

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

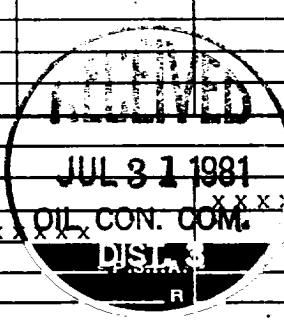
Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-29-81			
Company El Paso Natural Gas Company				Connection Northwest Pipeline					
Pool Blanco				Formation Mesa Verde				Unit San Juan 27-5	
Completion Date 7-15-81		Total Depth 8604		Plug Back TD 8594		Elevation 7334 GR		Farm or Lease Name San Juan 27-5	
Csg. Size 9.625*	Wt. 40.0	d 8.835	Set At 4543	Perforations: From 5821 To 6696		Well No. #86M (MV)			
Tbg. Size 1.900	Wt. 2.90	d 1.610	Set At 6658	Perforations: From To		Unit J	Sec. 9	Twp. 27	Rge. 5
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 6772		County Rio Arriba			
Producing Thru Csg.		Reservoir Temp. °F @		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 4"	Taps Flg	

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							1031		1017		14 Days
1.	4" X 2.50"			135	8.35	53	550		392		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	103.21	32,014	147	1.007	1.222	1.015	4127
2.							
3.							
4.							
5.							

NO.	P _t	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
3.					Specific Gravity Flowing Fluid	_____ X X X X
4.					Critical Pressure	_____ P.S.I.A.
5.					Critical Temperature	_____ R



P _c 1043	P _c ² 1,087,849	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.4091$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.2933$
NO. 1	P _w 562	R _w ² 315,844	P _c ² - R _w ² 772,005
2.			
3.			
4.			
5.			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 5338$

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope @ _____	Slope, n .75
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Remarks: * 7" Liner - 4440 to 6955 4 1/2" Liner - 6842 - 8604
 No Liquids Produced Gas Vented 527 MCF

Approved By Commission:	Conducted By: Sonny Paul	Calculated By: Bill Clark	Checked By:
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