

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 Sept 17, 1995											
Company Williams Production Company						Connection											
Pool Blanco						Formation Mesaverde											
Unit Rosa						Unit Rosa											
Completion Date 9-02-95			Total Depth 6060'			Plug Back TD 6037'			Elevation 6458'			Farm or Lease Name					
Casing Size			Weight d			Set At			Perforations: From To			Well No. 151					
Tubing Size			Weight d			Set at			Perforations: From To			Unit Sec Twp Rng C 33 32N 6W					
Type Well - Single - Bradenhead - GG or GO Multiple						Packer Set At						County San Juan					
Producing Thru Tubing			Reservoir Temp. °F			Mean Annual Temp. °F			Barometer Pressure - P_a			State New Mexico					
L		H		G_g .6		%CO₂		%N₂		%H₂S		Prover 3/4"		Meter Run		Taps	

FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover X Line	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"			1040		1040		0
1.					398	64°	901		0.5 hr
2.					377	67°	858		1.0 hr
3.					357	69°	827		1.5 hrs
4.					318	70°	813		2.0 hrs
5.					289	71°	790		3.0 hrs

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	q _h P _m	Pressure P _m	Flow Temp. Factor	Gravity Factor	Super Compress.	Rate of Flow
1.	9.604		301	.9896	1.29	1.041	3.842
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 _i ¹	P _w	P _w ²	P _c ² - P _w ²	
1.		802	643204	463500	
2.					
3.					
4.					

P_c 1052 P_c² 1106704

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{2.3877}{1.9208}$ (2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9208$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7380$

RECEIVED
SEP 21 1995

Absolute Open Flow 7380 Mcfd @ 15.025		Angle of Slope °		Slope, n .75	
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Remarks: VERY LITE MIST			
Approved By Commission:		Conducted By:	
Calculated By: Susan Griguhn		Checked By:	