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

State of New Mexico
Energy, Minerals and Natural Resources Department

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 Flate Unit		
Type Test: [X] Initial [ ] Annual [ ] Special					Test Date: 8-4-97	Well No.: 16	
Completion Date: 4/10/97	Total Depth: 7304		Plug Back TD		Elevation	Unit Ltr. - Sec. - TWP - Rge.: K 10 22-S 23-E	
Csg. Size: 7"/5½	Wt.: 26# / 23#	d: 6.276 / 4.67	Set At: 6808 / 7188	Perforations: Open Hole From: 7188	To: 7304	County: Eddy	
Tbg. Size: 3½	Wt.: 9.3	d: 2.992	Set At: 6750	Perforations: From:	To:	Pool: Indian Basin U/Penn	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single			Packer Set At: 6750			Formation: Upper Penn	
Producing Thru: Tbg	Reservoir Temp. °F: 141.5	Mean Annual Temp. °F: 60°	Baro. Press - P_a: 13.2			Connection	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
6750	6750	.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		PKR		24 hrs
1.	4.026 X 2.250	831	17"	72°	450				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.		Readings	From	Total	Flow	Meter	3961
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: 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.	214.6	508.9	259.0	180.8
2.				
3.				
4.				
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.432$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.432$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 9.633$

Absolute Open Flow: 9.633 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.