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

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

30-025-37177

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: KAISER FRANCIS Oil Company		Lease or Unit Name: HUNGER BUSTER ST.	
Type Test: ☑ Initial ☐ Annual ☐ Special		Test Date: 8/27/05	Well No.: 3
Completion Date: 7/20/05	Total Depth: 12001	Plug Back TD: 11954	Elevation: 3591
Unit Ltr - Sec - TWP - Rge: I 9-21S-35E			
Csg. Size: 5 1/2 / Wt.: 17 / d: 4.892 / Set At: 12001		Perforations: From: 11820 To: 11906	County: Lea
Tbg. Size: 2 7/8 / Wt.: 6.5 / d: 2.441 / Set At: 11701		Perforations: From: - To: -	Pool: Osudo, South (Gas)
Type Well-Single-Bradenhead-G.G. or G.O. Multiple: SINGLE		Packer Set At: 11701	Morrow
Producing Thru: TUBING	Reservoir Temp.: 181	Mean Annual Temp.: 60	Baro. Press.-P_a: 13.2
Connection: SALES			
L: 11863	H: 11863	Gg: 0.643	%CO_2: 0.841
%N_2: 0.598	%H_2S: 0	Prover: N/A	Meter Run: 3.067
Taps: FLG			

FLOW DATA / TUBING DATA / CASING DATA

No.	Prover Line Size	Orifice Size	Press p.s.i.g.	Diff. h_w	Temp.	Press p.s.i.g.	Temp.	Press p.s.i.g.	Temp.	Duration of Flow
SI						2550				
1	3.067	X .875	476	39.4	68	500				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 F_g	Super Compress Factor F pv	Rate of Flow Q. Mcfd
1							
2							650
3	TOTAL	FLOW	METER				
4							
5							

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

Gas Liquid Hydrocarbon Ratio	65	Mcf bbl.	
A.P. I. Gravity of Liquid Hydrocarbons	51 @60	Deg.	
Specific Gravity Separator Gas	0.643	XXXXXXX	
Specific Gravity Flowing Fluid	N/A	XXXXX	
Critical Pressure	673 P.S.I.A.	N/A	P.S.I.A.
Critical Temperature	368 R.	N/A	R

P_c 2563.2 P_{c2} 513.2

No.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		518.7	269.1	6300.9
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.043$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.043$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 0.678$

Absolute Open Flow [.678] Mcfd @ 15.025 | Angle of Slope (): 45 | Slope, n: 1

Remarks: * WELL MADE 10 BBLS OF 51 API GRAVITY OIL DURING TEST.

Approved By Division:	Conducted By:	Calculated By:	Checked By:
	PRO WELL TESTING	MERV BUECKER	MB

KAISER FRANCIS

HUNGER BUSTER ST. #3