

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 07/24/85	
Company Northwest Pipeline Corporation		Connection New Completion	
Pool Basin		Formation Dakota	
Completion Date 10/26/84		Total Depth 8109'	Plug Back TD 8060'
		Elevation 6253' GR	Unit Rosa
Csg. Size 4.500	Wt. 11.6	d 4.052	Set At 8109'
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 7912'
Perforations: From 7766' To 8000'		Well No. #115 (DK)	
Perforations: From To		Unit Sec. Twp. Rge. H 22 31N 6W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Dual			Packer Set At 7240'
Producing Thru Tubing		Reservoir Temp. °F #	Mean Annual Temp. °F
		Baro. Press. - P _a 12.0	County Rio Arriba
L H Gg Est. .600		% CO ₂	% N ₂
		% H ₂ S	Positive Choke
		Meter Run	Taps
State New Mexico			

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						2770				
1.	2"	X	.750"			76°	112	76°			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 Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		124	.985	1.291	1.011	1531
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 2782	P _c ² 7739524			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		271	73441	7666083
2		(Calc.)		
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0096$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1542$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0072$$

Absolute Open Flow 1542 Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Produced light to medium mist throughout test. Vented 191 MCF.

G1 i-e-s	FcQ ²	R ²	Pt ²	R ² +Pt ²	Calc. Pw
4747	.279	207201	57809	15376	73185
					271 psia

Approved By Commission:	Conducted By: Chik Charley	Calculated By: S.K. Liese	Checked By: M.J. Turnbaugh
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