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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-122
Revised 4-1-91

RECEIVED
OCD - ARTESIA

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: Nearburg Producing Company		Lease or Unit Name: White Tip 7 Federal Com	
Type Test: [X] Initial [ ] Annual [ ] Special		Test Date: 8/7/01	Well No.: 2
Completion Date: 01/07/01	Total Depth: 12500	Plug Back TD: 11956	Elevation: 3710' GL
			Unit Ltr. - Sec. - TWP - Rge.: I 7 22s 26e *

Csg. Size	Wt.	d	Set At	Perforations			County
5½	17#	4.892		From: 11740	To: 11784		Eddy
	20#	4.778	12055				

Tbg. Size	Wt.	d	Set At	Perforations		Pool
2 3/8	4.7#	1.995	11612	From: Open	To: Ended	Happy Valley Morrow Gas

Type Well - Single - Bradenhead - G.G. or G.O. Multiple	Packer Set At	Formation
Single	11612	Morrow

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press - P_a	Connection
Tbg		60	13.2	El Paso

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
11612	11612	0.579	1.001	0.357			3.068	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					1581		PACKER		48 Hrs
1.	3.068 x 1.750	463	0.25	78	1464		"		1.0 Hr.
2.	3.068 x 1.750	463	1.00	75	1341		"		1.0 Hr.
3.	3.068 x 1.750	477	2.25	76	1217		"		1.0 Hr.
4.	3.068 x 1.750	491	4.00	77	1085		"		1.0 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.	15.61	10.91	476.2	.9831	1.314	1.040	229
2.	15.61	21.82	476.2	.9859	1.314	1.040	436
3.	15.61	33.21	490.2	.9850	1.314	1.035	694
4.	15.61	44.91	504.2	.9846	1.314	1.036	939
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.70	538	1.55	.935
2.	.70	535	1.55	.935
3.	.72	536	1.55	.933
4.	.74	537	1.55	.931
5.				

Gas Liquid Hydrocarbon Ratio: Dry Gas Mcf/bbl
A.P.I. Gravity of Liquid Hydrocarbons: - Deg.
Specific Gravity Separator Gas: 0.579 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 676 P.S.I.A. P.S.I.A.
Critical Temperature: 345 R R

P_c 1594.1 P_c^2 2541.2

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		1477.8	2183.9	357.3
2.		1356.6	1840.3	700.9
3.		1236.9	1529.8	1011.3
4.		1112.0	1236.5	1304.7
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.948$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.948$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.829$

Absolute Open Flow: 1,829 Mcfd @ 15.025 | Angle of Slope θ: 45 | Slope, n: 1.0000

Remarks: Well produced no fluid

* Bottom hole location Unit K - 7 - 22s - 26e

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Jarrel Services, Inc.	Bob Murray	Bob Murray