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 WELL 4-18-86

Type Test: [X] Initial [ ] Annual [X] Special				Test Date: 4-30-86	
Company: Amoco Production Co.			Connection: El Paso		
Pool: Basin			Formation: Dakota		Unit:
Completion Date: 4-17-86	Total Depth: 6470		Plug Back TD: 6420	Elevation:	Farm or Lease Name: Gallegos Canyon Unit
Csg. Size: 7.000 / Wt.: 23 / d: 6.366 / Set At: 6470			Perforations: From 6256 To 6398		Well No.: 400E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6384			Perforations: From open To ended		Unit: J / Sec.: 25 / Twp.: 28 / 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	8 days					1050		1510		
1.	2.375	. .500				290		670		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	5.4315		302	1.000	.9258	1.076	1573
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 1522 P_c^2 2316484

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		682	465124	1851360
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2512$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1831$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1861$

Absolute Open Flow 1861 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: flared x heavy oil, light H_2O

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