STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 10-02-80

Company: Caulkins Oil Company	Connection:		
Pool: Basin Dakota	Formation: Basin Dakota	Unit:	
Completion Date: 9-25-80	Total Depth: 7389	Plug Back TD: 7389	Elevation: 6465
Farm or Lease Name: Breech A			
Csg. Size: 7" & 4½" / Wt.: 23# 11.6 / d: 6.366 4.000 / Set At: 6591 / Perforations: From 7114 To 7342			Well No.: 204E
Tbg. Size: 2 3/8" / Wt.: 4.7 / d: 1.991 / Set At: 7216 / Perforations: From 7216 To			Unit: L / Sec.: 9 / Twp.: 26N / Rge.: 6W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas-Gas Multiple		Packer Set At: 5322	County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: State: New Mexico

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

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI							1971		PKR		7 Days
1.							223		PKR		3 Hours
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		235	1.000	1.000	1.000	3,327
2.							
3							
4.							
5.							

NO.	P_t	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 XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1983 P_c^2 3,932,289

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	55,225	585	341,916	3,590,371
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.095$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0706$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3,562$

Absolute Open Flow 3,562 Mcfd @ 15.025 — Angle of Slope θ 75 — Slope, n _____

Remarks: _____

Approved by Division — Conducted By: