



GAS QUALITY TEST REPORT

COMPANY SELLER

GULF OIL CO.

FIELD OR
LOCATION

W.C.

SOURCE OR
RESERVOIR

ATOKA

WELL OR
STATION NAME

LITTLEFIELD "EM" Com Fed 1

STA. NO.

CONTRACT NO.

TEST DATE

4/15/77

LAB

4

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOLE FRACTION	LIQUEFIABLE HYDROCARBONS	COMPONENT G. P. M.	MOLE FRACTION	G. P. M. CONTENT
NITROGEN	.9672	.0232	PROPANE	27.514	.	
CARBON DIOXIDE	1.5195	.0025	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		(.0261)	HEXANES	41.111	.	
			HEPTANES +	46.126	.	
METHANE	.5539	.8169	NATURAL GASOLINE - - - - -			
ETHANE	1.0382	.0907	TOTAL LIQUEFIABLE GPM			
PROPANE	1.5225	.0416	WATER VAPOR CONTENT:			
ISO-BUTANE	2.0068	.0052	Gas Mixture Static Pressure PSI			
N-BUTANE	2.0068	.0097	Hydrocarbon Dew Point °F			
ISO-PENTANE	2.4910	.0023	Water Vapor Dew Point °F			
N-PENTANE	2.4910	.0022	Lbs Water Vapor per MMCF			
HEXANES +	2.9753	.0053	Conversion Constant			
HEPTANES +	3.7018	.	Water Vapor Mole Fraction			

COMPOSITION - - - - - 1.0000

MIXTURE SPECIFIC GRAVITY:

Calculated From Analysis

.694

Determined by Test Instrument

.691

Instrument Make or Type

Panagex

MIXTURE HEATING VALUE:

(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis

1167

Determined by Calorimeter

Calorimeter Verified ()

SULFUR CONTENT:

H₂S -- Hydrogen Sulfide, Gr./100 cf

.04

RSH -- Mercaptans

"

.02

RSR -- Sulfides

"

.02

RSSR -- Residuals

"

.18

Total Sulfur, Gr./100 cf

.76

H₂S Grains to fraction conversion

X 0.0000157

H₂S Mole Fraction

Critical Pressure Critical Temperature

REMARKS

4 POINT

MEASUREMENT

AREA

Rosen

GAS

ANALYST

Aston