

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 8-15-77			
Company Dugan Production Corp.				Connection					
Pool Ojo Pictured Cliffs				Formation Pictured Cliffs				Unit	
Completion Date 7-18-77		Total Depth 736'		Plug Back TD 736'		Elevation 5709' GR		Farm or Lease Name Pet Inc	
Csg. Size 2-1/2"	Wt. 5.9#	d	Set At 735'	Perforations: From 702' To 735'		Well No. 15			
Tub. Size 1-1/4"	Wt. 2.3#	d	Set At 720'	Perforations: From Open End To		Unit J	Sec. 36	Twp. 28N	Rge. 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 ø		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							60		70		7 days
1.											
2.											
3.	1/2" Pos Choke						4	68°	39		3 hrs
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							
2							
3	5.4315		16	.9924	.9837	1.000	84
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 82	P _c ² 6,724	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6308$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5154$	
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3		51	2,601	4,123
4				
5				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 127$

Absolute Open Flow _____ 127 _____ Mcfd @ 15.025	Angle of Slope ø _____	Slope, n _____ .85
Remarks: _____		

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