

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 11-2-77	
Company Northwest Pipeline Corp.				Connection New Completion			
Pool Gobernador				Formation Pictured Cliffs			
Completion Date 10-4-77		Total Depth 3557		Plug Back TD 3521		Elevation 6469 GR	
Csg. Size 2.875	Wt. 6.4	d 2.441	Set At 3539	Perforations: From 3410 To 3494			
Thg. Size None	Wt.	d	Set At	Perforations: From To			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Tubingless Completion				Packer Set At None		Unit San Juan 29-5 Unit	
Producing Thru Casing		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L	H	Gg .690	% CO ₂	% N ₂	% H ₂ S	Prover 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											
1.	2	X	.750	171		61°			981		SIP
2.									171		3 hrs.
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	9.402		183	.999	1.204	1.020	2111
2.							
3.							
4.							
5.							

NO.	P _t	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 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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0593$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0502$
1		235	55225	930824		
2		(Calc)				
3						
4						
5						

AOFF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2217$

Absolute Open Flow	2217	Mcf/d @ 15.025	Angle of Slope θ	85
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Remarks: Well produced light mist of water with trace of paraffin.

G1	1-e-s	FcQ ²	R ²	Pt ²	Pt ² + R ²	Calc. PW
2353	.157	137315	21559	33489	55048	235

Approved By Commission:	Conducted By: Fred Hamrick	Calculated By: B.J. Broughton	Checked By:
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