

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 2-10-82	
Company Northwest Pipeline Corporation				Connection New Completion		
Pool Basin				Formation Dakota		Unit San Juan 32-8
Completion Date 11-19-81		Total Depth 8078'		Plug Back TD 8059'		Elevation 6580'
Farm or Lease Name San Juan 32-8 Unit						
Csg. Size 5.500	Wt. 17.0	d 4.892	Set At 8078'	Perforations: From 7886' To 8052'		Well No. #11A DK
Tub. Size 1.900	Wt. 2.9	d 1.610	Set At 7880'	Perforations: From To		Unit Sec. Twp. Rge. I 21 31N 8W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Multiple Completion				Packer Set At 6020'		County San Juan
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 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							2508				SIP
1.	2"	X	.750"	162		64°	162				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		174	.9962	1.302	1.013	2196
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 2520	P _c ² 6350400	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0683$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0508$
NO.	P _t ²	P _w	P _w ²
1		637	405769
2		(calc.)	
3			
4			
5			

Absolute Open Flow 2308 Mcfd @ 15.025		Angle of Slope e _____		Slope, n .75
Remarks: Produced heavy mist of water throughout test. Vented 339 MCF.				
G1	1-e-s	FcQ ²	R ²	Pt ²
4649	.287	1306545	374978	30276
		405254		637 PSIG
Approved By Commission:		Conducted By: Fred S. Hamrick		Calculated By: S.K. Wilsey
				Checked By: <i>B. J. B.</i>

R 1R/cbw