

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

Form C-122
Revised 9-1-65

RECEIVED
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Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-3-85		SEP 05 1985	
Company El Paso Natural Gas				Connection			
Pool Basin				Formation Dakota			
Completion Date 9-3-85		Total Depth 7912		Plug Back TD 7893		Elevation 6631 GR	
Farm or Lease Name S.J. 27-5 U.				Well No. #84E			
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 7911	Perforations: From 7668 To 7870		Unit Sec. Twp. Rge. E 3 27 5	
Tub. Size 1.900	Wt. 2.9	d 1.610	Set At 7851	Perforations: From To			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12	
State New Mexico							
L	H	G _g .700	% 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	183		65	2314		2343		7 Days
2.							183		1192		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, Mcd
1.	12.365		195	.9952	.9258	1.022	2270
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 _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _r 2355	P _w 5546025	
NO. 1	P _r 1204	P _w 1449616
2		
3		
4		
5		

(1) $\frac{P_r^2}{P_c^2 - P_w^2} = \frac{5546025}{4096409}$		(2) $\left[\frac{P_r^2}{P_c^2 - P_w^2} \right]^n = 1.2551$	
ACF = Q $\left[\frac{P_r^2}{P_c^2 - P_w^2} \right]^n = 2849$			

Absolute Open Flow	2849	Mcd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Blew water mist during test.
Gas vented during test 356 MCF.

Approved By Commission:	Conducted By: Gary Osborne	Calculated By: Cliff Brock	Checked By: kld
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