

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 7-10-80			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Co.					
Pool Blanco				Formation Mesa Verde				Unit San Juan 28-7	
Completion Date 6-23-80		Total Depth 5937		Plug Back TD 5919		Elevation 6627' G1		Farm or Lease Name San Juan 28-7 Unit	
Gas. Size 7.000	Wt. 20.0	d 6.456	Set At 3621	Perforations: From 4918 To 5879		Well No. 12A (MV)			
Trg. Size 2.375	Wt. 4.7	d 1.995	Set At 5850	Perforations: From To		Unit Sec. Twp. Rge. C 17 28 7			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 3470		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 0.665	% 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							955				17 Days
1.	22"		0.750	288		69					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		300	0.9915	0.9498	1.029	3595
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 Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXX XXXXX
3.					Specific Gravity Flowing Fluid	XXXXX OIL CON. COM.
4.					Critical Pressure	PSIA. 3
5.					Critical Temperature	R R

P _c 967	P _c ² 935089	(1) $\frac{P_c^2}{P_e^2 - P_w^2} = 1.6573$	(2) $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 1.4607$
NO.	P _e ²	P _w	P _e ² - P _w ²
1	90000	609	370881
2			
3			
4			
5			

Absolute Open Flow 5251 Mcfd @ 15.025		Angle of Slope θ	Slope, n .75
Remarks: 4.5" Liner From 3459 to 5937			
Approved By Commission:	Conducted By: John Easley	Calculated By: H. E. McAnally	Checked By: