

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 2-3-86			
Company El Paso Natural Gas				Connection					
Pool Basin				Formation Dakota				Unit	
Completion Date 2-3-86		Total Depth 6735		Plug Back TD 6717		Elevation 6707		Farm or Lease Name Huerfano Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6734	Perforations: From 6611 To 6698		Well No. #171E			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6684	Perforations: From To		Unit K	Sec. 36	Twp. 26	Rge. 10
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg	% 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							1449		1457		7 Days
1.											
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							
2							
3							
4							
5							

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 FEB 05 1986
 OIL CON. DIV.
 DIST. 3

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1						
2						
3						
4						
5						

A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.					Specific Gravity Separator Gas _____ XXXXXXXXXX	
Specific Gravity Flowing Fluid _____ XXXXX					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
Critical Temperature _____ R					_____ R	

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \text{_____}$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \text{_____}$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \text{_____}$	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>P_f²</th> <th>P_w²</th> <th>P_w²</th> <th>P_c² - P_w²</th> </tr> <tr><td>1</td><td></td><td></td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td></td><td></td></tr> </table>	NO.	P _f ²	P _w ²	P _w ²	P _c ² - P _w ²	1					2					3					4					5				
NO.	P _f ²	P _w ²	P _w ²	P _c ² - P _w ²																											
1																															
2																															
3																															
4																															
5																															

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n _____
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Remarks: _____			
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Approved By Commission:	Conducted By: Les Hepner	Calculated By: Scott H. Lindsay	Checked By: kld
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