

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

Form C-122
 Revised 9-1-65

Ready 7-24-74

SIG 7-18-74

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7-25-74	
Company Northwest Pipeline Corporation				Connection New completion		
Pool Blanco				Formation Pictured Cliffs		Unit Cox Canyon
Completion Date 7-11-74		Total Depth 3725'		Plug Back TD 3562'		Elevation 6866' G.L.
Csg. Size 2-7/8"	Wt. 6.4#	d 2.441	Set At 3712	Perforations: From 3566 To 3630		Well No. 14
Thg. Size	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. SW 21 32 11
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Tubingless Completion				Packer Set At None		County San Juan
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F		State New Mexico
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover .750 choke
FLOW DATA			TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F
SI						
1.	.750 choke					
2.						
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 Fg	Super Compress. Factor, Fpv
1	12,365		117	.9990	.9721	1.010
2.						
3.						
4.						
5.						
NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
2.					Specific Gravity Separator Gas _____	
3.					Specific Gravity Flowing Fluid _____	
4.					Critical Pressure _____ P.S.I.A.	P.S.I.A.
5.					Critical Temperature _____ R	R
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{762,129}{739,025} = 1.0265$	
1						
2						
3						
4						
5						
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,456$						
Absolute Open Flow _____ Mcfd @ 15.025					Angle of Slope _____	
Slope, n _____ .85						
Remarks: GL 1-e-s (Fr.Q) ² R ² PT ² PT ² + R ² PW 2264 .152 62,045 9431 13,689 23,120 152						
Well produced very light mist of H ₂ O through-out test.						
Approved By Commission:		Conducted By:		Calculated By:		Checked By:
		Bobby Broughton		Bobby Broughton		R.E. Fielder