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 5-1-85

Type Test: [X] Initial [ ] Annual [X] Special				Test Date: 5-8-85	FLAC
Company: Amoco Production Co.		Connection: El Paso Natural Gas Co			846402-01-4
Pool: Basin		Formation: Dakota			Unit
Completion Date: 4-30-85	Total Depth: 6201		Plug Back TD: 6155	Elevation: 5731 GR	Farm or Lease Name: Gallegos Canyon Un
Csg. Size: 7.000 / Wt.: 23 / d: 6.366 / Set At: 6201			Perforations: From 5920 To 6030		Well No.: 147E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6050			Perforations: From Open To Ended		Unit: K / Sec.: 4 / Twp.: 27 / Rge.: 12
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	7 days				1125		1780		
1.	2.375 .250				858		1125		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	1.3309		870	1.000	.9258	1.161	1245
2.							
3.							
4.							
5.							

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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 1792 P_c^2 3211264

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		1137	1292769	1918495
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6738$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4716$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1832$

Absolute Open Flow 1832 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: flared, lite condensate, lite H_2O
This well to be dualed later

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