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: 10-03-80	
Company: Caulkins Oil Company			Connection:		
Pool: Basin Dakota			Formation: Dakota		Unit:
Completion Date: 8-26-80	Total Depth: 7446		Plug Back TD: 7446	Elevation: 6491	Farm or Lease Name: Breech A
Csg. Size: 7 5/8 & 4½ / Wt.: 26.40 / 11.6 / d: 6.969 / 4.000	Set At: 6635		Perforations: From 7146 To 7376		Well No.: 136E
Tbg. Size: 2 3/8 / Wt.: 4.7 / d: 1.991	Set At: 7340		Perforations: From 7340 To		Unit: O / Sec.: 10 / Twp.: 26N / Rge.: 6W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Gas Multiple			Packer Set At: 5630		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

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						1293		PKR		7 Days
1.						53		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		65	1.000	1.000	1.000	920 MCFPD
2.							
3							
4.							
5.							

NO.	P_t	Temp. °R	T_t	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 XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

OCT 2 [illegible]
OIL CONSERVATION DIVISION

P_c 1305 P_c^2 1,703,025

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1	4,225	162	26,446	1,676,579
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.016$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.012$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 931$

Absolute Open Flow 931 Mcfd @ 15.025 | Angle of Slope θ 75 | Slope, n

Remarks:

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