

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

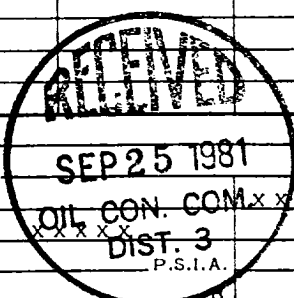
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 9-22-81			
Company El Paso Natural Gas Company						Connection			
Pool Blanco						Formation Mesa Verde		Unit	
Completion Date 9-8-81		Total Depth 7880		Plug Back TD 7875		Elevation 6672 GR		Farm or Lease Name San Juan 29-7 Unit	
Seq. Size 9.625	Wt. 40	d 8.835	Set At 3742	Perforations: From *5065 To 6021		Well No. #60A			
Tng. Size 1.900	Wt. 2.9	d 1.610	Set At 6006	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 Csg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg .660	% 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							696		806		14 Days
1.			.750	370		69	430		370		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		382	.9915	.9535	1.040	4644
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	Deq.
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R



P _c 818	P _c ² 669124	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{669124}{473760}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2956$
NO	P _w	P _w ²	P _c ² - P _w ²
1	442	195364	473760
2			
3			
4			
5			

$ADP = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6017$

Absolute Open Flow	6017	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
--------------------	------	----------------	------------------	--------------

Remarks:	* 7.000" Liner 3627' - 6223'
	* 4.500" Liner 6092' - 7881'

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