

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 6/28/78			
Company Mesa Petroleum Co.				Connection El Paso Natural Gas					
Pool Blanco				Formation Pictured Cliffs				Unit	
Completion Date 6/14/78		Total Depth 3050'		Plug Back TD 3014'		Elevation 6290' GL		Farm or Lease Name State Com	
Csg. Size 3 1/2	Wt. d	Set At 3050'	Perforations: From 2914' To 2955'		Well No. 43				
Tbg. Size 1 1/4"	Wt. d	Set At 2908'	Perforations: From To		Unit N 36 29N 8W				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru Csg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g	% 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		64 ⁰	127		872	78	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 Ft.	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.				.9962	.9463	1.009	1059
4.							
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 .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. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t	P _w	P _r ²	P _w ²	P _r ² - P _w ²
1.					
2.					
3.					
4.					
5.					

$$(1) \frac{P_r^2}{P_r^2 - P_w^2} = 1.0254$$

$$(2) \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0215$$

$$AOF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1082$$

Absolute Open Flow	1082	Mcf/d @ 15.025	Angle of Slope @	Slope, n .85
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Remarks:			
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Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Mesa Petroleum Co.	Jack Dunning	C.R. Wagner

NMOCC (5), Dvr. off (1), J. Archer, EPNG, (2), D&M, M&M, Les Carnes, Mike