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

RECEIVED
MAR 27 1984
OIL CON. DIV.
DIST. 3

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Type Test: [X] Initial [ ] Annual [X] Special				Test Date: 3-19-84	
Company: Amoco Production Co.			Connection: El Paso Natural Gas Co.		Unit
Pool: Basin			Formation: Dakota		
Completion Date: 2-29-84	Total Depth: 7240		Plug Back TD: 6970	Elevation: 5816	Farm or Lease Name: A. L. Elliott "B"
Csg. Size: 7.000 / Wt.: 23 / d: 6.336 / Set At: 2600 *			Perforations: From 6794 To 6912		Well No.: 6E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6920			Perforations: From Open To Ended		Unit: D / Sec.: 10 / Twp.: 29 / Rge.: 9
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	11 Days					1460		1470		
1.	2.375	.750				85		530		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		97	1.000	.9258	1.011	1123
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 1482 P_c^2 2196324

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		542	293764	1902560
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1544$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1137$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1251$

Absolute Open Flow 1251 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: * 4.500" set @ 2450' to ~~7240'~~ 7040'

Approved By Division	Conducted By:	Calculated By:	Checked By:
			R. L. Rickford