

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 11-9-76			
Company Northwest Pipeline Corp.				Connection New well					
Pool Blanco				Formation Mesa Verde				Unit S.J. 32-7	
Completion Date		Total Depth 5935'		Plug Back TD 5898'		Elevation 6520'		Farm or Lease Name S.J. 32-7 Unit	
CP: 000 4.500	Wt. 20# 11.6#	d 6.465 4.052	Set At 3809 3686-5898	Perforations: From 5438 To 5810		Well No. #32			
Tbg. Size 2.375	Wt. 4.9	d 1.995	Set At 5807	Perforations: From To		Unit Sec. Twp. Rge. N 22 32 7			
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 .589	% 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	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							1064		1100		SIP
1.	4" X 2.500			80	945	70	205		419		3 hr.
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	103.21	3.16	9.45	.9905	1.303	1.006	4002
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mc/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.
5.					Critical Temperature	R R

P _c 1112	P _c ² 1236544		
NO.	P _c ²	P _w	P _w ²
1		431	185761
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1768$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4522$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1299$$

Absolute Open Flow	4522	Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Produced 3 bbls. of water.

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