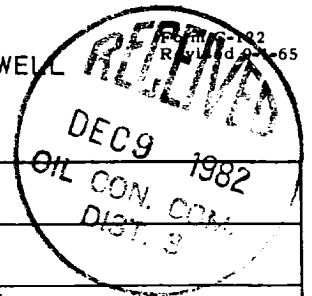


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12-07-82	
Company El Paso Natural Gas Company			Connection Northwest Pipeline Company		
Pool Blanco			Formation Mesa Verde		Unit
Completion Date 11-23-82		Total Depth 7920	Plug Back TD 7911	Elevation 6630 GR	Farm or Lease Name San Juan 27-5 Unit
Csg. Size 9.625	Wt. 40	d 8.835	Set At 3747	Perforations: From *4426 To 6073	Well No. #113E
Tbg. Size 1.900	Wt. 2.9	d 1.610	Set At 6061	Perforations: From To	Unit Sec. Twp. Rge. C 10 27 5
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 6109	County Rio Arriba
Producing Thru Csg.		Reservoir Temp. *F a	Mean Annual Temp. *F	Baro. Press. - P _a 12	State New Mexico
L	H	Gg .670	% 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							960		1050		14 Days
1.			.750	499		61	620		499		3 Hours
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		511	.9990	.9463	1.055	6302
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 1062	P _c ² 1127844	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1127844}{728420}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3880$
NO.	P _f ²	P _w	P _w ²
1	632	399424	728420
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8747$

Absolute Open Flow 8,747 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
Remarks: * 7.000" Liner 3582' - 6240'			
* 4.500" Liner 6146' - 7919'			
Gas Vented During Test = 935 MCF			
Approved By Commission:	Conducted By: Mel Wileman	Calculated By: Ed Mabe	Checked By: