

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-55

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10-14-77					
Company Northwest Pipeline Corp.				Connection New Completion							
Pool Los Pinos				Formation Fruitland				Unit San Juan 32-8			
Completion Date 10-2-77		Total Depth 3830		Plug Back TD 3670		Elevation 6804 GR		Farm or Lease Name San Juan 32-8 Unit			
Csg. Size 2.875	Wt. 6.4	d 2.441	Set At 3824	Perforations: From 3591 To 3642		Well No. #37 (WO)					
Tbg. Size None	Wt.	d	Set At	Perforations: From To		Unit I		Sec. 23	Twp. 32		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Tubingless Completion						Packer Set At None		County San Juan			
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico			
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover Positive Choke		Meter Run	Taps		
FLOW DATA						TUBING DATA		CASING DATA			
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	Duration of Flow
SI	10 day SIP								1423		SIP
1.	2	X	.750	58		63°			58		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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1	9.402		70	.997	1.291	1.007	853				
2.											
3.											
4.											
5.											
NO.	P _t	Temp. °R	T _t	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						
$P_c = 1436$ $P_c^2 = 2062096$											
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0039$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0034$						
1		90	8100	2053996							
2											
3											
4											
5											
Absolute Open Flow 856 Mcfd @ 15.025					Angle of Slope θ _____						
Remarks: Well produced medium mist of water throughout test.											
G1		1-e-s		FcQ ²		R ²		Pt ²		Pt ² + R ²	
2155		.145		22420		3251		4900		8151	
Approved By Commission:				Conducted By: Wilfred Charley				Calculated By: B.J. Broughton			
								Checked By:			

