

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

RECEIVED
MAR 01 1984
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 2-23-84	
Company Minel Inc.				Connection El Paso Natural Gas Co.	
Pool Tapacito				Formation Pictured Cliffs	
Completion Date 2-16-84		Total Depth 4000		Plug Back TD 3972	
Elevation 7277 GL		Farm or Lease Name PPC		Well No. 1.R	
Csg. Size 2.875	Wt. 6.5	d 2.441	Set At 3982	Perforations: From 3822 To 3878	
Trg. Size Slim	Wt. hole	d	Set At	Perforations: From To	
Type Well - Single - Drdhead - G.C. or G.O. Multiple Single				Packer Set At None	
Producing Thru		Reservoir Temp. °F #		Baro. Press. - P _g 12 psia (est)	
County Rio Arriba		State New Mexico		Meier Run Taps	
L	H	G _g .650	% CO ₂	% N ₂	% H ₂ S

FLOW DATA

TUBING DATA

CASING DATA

Duration
of
Flow

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	7 days								740		
1.	2 inch	.500	12						12	50	3 hrs
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	5.4315		24	1.0098	.9608	1.008	127
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas-Liquid Hydrocarbon Ratio _____ Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
1					Specific Gravity Separator Gas _____	XXXXXXX
2.					Specific Gravity Flowing Fluid _____	XXXXX
3.					Critical Pressure _____ P.S.I.A.	P.S.I.A.
4.					Critical Temperature _____ R	R
5.						

$P_c = 752$					$P_c^2 = 565504$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0011968$					$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.00102$				
NO	P_t^2		P_w		P_w^2		$P_c^2 - P_w^2$		$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 127$										
1			26		676		564828												
2																			
3																			
4																			
5																			

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 127$$

Absolute Open Flow 127 Mcfd @ 15.025 Angle of Slope 0 Slope, n .85

Remarks: Completely dry gas throughout test

Approved By Division	Conducted By: Joe Elledge	Calculated By: Brent Elledge	Checked By: Curtis J. Little
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