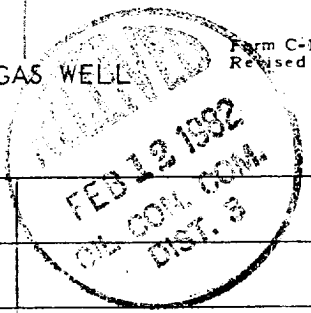


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2-02-82	
Company Northwest Pipeline Corporation				Connection New Completion			
Pool Blanco				Formation Mesa Verde		Unit San Juan 32-8	
Completion Date 1-22-82		Total Depth 6150'		Plug Back TD 6087'		Elevation 6660'	
Farm or Lease Name San Juan 32-8 Unit							
Csg. Size 4.500		Wt. 20.0		d 6.456		Set At 3950	
Perforations: From 5604'		To 6028'		Well No. #47			
Thg. Size 2.375		Wt. 4.7		d 1.995		Set At 5973'	
Perforations: From		To		Unit J		Sec. Twp. Rge. 30 32N 8W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single Completion						Packer Set At None	
Producing Thru Tubing						County San Juan	
Reservoir Temp. °F 6		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L		H		G _g est. .588		% 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	
1.	2"	X	.750"	199		65 ⁰	1081	199	1081	551	SIP
2.											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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	9.604		211	.995	1.304	1.013	2663
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
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

$P_c = 1093$ $P_c^2 = 1194649$				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.		563	316969	877680
2.				
3.				
4.				
5.				

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.3611$

$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2607$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3356$

Absolute Open Flow	3356	Mcf @ 15.025	Angle of Slope °	Slope, n	75
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Remarks: Produced light mist of water throughout test. Vented 394 MCF.

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