Submit in duplicate to appropriate district office
See Rule 401 & Rule 1122

Energy, Minerals and Natural Resources Depar[illegible]nt

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: Chevron U.S.A.				Lease or Unit Name: Bogle Flats Unit	
Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 8-4-97	Well No.: 10
Completion Date: 3-11-97	Total Depth:		Plug Back TD:	Elevation:	Unit Ltr. - Sec. - TWP - Rge.: K 3 22-S 23-E
Csg. Size: 7" / Wt.: 26# / d: 6.276 / Set At: 7184				Perforations: Open Hole From: 7184 To: 7241	County: Eddy
Tbg. Size: 3½ / Wt.: 9.3 / d: 2.992 / Set At: 7080				Perforations: From: To:	Pool: ~~Indian Basin U/Penn~~
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 7080	Formation: Upper Penn
Producing Thru: Tbg	Reservoir Temp. °F: 144.8	Mean Annual Temp. °F: 60°		Baro, Press - P_a: 13.2	Connection: Sales

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
7080	7080	.6296	.507	.845	0	0	4.026	F/G

	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					650	84°	PKR		24 hrs
1.	4.026 X 2.000	830	22"	72°	320				24 hrs
2.									
3.									
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, F pv.	Rate of Flow Q, Mcfd
1.							
2.		Reading	From	Total Flow Meter			33.88
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio N/a Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons N/a Deg.
Specific Gravity Separator Gas .6296 XXXXXXXXX
Specific Gravity Flowing Fluid N/A XXXXX
Critical Pressure 667 P.S.I.A. P.S.I.A.
Critical Temperature 364 R R

P_c 663.2 P_c^2 439.8

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.	111.0	381.8	145.7	294.1
2.				
3.				
4.				
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.496$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.496$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5.067$

Absolute Open Flow 5.067 Mcfd @ 15.025 | Angle of Slope θ 45° | Slope, n 1.000

Remarks:

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Pro Well Testing	M.B.	R.M.