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: 11-5-80	
Company: El Paso Natural Gas Company			Connection: Northwest Pipeline		
Pool: S. Blanco			Formation: Pictured Cliff		Unit: San Juan 27-5 Unit
Completion Date: 10-21-80	Total Depth: 5905		Plug Back TD: 5888	Elevation: 6564	Farm or Lease Name: San Juan 27-5 Unit
Csg. Size: 7.0 / Wt.: 20.0 / d: 6.456	Set At: 3615		Perforations: From 3240 To 3311		Well No.: #24A
Tbg. Size: 1.660 / Wt.: 2.90 / d: 1.380	Set At: 3287		Perforations: From To		Unit: I / Sec.: 32 / Twp.: 27 / Rge.: 5
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. Dual			Packer Set At: 3460		County: Rio Arriba
Producing Thru: Csg.	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		0.670						

	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					1032		1032		15 Days
1.	3/4" Choke .	71		59	74				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		83	1.001	0.9463		972
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	Z
1.	0.12	519	1.36	1.000
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

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OIL CON. COM.
DIST. 3

P_c 1044 P_c^2 1,089,936

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		86	7396	1,082,540
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0068$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0058$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 978$

Absolute Open Flow 978 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.85

Remarks: No Liquids Producted, Gas Vented - 189 MCF

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