3 - NMOCD 2 - Pioneer 1 - EPNG (Clark) 1 - File

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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: [XX] Initial [ ] Annual [ ] Special				Test Date: 2-6-81	
Company: Pioneer Production Corp.		Connection:			
Pool: Basin Dakota		Formation: Dakota			Unit:
Completion Date: 12-22-80	Total Depth: 6334'	Plug Back TD: 6239'	Elevation: 5624' GL		Farm or Lease Name: Lucerne B
Csg. Size: 4½" / Wt.: 11.6# / d: / Set At: 6348' RKB		Perforations: From 6031	To 6200		Well No.: #1E
Tbg. Size: 1¼" / Wt.: 2.3# / d: / Set At: 5927' RKB		Perforations: From	To		Unit: M / Sec.: 17 / Twp.: 28N / Rge.: 11W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: single		Packer Set At:			County: San Juan
Producing Thru: tbg.	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a:		State: NM

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							840 SI		840 SI		7 days
1.											
2.											
3.	2"	x	3/4"	33			200		585		8 hrs.
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.							
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

NO	P_t*	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3				
4				
5				

P_c _____ P_c^2 _____

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

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 886

Absolute Open Flow 886 CAOF Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: _____

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

RECEIVED
MAR 13 1981
OIL CON. COM.
DIST. 3