

MONTANA-DAKOTA UTILITIES CO./GREAT PLAINS NATURAL GAS CO.
GAS ODORIZATION TEST REPORT

TOWN: Griffithsburg DATE: 6/17/15 TIME: 11:57am
LOCATION: 100 S Mannston
Instrument Make and Model #: Heath Odorator 0705637 Serial #: 3253-5

NATURAL GAS – 0.500% GAS

(Check the phrase below which applies)

Witness Reports: ☐ Not Readily Detectable
☒ Readily Detectable
☐ Very Strong Odor

PROPANE – 0.250% GAS

(Check the phrase below which applies)

Witness Reports: ☐ Not Readily Detectable
☐ Readily Detectable
☐ Very Strong Odor

If report is "Not Readily Detectable" or "Very Strong Odor", the witness shall notify the Region Engineering Department.

Remarks: _____

Signed: Mike Erickson SDFMO
Deputy Fire Marshal

Approved: Aaron Helland
(Region Engineering Department)
Aaron Helland

Action taken by Region Engineering Department on any problem report: _____



NEW STYLE ODORATOR
CALIBRATION CERTIFICATE
1.00% Methane

Serial # 3253
Wo # 176751
Tech: S.BAZURTO
Date: 11/21/14

MASS FLOW SENSOR DC OUTPUT VOLTAGE (PIN J1-7): 0.80

PANEL ZERO KNOB ADJUSTMENT RANGE ON LCD: +/- -7/-6

RP4 ON PC BOARD SET WITH A REF %GAS READING OF: 1.02

RP3 ON PC BOARD SET FOR AN ODORATOR LCD READING OF: 1.00

BLOWER MOTOR DC OUTPUT VOLTAGE : 1.09

RP1 ON PC BOARD SET FOR 1/2 TURN CCW WITH NO " L " ON LCD : YES? X

WITH THE ODORATOR READING " 50 " THE REF % GAS READING IS: 0.41

WITH THE ODORATOR READING " 20 " THE REF % GAS READING IS: 0.17

Next Day: Zero 0 1.00 Span 1.02

% GAS CORRECTION CHART - 1.00% METHANE HPN 0715631 REV D

ODORATOR READING	ACTUAL % GAS	ODORATOR READING	ACTUAL % GAS
0.00%	0.00%	0.80%	0.75%
0.10%	0.08%	0.90%	0.87%
0.20%	0.17%	1.00%	1.00%
0.30%	0.25%	1.10%	1.10%
0.40%	0.33%	1.20%	1.33%
0.50%	0.40%	1.30%	1.56%
0.60%	0.50%	1.40%	1.81%
0.70%	0.62%	1.50%	2.05%

HPN #: 101993-0 REV A