

**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 7-24-85			
Company El Paso Natural Gas				Connection				
Pool Blanco				Formation Mesa Verde				Unit
Completion Date 7-24-85		Total Depth 6675		Plug Back TD 6660		Elevation 7192 GR		Farm or Lease Name S.J. 27-4 Unit
Csg. Size 7.000	Wt. 20	d 6.456	Set At 4440	Perforations: From *5740 To 6632			Well No. #133A	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6622	Perforations: From To			Unit Sec. Twp. Rye. E 27 27 04	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico
L	H	Gg .690	% 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							1051		1109		7 Days
1.		.750		358		64	358		916		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 Ft.	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		370	.9962	.9325	1.041	4424
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 Hydrocarbon	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 1121	P _w ² 1256641			
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²
1		928	861184	395457
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1256641}{395457}$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 10529$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.3800$

Absolute Open Flow 10,529 Mcfd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: *4,500" Liner 4290'-6657'
Made heavy slug of oil at start of test - then mist. Gas vented during test = 570 MCF/D.

Approved by Commission:	Conducted By: Gary Osborne	Calculated By: Ed Mabe	Checked By: Kld
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