3 NMOCD 2 Pioneer 1 EPNG 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: [X] Initial [ ] Annual [ ] Special				Test Date: 6-7-81	
Company: Pioneer Production Corp.		Connection:			
Pool: Undesignated Chacra		Formation: Chacra		Unit:	
Completion Date: 6-13-81	Total Depth: 6152'	Plug Back TD: 6090'	Elevation: 5396' GL	Farm or Lease Name: Hartman	
Csg. Size: 4½" / Wt.: 11.6# / d: 4.000 / Set At: 6140'		Perforations: From 2541 To 2548		Well No.: 1E	
Tbg. Size: 1¼" / Wt.: 2.3# / d: 1.380 / Set At: 2436'		Perforations: From open end To		Unit: F / Sec.: 31 / Twp.: 29N / Rge.: 11W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G/G Dual		Packer Set At: 4200' RKB		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						180		760		
1.										
2.										
3.		2"				10		425		24 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	Pitot tube						1434
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 XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXXXXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

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NOV 17 1981
OIL CON. COM.
DIST. 3

P_c 772 P_c^2 595,984

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3		437	190,969	405,015
4				
5				

(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.47$

(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2}\right]^n = 1.389$

AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2}\right]^n = 1991$

Absolute Open Flow 1991 Mcfd @ 15.025 Angle of Slope θ .85 Slope, n _____

Remarks: _____

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