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

State of New Mexico
Energy, Minerals and Natural Resources Depart...nt

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION
2040 Pacheco St.
Santa Fe, NM 87505

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: BTA OIL PRODUCERS 003002							Lease or Unit Name: 22253 Grama -C-, 8817 JV-P				
Type Test: [X] Initial [ ] Annual [ ] Special							Test Date: 10/06/99			Well No.: 1	
Completion Date: 08/23/99		Total Depth: 13,391		Plug Back TD: 13,373			Elevation: 3477' GR			Unit Ltr. - Sec. - TWP - Rge.: M 16- 22S-34E	
Csg. Size: 5.0	Wt.: 18#	d: 4.276	Set At: 13,390	Perforations: From: 13,243		To: 13,264				County: Lea	
Tbg. Size: 2.875	Wt.: 6.5#	d: 2.441	Set At: 13,243	Perforations: From:		To:				Pool: 77680 Grama Ridge	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 13,150'						Formation: Morrow	
Producing Thru: tubing	Reservoir Temp. °F: 210		Mean Annual Temp. °F: 60°	Baro. Press - P_a: 13.2						Connection: El Paso Nat. Gas	
L: 13,243	H: 13,243	Gg: .592	% CO_2: 0.48	% N_2: 0.28		% H_2S: 0	Prover:			Meter Run: 4.026	Taps: Flange

	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					5540	70°	Packer		24 hrs.
1.	4.026 x 1.875	720	2	96	4600	78°			1 hr
2.	4.026 x 1.875	725	4	110	4482	79°			1 hr
3.	4.026 x 1.875	772	8.2	110	3985	80°			1 hr
4.	4.026 x 1.875	780	22	90	3050	81°			1 hr
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.	17.26	38.27	732.2	0.9671	1.300	1.075	892.7
2.	17.26	54.34	738.2	0.9551	1.300	1.044	1215.8
3.	17.26	80.24	785.2	0.9551	1.300	1.048	1802.1
4.	17.26	132.10	793.2	0.9723	1.300	1.032	2974.2
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	1.090	556	1.571	.866
2.	1.099	570	1.610	.917
3.	1.168	570	1.610	.911
4.	1.180	550	1.553	.939
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas .592 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 672 P.S.I.A. _____ P.S.I.A.
Critical Temperature 354 R _____ R

P_c 7060.2 P_c^2 49846

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		5984.2	35811	14035
2.		5857.3	34308	15538
3.		5278.1	27858	21988
4.		4175.3	17433	32413
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.208$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.208$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3900$

Absolute Open Flow 3900 Mcfd @ 15.025 | Angle of Slope θ 45° | Slope, n 1.000

Remarks: Dry flow, No fluid recovered during Test
Test Run w/ BHP Bombs in well during test

Approved By Division	Conducted By:	Calculated By:	Checked By:
	BTA OIL PRODUCERS	T. J. Williams	

BTA OIL PRODUCERS
003002

22253
8817 JV-P Grama 'C' #1
Sec. 16, T22S, R34E
Lea Co., NM