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

C 151

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MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: Chi Energy Inc.				Lease or Unit Name: Giblet St.	
Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 6-25-99	Well No.: 1
Completion Date	Total Depth		Plug Back TD: 11,359	Elevation	Unit Ltr. - Sec. - TWP. - Rge.: I 19-S 29-E
Csg. Size: 5 1/2	Wt.: 17#	d: 4.892	Set At: 12000'	Perforations: From: 11294 To: 11356	County: Eddy
Tbg. Size: 2 3/8	Wt.: 4.7	d: 1.995	Set At: 11,152	Perforations: From: To:	Pool: Turkey Track Morrow
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single			Packer Set At: 11,152		Formation: Morrow
Producing Thru: Tbg	Reservoir Temp. °F: 174°	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
11,152	11,152	.659	.578	.354	N/A	0	4.026	F/G

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.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					3400	N/A	PKR	N/A	
1.	4.026 X 1.000	314	19	63°	1975				60 min
2.	4.026 X 1.000	320	49.5	63°	1500				60 min
3.	4.026 X 1.000	325	65.5	65°	1310				60 min
4.	4.026 X 1.000	328	85.2	64°	1100				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.							452
2.							742
3.		VOLUMES MEASURED BY TOTAL FLOW METER					860
4.							985
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: .659 XXXXXXXXX
Specific Gravity Flowing Fluid: N/A XXXXX
Critical Pressure: 673 P.S.I.A. P.S.I.A.
Critical Temperature: 371 R R

P_c 3413.2 P_c^2 11,649.9

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.	3952.9	1989.9	3959.6	7690.3
2.	2289.8	1519.2	2308.1	9341.8
3.	1750.9	1332.6	1775.8	9874.0
4.	1239.2	1128.3	1273.0	10376.9
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.12$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.12$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1103.2$

Absolute Open Flow: 1103.2 Mcfd @ 15.025 | Angle of Slope θ: 45.0 | Slope, n: 1.000

Remarks: *No liquid made during test.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Chi Energy Inc.	M.B.	B.M.