

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 8-20-85			
Company El Paso Natural Gas				Connection					
Pool Basin				Formation Dakota				Unit	
Completion Date 8-20-85		Total Depth 6881		Plug Back TD 6862		Elevation 6609 GR		Farm or Lease Name Huerfano Unit	
Log Size 4.500	Wt. 10.5	d 4.052	Set At 6881	Perforations: From 6610 To 6756		Well No. #175E			
Log Size 2.375	Wt. 4.7	d 1.995	Set At 6709	Perforations: From To		Unit B		Sec. 14	Twp. 26
Type well - Single - Blindhead - G.G. or G.O. Multiple Single						Packer Set At None		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 .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							402		1073		7 Days
1.			.750	16		80	16		542		13 Hrs.
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, Mcf/d
1	12.365		28	.9813	.9258	1.003	315
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

F ₁ 1085 P ₁ ² 1177225			
NO.	P _r	P _w	P _r ² - P _w ²
1		554	306916
2			
3			
4			
5			

$$(1) \frac{P_r^2}{P_r^2 - P_w^2} = \frac{1177225}{870309}$$

$$ACF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 395$$

$$(2) \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.2543$$

Absolute Open Flow 395		Mcf/d @ 15.025	Angle of Slope	Slope, n .75
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Remarks: Flowed liquids throughout test - logged off at end of the test.
Gas vented during test = 132 MCF.

Approved by Commission:	Conducted By: Sonny Paul	Calculated By: Cliff Brock	Checked By: kld
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