

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-63

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4/23/69	
Company Pueblo Petroleum Corporation			Connection El Paso Natural Gas		
Well Blanco Pictured Cliffs			Formation Pictured Cliffs		
Drilling Date 4/16/69		Total Depth 2,638' K.B.		Perforations 2,594' K.B.	
				Elevation 5,860' Gr.	
Name of Lessee Delhi State Oil Co.					
Test Line 1.995" O.D.		WT. 7.70		Set At 2,626' KB	
		a 3.068		Perforations: From 2,542 To 2,574	
Test Size 1.900" O.D.		WT. 2.75		Set At 2,464' KB	
		d 1.610		Perforations: From 2,460 To 2,464	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing				Baro. Press. - P _a 12.0	
Reservoir Temp. °F @				State New Mexico	
L		H		Gg	
				0.60	
				% 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
1.	1.995 x 0.750						899		900		S.T.
2.	1.995 x 0.750						148	61	363		1 Hr.
3.	1.995 x 0.750						129	62	319		2 Hr.
4.	1.995 x 0.750						118	63	296		3 Hr.
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, Mcfd
1.							
2.							
3.	12.3650		130	0.9971	1.291	1.011	2092
4.			1607.450	1602.788	2069.199	2091.960	
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.	0.194	523	1.46	0.9780	Dry Gas		0.60			
2.										
3.										
4.										
5.										

NO.	P _r ²	P _w ²	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.	912	831.744	308	736,880	1.128	1.1077
2.						
3.						
4.						
5.						

Absolute Open Flow 3235 Mcfd @ 15.025				Angle of Slope θ		Slope, n 0.85	
Remarks:							
Approved By Commission:		Conducted By: Glen O. Rhodes		Calculated By: <i>[Signature]</i>		Checked By:	