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: 9-25-80	
Company: El Paso Natural Gas Company			Connection: El Paso Natural Gas Company		
Pool: Basin			Formation: Dakota		Unit
Completion Date: 9-18-80	Total Depth: 7596		Plug Back TD: 7589	Elevation: 6191 G.L.	Farm or Lease Name: Sheets
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.000 / Set At: 7596			Perforations: From 7372 To 7574		Well No.: #4
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 7554			Perforations: From To		Unit: O / Sec.: 28 / Twp.: 31 / Rge.: 9
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. Dual			Packer Set At		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
		0.600						

	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						1642				7 Days
1.	Choke	0.750	37		69					24 Hours
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 Q, Mcfd
1	12.365		49	0.9915	1.0000	1.003	603
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 1654 P_c^2 2735716

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	2401	107	11449	2724267
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0042$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0032$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 605$

Absolute Open Flow 605 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: Vented 122 MCF Gas During The Test.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Joe Golding	H.E. McAnally	