

**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 1-2-86	
Company El Paso Natural Gas Co.		Connection	
Pool Blanco		Formation Mesa Verde	
Completion Date 1-2-86		Total Depth 8044	Plug Back TD 8036
		Elevation 6608	Farm or Lease Name S.J. 28-5 Unit
Csg. Size 9 5/8	Wt. 40	d 8.835	Set At 3931
Perforations: From 5294* To 6057		Well No. #76M	
Tbg. Size 1.900	Wt. 2.9	d 1.610	Set At 6052
Perforations: From To		Unit Sec. Twp. Rge. C 21 28 05	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G Dual			Packer Set At 7470'
Producing Thru Tbt.			State New Mexico
Reservoir Temp. °F @		Mean Annual Temp. °F	
Baro. Press. - P _a 12			
L	H	Gg .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
1.			.750	163		60	895		929		7 Days
2.							163		850		3 Hrs.
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	12.365		175	1.000	.9325	1.020	2058
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbon _____ Deg.
2.					Specific Gravity Separator Gas _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 941	P _c ² 885481	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{885481}{142437}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.9370$
NO.	P _t ²	P _w	P _w ²
1.		862	743044
2.			
3.			
4.			
5.			

Absolute Open Flow 8102 Mcfd @ 15.025		Angle of Slope @ _____	Slope, n .75
Remarks: *7.000 Liner - 3766' - 6332'. 4.500 Liner - 6708' - 8044'. Gas Vented during test = 256 MCF.			
Approved By Commission:	Conducted By: Norman Waggoner	Calculated By: Scott H. Lindsay	Checked By: kld