

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 10-26-74	
Company Northwest Pipeline				Connection New completion			
Pool Blanco				Formation Mesa Verde		Unit San Juan 30-5	
Completion Date 10-19-74		Total Depth 5720'		Plug Back TD 5684'		Elevation 6289' GL	
Farm or Lease Name SJ 30-5 Unit		Well No. 41		Perforations: From 5160 To 5626		Set At 5719	
Csg. Size 4-1/2		Wt. 10.5		d 4.052		Set At 5719	
Tbg. Size 2		Wt. 4.7		d 1.995		Set At 5615	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At ---		County Rio Arriba	
Producing Thru tubing		Reservoir Temp. °F - a -		Mean Annual Temp. °F -		Baro. Press. - P _a 12.0	
State New Mexico		Prover pos ck		Meter Run		Taps	
L		H		Gg .63		% CO ₂	
				% N ₂		% H ₂ S	

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							932		1014		7 days
1.	750	pos ck		194		70	194		502		3 hours
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, Mcid
1	12.365		206	.9905	.9759	1.017	2504
2.							
3.							
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 _____ X 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

$P_c = 1026$ $P_c^2 = 1,052,676$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1,052,676}{738,480}$	$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2420$
NO.	P _c	P _w	P _w ²	P _c ² - P _w ²		
1		514	264,196	788,480		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3110$		
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Absolute Open Flow 3110 Mcid @ 15.025	Angle of Slope @ 75
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Remarks: Well began making heavy fog of water @ 4 min. Reduced to medium mist @ 10 min. Blowing light mist at the end of 3 hours.

Approved By Commission:	Conducted By: R.E. Fielder	Calculated By: R.E. Fielder	Checked By: R.E. Fielder
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