# GAS QUALITY TEST REPORT

COMPANY SELLER: GULF Oil (.
FIELD OR LOCATION: UND. (EDDY Co. Sec 28-20-27
SOURCE OR RESERVOIR: ATOKA
WELL OR STATION NAME: EDDY "FT" #1
STA. NO.: —
CONTRACT NO.: —
TEST DATE: 8 27 76
LAB: 4

| COMPOUND COMPONENTS | COMPONENT SPECIFIC GRAVITY | COMPONENT MOLE FRACTION |
|---|---|---|
| NITROGEN | .9672 | .0094 |
| CARBON DIOXIDE | 1.5195 | .0038 |
| HELIUM | .1382 | .0001 |
| OXYGEN | 1.1048 | . — |
| HYDROGEN SULFIDE | 1.1766 | . — |
| WATER VAPOR | .6220 | . — |
| HYDROCARBON DILUENTS | | (.0133) |
| METHANE | .5539 | .9608 |
| ETHANE | 1.0382 | .0212 |
| PROPANE | 1.5225 | .0032 |
| ISO-BUTANE | 2.0068 | .0001 |
| N-BUTANE | 2.0068 | .0001 |
| ISO-PENTANE | 2.4910 | .0002 |
| N-PENTANE | 2.4910 | .0001 |
| HEXANES | 2.9753 | .0001 |
| HEPTANES + | 3.7018 | .0001 |
| | | |
| COMPOSITION | | 1.0000 |

| LIQUEFIABLE HYDROCARBONS | COMPONENT G. P. M. | MOLE FRACTION | G. P. M. CONTENT |
|---|---|---|---|
| PROPANE | 27.514 | . | |
| ISO-BUTANE | 32.698 | . | |
| N-BUTANE | 31.510 | . | |
| LPG | | | |
| ISO-PENTANE | 36.582 | . | |
| N-PENTANE | 36.213 | . | |
| HEXANES | 41.111 | . | |
| HEPTANES + | 46.126 | . | |
| NATURAL GASOLINE | | | |
| TOTAL LIQUEFIABLE GPM | | | |

**WATER VAPOR CONTENT:**

Gas Mixture Static Pressure PSI: _____
Hydrocarbon Dew Point °F: _____
Water Vapor Dew Point °F: _____
Lbs Water Vapor per MMCF: _____
Conversion Constant: X 0.000021
Water Vapor Mole Fraction: .

Moisture recorder reading: _____
Make or type: _____

**MIXTURE SPECIFIC GRAVITY:**

Calculated From Analysis: .577
Determined by Test Instrument: .578
Instrument Make or Type: KIMRAY

**MIXTURE HEATING VALUE:**
(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis: 1008
Determined by Calorimeter: .
Calorimeter Verified: (_____)

**SULFUR CONTENT:**

$H_2S$ – Hydrogen Sulfide, Gr./100 cf: . —
RSH – Mercaptans " : . —
RSR – Sulfides " : .02
RSSR – Residuals " : .02
Total Sulfur, Gr./100 cf: .04
$H_2S$ Grains to fraction conversion: X 0.0000157
$H_2S$ Mole Fraction: _____

Critical Pressure: 673 Critical Temperature: 350

REMARKS: 4 POINT TEST

MEASUREMENT AREA: ROSWELL
GAS ANALYIST: AUSTIN