

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

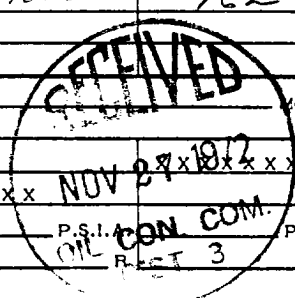
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11-7-72	
Company Dugan Production Corp.			Connection		
Pool Wildcat P.C.			Formation Pictured Cliffs		Unit
Completion Date 10-24-72		Total Depth 760		Elevation 5709 GR.	
Farm or Lease Name Pet. Inc.		Well No. 7			
Csg. Size 5"	Wt. 11.5#	d 4.560	Set At 739	Perforations: Open Hole From 739 To 760	
Tbg. Size 1"	Wt. 1.80#	d 1.049	Set At 755	Perforations: From Open End To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At	
Producing Thru 769		Reservoir Temp. °F @		Baro. Press. - P _a	
State New Mexico		County San Juan			
L	H	G _g .60 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							129		129		7 days
1.											
2.											
3.	5/8" pss choke		7			60°			50		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3	8.5417		19	1.000	1.000	1.000	162
4							
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	ct/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2					Specific Gravity Separator Gas	
3					Specific Gravity Flowing Fluid	
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	°R



NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n^{.85}} =$
1						
2						
3	62	2041	16,037		1.240	1.2006
4						
5						

Absolute Open Flow <u>194</u> Mcfd @ 15.025 Angle of Slope <u>°</u> Slope, n <u>.85</u>			
Remarks: <u>Very dry throughout test.</u>			
Approved by Commission:		Conducted By: <u>Jacobs</u>	
Calculated By: <u>Jacobs</u>		Checked By:	