

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 5/30/78	
Company Mesa Petroleum Co.				Connection El Paso Natural Gas Co.		
Pool Blanco				Formation Pictured Cliffs		Unit
Completion Date 5/12/78		Total Depth 3145'		Plug Back TD 3078'		Elevation 6391' GL
Csg. Size 3 1/2"		Set At 3102'		Perforations: From 3050' To 3084'		Farm or Lease Name State Com
Tbg. Size 1 1/4"		Set At 3044'		Perforations: From To		Well No. 46
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		Unit Sec. Twp. Rge. H 16 29N 8W
Producing Thru Tbg.		Reservoir Temp. °F @ 48 degrees		Mean Annual Temp. °F		County San Juan
Baro. Press. - P _a		State New Mexico				
L 3044	H 3044	G _g .670	% 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.	2"		.75"	Pitot Tube		48°	1024	138	1025	592	4 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.		Based on NMOCC Manual Pitot Tube Testing Procedures					
2.							
3.				1.012	.9463	1.016	1805
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas .670 X X X X X X X X
3.					Specific Gravity Flowing Fluid X X X X X
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ °R

NO.	P _t ²	P _w ²	P _w ²	P _c ² - R _w ²
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.5134$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 2567$

$\left[\frac{P_c^2 - R_w^2}{P_c^2} \right]^n = 1.4222$

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