OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY & MINERALS DEPARTMENT

2040 South Pacheco
Santa Fe, New Mexico 87505

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVED
DEC - 9 1998
OIL CON. DIV.
DIST. 3

Type of Test: X Initial ___ Annual ___ Special							Test Date: 11-18-98		
Company: CAULKINS OIL COMPANY				Connection				Unit	
Pool: Basin Dakota				Formation: Dakota					
Completion Date: 11-11-98		Total Depth: 7635'		Plug Back TD: 7623'		Elevation: 6612 GR		Farm or Lease Name: Breech F	
Csg. Size: 7"	Wt.: 26# & 23#	d:	Set At: 7623'	Perforations From: 7388'		To: 7557'		Well No.: 1-F	
Tbg. Size: 2 3/8"	Wt.: 4.7#	d: 1.911	Set At: 7544'	Perforations From:		To:		Unit: K	Sec.: 33	Twp.: 27N	Rge.: 6W
Type Well – Single – Bradenhead – G.C. or G.O. Multiple: G. O. Multiple				Packer Set at: 6927'				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	Tape	

	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		3/4"				1100		PKR.		7 day SI
1.						80		PKR.		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		92	1.000	1.000	1.000	1303
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 ___
Specific Gravity Flowing Fluid ___
Critical Pressure ___ P.S.I.A. ___ P.S.I.A.
Critical Temperature ___ R ___ R

P_c 1112 P_c^2 1,236,544

No.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.	8464	154	23,922	1,212,622
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.020$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.01496$

$AOF = Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1322$

Absolute Open Flow 1322 Mcfd @ 15.025 | Angle of Slope 75 | Slope, n ___

Remarks: ___

Absolute By Division	Conducted By:	Calculated By:	Checked By: