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: 10-27-81	
Company: El Paso Natural Gas Company	Connection: El Paso Natural Gas Company			
Pool: Basin	Formation: Dakota		Unit	
Completion Date: 10-20-81	Total Depth: 7843	Plug Back TD: 7835	Elevation: 6607 GR	Farm or Lease Name: San Juan 29-7 Unit
Csg. Size: 9.625 / Wt.: 40 / d: 8.835 / Set At: 3702	Perforations: From *7648 To 7823			Well No.: #30A
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 7797	Perforations: From To			Unit: O / Sec.: 35 / Twp.: 29 / Rge.: 7
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G. G. Dual		Packer Set At: 6035		County: Rio Arriba
Producing Thru: Tbg.	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: New Mexico
L	H	Gg: .660	% 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							1960				7 Days
1.			.750	65		60	65				3 Hours
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		78	1.000	.9535	1.009	928
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

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DIST. 3

P_c 1972 P_c^2 3888784

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		173	29929	3858855
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{3888784}{3858855}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0058$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 933$

Absolute Open Flow 933 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: * 7.000" Liner 3532' - 6175'
* 4.500" Liner 6068' - 7843'

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	John Easley	Ed Mabe	