

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

Form O-112
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 10-13-78	
Company Northwest Pipeline Corporation		Connection New Completion	
Pool Blanco		Formation Mesa Verde	
Completion Date Oct. 5, 1978		Total Depth 6021	
Plug Back TD 5967		Elevation 6798	
Well No. 14A		Farm or Lease Name San Juan 29-6 Unit	
Csg. Size 7.000 4.500	Wt. 20.0 10.5	d 6.456 4.052	Set At 3974 3829-6019
Perforations: From 5432 To 5952			
Tng. Size 2.375	Wt. 4.7	d 1.995	Set At 5861
Perforations: From To			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single		Packer Set At None	
County Rio Arriba			
Producing Thru Tubing	Reservoir #	Temp. °F	Mean Annual Temp. °F
Baro. Press. - P _a 12.0		State New Mexico	
L	H	G _g .668	% CO ₂ % N ₂ % H ₂ S
Prover Positive Choke		Meter Run Taps	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Frover 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							880		886		SIP
1.	2" x	0.750		297		61°	297		705		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		309	.999	1.224	1.031	3741
2.							
3.							
4.							
5.							

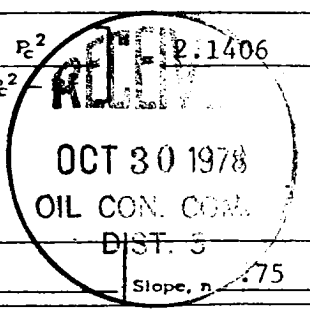
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.				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

P _c 898	P _c ² 806404			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		717	514089	292315
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.7587$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8008$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right] = 2.1406$$



Absolute Open Flow 8008	Mcfd @ 15.025	Angle of Slope @	Slope, n .75
Remarks: Well produced a trace of condensate.			
Approved By Commission:	Conducted By: F.S. Hamrick	Calculated By: B.J. Broughton	Checked By: