

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

Form C-122
 Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 8/19/75		SEP 5 1975 OIL CON. COM. DIST 3		
Company Northwest Pipeline Corporation			Connection New Completion						
Pool Basin			Formation Dakota			Unit San Juan 30-5			
Completion Date 8/12/75		Total Depth 7945'		Plug Back TD 7938'		Elevation 6409' GL		Farm or Lease Name San Juan 30-5 Unit	
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 7945'	Perforations: From 7794' To 7924'		Well No. 47			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 7900 KB	Perforations: From To		Unit Sec. Twp. Rge. L 17 30 5			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Gas-Single					Packer Set At None		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F @		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Cg .598	% CO ₂	% N ₂	% H ₂ S	Prover 3/4 Variable choke		Meter Run 4"	Taps flange

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
51	7 day SIP					2631		2633		7 day
1.	4 X 2.500		44		79°	224		572		3 hrs
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Meter Differential	Pressure Meter Static	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	103.00	5.85	3.1	.9822	1.293	1.002	2377
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 _____ XXXXXXXXXX	
3.					Specific Gravity Flowing Fluid _____ XXXXX	
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
5.					Critical Temperature _____ R _____ R	

P _c 2645 P _c ² 6996025				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		584	341056	6654969
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{6996025}{6654969}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0382$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2468$$

Absolute Open Flow 2468	Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 7.5
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Remarks: Differential and static reading from L-10 chart. Coefficient from L-10 chart factor of 3.162 and orifice factor 32.64. Well made approximately 3 bbls of water.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
			ROR