

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

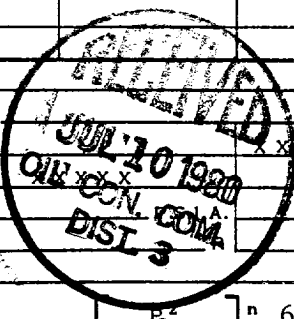
Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-9-80			
Company El Paso Natural Gas Co.				Connection					
Pool Basin				Formation Dakota				Unit	
Completion Date		Total Depth 7835		Plug Back TD 7827		Elevation 6625 Gr.		Farm or Lease Name San Juan 29-7 Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7835	Perforations: From 7575 To 7780		Well No. #32A (DK)			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7746	Perforations: From To		Unit Sec. Twp. Rge. F 32 29 7			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual						Packer Set At 5968		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L 7746	H	G _g .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							1006				15 Days
1.	Choke		.750			68	927				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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		107	.9924	1.213	1.000	1593
2.							
3.							
4.							
5.							

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



P _c 1018	P _c ² 1036324	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 12.733$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6.7405$
NO. 1	P _t ² 977	P _w ² 954934	P _c ² - P _w ² 81390
2.			
3.			
4.			
5.			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 10,738$

Absolute Open Flow	10,738	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Gas Vented During Test = 275 MCF

Approved By Commission:	Conducted By: Norman Waggoner	Calculated By: L. E. Mabe, Jr.	Checked By:
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