

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 5-27-81	
Company Northwest Pipeline Corporation		Connection New Completion	
Pool Basin		Formation Dakota	
Completion Date 5-11-81		Total Depth 8370'	
Plug Back TD 8305'		Elevation 6730'	
Farm or Lease Name San Juan 32-7 Unit		Well No. #69	
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 8370'
Perforations: From 8212' To 8278'		Well No. #69	
Trg. Size 2.375	Wt. 4.7	d 1.995	Set At 8168'
Perforations: From To		Well No. A 35 32N 7W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single		Packer Set At None	
Producing Thru Tubing		Baro. Press. - P _a 12.0	
Reservoir Temp. °F 8		Mean Annual Temp. °F 12.0	
State New Mexico		County San Juan	
L	H	Gg est. .580	% 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
1.	2"	X	.750	30		62 ⁰	2775	30	2770	245	SIP
2.											3 hr
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.	9.604		42	.9981	1.313	1.002	530
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.										
2.										
3.										
4.										
5.										

P _c 2787	P _c ² 7767369	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0086$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0064$
NO. 1	P _t ² 257	P _w ² 66049	P _c ² - P _w ² 7701320
2.			
3.			
4.			
5.			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 533$

Absolute Open Flow	533	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Produced heavy mist of water throughout test. Vented 66 MCF.

Approved By Commission:	Conducted By: John Wright	Calculated By: John T. Harris	Checked By: B.J. Broughton
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