

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form G-122

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 08/18/94			
Company NORTHWEST PIPELINE CORPORATION						Connection WILLIAMS FIELD SERVICES			
Pool BLANCO						Formation PICTURED CLIFFS		Unit ROSA	
Completion Date 07/16/94		Total Depth		Plug Back TD		Elevation		Farm or Lease Name ROSA UNIT	
Casing Size		Weight	d	Set At	Perforations: From To		Well No. #32A		
Tubing Size		Weight	d	Set at	Perforations: From To		Unit F	Sec 21	Twp 31N
Type Well - Single - Bradenhead - GG or GO Multiple				Packer Set At			County RIO ARriba		
Producing Thru TUBING		Reservoir Temp. °F		Mean Annual Temp. °F		Barometer Pressure - P _a		State NEW MEXICO	
L	H	Gg	%CO ₂	%N ₂	%H ₂ S	Prover	Meter Run 2"	Taps	

FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Pressure p.s.i.g.	Temperature °F	Pressure p.s.i.g.	Temperature °F	Pressure p.s.i.g.	Temperature °F	Duration of Flow
SI	2" X 3/4"				1289		1289		0 HRS
1.					203	60	864		0.5 HRS
2.					142	80	681		1.0 HRS
3.					107	82	652		1.5 HRS
4.					102	83	643		2.0 HRS
5.					89	86	609		3.0 HRS

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_{LP}}$	Pressure P _t	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	9.604		101	.9759	1.270	1.010	1214
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 0.62 XXXXXX	
3.					Specific Gravity Flowing Fluid xxxxxx	
4.					Critical Pressure _____ p.s.i.a. p.s.i.a.	
5.					Critical Temperature _____ R R	

P _c 1301 P _c ² 1,692,601				
NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²
1.		621	385,641	1,306,960
2.				
3.				
4.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.295}{1.295 - 1.2458}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2458$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1512$

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.

Specific Gravity Separator GAS 0.62 XXXXXX

Specific Gravity Flowing Fluid xxxxxx

Critical Pressure _____ p.s.i.a. p.s.i.a.

Critical Temperature _____ R R

Absolute Open Flow 1512 Mcfd @ 15.025		Angle of Slope ° _____		Slope, n .85	
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Remarks: WET GAS THRU TEST			
Approved By Commission:	Conducted By: C. CHARLEY	Calculated By: STERGIE KATIRGIS	Checked By: