

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 5/17/78	
Company Mesa Petroleum Co.				Connection El Paso Natural Gas Company		
Pool Blanco				Formation Pictured Cliffs		Unit
Completion Date 5/8/78		Total Depth 3356'		Plug Back TD 3209'		Elevation 6385' GL
Farm or Lease Name State Com						
Csg. Size 3.5"	Wt. 9.5#	d	Set At 3353'	Perforations: From 3156' To 3176'		Well No. #42
Tbg. Size 1 1/2"	Wt.	d	Set At 3135'	Perforations: From To		Unit Sec. Twp. Rge. G 32 31N 9W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan
Producing Thru Tbg.		Reservoir Temp. °F @ 57°		Mean Annual Temp. °F		State New Mexico
L	H	Gg 0.67	% 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"		3/4"	Pitot Tube		57°	127		506		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 for Pitot Tube Testing Procedures.					
2.							
3.				1.003	0.9463	1.013	1653
4.							
5.							

NO.	P _f	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. P.S.I.A.
5.					Critical Temperature _____ R R

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

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.5492$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2398$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4507$$

Absolute Open Flow 2398 mcf/D	Mcf/d @ 15.025	Angle of Slope °	Slope, n 85
Remarks:			

Approved By Commission:	Conducted By: Mesa Petroleum Co.	Calculated By: Dave Green	Checked By:
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