

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

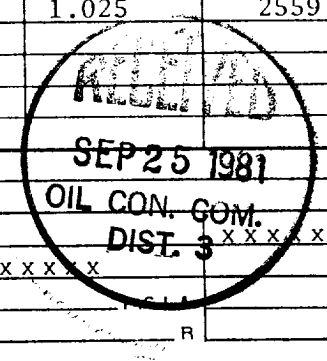
Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 9-23-81	
Company El Paso Natural Gas Company				Connection			
Pool Basin				Formation Dakota		Unit	
Completion Date 9-11-81		Total Depth 8092		Plug Back TD 8084		Elevation 6841	
Csa. Size 9.625		Wt. 40		d 8.835		Set At 3975	
Tbg. Size 2.375		Wt. 4.7		d 1.995		Set At 8002	
Perforations: From *7866 To 8057						Well No. #114M	
Perforations: From To						Unit Sec. Twp. Rge. D 33 29 7	
Type Well - Single - Braddenhead - G.G. or G.O. Multiple G. G. Dual						Packer Set At 6225	
Producing Thru Tbg.		Reservoir Temp. *F @		Mean Annual Temp. *F		Baro. Press. - P _a 12	
County Rio Arriba		State New Mexico					
L		H		Gg .660		% 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							2081				12 Days
1.			.750	200		61	200				
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		212	.9990	.9535	1.025	2559
2.							
3.							
4.							
5.							

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



P _c 2093	P _c ² 4380649	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{4380649}{4151208}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0412$
NO.	P _t ²	P _w	P _w ²
1		379	229441
2			
3			
4			
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2664$

Absolute Open Flow 2664	Mcf/d @ 15.025	Angle of Slope θ _____	Slope, n .75
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Remarks: * 7.000" Liner - 3828' - 6366'
 * 4.500" Liner - 6241' - 8092'

Approved By Commission:	Conducted By: John Easley	Calculated By: Ed Mabe	Checked By:
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