STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 12-21-82	
Company: Dugan Production Corp.		Connection:			
Pool: WAW Fruitland P.C.		Formation: Pictured Cliffs			Unit:
Completion Date: 12-14-82	Total Depth: 1480'		Plug Back TD: 1431'	Elevation: 6082' GL	Farm or Lease Name: Lucky Billy Charlie
Csg. Size: 2-7/8" / Wt.: 6.5# / d: 2.441	Set At: 1474' GL	Perforations: From 1220'	To 1334'		Well No.: 1
Tbg. Size: None / Wt. / d	Set At	Perforations: From	To		Unit: M / Sec.: 22 / Twp.: 27N / Rge.: 13W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: single - gas		Packer Set At			County: San Juan
Producing Thru: Casing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a		State: NM
L / H / Gg: 0.62	% CO_2	% N_2	% H_2S	Prover	Meter Run / Taps

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI							228		7 days
1.									
2.									
3.	7/16" pos. choke	18				60°			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.	4.123		30	1.0	0.9837	1.000	122
4.							
5.							

NO.	P_t	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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

NO	P_t	P_c	P_w	P_w^2	$P_c^2 - P_w^2$
1					
2					
3					
4					
5					

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

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ Friction negligible; tested thru casing.

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

Remarks: _____

Approved By Division	Conducted By: Fagrelius	Calculated By: Fagrelius	Checked By: