

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 10/21/82	
Company Northwest Pipeline Corporation						Connection New Completion	
Well Blanco						Formation Mesa Verde	
Unit San Juan 30-5							
Completion Date 10-09-82		Total Depth 5982'		Plug Back TD 5939'		Elevation 6638'	
Farm or Lease Name San Juan 30-5 Unit							
Core No. 4.500	Wt. 20.0	d 6.456	Set At 3920'	Perforations: From 5542' To 5940'		Well No. #84 MV	
Trg. Size 2.375	Wt. 4.7	d 1.995	Set At 5843'	Perforations: From To		Unit Sec. Twp. Rye- J 33 30N 5W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Multiple Completion						Packer Set At 3710'	
County Rio Arriba							
Producing Thru Tubing		Reservoir Temp. *F 8		Mean Annual Temp. *F 12.0		State New Mexico	
L	H	G _g est. .590	% 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	
SI	Shut-in Pressure										
1.	2"	X	.750"	252		62°	252		Packer		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		264	.998	1.302	1.020	3360
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.
5.					Critical Temperature	R

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²
1	1133	540	291600	992089
2		(calc.)		
3				
4				
5				

(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 1.2939$

AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 4076$

(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1.2132$

Absolute Open Flow	4076	Mcf/d @ 15.025	Angle of Slope @	Slope, n	.75
--------------------	------	----------------	------------------	----------	-----

Remarks: Produced light mist of water. Vented 477 MCF.

G _l	1-e-s	F _{CO}	R ²	P _t ²	P _t ² + R ²	P _w
3447	.222	997974	221550	69696	291246	540

Approved By Commission:	Conducted By: Evel S. Hamrick	Calculated By: R. L. Broughton	Checked By: D. D.
-------------------------	----------------------------------	-----------------------------------	----------------------