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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special					Test Date: 3-31-81			
Company: El Paso Natural Gas Company				Connection: El Paso Natural Gas Company				
Pool: Blanco				Formation: Mesa Verde				Unit
Completion Date: 3-24-81		Total Depth: 5705		Plug Back TD: 5687		Elevation: 6426 GR		Farm or Lease Name: Sunray D
Csg. Size: 7.000	Wt.: 20	d: 6.456	Set At: 3331	Perforations: From *5014	To: 5624			Well No.: #1A (MV)
Tbg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 5608	Perforations: From	To			Unit: F Sec.: 21 Twp.: 30 Rge.: 10
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G. G. Dual				Packer Set At: 3140				County: San Juan
Producing Thru: Tbg.	Reservoir Temp. °F: a		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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI							976				7 Days
1.	Choke		0.750	222		64					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		234	0.9962	0.9608	1.023	2833
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 988 P_c^2 976144

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1	54756	461	212521	763623
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2783$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2022$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3406$

Absolute Open Flow 3406 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: *4.500" Liner from 3129 to 5705
Vented 400 MCF Gas During The Test. The Well Unloaded After 3.5 Minutes.

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

RECEIVED
APR 1 1981
OIL CON. COM.
DIST. 3