

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 8-8-79	
Company Southland Royalty Company				Connection Northwest Pipeline Corporation			
Pool Blanco				Formation Mesa Verde		Unit	
Completion Date 8-1-79		Total Depth 6337'		Plug Back TD 6170'		Elevation 6732' GR	
Csg. Size 7.000 4.500		Wt. 20# 10.50#		d 6.456 4.052		Set At 3874' 3719-6336	
Tbg. Size 2.375		Wt. 4.70#		d 1.995 6067'		Set At	
Perforations: From 5767' To 6080'				Well No. 2-A			
Perforations: From --- To ---				Unit Sec. Twp. Rye. O 26 32N 7W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Multiple						Packer Set At 3861'	
Producing Thru Tbg		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.2	
County San Juan		State New Mexico					
L		H		G _g .700		% 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							827				
1.	2"		3/4"				175				1 hr
2.							155				2 hrs
3.							142				3 hrs
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	12.365		154.2	1.0000	.9258	1.0000	1765
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
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

$P_c = 839.2$ $P_c^2 = 704,257$				$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0349$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0261$	
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²			
1		154.2	23,778	680,479			
2							
3							
4							
5							

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1811$

SEP 5 1979

OIL & GAS COM.

Absolute Open Flow <u>1811</u> Mcfd @ 15.025		Angle of Slope θ _____	
Slope, n <u>.75</u>			
Remarks: <u>Water - Misting</u>			

Approved By Commission:	Conducted By: Dwayne Horton	Calculated By: James Smith	Checked By:
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