during test = 550 MCF.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Loren Fothergill	Scott H. Lindsay	kld