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: 10-17-80	
Company: Caulkins Oil Company		Connection:			
Pool: Basin Dakota		Formation: Dakota		Unit:	
Completion Date: 10-03-80	Total Depth: 7275	Plug Back TD: 7275	Elevation: 6425	Farm or Lease Name: State A	
Csg. Size: 7" / Wt.: 23# & 26# / d: 6.366 / Set At: 7275		Perforations: From 7020 To 7228		Well No.: 268E	
Tbg. Size: 2 3/8" / Wt.: 4.7 / d: 1.991 / Set At: 7153		Perforations: From 7153 To		Unit: P / Sec.: 16 / Twp.: 26N / Rge.: 6W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Gas Multiple		Packer Set At: 5203		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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	3/4"				1803		PKR		7 Days
1.					161		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		173	1.000	1.000	1.000	2,450
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 1815 P_c^2 3,294,225

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	29,929	213	45,416	3,248,809
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.014$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.010$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2,476$

Absolute Open Flow 2,476 Mcfd @ 15.025 | Angle of Slope θ 75 | Slope, n

Remarks:

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

RECEIVED
OIL CON. COM.
DIST. 3