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: 4-13-78	
Company: Dugan Production Corp.	Connection:			
Pool: NIPP - Pictured Cliffs	Formation: Pictured Cliffs		Unit:	
Completion Date: 4-13-78	Total Depth: 1320	Plug Back TD: 1270	Elevation:	Farm or Lease Name: Irish
Csg. Size: 2-7/8" / Wt.: 6.5# / d: / Set At: 1302'	Perforations: From 1184 To 1190			Well No.: 1
Tbg. Size: 1-1/4" / Wt.: 2.4# / d: / Set At: 1174'	Perforations: From Open End To			Unit: I / Sec.: 12 / Twp.: 26N / Rge.: 13W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single Gas	Packer Set At:			County: San Juan
Producing Thru: tbg	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					170		170		7 days
1.									
2.									
3.	5/8" Pos. Choke	13		60			43		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		25	1.000	.9837	1.000	210
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 182 P_c^2 33,124

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3		55	3025	30,099
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1005$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0848$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 228$

Absolute Open Flow 228 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Jacobs	Jacobs	