

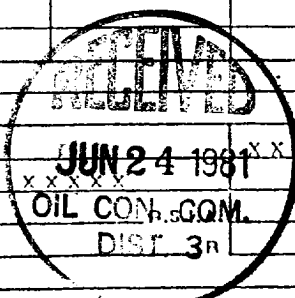
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 6-22-81				
Company El Paso Natural Gas Company				Connection					
Pool Basin				Formation Dakota				Unit	
Completion Date 6-14-81		Total Depth 7497		Plug Back TD 7490		Elevation 6293 GR		Farm or Lease Name San Juan 29-7 Unit	
Csg. Size 9.625	Wt. 40	d	Set At 3227	Perforations: From *7260 To 7458		Well No. 111M			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7407	Perforations: From To		Unit Sec. Twp. Rye. C 31 29 7			
Type Well - Single - Brdenhead - G.G. or G.O. Multiple G. G. Dual					Packer Set At		County Rio Arriba		
Producing Thru Tbg.		Reservoir Temp. *F P		Mean Annual Temp. *F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg .650	% 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							1574				8 Days
1.	2		.750	12		68	12				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	12.365		24	.9924	.9608	1.000	283
2.							
3.							
4.							
5.							

NO.	P _t	Temp. *R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf, chl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R



NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{2515396}{2512692}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.001}{1.001}$
1	576	52	2704			
2.						
3.						
4.						
5.						

$AOI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 283$

Absolute Open Flow 283 Mcfd @ 15.025		Angle of Slope θ		Slope, n .75	
Remarks: *7.000 Liner - 3097 - 5766					

Approved by Division	Conducted by: John Easley	Calculated by: Ed Mabe	Checked by:
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