

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 5/19/83												
Company Northwest Pipeline Corporation					Connection New Completion												
Foot Basin					Formation Dakota					Unit San Juan 31-6							
Completion Date 05-04-83			Total Depth 7916'			Plug Back TD 7890'			Elevation 6350' KB			Farm or Lease Name San Juan 31-6 Unit					
Csg. Size 4.500		Wt. 11.6		d 4.052		Set At 7916'		Perforations: From 7775' To 7827'			Well No. #46						
Tq. Size 2.375		Wt. 4.7		d 1.995		Set At 7772'		Perforations: From To			Unit Sec. Twp. Rge. A 32 31 6						
Type Well - Single - Broadhead - G.G. 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		Gg est. .590		% CO ₂		% N ₂		% H ₂ S		Positive Choke		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	SIP						2530		2521		
1.	2"	X	.750"	180		70 ⁰	180	70 ⁰	705	70 ⁰	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		192	.991	1.302	1.012	2,408
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 2542 P _c ² 6461764			
NO.	P _t ²	P _w	P _w ² P _c ² - P _w ²
1		717	514089 5947675
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0864$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0642$$

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,562$$

Absolute Open Flow 2.562 Mcfd @ 15.025 Angle of Slope @ _____ Slope, n .75

Remarks: Produced light mist throughout test. Vented 389 MCF.

Approved By Commission:	Conducted By: Chik Charley	Calculated By: M.J. Turnbaugh	Checked By:
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skw