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

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 3-18-81	
Company: El Paso Natural Gas Company		Connection: El Paso Natural Gas Company		
Pool: Blanco		Formation: Mesa Verde		Unit
Completion Date: 3-11-81	Total Depth: 5645	Plug Back TD: 5627	Elevation: 6343 GL	Farm or Lease Name: Sunray D
Csg. Size: 7.000 / Wt.: 20 / d: 6.456 / Set At: 3291		Perforations: From *5142 To 5553		Well No.: #2R (MV)
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 5526		Perforations: From To		Unit: A / Sec.: 21 / Twp.: 30 / Rge.: 10
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G. G. Dual		Packer Set At: 3157		County: San Juan
Producing Thru: Tbg.	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 12	State: New Mexico
L	H	Gg: 0.650	% 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						519				7 Days
1.	Choke	0.750	146		59					3 Hours
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		158	1.0010	0.9608	1.014	1905
2.							
3.							
4.							
5.							

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

MAR 20 1981
OIL CON. COM.
DIST. 3

P_c 531 P_c^2 281961

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	24964	314	98596	183365
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5377$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3809$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2631$

Absolute Open Flow 2631 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: * 4.500" Liner from 3145 to 5645
Vented 261 MCF Gas During The Test.

Approved by Division	Conducted By:	Calculated By:	Checked By:
	Bobby Easterling	H. E. McAnally	