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

dsf

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: 8-5-97	Well No.: 17
Completion Date: 4-17-97	Total Depth: 7505	Plug Back TD: 7505		Elevation	Unit Ltr. - Sec. - TWP - Rge.: 9 22-S 23-E
Csg. Size: 7" / Wt.: 26# / d: 6.276 / Set At: 7105				Perforations: Open Hole From: 7105 To: 7505	County: Eddy
Tbg. Size: 3½ / Wt.: 9.3# / d: 2.992 / Set At: 6630				Perforations: From: To:	Pool: Fld. Basin N/Penn
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single			Packer Set At: 6633		Formation: Upper Penn
Producing Thru: Tbg	Reservoir Temp. °F: 140.3	Mean Annual Temp. °F: 60°	Baro. Press - P_a: 13.2		Connection: Sales
L: 6633	H: 6633	Gg: .6296	% CO_2: .507	% N_2: .845	% H_2S: 0
Prover: 0	Meter Run: 4.026	Taps: 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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI					650				
1.	4.026 X 2.000	852	15"	72°	310	74°	Pkr		24 hrs
2.									24 hrs
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			2218
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.	104.5	344.3	118.5	321.3
2.				
3.				
4.				
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.369$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.369$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.036$

Absolute Open Flow: 3.036 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.	B.M.