OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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: 4-30-93	
Company: Caulkins Oil Company		Connection:		
Pool: Basin Fruitland Coal		Formation: Fruitland Coal		Unit:
Completion Date: 4-23-93	Total Depth: 3220'	Plug Back TD: 3212'	Elevation: 6734 GR	Farm or Lease Name: Breech "C"
Csg. Size: 5 1/2" / Wt.: 15.50 / d: 4.950 / Set At: 3212'		Perforations: From 2924' To 3110'		Well No.: 324
Tbg. Size: 2 3/8" / Wt.: 4.70 / d: 1.995 / Set At: 3102'		Perforations: From 3102' To		Unit: N / Sec.: 14 / Twp.: 26N / Rge.: 6W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At:		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				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						245		260		7 days
1.						78		220		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					1.000	1.000	1,274
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 272 P_c^2 73,984

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	8,100	232	53,824	20,160
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.670$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.020$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3,847$

Absolute Open Flow 3,847 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:

RECEIVED
MAY 05 1993
OIL CON. DIV.
DIST. 3