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 [x] Special				Test Date: 11-19-82	
Company: Amoco Production Company		Connection: El Paso Natural Gas Company			Unit
Pool: Basin		Formation: Dakota			
Completion Date: 11-2-82	Total Depth: 5980	Plug Back TD: 5935	Elevation: 5997	Farm or Lease Name: Gallegos Canyon Unit "H"	
Csg. Size: 5.500 / Wt.: 15.5 / d: 4.976 / Set At: 5980		Perforations: From open To ended		Well No.: 180E	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 5919		Perforations: From 5782 To 5904		Unit: N / Sec.: 28 / Twp.: 29 / Rge.: 12	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual (GL)		Packer Set At: 5457		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

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI	7 Days						510		x		
1.	2.375		.750				58		x		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		70	1.000	.9258	1.008	807
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 662 P_c^2 438244

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		141	19881	418363
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0475$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0354$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 836$

Absolute Open Flow 836 Mcfd @ 15.025

Angle of Slope θ _____ Slope, n .75

Remarks: _____

RECEIVED
OIL CONSERVATION DIVISION

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