

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 530'		Plug Back TD 530'		Elevation 5578' GR		Farm or Lease Name Pet Inc	
Csg. Size 3-1/2"	Wt. 7.7#	d	Set At 530'	Perforations: From 504' To 530'				Well No. 11	
Tbg. Size 1-1/4"	Wt. 2.3#	d	Set At 495'	Perforations: From Open End To				Unit Sec. Twp. Rge. K 26 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	Gg .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							88		88		7 days
1.											
2.											
3.	1/2" Pos Choke						1	84°	20		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	5.4315		13	.9777	.9837	1.000	67
4							
5							

NO.	P _r	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

P _c 100 P _c ² 10,000			
NO.	P _r ²	P _w	P _w ²
1			
2			
3	32	1,024	8,976
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1140$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n.85} = 1.0960$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 73$$

Absolute Open Flow 73 Mcfd @ 15.025		Angle of Slope θ	Slope, n .85
Remarks:			

Approved By Commission:	Conducted By: Charles Hall	Calculated By: Charles Hall	Checked By:
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