

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 8/1/78			
Company Mesa Petroleum Co.				Connection El Paso Natural Gas					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 7/15/78		Total Depth 5664'		Plug Back TD 5590'		Elevation 6249GL		Farm or Lease Name State Com V	
Csq. Size 4 1/2	Wt. d	Set At 5662'	Perforations: From 5500' To 5020'		Well No. 18A				
Tbg. Size 2 3/8	Wt. d	Set At 5384'	Perforations: From To		Unit Sec. Twp. Rge. 0 2 30N 8W				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru Tbg		Reservoir Temp. °F a		Mean Annual Temp. °F 78 degrees		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	
			.650						

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		78 ⁰	540		542		4 hrs.
2.						78 ⁰	153		445		
3.											
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, Fpv	Rate of Flow Q, Mcfd
1.		Based on NMOCC Manual for Pitot Tube Testing Procedures					
2.							
3.							
4.				.9831	.9608	1.014	1954
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas .650 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. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.1297$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.3530$
1.							
2.							
3.							
4.							
5.							

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4598$$

Absolute Open Flow	4598	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: _____

Approved By Commission:	Conducted By: Mesa Petroleum Co.	Calculated By: D. Green	Checked By: C.R. Wagner (EPNG)
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