NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [X] Special				Test Date: 11-13-80	
Company: Amoco Production Company		Connection: El Paso Natural Gas Company			
Pool: Basin		Formation: Dakota			Unit
Completion Date: 10-14-80	Total Depth: 7090	Plug Back TD: 7010	Elevation: 5766	Farm or Lease Name: Elliott Gas Com "N"	
Csg. Size: 4.500 / Wt.: 10.5 / d: 4052 / Set At: 7090		Perforations: From 6812 To 6952		Well No.: 1E	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6970		Perforations: From open To ended		Unit: A / Sec.: 33 / Twp.: 30N / Rge.: 9W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: San Juan	
Producing Thru: Tubing	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					1620		1715		3 hrs.
1.	2.375 .750				16		116		
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		28	1.000	.9258	1.004	322
2.							
3.							
4.							
5.							

NO.	P_r	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 1727 P_c^2 2982529

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		127	16129	2966400
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0054$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0041$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 323$

Absolute Open Flow 323 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	J. J. Barnett	J. J. Barnett	W. L. Peterson