

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 8-16-76	
Company Northwest Pipeline Corp.				Connection New Completion		
Pool Blanco				Formation Mesa Verde		Unit San Juan 29-6
Completion Date 7-20-76		Total Depth 5678'		Plug Back TD 5660'		Elevation 6416'
Farm or Lease Name San Juan 29-6 Unit						
Csg. Size 7.000 4.500	Wt. 20.0 10.5	d 6.456 4.052	Set At 3700 5545 5674	Perforations: From 5138 To 5596		Well No. 37A
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5574	Perforations: From To		Unit Sec. Twp. Rge. P 16 29 6
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas Single				Packer Set At none		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 12.0		State New Mexico
L	H	Gg .675	% CO ₂	% N ₂	% H ₂ S	Prover, Orifice meter 4" 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	
1.	4	x	250	44	6.4	54°	816 243		816 632		7 day SIP 3 min
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	103.21	2.37	6.4	1.0058	1.217	1.004	1924
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	1976 Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXX XXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A. P.S.I.A.
5.					Critical Temperature	R R

P _c	828	P _c ²	685584
NO.	P _t ²	P _w	P _w ²
1			
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.5313$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.0068$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3861$$

Absolute Open Flow	3861	Mcfd @ 15.025	Angle of Slope	Slope, n
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Remarks: Diff. from L-10 chart. Coefficient from chart factor 3.162 & orifice factor 32.64. Variable choke set at 48/64. Well produced 3 bbls water with a trace of condensate.

Approved By Commission:	Conducted By: F.S. Hamrick js	Calculated By: F.S. Hamrick js	Checked By:
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