

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 7-23-77			
Company Dugan Production Corp.				Connection					
Pool Ojo Pictured Cliffs				Formation Pictured Cliffs				Unit	
Completion Date 7-16-77		Total Depth 628'		Plug Back TD 628'		Elevation 5641' GR		Farm or Lease Name Pet Inc	
Csg. Size 3-1/2"	Wt. 7.7#	d	Set At 628'	Perforations: From 581' To 628'				Well No. 13	
Tbg. Size 1-1/4"	Wt. 2.3#	d	Set At 597'	Perforations: From Open End To				Unit Sec. Twp. Rge. I 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 _g		State New Mexico	
L	H	G _g	% 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							59		59		7 days
1.											
2.											
3.	5/8" Pos Choke						10	70°	34		3 hrs
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							
2							
3	8.5417		22	.9905	.9837	1.000	183
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) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7234$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n \cdot 85} = 1.5882$
1						
2						
3		46	2,116	2,925	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 290$	
4						
5						

Absolute Open Flow 290 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .85
Remarks: _____			
Approved By Commission:		Conducted By: Charles Hall	Calculated By: Charles Hall
		Checked By: _____	