

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 6-11-85			
Company El Paso Natural Gas						Connection			
Pool Basin						Formation Dakota			
Completion Date 6-11-85		Total Depth 6995		Plug Back TD 6976		Elevation 6717 GR		Farm or Lease Name Huerfano Unit	
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 6993	Perforations: From 6806 To 6913		Well No. 122E			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6799	Perforations: From To		Unit Sec. Twp. Rge. A 10 26 10			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru Tbg.		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g .700	% 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							1565		1563		6 Days
1.			.750	79		80	79		784		3 Hrs.
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 _{spv}	Rate of Flow Q, Mcf/d
1	12.365		91	.9813	.9258	1.010	1032
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	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

$P_c = 1577$ $P_c^2 = 2486929$					$(1) \frac{P_c^2}{P_r^2 - P_w^2} = \frac{2486929}{2131713}$		$(2) \frac{P_r^2}{P_c^2 - P_w^2} = \frac{1.1226}{1.1226 - 0.75} = 1.1226$	
NO.	P _r	P _w	P _w ²	P _r ² - P _w ²				
1		596	355216	2131713				
2								
3								
4								
5								

Absolute Open Flow 1159 Mcf/d @ 15.025 Angle of Slope 3 DIST. 3 n .75

Remarks: Light slug of oil & water after 6 minutes, heavy slugs of oil after 1 hour. Gas vented during test = 245 MCF.

Approved by Division	Conducted By Joe Gillentine	Calculated By Ed Mahe	Checked By kld
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