

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 6-27-85	
Company El Paso Natural Gas			Connection		
Pool Blanco			Formation MV New Mexico		Unit
Completion Date 6-27-85		Total Depth 5970		Plug Back TD 5952	
Elevation 6706 Gr		Farm or Lease Name Hardie A			
Csq. Size 7.000	Wt. 20	d 6.456	Set At 3704	Perforations: From *5030 To 5937	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5920	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G Dual				Packer Set At 3546	
Producing Thru Tbg.		Reservoir Temp. °F #		Mean Annual Temp. °F	
Baro. Press. - P _g 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							453				7 Days
1.			.750	155		64	155				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		167	.9962	.9325	1.019	1955
2.							
3.							
4.							
5.							

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

P _c 465	P _c ² 216225	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = \frac{216225}{101304}$ (2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = .7659$ AOF = Q $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 3452$
NO.	P _r ²	
1	339	
2.		
3.		
4.		

P _w	P _w ²	P _c ² - P _w ²
1	114921	101304
2.		
3.		
4.		
5.		

Absolute Open Flow	3452	Mcf @ 15.025	Angle of Slope °	Slope, n .75
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Remarks: * 4.500 liner 3585' - 5969'
 Gas vented during test = 240 MCF.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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