

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 11/21/72	
Company Pubco Petroleum Corporation				Connection El Paso Natural Gas			
Pool Undesignated Pictured Cliffs <i>Blanco</i>				Formation Pictured Cliffs <i>Egt.</i>		Unit C	
Completion Date 11/09/72		Total Depth 2980'		Plug Back TD 2927		Elevation 6163'	
Farm or Lease Name State <i>Com</i>		Well No. 39					
Csg. Size 3-1/2"	Wt. 9.2#	d 2.992	Set At 2960	Perforations: From 2796 To 2836			
Tbg. Size NONE	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. C 36 29N 8W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.00	
State New Mexico							
L	H	Gg 0.6	% 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							985				
1.	1.995 x 0.75						267	66			1 hr.
2.	1.995 x 0.75						192	66			2 hr.
3.	1.995 x 0.75						160	66			3 hr.
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1.							
2.							
3.	12.365		172	0.9943	1.291	1.013	2766
4.			2126.73	2114.66	2730.02	2765.51	
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					Dry	
2.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
3.	1.49	526	1.47	0.975	Specific Gravity Separator Gas 0.60	X X X X X X X X
4.					Specific Gravity Flowing Fluid X X X X X	
5.					Critical Pressure P.S.I.A.	P.S.I.A.
					Critical Temperature R	R

NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1.					1.0307	1.0260
2.						
3.		172	29,584			
4.						
5.						

Absolute Open Flow 2838 Mcfd @ 15.025				Angle of Slope @		Slope, n .85	
Remarks:							
Approved By Commission:		Conducted By: R. J. Flaker		Calculated By: J. C. Johnson		Checked By:	