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: 10-11-85	
Company: El Paso Natural Gas			Connection:		
Pool: So. Blanco			Formation: Pictured Cliffs		Unit:
Completion Date: 10-11-85	Total Depth: 5890		Plug Back TD: 5878	Elevation: 6506 GR	Farm or Lease Name: S.J. 27-5 Unit
Csg. Size: 7.000 / Wt.: 20 / d: 6.456 / Set At: 3623			Perforations: From *3279 To 3367		Well No.: #49A
Tbg. Size: 1.660 / Wt.: 2.3 / d: 1.380 / Set At: 3337			Perforations: From To		Unit: O / Sec.: 18 / Twp.: 27 / Rge.: 05
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. Dual			Packer Set At: 3430		County: Rio Arriba
Producing Thru: Tbg.	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12		State: New Mexico
L:	H:	Gg: .670	% 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							593		593		7 Days
1.			.750	50			50		215		3 Hrs.
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		62	1.0039	.9463	1.009	735
2							
3							
4							
5							

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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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXXXXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 605 P_c^2 366025

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		227	51529	314496
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{366025}{314496}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1377$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 836

Absolute Open Flow 836 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: *4.500" Liner 3464' - 5890'.
Gas vented during test = 117 MCF./D

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