

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 1-6-85	
Company El Paso Natural Gas				Connection	
Pool Blanco				Formation Pictured Cliffs	
Completion Date 1-6-85		Total Depth 5072		Plug Back TD 5057	
		Elevation 5756 GR		Farm or Lease Name Wilmuth	
Csg. Size 7.000	Wt. 20	d 6.456	Set At 2734	Perforations: From 4630* To 4974	
Tbg. Size 1.660	Wt. 2.3	d 1.380	Set At 2443	Perforations: From To	
Type Well - Single - Broadhead - G.G. or G.O. Multiple G.G Dual				Packer Set At 4818	
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F	
				Baro. Press. - P _a 12	
L		H	G _g	% 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							670		673		7 Days
1.			.750	104		50	104		411		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		116	1.0098	.9463	1.015	1391
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	FEB 12 1985	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons		Deg.
2.					Specific Gravity Separator Gas	OIL COM	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 685 P _c ² 469225				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{469225}{290296}$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5040$	
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²			
1		423	178929	290296			
2							
3							
4							
5							

Absolute Open Flow 2092 Mcfd @ 15.025				Angle of Slope @		Slope, n .85	
Remarks: *4 1/2 Liner - 2606 - 5072							
Gas Vented during test - 184 MCF							

Approved By Commission:	Conducted By: Scott Lindsay	Calculated By: Scott Lindsay	Checked By: kld
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