

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11-22-82			
Company Minel Inc.				Connection El Paso					
Pool Tapacito				Formation Pictured Cliff				Unit	
Completion Date 11-29-82		Total Depth 3922		Plug Back TD 3915		Elevation 7319		Farm or Lease Name Cayias	
Csg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 3921	Perforations: From 3858 To 3886		Well No. #1			
Tub. Size	Wt. Slim	d Hole	Set At	Perforations: From To		Unit Sec. Twp. Rye. G 2 25 3			
Type Well - Single - Dradhead - G.C. or G.O. Multiple Single						Packer Set At None		County Rio Arriba	
Producing Thru Casing		Reservoir Temp. °F •		Mean Annual Temp. °F		Baro. Press. - P _a 12 psia		State New Mexico	
L	H	G _g .650 est	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

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
SI	7 days								754		
1.	2 inch	.750		49					49		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		61	1.000	.9608	1.002	726
2.							
3.							
4.							
5.							

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

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	766	80	6433	580323	1.01109	1.00941
2						
3						
4						
5						

Absolute Open Flow _____ Mcfd @ 15.025				Angle of Slope θ _____	
Remarks: Slight show of oil and mist of water.					

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