

OIL CONSERVATION DIVISION

Form C-127
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5-15-83	
Company Elliott Oil Company			Connection El Paso Natural Gas Co.		
Pool Blanco			Formation Mesaverde		
Completion Date 5-7-83		Total Depth 8270		Plug Back TD 8195	
				Elevation 7471 K.B.	
Gas. Size 7.000		Wt. # 23 #		Set At 6410	
4.500		11.5 #		6263/8269	
Perforations: From 6084		To 6228		Well No. 2	
Perforations: From Open		To Ended		Unit Sec. Twp. Rge. G 21 25 3	
Type Well - Single - Drdhead - G.G. or G.O. Multiple Gas/Oil Dual		Packer Set At 6370		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F 12 psi. est.	
Baro. Press. - P _a New Mexico		Prover		Meter Run	
L H Gg % CO ₂ % N ₂ % H ₂ S		.650		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.	
SI	8 days						1276		1301	
1.	2 inch	.750	51				51		614	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		63	1.000	.9608	1.007	754
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.										

NO.	P _r ²	P _w ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.29418$	(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.21337$
1		626	391876	1332093		
2						
3						
4						
5						

Absolute Open Flow				Angle of Slope		Slope, n	
914				Mcfd @ 15.025		.75	

Remarks:			
Approved By Division	Conducted By:	Calculated By:	Checked By:
	Joe Elledge	Joe Elledge	Frank Elliott
