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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

RECEIVED
JAN 27 1983
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 1-17-83	
Company: Dugan Production Corp.			Connection:		Unit:
Pool: Basin Dakota			Formation: Dakota		
Completion Date: 1-10-83	Total Depth: 5910'		Plug Back TD: 5795'	Elevation: 5522' GL	Farm or Lease Name: Turk's Toast
Csg. Size: 4½" / Wt.: 10.5 / d: 4.052 / Set At: 5888'			Perforations: From 5636 To 5748		Well No.: 1
Tbg. Size: 1½" / Wt.: 2.9 / d: 1.610 / Set At: 5584			Perforations: From open end To		Unit: M / Sec.: 18 / Twp.: 30N / Rge.: 14W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - gas			Packer Set At: 5584' RKB		County: San Juan
Producing Thru: tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a:		State: New Mexico
L	H	Gg: .65 est	% 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					1700		Packer		7 days
1.									
2.									
3.	½" pos. choke	39		56°			---		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		51	1.004	.9608	1.0	267
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_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3				
4				
5				

P_c _____ P_c^2 _____

(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 $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 267

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

Remarks: Friction negligible

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Brown	Brown & Jacobs	