

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 1-10-85		JAN 15 1985 OIL CON. DIV.		
Company El Paso Natural Gas Co.			Connection						
Pool South Blanco			Formation Pictured Cliffs			Unit			
Completion Date 1-10-85		Total Depth 3350		Plug Back TD 3329		Elevation 7164 GR		Farm or Lease Name Lindrith Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 3345	Perforations: From 3197 To 3253			Well No. 12		
Thg. Size 1.660	Wt. 2.4	d 1.380	Set At 3226	Perforations: From To			Unit Sec. Twp. Rge. J 22 24 03		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single					Packer Set At None		County Rio Arriba		
Producing Thru CSG		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg .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							922		922		8 days
1.			.750			54	57		54		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, Fpv	Rate of Flow Q, Mcfd
1	12.365		66	1.0058	.9393	1.009	778
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	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_c 934 P_c² 872356

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		69	4761	867595
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{872356}{867595}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0047$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 782$

Absolute Open Flow <u>782</u> Mcfd @ 15.025		Angle of Slope θ _____		Slope, n <u>.85</u>	
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Remarks: Gas vented during test 100 MCF

Approved By Commission:	Conducted By: Jim Boone	Calculated By: Ed Mabe	Checked By: KLD 1/14/85
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