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

OCT 1982
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 10-4-82	
Company: Caulkins Oil Company		Connection:			
Pool: Blanco Mesa Verde		Formation: Mesa Verde		Unit: A	
Completion Date: 9-27-82	Total Depth: 7482	Plug Back TD: 7467	Elevation: 6520	Farm or Lease Name: Breech C	
Csg. Size: 4 1/2" / Wt.: 11.6 / d: 4.000 / Set At: 7482		Perforations: From 5155 To 5402		Well No.: 248 M	
Tbg. Size: 1 1/4" / Wt.: 2.3 / d: 1.380 / Set At: 5196		Perforations: From 5196 To		Unit: A / Sec.: 13 / Twp.: 26N / Rge.: 6W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Gas Multiple		Packer Set At: 5628		County: Rio Arrib	
Producing Thru	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

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					1213		1215		7 Days
1.					33		251		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		45	1.000	1.000	1.000	637
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 1237 P_c^2 1,530,169

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		263	69,169	1,461,000
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.047$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.035$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 659$

Absolute Open Flow 659 Mcfd @ 15.025 Angle of Slope θ 75 Slope, n _____

Remarks: _____

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