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: 9-15-81	
Company: El Paso Natural Gas Company			Connection: El Paso Natural Gas Company		
Pool: Basin			Formation: Dakota		Unit
Completion Date: 9-8-81	Total Depth: 7880		Plug Back TD: 7873	Elevation: 6672 GR	Farm or Lease Name: San Juan 29-7 Unit
Csg. Size: 9.625 / Wt.: 40 / d: / Set At: 3742			Perforations: From *7709 To 7866		Well No.: #60A
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 7819			Perforations: From To		Unit: J / Sec.: 34 / Twp.: 29 / Rge.: 7
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G. G. Dual			Packer Set At: 6060		County: Rio Arriba
Producing Thru: Tbg.	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12		State: New Mexico
L:	H:	Gg: .660	% 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						735				7 Days
1.		.750	22		61	22				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		34	.9990	9535	1.004	402
2.							
3.							
4.							
5.							

NO.	P_r	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.
Critical Temperature _____ R

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DIST. 3

P_c 747 P_c^2 558009

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		75	5625	552384
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{558009}{552384}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right] = 1.008$

$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 405$

Absolute Open Flow 405 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: *7.000" - Liner 3627' - 6623'
*4.500" - Liner 6092'- 7881'

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