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: 1-28-81			
Company: El Paso Natural Gas Company				Connection: Northwest Pipeline				
Pool: Blanco				Formation: Pictured Cliff			Unit: San Juan 27-5	
Completion Date: 1-14-81	Total Depth: 5804		Plug Back TD: 5785		Elevation: 6524 GR		Farm or Lease Name: San Juan 27-5 Unit	
Csg. Size: 70#	Wt.: 20.0	d: 6.456	Set At: 3522	Perforations: From 3218	To 3264		Well No.: #68A (PC)	
Tbg. Size: 1.660	Wt.: 2.33	d: 1.380	Set At: 3232	Perforations: From	To		Unit: I Sec.: 33 Twp.: 27 Rge.: 5	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G. G. Dual				Packer Set At: 3382'			County: Rio Arriba	
Producing Thru: Csg.	Reservoir Temp. °F:		Mean Annual Temp. °F:		Baro. Press. – P_a: 12		State: New Mexico	
L	H	Gg: 0.67	% 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						835		835		14 Days
1.	Choke	0.750	78		52	98				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		90	1.008	.9463	1.000	1062
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

JAN 30 1981
OIL CON. DIV.
DIST. 3

P_c 847 P_c^2 717409

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		110	12,100	705,309
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0172$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0146$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1077$

Absolute Open Flow 1077 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.85

Remarks: No Liquids Produced, Gas Vented - 197 MCF

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Knox Hedgecoke	Bill Clark	