



GAS QUALITY TEST REPORT

COMPANY SELLER

GULF Oil Co

STA. NO.

FIELD OR
LOCATION

WILDCAT

CONTRACT NO.

SOURCE OR
RESERVOIR

MORROW

TEST DATE

4/14/77

WELL OR
STATION NAME

LITTLEFIELD "EM" Fed. Com.

LAB

4

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOLE FRACTION	LIQUEFIABLE HYDROCARBONS	COMPONENT G. P. M.	MOLE FRACTION	G. P. M. CONTENT
NITROGEN	.9672	.0049	PROPANE	27.514	.	
CARBON DIOXIDE	1.5195	.0036	ISO-BUTANE	32.698	.	
HELIUM	.1382	—	N-BUTANE	31.510	.	
OXYGEN	1.1048	.0004	LPG —————			
HYDROGEN SULFIDE	1.1766	—	ISO-PENTANE	36.582	.	
WATER VAPOR	.6220	—	N-PENTANE	36.213	.	
HYDROCARBON DILUENTS		(.0109)	HEXANES	41.111	.	
			HEPTANES +	46.126	.	
METHANE	.5539	.8554	NATURAL GASOLINE —————			
ETHANE	1.0382	.0828	TOTAL LIQUEFIABLE GPM			
PROPANE	1.5225	.0340	WATER VAPOR CONTENT:			
ISO-BUTANE	2.0068	.0035	Gas Mixture Static Pressure PSI _____			
N-BUTANE	2.0068	.0079	Hydrocarbon Dew Point °F _____			
ISO-PENTANE	2.4910	.0018	Water Vapor Dew Point °F _____			
N-PENTANE	2.4910	.0016	Lbs Water Vapor per MMCF _____			
HEXANES +	2.9753	.0022	Conversion Constant _____			
HEPTANES +	3.7018	.	Water Vapor Mole Fraction _____			
			O. C. C.			
			Moisture recorder _____			
			Make or type _____			

COMPOSITION ————— 1.0000

MIXTURE SPECIFIC GRAVITY:

Calculated From Analysis

.663

Determined by Test Instrument

.666

Instrument Make or Type

Ranney

SULFUR CONTENT:

H₂S — Hydrogen Sulfide, Gr./100 cf

.04

RSH — Mercaptans

.04

RSR — Sulfides

.14

RSSR — Residuals

.31

Total Sulfur, Gr./100 cf

.53

H₂S Grains to fraction conversion

X 0.0000157

H₂S Mole Fraction

MIXTURE HEATING VALUE:

(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis

1143

Determined by Calorimeter

Calorimeter Verified ()

Critical Pressure _____ Critical Temperature _____

REMARKS

4 Point Wen Test

MEASUREMENT
AREA

Rosen

GAS

ANALYST

Austin