

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 8-18-80			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesa Verde				Unit San Juan 29-7	
Completion Date 7-25-80		Total Depth 7926		Plug Back TD 7920		Elevation 6723 G.L.		Farm or Lease Name San Juan 29-7 Unit	
Csg. Size 7.000	Wt. 20.0	d 6.456	Set At 6216	Perforations: From 5062 To 5990		Well No. #31A (MV)			
Tbg. Size 1.900	Wt. 2.9	d 1.610	Set At 5984	Perforations: From To		Unit Sec. Twp. Rge. J 32 29 7			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 6066		County Rio Arriba			
Producing Thru Csg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g 0.680	% 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							905		945		24 Days
1.	Choke		0.750	623		70	723				3 Hr.
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		635	0.9905	0.9393	1.072	7831
2.							
3.							
4.							
5							

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

P _c 957	P _c ² 915849	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.4382$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.9512$
NO	P _t ²	P _w	P _w ²
1		735	540225
2			
3			
4			
5			

Absolute Open Flow <u>15280</u> Mcfd @ 15.025		Angle of Slope θ _____	Slope, n <u>0.75</u>
Remarks: <u>The Well Produced 1055 MCF Gas During The Test.</u>			

Approved By Commission:	Conducted By: John Easley	Calculated By: H.E. McAnally	Checked By:
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