

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

Form G-122
Revised 9-1-65

RECEIVED

NOV 7 1972

OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10-24-72			
Company Dugan Production Corp.				Connection			
Pool Undesignated P.C.				Formation Pictured Cliffs		Unit	
Completion Date 10-10-72		Total Depth 578		Plug Back TD 578		Elevation 5605 GR	
Farm or Lease Name Pet. Inc.				Well No. 3			
Csg. Size 2 7/8" O.D.	Wt. 5.9#	d	Set At 572	Perforations: From 560 To 578		Unit Sec. Twp. Rge. P 26 28N 15W	
Thg. Size	Wt.	d	Set At	Perforations: From To			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At		County San Juan	
Producing Thru		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a	
State New Mexico							
L	H	Gg	% 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									105		<i>7 days</i>
1.											
2.											
3.	5/8" Pos. Choke			8		600					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		20	1.000	.9837	1.000	168
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 117 P _c ² 13,689					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0301$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0255$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²				
1								
2								
3			400	13,289				
4								
5								

Absolute Open Flow 172 _____ Mcfd @ 15.025					Angle of Slope ϕ _____		Slope, n .85	
Remarks: _____								
Approved By Commission:			Conducted By: Jim L. Jacobs			Calculated By: Jim L. Jacobs		
						Checked By:		