

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 8-19-85			
Company El Paso Natural Gas				Connection					
Pool Basin				Formation Dakota				Unit	
Completion Date 8-19-85		Total Depth 6982		Plug Back TD 6913		Elevation 6576 GR		Farm or Lease Name Huerfano U.	
Coq. Size 4.500	Wt. 10.5	d 4.052	Set At 6928	Perforations: From 6718 To 6829		Well No. #203E			
Req. Size 2.375	Wt. 4.7	d 1.995	Set At 6827	Perforations: From To		Unit H 1 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 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							1607		1775		7 Days
1.			.750	199		82	199		586		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 _{pv}	Rate of Flow Q, Mcfd
1	112.365		211	.9795	.9258	1.020	2413
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2.										
3.										
4.										
5.										

P _r 1787	P _w 3193369	
NO. 1	P _r 598	P _w 357604
2.		
3.		
4.		
5.		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{3193369}{2835765}$$

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2638$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0932$$

Absolute Open Flow 2638	Mcfd @ 15.025	Angle of Slope	Slope, n .75
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Remarks: Produced heavy spary of water during test.
Gas vented during test = 382 MCF.

Approved by Commission:	Conducted By: Bill Huntington	Calculated By: Ed Mabe	Checked By: kld
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