

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 4-28-80	
Company El Paso Natural Gas Co		Connection	
Pool Blanco		Formation Meas Verde	
Completion Date 4-5-80		Total Depth 6111	Plug Back TD 6094
Elevation		Farm or Lease Name San Juan 27- 5 U.	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6111
Perforations: From 5182 To 6050		Well No. 61A (PM)	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6005
Perforations: From To		Unit Sec. Twp. Rge. I 5 27 5	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple GG		Packer Set At 3705	County Rio Arriba
Producing Thru Tubing	Reservoir Temp. °F a	Mean Annual Temp. °F	Baro. Press. - P _a State New Mexico
L 3903	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			.750	208		63	739				23 Days
1.											
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1	12.365		220	.9971	.9608	1.021	2661
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 Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas .650 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 _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5641$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3986$
1	751	451	203401	360600		
2						
3						
4						
5						

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3722$	
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Absolute Open Flow 3722 Mcfd @ 15.025	Angle of Slope ϕ _____	Slope, n .75
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Remarks: Well Made a very light fog of water throughout test and vented 256 MCF/D			
Approved By Commission:	Conducted By M. Wileman	Calculated By: C.R. Wagner	Checked By: