

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1-16-86	
Company El Paso Natural Gas Co.				Connection		
Pool Blanco			Formation Mesa Verde		Unit	
Completion Date 11-16-86		Total Depth 8065		Plug Back TD 8051		Elevation 6666 GR
Farm or Lease Name S.J. 28-5 Unit						
Csg. Size 9.625	Wt. 40	d 8.835	Set At 3968	Perforations: From 7860* To 8051		Well No. #88M
Tbg. Size 1.900	Wt. 2.9	d 1.610	Set At 5151	Perforations: From To		Unit Sec. Twp. Rge. E 15 28 05
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G Dual				Packer Set At 6215		County Rio Arriba
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g 12
State New Mexico						
L	H	G _g .690	% CO ₂	% N ₂	% H ₂ S	Prover
Meter Run		Taps				

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
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	
SI							788		942		14 Days
1.			.750	160		62	160		840		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		172	.9981	.9325	1.020	2019
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2										
3										
4										
5										

P _c 955	P _c ² 912025	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{912025}{186121}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.2935$
NO	P _t ²	P _w	P _w ²
1		852	725904
2			
3			
4			
5			

Absolute Open Flow		6650	Mcfd @ 15.025	Angle of Slope θ	Slope, n	.75
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Remarks:		*7" Liner set 3813- 6368.
		4½" Liner set 6260 - 8059
		Gas vented during test = 249 MCF.

Approved By Commission:	Conducted By: Norman Waggoner	Calculated By: Scott H. Lindsay	Checked By: kld
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