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: 2-13-86	
Company: El Paso Natural Gas Co.		Connection:		
Pool: Blanco		Formation: Mesa Verde		Unit:
Completion Date: 2-13-86	Total Depth: 7765	Plug Back TD: 7757	Elevation: 6503 GR	Farm or Lease Name: S.J. 29-7 Unit
Csg. Size: 9.625 / Wt.: 40.0 / d: 8.835 / Set At: 3593		Perforations: From 4873* To 5796		Well No.: #124M
Tbg. Size: 1.995 / Wt.: 2.75 / d: 1.610 / Set At: 5787		Perforations: From To		Unit: D / Sec.: 28 / Twp.: 29 / Rge.: 7
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. Dual		Packer Set At: 5860		County: Rio Arriba
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		.750	185		58	753		762		7 Days
1.						185		711		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		197	1.0019	.9258	1.023	2311
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 XXXXXXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

FEB 18 1986
OIL CON. DIV.
DIST. 3

P_c 762 P_c^2 580644

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		711	505521	75123
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{580644}{75123}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4.6356$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 7209$

Absolute Open Flow 10715 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: 7"Liner Set - 3455' - 6047'.
4½" Liner during test = 286 MCF.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Norman Waggoner	Scott H. Lindsay	kld