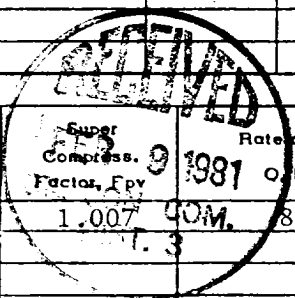


OIL CONSERVATION DIVISION

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 2-4-81	
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company	
Pool Undes.				Formation Pictured Cliff	
Completion Date 1-15-81		Total Depth 3982		Plug Back TD 3965	
Elevation 6224 GR		Farm or Lease Name Russell			
Csq. Size 5.500	Wt. 15.5	d 4.950	Set At 3982	Perforations: From 2833 To 3927	
Trq. Size 1.660	Wt. 2.33	d 1.380	Set At 2912	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 3600	
Producing Thru Csg.		Reservoir Temp. °F 8		Mean Annual Temp. °F	
Baro. Press. - P _g 12		State New Mexico			
L	H	Gg 0.630	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	
FLOW DATA			TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
				Temp. °F	
SI					
1.	Choke	0.750	61	56	65
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
1	12.365		73	1.0039	0.9759
2.					
3.					
4.					
5.					
					
NO.	P _r	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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R
$P_c = 620$ $P_c^2 = 384400$					
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0157$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0133$
1		77	5929	378471	
2					
3					
4					
5					
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 903$					
Absolute Open Flow 903 Mcfd @ 15.025				Angle of Slope θ _____ Slope, n 0.85	
Remarks: Gas Vented - 131 MCF. The Well Produced Dry gas Throughout The Test.					
Approved by Division		Conducted By: Norman Waggner		Calculated By: H. E. McAnally	
				Checked By:	