

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 9-28-76			
Company Northwest Pipeline Corp.				Connection New Well					
Pool Blanco				Formation Mesa Verde				Unit Cox Canyon	
Completion Date 9-21-76		Total Depth 5802		Plug Back TD 5756		Elevation 6548 GR		Farm or Lease Name Cox Canyon Unit	
Csg. Size 7.000 4.500	Wt. 20.0# 10.5#	d 6.456 4.052	Set At 3630' 3485-5798'	Perforations: From 5097' To 5631'		Well No. #6A			
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 5647	Perforations: From To		Unit Sec. Twp. Rge. T 16 32 11			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas single						Packer Set At none		County San Juan	
Producing Thru tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Gg .670	% CO ₂	% N ₂	% H ₂ S	Prover orifice meter	Meter Run 4"	Taps flange	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	x	Orifice Size	Meter PSIG	Meter Diff.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							592		750		SIP
1.	4"	x 2.500		98	8.5	60°	381		660		3 hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	103.21	3.32	8.5	1.000	1.222	1.009	3591
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.										
2.										
3.										
4.										
5.										

NO.	P _r ²	P _w ²	R _w ²	P _r ² - R _w ²
1		672	451584	129060
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 4.4990$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 11,093$

(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 3.0891$

Absolute Open Flow	11,093	Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Variable choke set @ 48/64. Produce 1 bbl. of water with a trace of condensate.

Approved By Commission:	Conducted By: Fred Hamrick	Calculated By: Fred Hamrick js	Checked By:
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