

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special										Test Date 7/1/82	
Company Dugan Production Corp.					Connection						
Pool Ojo					Formation Pictured Cliffs					Unit	
Completion Date June 21, 1982			Total Depth 565'		Plug Back TD		Elevation		Farm or Lease Name Pet Inc.		
Ceq. Size 2 7/8"		Wt. 6.4#		Set At 565'		Perforations From 533' To 565'		Well No. 16			
Tbg. Size 1 1/2"		Wt. 2.4#		Set At 528'		Perforations From --- To ---		Unit I 35		Twp. Rge. 28N 15W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single							Packer Set At 531'		County San Juan		
Producing Thru Tbg.			Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico		
L		H		G _g .62		% 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							61		61		7 days
1.	1/2"						3	69°	20		3 hrs.
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	5.4315		15	.9915	.9837	1.000	79.5
2.							
3.							
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	XXXXXX XXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	°R

P _c 73	P _c ² 5329	(1) $\frac{P_c^2}{P_e^2 - P_w^2} = 1.24$	(2) $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 1.20$
NO. 1	P _t ² 32	P _w ² 1024	P _e ² - P _w ² 4305
2.			
3.			
4.			
5.			

$AOF = Q \cdot \left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 95.3$

Absolute Open Flow 95	Mcf @ 15.025	Angle of Slope 40%	Slope, n .85
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Remarks: Dry Gas!

Approved By Division	Conducted By:	Calculated By:	Checked By:
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