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

SEP 28 1984
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 9-26-84
Company: Caulkins Oil Company				Connection:
Pool: Basin Dakota				Formation: Dakota
Completion Date: 9-19-84	Total Depth: 7775'		Plug Back TD: 7775'	Elevation: 6743 Gr
Csg. Size: 5 1/2"	Wt. 17# 15.5 &	d 4.950 4.892	Set At: 7775'	Perforations: From 7548' To 7760'
Tbg. Size: 1 1/2"	Wt.: 2.9#	d: 1.900	Set At: 7741'	Perforations: From 7741' To
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Gas Multiple			Packer Set At: 5786'	
Producing Thru: Tubing	Reservoir Temp. °F:		Mean Annual Temp. °F:	Baro. Press. – P_a:

Farm or Lease Name	Well No.	Unit	Sec.	Twp.	Rge.
Breech "E"	118-E	E	1	26N	6W

County	State
Rio Arriba	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					1657		PKR		7 Days
1.					88		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		100	1.000	1.000	1.000	1465
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 1669 P_c^2 2,785,561

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1	10,000		190,281	2,595,280
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0733$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0545$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,545$

Absolute Open Flow 1,545 Mcfd @ 15.025 Angle of Slope θ 75 Slope, n _____

Remarks: _____

Approved by Division | Conducted by: | Calculated by: | Checked by: