



GAS QUALITY TEST REPORT

COMPANY SELLER

GULF OIL Co.

FIELD OR
LOCATION

WHITE CITY

SOURCE OR
RESERVOIR

MORROW

WELL OR
STATION NAME

GULF FED ESTILL AD#1

STA. NO.

CONTRACT NO.

TEST DATE

07/21/77

LAB

4

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOL FRACTION	LIQUEFIABLE HYDROCARBONS	COMPONENT G. P. M.	MOL FRACTION	C. P. M. CONTENT
NITROGEN	.9672	.0028	PROPANE	27.514	.	
CARBON DIOXIDE	1.5194	.0022	ISO-BUTANE	32.698	.	
HELIUM	.1382	—	N-BUTANE	31.510	.	
OXYGEN	1.1048	.0003	LPG —————			
HYDROGEN SULFIDE	1.1766	—	ISO-PENTANE	36.582	.	
WATER VAPOR	.6220	—	N-PENTANE	36.213	.	
HYDROCARBON DILUENTS		(.0163)	HEXANES	41.111	.	
			HEPTANES +	46.126	.	
METHANE	.5539	.9617	NATURAL GASOLINE —————			
ETHANE	1.0382	.0202	TOTAL LIQUEFIABLE GPM			
PROPANE	1.5225	.0016	WATER VAPOR CONTENT:			
ISO-BUTANE	2.0067	.0001	Gas Mixture Static Pressure PSI			
N-BUTANE	2.0067	—	Hydrocarbon Dew Point °F			
ISO-PENTANE	2.4910	—	Water Vapor Dew Point °F			
N-PENTANE	2.4910	—	Lbs Water Vapor per MMCF			
HEXANES	2.9753	—	Conversion Constant			X 0.002095
HEPTANES +	3.4596	—	Water Vapor Volume fraction			
			Moisture recorder reading			
			Make or type			

COMPOSITION ————— 1.0000

MIXTURE SPECIFIC GRAVITY:

Calculated From Analysis

.579

Determined by Test Instrument

.580

Instrument Make or Type

PANARCF

MIXTURE HEATING VALUE:

(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis

998

Determined by Colorimeter

Colorimeter Verified ()

SULFUR CONTENT:

H₂S — Hydrogen Sulfide, Gr./100 cf

.08

RSH — Mercaptans "

.01

RSR — Sulfides "

.03

RSSR — Residuals "

.02

Total Sulfur, Gr./100 cf

.14

H₂S Grains to fraction conversion

X .001572

H₂S Volume Fraction

Critical Pressure Critical Temperature

REMARKS

4 POINT ANALYSIS

MEASUREMENT

AREA

ROSEN

GAS

ANALYST

ASTON