

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

Form C-122
Revised 9-1-65

RECEIVED
MARCH 6 1984
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 2/14/84	
Company Northwest Pipeline Corporation		Connection New Completion	
Pool Basin		Formation Dakota	
Completion Date 01/26/84		Total Depth 7929'	Plug Back TD 7917'
Elevation 6425' KB		Farm or Lease Name San Juan 30-5 Unit	
Csq. Size 4.500	Wt. 11.6	d 4.052	Set At 7929'
Perforations: From 7785' To 7830'		Well No. #89	
Tng. Size 2.375	Wt. 4.7	d 1.995	Set At 7801'
Perforations: From To		Unit Sec. Twp. Rge. H 19 30 5	
Type Well - Single - Brdhead - G.G. or G.O. Multiple Gas - Single		Packer Set At None	County Rio Arriba
Producing Thru Tubing	Reservoir Temp. °F a	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						2637		2637		
1.	2"	X	.750"			66°	228	65°	812	66°	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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		240	.994	1.302	1.017	3034
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 2649	P _c ² 7017201		
NO.	P _r ²	P _w	P _r ² - P _w ²
1		824	678976
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1071$$

$$ACF = C \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3275$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0793$$

Absolute Open Flow	3275	Mcf @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Produced heavy mist throughout test. Vented 464 MCF.

Approved By Commission:	Conducted By: Fred Hamrick	Calculated By: M.J. Turnbaugh	Checked By:
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