

**NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

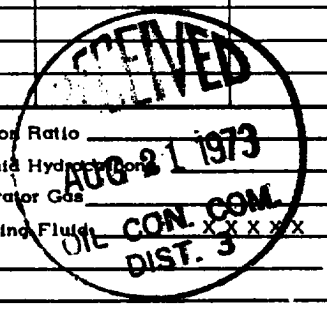
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date			
Company Manning Gas & Oil Co.				Connection Waiting on Pipeline					
Pool So. Blanco P. C.				Formation Pictured Cliffs				Unit	
Completion Date 8-8-73		Total Depth 3160'		Plug Back TD 3092'		Elevation 6867' KB		Farm or Lease Name Apache	
Csg. Size 4.500	Wt. 9.50	d 4.090	Set At 3161	Perforations: From 3005 To 3040		Well No. 12			
Tbg. Size 1.900	Wt. 2.90	d 1.610	Set At 3129	Perforations: From 3126 To 3129		Unit C	Sec. 13	Twp. 24N	Rge. 4W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 97° 3144'		Mean Annual Temp. °F --		Baro. Press. - P _a 12.0		State New Mexico	
L 3126	H 3126	G _g 0.600	% 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	
SI							1020		1020		7 da
1.						60	110		450		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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		122	1.0000	1.0000	1.0000	1,509
2.							
3.							
4.							
5.							

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



NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		462	213,444	851,580
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.2506$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,769$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1723$$

Absolute Open Flow 1,769 Mcfd @ 15.025	Angle of Slope @	Slope, n 0.85
Remarks:		

Approved By Commission:	Conducted By: Ewell N. Walsh	Calculated By: Ewell N. Walsh	Checked By:
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