OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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 WELLS

RECEIVED
JAN 28 1985
OIL CON. DIV
DIST. 3

Type Test: [X] Initial [ ] Annual [X] Special				Test Date: 12-13-84	
Company: Amoco Production Co.		Connection: El Paso Natural Gas Co.			Unit
Pool: Basin		Formation: Dakota			
Completion Date: 11-16-84	Total Depth: 6160	Plug Back TD: 6126	Elevation: 5549 GR	Farm or Lease Name: Gallegos Canyon Unit	
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6160		Perforations: From 5932 To 6074		Well No.: 139E	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6090		Perforations: From open To ended		Unit: M / Sec.: 18 / Twp.: 28 / Rge.: 11	
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	22 Days					390		580		
1.	2.375	.750				60		240		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		72	1.000	.9258	1.008	831
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 592 P_c^2 350464

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		252	63504	286960
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2213$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1618$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 965$

Absolute Open Flow 965 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: flared med H_2O & Oil

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