NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised

X Initial	☐ Annual	☐ Special	Test Date: 9-10-75

Operator: Caulkins Oil Company	Connection	
Pool: South Blanco	Formation: Pictured Cliffs	Unit

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
8-30-75	4050	4050	6623	Sanchez

Csg. Size	Wt.	d	Set At	Perforations	Well No.
4 1/2	10.5	4.052	4050	From 2906 To 2978	5

Tbg. Size	Wt.	d	Set At	Perforations	Unit	Sec.	Twp.	Rge.
1"	1.7	1.049	2873	From None To	M	25	26N	6W

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
GG Dual	3744	Rio Arriba

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tubing	@			New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI	7 days				788		800		
1.					24		520		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, Fpv	Rate of Flow Q, Mcfd
1	14.1605		36	1.000	1.000	1.000	509
2							
3							
4							
5							

NO.	P_r	Temp. °R	T_r	Z
1				
2				
3				
4				
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXXXXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

SEP OIL CON DIST.

P_c 812 P_c^2 659,344

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		532	283,024	376,320
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.83$ (3) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.4210$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1232$

Absolute Flow 1232 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By: