

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 01-12-82	
Company Northwest Pipeline Corp.			Connection New Completion		
Pool Undesignated			Formation Pictured Cliffs		Unit San Juan 32-8
Completion Date 12-24-81		Total Depth 6440'	Plug Back TD 4050'	Elevation 7007'	Form or Lease Name San Juan 32-8 Unit
Gr. Coef. 7.000	Wt. 20.0	d 6.456	Set At 4350'	Perforations: From 3886' To 3973'	Well No. #46 P.C.
4.500	10.5	4.052	4145'-6440'		
1.660	2.33	1.380	3970'		
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Gas - Multiple Completion			Packer Set At 4050'	County San Juan	
Producing Thru Tubing		Reservoir Temp. °F e	Mean Annual Temp. °F	Baro. Press. - P _a 12.0	State New Mexico
L	H	Gg est. .594	% CO ₂	% N ₂	% H ₂ S
				positive choke	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							1331		1331		SIP
1.	2"	X	.750"	233		46°	233		1085		3 hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		243	1.014	1.298	1.019	3156
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	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 1343	P _c ² 1803649	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.0049$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.5477$
NO. 1	P _f ²	P _w	P _w ²
1		1097	1203409
2			
3			
4			
5			

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8041$	
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Absolute Open Flow 8041	Mcf @ 15.025	Angle of Slope e _____	Slope, n .85
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Remarks: Produced light mist of water with a trace of condensate. Vented 423 MCF.

Approved By Commission:	Conducted By: Fred S. Hamrick	Calculated By: B.J. Broughton	Checked By: B.J. Broughton
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BJB/skw