

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 9-27-85	
Company El Paso Natural Gas				Connection	
Pool Blanco				Formation Mesa Verde	
Completion Date 9-27-85		Total Depth 4874		Plug Back TD 4858	
				Elevation 5998 GR	
Csg. Size 7.000		ID 20		Set At 6.456	
Perforations: From *4380 To 4813		Well No. #11			
Perforations: From To		Unit P		Sec. 30 Twp. 28 Rge. 09	
Type well - Single - Irradiated - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tbg.		Reservoir Temp. °F a		Mech. Annual Temp. °F	
L H		Gg .680		% CO ₂ % N ₂ % H ₂ S	
				Prover Meter Run Taps	
FLOW DATA					
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw
51					
1.			.750	77	89
2.					
3.					
4.					
5.					
TUBING DATA					
	Press. p.s.i.g.	Temp. °F			
	979				
	77				
CASING DATA					
	Press. p.s.i.g.	Temp. °F			
	996				
	632				
RATE OF FLOW CALCULATIONS					
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg
1	12.365		89	.9732	.9393
2					
3					
4					
5					
Super Compress. Factor, F _{pv}					
					1.007
Rate of Flow Q, Mcfd					
					1013
Gas Liquid Hydrocarbon Ratio					
NO.	P _r	Temp. °R	T _r	Z	
1					
2					
3					
4					
5					
A.P.I. Gravity of Liquid Hydrocarbons Specific Gravity Separator Gas Specific Gravity Flowing Fluid Critical Pressure Critical Temperature 1008 1016064 644 414736 601328 1001311985 OIL CON. DIV. DIST. 3 Mcf/bbl. Deg. P.S.I.A. R					
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1016064}{601328}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4820$ ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1501$ 1501 Mcfd @ 15.025 Angle of Slope Slope, n = .75					
Remarks: *4.500" liner - 2283'-4874'. Produced heavy surges of water throughout test. Gas vented during test = 213 MCF.					
Approved by Commission:		Conducted By:		Calculated By:	
		Don Norton		Ed Mabe	
				Checked By:	
				kld	