

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP.O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1-19-81				
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Undes.				Formation Chacra				Unit Rincon Unit	
Completion Date 1-12-81		Total Depth 4099		Plug Back TD 4084		Elevation 6698 GL		Farm or Lease Name Rincon Unit #18R	
Csg. Size 5.500	Wt. 15.50	d 4.950	Set At 4099	Perforations: From 3973 To 4046		Well No. #18R			
Tbg. Size 2.0625	Wt. 3.25	d 1.750	Set At 4025	Perforations: From To		Unit C	Sec. 35	Twp. 27	Rge. 7
Type Well - Single - Brdenhead - G.G. or G.O. Multiple G. G. Dual					Packer Set At 3695		County Rio Arriba		
Producing Thru Tbg.		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g 0.650	% 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							998				7 Days
1.	Choke	0.750		16		58					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		28	1.0019	0.9608	1.004	335
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	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 1010 P _c ² 1020100					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0042$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0031$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²				
1	784	65	4225	1015875				
2								
3								
4								
5								

Absolute Open Flow : 336			Mcf/d @ 15.025		Angle of Slope θ		Slope, n 0.75	
--------------------------	--	--	----------------	--	------------------	--	---------------	--

Remarks: Gas Vented - 86 MCF The Well Produced No Liquids During The Test.			
--	--	--	--

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