

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 12/15/82				
Company Northwest Pipeline Corporation					Connection New Completion				
Pool Tapacito					Formation Pictured Cliffs				
Completion Date 10-12-82					Total Depth 4237'		Plug Back TD 4200'		Elevation 7263'
Farm or Lease Name Jicarilla 92					Well No. #11				
Csg. Size 2.875	Wt. 6.5#	d 2.441	Set At 4237'	Perforations: From 4078' To 4124'					
Tng. Size None	Wt.	d	Set At	Perforations: From To					
Type Well - Single - Brasshead - G.G. or G.O. Multiple Single - Tubingless Completion					Packer Set At None		County Rio Arriba		
Producing Thru Casing		Reservoir Temp. °F B		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	G _g .685	% 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	Shut-in Pressure										
1.	2"	X	.750"	82		58 ⁰			1067	82	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		94	1.002	1.208	1.009	1,103
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 1079	P _c ² 1164241	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0136$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0116$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		125	15625	1148616
2				
3				
4				
5				

AOFP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,116$

Absolute Open Flow	1,116	Mcfd @ 15.025	Angle of Slope @	Slope, n .85
--------------------	-------	---------------	------------------	--------------

Produced heavy mist of water with a trace of condensate. Vented 154 MCF.

Remarks:	GI	I-e-s	FcQ ²	R ²	Pt ²	Pt ² +R ²	Pw
	2,793	.184	37488	6898	8836	15734	125 PSIA

Approved By _____ Conducted By _____ Checked By _____