NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
JUN 2 1983
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [X] Special				Test Date: 5-18-83	
Company: Amoco Production Company			Connection: El Paso Natural Gas Company		Unit
Pool: Basin			Formation: Dakota		
Completion Date: 5-1-83	Total Depth: 6330		Plug Back TD: 6310	Elevation: 5865 GL	Farm or Lease Name: Gallegos Canyon Unit
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6329			Perforations: From 6183 To 6265		Well No.: 176E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6228			Perforations: From open To ended		Unit: B / Sec.: 25 / Twp.: 28 / 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	10 Days					887		887		
1.	2.375	.750				72		474		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		84	1.000	.9258	1.008	969
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 899 P_c^2 808201

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		486	236196	572005
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4129$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2960$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1256$

Absolute Open Flow 1256 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved by Commission:	Conducted By:	Calculated By:	Checked By: