



GAS QUALITY TEST REPORT

COMPANY SELLER

KENTZOL

FIELD OR
LOCATION

So. CARLSBAD

SOURCE OR
RESERVOIR

Straw

WELL OR
STATION NAMEGulf Fed #2
Short String

STA. NO.

1076-1

CONTRACT NO.

1643

TEST DATE

3/3/76

LAB

4

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOLE FRACTION	LIQUEFIABLE HYDROCARBONS	COMPONENT G.P.M.	MOLE FRACTION	G.P.M. CONTENT
NITROGEN	.9672	.0058	PROPANE	27.514	.	
CARBON DIOXIDE	1.5195	.0038	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		(.0097)	HEXANES	41.111	.	
			HEPTANES	46.126	.	
METHANE	.5539	.8542	NATURAL GASOLINE —			
ETHANE	1.0382	.0821	TOTAL LIQUEFIABLE GPM			
PROPANE	1.5225	.0298				
ISO-BUTANE	2.0068	.0060				
N-BUTANE	2.0068	.0093				
ISO-PENTANE	2.4910	.0035				
N-PENTANE	2.4910	.0026				
HEXANES	2.9753	.0018				
HEPTANES	3.7018	.0010				
COMPOSITION —		1.0000				

MIXTURE SPECIFIC GRAVITY:

Calculated From Analysis

.670

Determined by Test Instrument

.669

Instrument Make or Type

RANNEY

MIXTURE HEATING VALUE:

(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis

1157

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

671

Critical Temperature

382

REMARKS

MEASUREMENT

AREA

Rosen

GAS

ANALYST

Aston