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: XX Initial ☐ Annual ☐ Special				Test Date: 4-8-81	
Company: EL PASO NATURAL GAS COMPANY			Connection: EL PASO NATURAL GAS COMPANY		
Pool: AZTEC EXT			Formation: PICTURED CLIFFS		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 3014 To 3110		Well No.: #1A (PC)
Tbg. Size: 1.660 / Wt.: 2.4 / d: 1.380 / Set At: 3097			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: Csg.	Reservoir Temp. °F:		Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: NEW MEXICO
L	H	Gg: 0.625	% 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						715		717		15 Days
1.	Choke	0.750	52		58	60				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		64	1.0019	0.9798	1.003	779
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

APR 15 1981
OIL CON. COM.
DIST. 3

P_c 729 P_c^2 531441

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		72	5184	526257
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0099$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0084$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 786$

Absolute Open Flow 786 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.85

Remarks: Vented 128 MCF Gas During The Test

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Bob Eastman		