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

State of New Mexico
Energy, Minerals and Natural Resources Department

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Form C-122
Revised 4-1-91

c/sr File

OIL CONSERVATION DIVISION

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: C. W. TRAINER					Lease or Unit Name: CARTER FARMS A					
Type Test: [X] Initial [ ] Annual [ ] Special					Test Date:			Well No.: 1		
Completion Date:		Total Depth:		Plug Back TD:	Elevation:			Unit Ltr. - Sec. - TWP - Rge.: 17 23 28		
Csg. Size:	Wt.:	d:	Set At:	Perforations: From: 11368 To: 11381				County: Eddy		
Tbg. Size: 2 7/8	Wt.: 6.5	d: 2.441	Set At: 11080	Perforations: From: To:				Pool:		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 11080				Formation:		
Producing Thru: TBG	Reservoir Temp. °F: 185° @11050		Mean Annual Temp. °F: 60	Baro. Press - P_a: 13.2				Connection:		
L: *11050	H: 11050	Gg: .578	% CO_2: .48	% N_2: .85	% H_2S:	Prover:		Meter Run: 4.026		Taps: Flg

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	TUBING DATA: Temp. °F	CASING DATA: Press. p.s.i.g.	CASING DATA: Temp. °F	Duration of Flow
SI					5794		Pkr		24 hrs.
1.	4 X 1.250	290	2.56	52	5248		"		1 hr.
2.	4 X 1.250	290	10.20	54	4967		"		1 hr.
3.	4 X 1.250	290	22.09	62	4219		"		1 hr.
4.	4 X 1.250	290	32.50	64	3750		"		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.	7.469	27.86	303.2	1.008	1.315	1.027	283
2.	7.469	55.61	303.2	1.006	1.315	1.027	564
3.	7.469	81.84	303.2	.9981	1.315	1.024	822
4.	7.469	99.27	303.2	.9962	1.315	1.024	995
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.45	512	1.47	.948
2.	.45	514	1.48	.948
3.	.45	522	1.50	.954
4.	.45	524	1.51	.954
5.				

Gas Liquid Hydrocarbon Ratio: Dry Gas Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: Dry Deg.
Specific Gravity Separator Gas: .578 XXXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 672 P.S.I.A. P.S.I.A.
Critical Temperature: 346 R R

P_c **5802.8 P_c^2 33672.5

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.	**	5318.3	28284.3	5388.2
2.	**	5009.5	25095.1	8577.4
3.	**	4272.2	18294.4	15378.1
4.	**	3808.1	14501.6	19170.9
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.756$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.709$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.700$

Absolute Open Flow: 1.700 Mcfd @ 15.025 | Angle of Slope θ: 46.4 | Slope, n: .952

Remarks: *=BHP Instrument set @ this depth
NO FLUID PRODUCED DURING TEST

Approved By Division	Conducted By:	Calculated By:	Checked By:
	PROWELL TESTERS	BM	BM

** From Known BHPS.