

**ARMSTRONG GAS LABS
P.O. BOX 988
MONAHANS, TEXAS 79756
(915) 943-8844
(FAX) 943-8855**

FAX COVER SHEET

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**TO: EPFS Carlsbad - Attn.: Danny Miller
Chi Energy - Attn.: John Wolf
Oil Conservation Devision - Attn.: Jim Gum**

FROM: David Armstrong

30-015-33181

COMMENTS: Chi Energy Inc. - Merland #2 Analysis

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 141481.bpr
 Customer: El Paso Field Services

<u>Component</u>	<u>Mol. %</u>	<u>BTU</u>	<u>SG</u>	<u>GPM</u>	Producer: CHI ENERGY INC.
Nitrogen	0.7419	0.000	0.007		Well / Sta. Name: MERLAND #2
Methane	88.1433	892.307	0.488		Sta. No.: 68600
CO2	0.2986	0.000	0.005		Formation:
Ethane	6.5843	116.792	0.068	1.760	Field:
H2S	0.0000	0.000	0.000		County:
Propane	2.1740	54.829	0.033	0.599	Spot / Composite: S
Iso-Butane	0.4542	14.805	0.009	0.149	Date / Time On:
Butane	0.6874	22.478	0.014	0.217	Date / Time Off: 04/10/04
Iso-Pentane	0.2629	10.543	0.007	0.096	Date to Lab: 04/13/04
Pentane	0.2150	8.639	0.005	0.078	Date Analyzed: 04/14/04
Hexanes C6+	0.4384	22.538	0.014	0.190	Sample Press. (PSIG): 330
Hydrogen	N/A				Press. @ Lab (PSIG): 330
Helium	N/A				Line Press. (PSIG): 330
Oxygen	N/A				Sample Temp. (F): 60
CO	N/A				Fl. Gas Temp. (F): 60
					Amb. Temp. (F):
Ideal Totals	100.0000	1142.930	0.650	3.089	Del. To:
					Sampled By: DM
					Cylinder No.:

Field H2S (PPM): 0.0
 Field H2S (Grains): 0.0

Pressure Base: 14.73
 Temp. Base: 60

Z Factor (Dry): 0.99718

Lab O2 PPM:
 Lab O2 Mol. %:

Field CO2 %: 0.3

Dry BTU (Real): 1146.16
 Sat. BTU (Real): 1127.49
 Field H2O (# / mmcf): 23.00
 As Del. BTU (Real): 1145.60

Sp. Gravity (Real): 0.6520
 Field Gravity:
 Lab Gravimeter: 0.652

GPM (Ethane+): 3.089
 GPM (Propane+): 1.329

GPA 2145 / 2172

Remarks: