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: 11-29-78	
Company: Great Western Drilling Co.			Connection: El Paso Natural Gas Co.		
Pool: Aztec			Formation: Pictured Cliffs		Unit
Completion Date: 11-10-78	Total Depth: 3380		Plug Back TD	Elevation: 6313' GL	Farm or Lease Name: Decker
Csg. Size: 2.875 / Wt.: 6.5 / d: 2.347 / Set At: 3380			Perforations: From 3222 To 3278		Well No.: 5
Tbg. Size / Wt. / d / Set At			Perforations: From To		Unit: P / Sec.: 7 / Twp.: 32N / Rge.: 11W
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: 12.0	State: New Mexico
L / H / Gg: 0.650	% 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								1162		19 days
12	2.0	0.125			26			1121		2 hours
2.	2.0	0.21875			40			1003		2 hours
3.	2.0	0.250			40			925		2 hours
4.	2.0	0.3125			46			756		2 hours
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	0.2648			1.034	1.240	1.163	406
2.	0.8393			1.020	1.240	1.126	1083
3.	1.087			1.020	1.240	1.116	1289
4.	1.672			1.014	1.240	1.088	1567
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

P_c _____ P_c^2 _____

NO	P_t^2	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 $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ _____

Absolute Open Flow 1995.45 Mcfd @ 15.025 | Angle of Slope θ 66.32° | Slope, n 0.43856

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: Original signed by: D. S. BAXTER	Checked By: