

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 6-9-78	
Company Northwest Pipeline Corp.				Connection New Completion		
Pool Blanco				Formation Mesa Verde		Unit San Juan 29-6
Completion Date 6-2-78		Total Depth 6013		Plug Back TD 5978		Elevation 6731
Gas Size 7.000 4.500		Wt. 20.0 10.5		d 6.456 4.052		Set At 3942 3788-6011
Perforations: From 5478 To 6731		Well No. 35A				
Thq. Size 2.375		Wt. 4.7		d 1.995		Set At 5925
Perforations: From To		Unit Sec. Twp. Rge. D 15 29 6				
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 6		Mean Annual Temp. °F 12.0		State New Mexico
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover Positive choke
		.610				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							691		691		Sip
1.	2 X .750			117		73°	177		518		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		189	.988	1.280	1.015	2330
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 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 703 P _c ² 494209				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		530	280900	213309
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.3169$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4375$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8779$

JUN 10 1978
 OIL CON. COM.
 DIST. \$

Absolute Open Flow 4375 Mcfd @ 15.025	Angle of Slope θ .75
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Remarks: Blew light mist of water with a trace of condensate.

Approved By Commission:	Conducted By: Fred Hamrick	Calculated By: B.J. Broughton	Checked By:
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