ENERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [X] Special			Test Date: 5-3-82
Company: Amoco Production Company	Connection: El Paso Natural Gas Company		
Pool: Basin	Formation: Dakota		Unit
Completion Date: 4-12-82	Total Depth: 6275	Plug Back TD: 6242	Elevation: 5491 GL
Farm or Lease Name: State Gas Com "BE"			
Csg. Size: 4.500 / Wt.: 11.60 / d: 4.000 / Set At: 6289	Perforations: From 6018 To 6156		Well No.: 1E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6162	Perforations: From open To ended		Unit: O / Sec.: 16 / Twp.: 30N / Rge.: 13W
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	12 Days					1412		1908		
1.	2.375	.750				244		660		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		256	1.000	.9258	1.033	3027
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 1920 P_c^2 3686400

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		672	451584	3234816
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1396$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1030$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3339$

Absolute Open Flow 3339 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	J. J. Barnett	J. J. Barnett	