

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

Form C-122

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date AUGUST 25, 1995			
Company Williams Production Company				Connection					
Pool Blanco				Formation Mesaverde				Unit Rosa	
Completion Date 8-11-95		Total Depth 6042'		Plug Back TD 6016'		Elevation 6302'		Farm or Lease Name	
Casing Size		Weight d		Set At		Perforations: From To		Well No. 153	
Tubing Size		Weight d		Set at		Perforations: From To		Unit Sec Twp Rng O 17 31N 5W	
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		G _q .6		%CO ₂		%N ₂	
						%H ₂ S		Prover 3/4"	
								Meter Run	
								Taps	

FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line	X Orifice Size	Pressure p.s.i.q.	Temperature °F	Pressure p.s.i.q.	Temperature °F	Pressure p.s.i.q.	Temperature °F	Duration of
SI		2" X 3/4"			1168		1169		0
1.					377	64°	1002		0.5 hr
2.					354	68°	926		1.0 hr
3.					342	71°	871		1.5 hrs
4.					328	73°	842		2.0 hrs
5.					304	74°	784		3.0 hrs

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_v P_m}$	Pressure P _m	Flow Temp. Factor	Gravity Factor	Super Compress.	Rate of Flow
1.	9.604		316	.9868	1.29	1.039	4.014
2.							
3.							
4.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deq.
2.					Specific Gravity Separator _____ XXXXXX
3.					Specific Gravity Flowing Fluid xxxxx _____
4.					Critical Pressure _____ p.s.i.a. _____ p.s.i.a.
5.					Critical Temperature _____ R _____ R

NO.	P ₁	P _v	P _v ²	P ₁ ² - P _v ²	
1.		796	633616	761145	
2.					
3.					
4.					

(1) $\frac{P_1^2}{P_1^2 - P_v^2} = \frac{1.8325}{1.8325 - 1.5750}$ (2) $\frac{P_1^2}{P_1^2 - P_v^2} = \frac{1.5750}{1.8325 - 1.5750}$				
AOF = Q $\left[\frac{P_1^2}{P_1^2 - P_v^2} \right] = 6322$				

Absolute Open Flow 6322 Mcfd @ 15.025		Angle of Slope °		Slope, n .75	
---	--	------------------	--	-----------------	--

Remarks:			
Approved By Commission:		Conducted By:	
Calculated By: Susan Griguin		Checked By:	