

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 6-23-81	
Company Northwest Pipeline Corp.		Connection New Completion	
Pool Blanco		Formation Mesa Verde	
Completion Date 6-05-81		Total Depth 6310'	Plug Back TD 6904'
Elevation 6904'		Unit San Juan 29-5	
Csq/s 4.500	Wt. 20.0	d 6.456	Set At 4180'
4.500	10.5	4.052	3992'-6308'
Perforations: From 5738' To 6144'		Well No. #101 MV	
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 6039'
Perforations: From To		Unit Sec. Twp. Rge. B 26 29N 5W	
Type Well - Single - Brazenhead - G.G. or G.O. Multiple Gas - Multiple Completion		Packer Set At 3960'	County Rio Arriba
Producing Thru Tubing	Reservoir Temp. °F 8	Mean Annual Temp. °F	Baro. Press. - P _g 12.0
State New Mexico		Meter Run	
L	H	G _g est. .670	% CO ₂ % N ₂ % H ₂ S
		Positive choke	

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	194		61°	1124				SIP
2.							194				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		206	.999	1.222	1.020	2464
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 <td>Deg.</td>	Deg.
2.					Specific Gravity Separator Gas <td>XXXXXX</td>	XXXXXX
3.					Specific Gravity Flowing Fluid <td>XXXXXX</td>	XXXXXX
4.					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5.					Critical Temperature <td>R</td>	R

P _c 1136	P _c ² 1290496	(1) $\frac{P_c^2}{P_e^2 - P_w^2} = 1.1610$	(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.1184$
NO 1	P _t ²	P _w	P _w ²
1		423	178929
2		(calc)	
3			
4			
5			

Absolute Open Flow 2756 Mcfd @ 15.025		Angle of Slope @		Slope, n .75
Remarks: Produced medium mist of water with a trace of condensate. Vented 342 MCF/Day.				
G1 4046	1-e-s .255	F _{CO} ² 536688	P _t ² 136855	P _t ² + R ² 42436
		179291		Calc. P _w 423 Psia
Approved By Commission:		Conducted By: F.S. Hamrick		Calculated By: R.J. Broughton
				Checked By: BJR