NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 9-25-80	
Company: El Paso Natural Gas Company			Connection:		
Pool: Blanco			Formation: Mesa Verde		Unit:
Completion Date: 8-19-80	Total Depth: 7956		Plug Back TD: 7948	Elevation: 6668 Gr.	Farm or Lease Name: San Juan 29-7 Unit
Csg. Size: 9.625 / Wt.: 40 / d: 8.835 / Set At: 3888			Perforations: From 5098* To 6074		Well No.: #44A
Tbg. Size: 1.900 / Wt.: 2.9 / d: 1.610 / Set At: 6056			Perforations: From To		Unit: I / Sec.: 17 / Twp.: 29 / Rge.: 7
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. Dual			Packer Set At: 6080		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
		.625						

	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							658		37 Days
1.	Choke .750	370		60			370		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		382	1.000	.9798	1.035	4790
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_f	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 XXXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 670 P_c^2 448900

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	145924	384	147600	301300
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{448900}{301300}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3485$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6459$

Absolute Open Flow 6459 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: * 7.00" Liner 3746' - 6241'
* 4.50" Liner 6093' - 7956'

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	John Easley	Ed Mabe	

RECEIVED
SEP 2 [illegible]
OIL CON. COM.
DIST.