

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 683'		Plug Back TD 683'		Elevation 5659' GR		Farm or Lease Name Pet Inc	
Csg. Size 3-1/2"	Wt. 7.7#	d	Set At 683'	Perforations: From 639' To 683'				Well No. 14	
Thg. Size 1-1/4"	Wt. 2.3#	d	Set At 651'	Perforations: From Open End To				Unit Sec. Twp. Rge. K 36 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							65		65		7 days
1.											
2.											
3.	1/2" Pos Choke						2	68°	44		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		14	.9924	.9837	1.000	74
4							
5							

NO.	P _t	Temp. °R	T _f	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 77	P _c ² 5,929	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1228$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{n \cdot 85} = 1.8961$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3		56	3,136	2,793
4				
5				

Absolute Open Flow 140 _____ Mcfd @ 15.025		Angle of Slope θ _____ 85
Remarks: _____		
Approved By Commission:	Conducted By: Charles Hall	Calculated By: Charles Hall
Checked By:		