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: 4-25-80	
Company: Pioneer Production Corp.		Connection:			
Pool: Basin		Formation: Dakota			Unit:
Completion Date: 4-22-80	Total Depth: 6575'	Plug Back TD: 6530'	Elevation: 5714' GL		Farm or Lease Name: Cooper
Csg. Size: 4-1/2" / Wt.: 10.5# / d: / Set At: 6575' RKB		Perforations: From 6313 To 6430			Well No.: 1E
Tbg. Size: 1-1/4" / Wt.: 2.3# / d: / Set At: 6224' RKB		Perforations: From Open To End			Unit: F / Sec.: 7 / Twp.: 29 / Rge.: 11
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Gas		Packer Set At:			County: San Juan
Producing Thru: tbg	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a:		State:
L	H	Gg	% CO_2	% N_2	% H_2S / Prover / Meter Run / Taps

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI							1450		1450		7 days
1.											
2.							250		570		8 hrs
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							
2.							360
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1462 P_c^2 2,137,444

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3		582	338724	1798720
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1883$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1381$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 410$

Absolute Open Flow 410 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

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