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

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 USA		Lease or Unit Name: MONUMENT '13' STATE	
Type Test: [X] Initial [ ] Annual [ ] Special		Test Date: 7/26/99	Well No.: 17
Completion Date	Total Depth: 7501	Plug Back TD	Elevation	Unit Ltr. - Sec. - TWP. - Rge.: F 13-19S-36E
Csg. Size: 5½	Wt.: 15.5 17#	d: 4.950 4.892	Set At: 7501	Perforations: From: 6696 To: 6770	County: LEA
Tbg. Size: 2-7/8	Wt.: 6.5	d: 2.441	Set At: 6643	Perforations: From: To:	Pool
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: single		Packer Set At: 6643		Formation: DRINKARD
Producing Thru: TBG	Reservoir Temp. °F: 110.9	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
6643	6643	.649	.700	.683	-0-	-0-	4.026	FLG

	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						1726		pkr		
1.	4.026		35	2.4	111°	1715				60 min
2.	4.026		40	9.4	89°	1600				60 min
3.	4.026		40	18.2	86°	1490				60 min
4.	4.026		45	28.7	89°	1350				60 min
5.										

RATE OF FLOW CALCULATIONS

NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor F_t	Gravity Factor F_g	Super Compress. Factor, F_{pv}	Rate of Flow Q, Mcfd
1.							569
2.							1211
3.	Gas Volumes measured		BY TOTAL FLOW METER				1762
4.							2309
5.							

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

Gas Liquid Hydrocarbon Ratio: N/A Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: N/A Deg.
Specific Gravity Separator Gas: .649 XXXXXXXXX
Specific Gravity Flowing Fluid: N/A XXXXX
Critical Pressure: 673 P.S.I.A. P.S.I.A.
Critical Temperature: 368 R R

P_c 1762.1 P_c^2 3104.9

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		1727.7	2984.9	120
2.		1632.1	2663.7	441.2
3.		1529.3	2338.7	766.2
4.		1387.0	1923.7	1181.2
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.62$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.80$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4156$

Absolute Open Flow: 4156 Mcfd @ 15.025 Angle of Slope θ: 58.3 ° Slope, n: .615

Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES
* NO LIQUID MADE DURING TEST

Approved By Division	Conducted By:	Calculated By:	Checked By:
	PRO WELL TESTING	MB	BM

JC