

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

RECEIVED

JUL 22 1982

OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7/20/82	
Company DUGAN PROD CORP		Connection	
Pool BALLARD		Formation PICTURED CLIFFS	
Completion Date JULY 13, 1982		Total Depth 2367	Plug Back TD 2310
Elevation 6648		Form or Lease Name Boomer	
Well No. 1			
Csg. Size 2 3/4	Wt. 6.5	Set At 2367	Perforations: From 2124 To 2223
Tub. Size 1 1/4	Wt. 2.4	Set At 2220	Perforations: From To
Type Well - Single - Blindhead - G.G. or G.O. Multiple		Packer Set At	
Producing thru Tubing		Baro. Press. - P _a	
Reservoir Temp. °F #		Mean Annual Temp. °F	
L		H	
G _g 0.62		% CO ₂	% N ₂
Prover		Meter Run	
Taps		County Rio Arriba	
State New Mexico			

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F		
SI						620	620		
1.									
2.									
3.	2	1/2	63		60		130		
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 _{sp}	Rate of Flow Q, Mcfd
1.							
2.							
3.	5.4315		75	1.000	0.9837	1.000	401
4.							
5.							

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

NO.	P _i	P _w	P _r	P _e - P _r	(1) $\frac{P_e^2}{P_i^2 - P_w^2}$	(2) $\left[\frac{P_e^2}{P_i^2 - P_w^2} \right]^n$
1.						
2.						
3.						
4.						
5.						

Absolute Open Flow		Mcfd @ 15.025	Angle of Slope θ	Slope, n
419				0.85

Approved by Division	Conducted By	Calculated By	Checked By
	Eric Eckelberg	Eric Eckelberg	