STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 04 30 80
Company: Amoco Production Co.		Connection: El Paso Natural Gas Co.		
Pool: Basin		Formation: Dakota		Unit
Completion Date: 04 18 80	Total Depth: 6236	Plug Back TD: 6249	Elevation: 5655 GL	Farm or Lease Name: Gallegos Canyon Unit
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.000 / Set At: 6286		Perforations: From 5972 To 6109		Well No.: 208E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6150		Perforations: From open To ended		Unit: I / Sec.: 15 / Twp.: 28 / Rge.: 12
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE		Packer Set At		County: San Juan
Producing Thru: TUBING	Reservoir Temp. °F: 198	Mean Annual Temp. °F	Baro. Press. P_a: NONE	State: New Mexico
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	10 days						843		990		3 hrs
1.	2.375		.750				104		605		
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		116	1.000	.9251	1.012	1344
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

P_c 1002 P_c^2 1004004

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2		617	380689	623315
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6107$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4298$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1922$

Absolute Open Flow 1922 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Division	Conducted By	Calculated By	Checked By
	JJB	J J BARNETT	R F RACKLEY