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

G55
12-31-85

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

FEB 05 1986
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [X] Special			Test Date: 1-8-86	
Company: Amoco Production Co.		Connection: Amoco Gas Company		
Pool: Basin		Formation: Dakota		Unit
Completion Date: 12-31-85	Total Depth: 6174'	Plug Back TD: 6125'	Elevation: 5505' GL	Farm or Lease Name: Gallegos Canyon Unit
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.000 / Set At: 6174'		Perforations: From 5946' To 6065'		Well No.: 102 E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6063'		Perforations: From open To ended		Unit: A / Sec.: 13 / Twp.: 29 / Rge.: 13
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					884		918		
1.	2.375	.750				184		519		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		196	1.000	.9258	1.021	2291
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 930 P_c^2 864900

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		531	281961	582939
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4837$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3443$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3080$

Absolute Open Flow 380 3080 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: flared, medium oil, lite H_2O

Approved By Division	Conducted By:	Calculated By:	Checked By: