

- MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-28-83			
Company Dugan Production Corp.						Connection			
Pool WAW - P.C. - Fruitland						Formation Pictured Cliffs			
Completion Date 12-20-83		Total Depth 1464'		Plug Back TD 1403'		Elevation 6060' GL		Farm or Lease Name Rex	
Csq. Size 2-7/8"	Wt. 6.5#	d 2.441	Set At 1461'	Perforations: From 1327' To 1340'		Well No. 3J			
Tbg. Size 1-1/2"	Wt. 2.75#	d 1.610	Set At 1340'	Perforations: From Open End To		Unit Sec. Twp. Rge. C 18 27N 13W			
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Single						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 .62 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							165		165		7 days
1.											
2.											
3.	1/2" Pos. Choke			12		42°			22		3 hours
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.	5.4315		24	1.018	.9837	1.000	131
4.							
5.							

NO.	P _t	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 _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0383$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0325$
1.						
2.						
3.		34	1156	30,173		
4.						
5.						

Absolute Open Flow 135 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Division	Conducted By: Brown	Calculated By: Jacobs	Checked By:
----------------------	------------------------	--------------------------	-------------