

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 9-2-81				
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit Huerfano	
Completion Date 8-26-81		Total Depth 6867		Plug Back TD 6850		Elevation 6627' GL		Farm or Lease Name Huerfano Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6867	Perforations: From 6644 To 6680		Well No. #177R			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6614	Perforations: From To		Unit 0	Soc. 22	Twp. 26	Rge. 10
Type Well - Single - Brazenhead - G.G. or G.O. Multiple Single					Packer Set At		County San Juan		
Producing Thru Tbg.		Reservoir Temp. °F a		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 4"	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							622		622		7 Days
1.	4" Meter		2.500"	2.5	1.5	71	16		202		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	103.21	1.81		0.9896	1.240	1.0000	229
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 _____ X 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

P _c 634	P _c ² 401956	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1286$	(2) $\frac{P_c^2 - P_w^2}{P_c^2} = 0.050$
NO.	P _t	P _w	P _w ²
1		214	45796
2			
3			
4			
5			

Absolute Open Flow 251 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n _____
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Remarks: The Well Produced 5.49 BBLs. of Oil During The Test.

Approved By Commission:	Conducted By: Ron Headrick	Calculated By: H. E. McNally	Checked By:
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