3-NMOCC (Aztec) 1-File

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] 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: 650'	Plug Back TD: 650'	Elevation: 5638' GR	Farm or Lease Name: Pet Inc	
Csg. Size: 3-1/2" / Wt.: 7.7# / d: / Set At: 650'		Perforations: From 627' To 650'		Well No.: 18	
Tbg. Size: 1-1/4" / Wt.: 2.3# / d: / Set At: 613'		Perforations: From Open End To		Unit: F / Sec.: 25 / 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: @	Mean Annual Temp. °F:	Baro. Press. – P_a:	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.62						

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI					82		82		7 days
1.									
2.									
3.	1/2" Pos Choke				7	76°	21		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		19	.9850	.9837	1.000	99
4.							
5.							

NO.	P_t	Temp. °R	T_t	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 94 P_c^2 8,836

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3		33	1,089	7,747
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1405$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{n .85} = 1.1219$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 111$

Absolute Open Flow 111 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

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