3-NMOCC 1-Yates (Ray Beck) 1-EPNG (Clark) 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: 12-31-75	
Company: Dugan Production Corp.		Connection			
Pool: Undesignated		Formation: Pictured Cliffs			Unit
Completion Date: 12-10-75	Total Depth: 1170'		Plug Back TD: 1136'	Elevation: 6099' GR	Farm or Lease Name: ABO
Csg. Size: 2-7/8" / Wt.: 6.5# / d / Set At: 1149'			Perforations: From 1093' To 1098'		Well No.: 2
Tbg. Size / Wt. / d / Set At			Perforations: From To		Unit: M / Sec.: 28 / Twp.: 26N / Rge.: 12W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Gas			Packer Set At		County: San Juan
Producing Thru	Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. – P_a		State: New Mexico
L / H / Gg: .62 / % CO_2 / % N_2 / % H_2S / Prover / Meter Run / Taps					

	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							150		7 days
1.									
2.									
3.	5/8" Pos Choke	2		52°			2		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.	8.5417		14	1.008	.9837	1.000	118
4.							
5.							

NO.	P_r	Temp. °R	T_r	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 162 P_c^2 26,244

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3		14	196	26,048
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.007$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{n \cdot 85} = 1.0000$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{n} = 118$

Absolute Open Flow 118 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

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