

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 7/16/85	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool Basin				Formation Dakota	
Completion Date 11/12/84		Total Depth 8188'		Elevation 6275' GR	
Csg. Size 4.500		Wt. 11.6		Set At 8188'	
Thg. Size 2.375		Wt. 4.7		Set At 7903'	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Dual				Packer Set At 7671'	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F	
L		H		Baro. Press. - P _a 12.0	
G _g Est. .600		% CO ₂		% N ₂	
				% H ₂ S	
				Positive Choke	
				Meter Run	
				Taps	
Well No. #108 (DK)					
Unit Sec. Twp. Rge. G 7 31N 5W					
County Rio Arriba					
State New Mexico					

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.	
1.	SIP						2480			
2.	2"	X	.750"			85°	174	85°		
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		186	.977	1.291	1.014	2285
2.							
3.							
4.							
5.							

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

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1	2492	412	6210064	169744	6040320
2		(Calc.)			
3					
4					
5					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0281$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0210$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2333$

RECEIVED
AUG 05 1985
OIL CON. DIV
DIST.

Absolute Open Flow <u>2333</u> Mcfd @ 15.025		Angle of Slope <u>75</u>	
Remarks: Well produced heavy mist of water throughout test. Vented 286 MCF.			
G _i	i-e-s	FcQ ²	R ²
4742	.292	461544	134771
Approved By Commission:		Conducted By: Chik Charley	
		Calculated By: S.K. Liese	
		Checked By: M.J. Tienbaugh	