



GAS QUALITY TEST REPORT

COMPANY SELLER

KENTZOL

FIELD OR
LOCATION

S. CARLSBAD

SOURCE OR
RESERVOIR

MORROW

WELL OR
STATION NAMEGULF FLD #2
Long String

STA. NO.

1076-2

CONTRACT NO.

TEST DATE

2/5/76

LAB

4

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOLE FRACTION	LIQUEFIABLE HYDROCARBONS	COMPONENT G. P. M.	MOLE FRACTION	G. P. M. CONTENT
NITROGEN	.9672	.0033	PROPANE	27.514	.	
CARBON DIOXIDE	1.5195	.0122	ISO-BUTANE	32.698	.	
HELIUM	.1382	.0001	N-BUTANE	31.510	.	
OXYGEN	1.1048	.	LPG - - - - -			
HYDROGEN SULFIDE	1.1766	.	ISO-PENTANE	36.582	.	
WATER VAPOR	.6220	.	N-PENTANE	36.213	.	
HYDROCARBON DILUENTS		(.0156)	HEXANES	41.111	.	
			HEPTANES +	46.126	.	
METHANE	.5539	.962d	NATURAL GASOLINE - - - - -			
ETHANE	1.0382	.0183	TOTAL LIQUEFIABLE GPM			
PROPANE	1.5225	.0027	WATER VAPOR CONTENT:			
ISO-BUTANE	2.0068	.0004	Gas Mixture Static Pressure PSI _____			
N-BUTANE	2.0068	.0004	Hydrocarbon Dew Point °F _____			
ISO-PENTANE	2.4910	.0002	Water Vapor Dew Point °F _____			
N-PENTANE	2.4910	.	Lbs Water Vapor per MMCF _____			
HEXANES	2.9753	.	Conversion Constant X 0.000021			
HEPTANES +	3.7018	.	Water Vapor Mole Fraction _____			
			Moisture recorder reading _____			
			Make or type _____			

COMPOSITION - - - - - 1.0000

MIXTURE SPECIFIC GRAVITY:

Calculated From Analysis

.580

Determined by Test Instrument

.582

Instrument Make or Type

KENTZOL

MIXTURE HEATING VALUE:

(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis

1001

Determined by Calorimeter

Calorimeter Verified ()

SULFUR CONTENT:

H₂S - Hydrogen Sulfide, Gr./100 cf

RSH - Mercaptans "

RSR - Sulfides "

RSSR - Residuals "

Total Sulfur, Gr./100 cf

H₂S Grains to fraction conversion

X 0.0000157

H₂S Mole Fraction

Critical Pressure

678

Critical Temperature

351

REMARKS

MEASUREMENT

AREA

Kowen

GAS

ANALYST

Aston