

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 8-7-80	
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company		
Pool Basin				Formation Dakota		Unit Rincon
Completion Date 7-31-80		Total Depth 7761		Plug Back TD 7665		Elevation 6622 GL
Csg. Size 7.000	Wt. 23#	d 6.366	Set At 7369	Perforations: From 7418 To 7621		Well No. #125 (DK)
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7588	Perforations: From To		Unit Sec. Twp. Rge. N 26 27 6
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 6218		County Rio Arriba
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g 12
State New Mexico						
L	H	Gg 0.610	% 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							958				7 Days
1.	Choke		0.750	49		50					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		61	1.0098	0.9918	1.003	758
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 970 P _c ² 940900				
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1	3721	135	18225	922675
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0198$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0148$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 769$$

Absolute Open Flow	769	Mcf/d @ 15.025	Angle of Slope θ	Slope, n 0.75
--------------------	-----	----------------	-------------------------	---------------

Remarks: 5.000 Liner From 7283 to 7759. The Well Produced 113 MCF Gas During The Test.

Approved By Commission:	Conducted By: Ernie Minert	Calculated By: H.E. McAnally	Checked By:
-------------------------	-------------------------------	---------------------------------	-------------