

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 8-15-77			
Company Dugan Production Corp.				Connection				
Pool Ojo Pictured Cliffs				Formation Pictured Cliffs				Unit
Completion Date 7-18-77		Total Depth 548'		Plug Back TD 548'		Elevation 5641' GR		Farm or Lease Name Pet Inc
Csg. Size 2-1/2"	Wt. 5.9#	d	Set At 548'	Perforations: From 526' To 548'			Well No. 12	
Tbg. Size 1-1/4"	Wt. 2.3#	d	Set At 530'	Perforations: From Open End To			Unit Sec. Twp. Rge. C 35 28N 15W	
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							95		100		7 days
1.											
2.											
3.	5/8" Pos Choke						5	74°	19		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		17	.9868	.9837	1.000	140
4							
5							

NO.	P _t	Temp. °R	T _t	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

P _c 112	P _c ² 12,544				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0829$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0704$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1						
2						
3		31	961	11,583	ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 149$	
4						
5						

Absolute Open Flow 149 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .85
Remarks: _____			
Approved By Commission:		Conducted By: Charles Hall	Calculated By: Charles Hall
		Checked By:	