

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 24, 1995	
Company Williams Production Company					Connection						
Pool Blanco					Formation Mesaverde					Unit Rosa	
Completion Date 8-04-95		Total Depth 8180'		Plug Back TD 8171'		Elevation 6431'		Farm or Lease Name			
Casing Size		Weight d		Set At		Perforations: From To		Well No. 15A			
Tubing Size		Weight d		Set at		Perforations: From To		Unit Sec Twp Rng I 29 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	Gg .6	%CO ₂		%N ₂		%H ₂ S	Prover 3/4"	Meter Run	Taps	

FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover X Line	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
SI		2" X 3/4"			878		879		0
1.					117	56°	822		0.5 hr
2.					112	58°	793		1.0 hr
3.					108	59°	775		1.5 hrs
4.					108	60°	767		2.0 hrs
5.					107	61°	748		3.0 hrs

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor	Gravity Factor	Super Compress.	Rate of Flow
1.	9.604		119	.9990	1.29	1.012	1.491
2.							
3.							
4.							

NO.	P _i	Temp. °R	T _i	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 _i ²	P _w	P _w ²	P _i ² - P _w ²
1.		760	577600	216,281
2.				
3.				
4.				

P _i 891 P _w 793881 DIST. 3					(1) $\frac{P_i^2}{P_i^2 - P_w^2} = 3.6706$ (2) $\frac{[P_i^2 - P_w^2]}{[P_i^2 - P_w^2]} = 2.6519$
AOF = Q $\left[\frac{P_i^2}{P_i^2 - P_w^2} \right] = 3954$					

Absolute Open Flow 3954 Mcfd @ 15.025		Angle of Slope °		Slope, n .75	
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Remarks:			
Approved By Commission:		Conducted By:	
Calculated By: Susan Griguin		Checked By:	