

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

Form C-122
Revised 9-1-65

RECEIVED
FEB 04 1986
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1-30-86	
Company El Paso Natural Gas				Connection	
Pool Blanco				Formation Mesa Verde	
Completion Date 1-30-86		Total Depth 7689		Plug Back TD 7681	
Elevation 6570 GR		Farm or Lease Name S.J. 27-5 Unit			
Csg. Size 9.625	Wt. 40.0	d 8.835	Set At 3550	Perforations: From 4895* To 5835	
Well No. #97M					
Tbg. Size 1.900	Wt. 2.9	d 1.610	Set At 5821	Perforations: From To	
Unit D		Sec. 31	Twp. 27	Rge. 05	
Type Well - Single - Fractured - G.G. or G.O. Multiple G.G. Dual				Packer Set At 5874	
Producing Thru Tbg.		Reservoir Temp. °F @		Baro. Press. - P _a 12	
Mean Annual Temp. °F		County Rio Arriba			
State New Mexico					
L	H	Gg .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
SI							122		641		7 Days
1.		.750		0	58		0		641		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		0				0
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °F	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

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____
1					
2					
3					
4					

Absolute Open Flow _____ 0 _____ Mcfd @ 15.025		Angle of Slope @ _____	Slope, n _____
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Remarks: *4 1/2" Liner set 5920' 7689	
*7" Liner set 3395' - 6066'.	
Well would not unload.	

Approved By Commission:	Conducted By: E Minert	Calculated By: Scott H. Lindsay	Checked By: kld
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