

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7-1-76				
Company Dugan Production Corp.				Connection					
Pool WAW - Pictured Cliffs				Formation Pictured Cliffs				Unit	
Completion Date 6-22-76		Total Depth 1450'		Plug Back TD		Elevation 6187' GR		Farm or Lease Name Thomas Jefferson	
Csg. Size 2-7/8"	Wt. 6.4#	d	Set At 1426'	Perforations: From 1346' To 1366'			Well No. 2		
Tbg. Size 1-1/4"	Wt. 2.3#	d	Set At 1381'	Perforations: From Open To Ended			Unit Sec. Twp. Rge. M 34 27N 13W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas					Packer Set At		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	
		.62							

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							142		227		7 days
1.											
2.											
3.	5/8" Pos Choke						2	70°	16		3 hrs
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.							
2.							
3.	8.5417		14	9905	1.000	1.000	116
4.							
5.							

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

P _c 239	P _c ² 57,121	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0139$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0117$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1.				
2.				
3.		28	784	56,337
4.				
5.				

Absolute Open Flow 117 Mcfd @ 15.025		Angle of Slope θ	Slope, n .85
Remarks:			
Approved By Commission:			
Conducted By: Charles Hall		Calculated By: Charles Hall	
Checked By:			