

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 11/5/75	
Company Northwest Pipeline Corporation				Connection (OWWO)			
Pool Blanco				Formation Mesa Verde		Unit San Juan 29-6	
Completion Date 10/27/75		Total Depth 6138		Plug Back TD 6100		Elevation 6773 GL	
Csg. Size 4.500		ID 10.5		Set At 6132		Perforations: From 5516 To 5998	
Tbg. Size 2.375		ID 4.7		Set At 5975		Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Gas - Single						Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L		H		Gg .660		% CO ₂ % N ₂ % H ₂ S	
Prover Orifice Meter						Meter Run 4"	
Taps Flange						County Rio Arriba	
State New Mexico						State	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X Orifice Size	p.s.i.g.	Diff.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.	4" X 2.500		104	8.50	75°	427		705		3hr
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Differential Meter	Pressure Meter Static	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							
2.	103.00	8.50	3.41	.9859	1.231	1.013	3670
3.							
4.							
5.							

NO.	P _i	Temp. °R	Gas Liquid Hydrocarbon Ratio _____ Mcf/lbl.
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 850 P _c ² 722500	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.4667$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.5406$
NO. P _i ² P _w ² P _w ² P _c ² - P _w ²		
1. 717 514089 208411		
2.		
3.		
4.		
5.		

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 9324$	
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Absolute Open Flow 9324 Mcfd @ 15.025	Angle of Slope θ Slope, n .75
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Remarks: Well produced trace of water and trace of condensate. Differential and static from L-10 chart. Coefficient from chart factor 3.162 & orifice factor of 32.64. Variable choke set at 48/64.