



GAS QUALITY TEST REPORT

PANY SELLER

MESA PET.

FIELD OR
LOCATION

UNKNOWN

SOURCE OR
RESERVOIR

MORROW

WELL OR

STATION NAME MOORE FED #1 - K-35-24-26

STA. NO.

CONTRACT NO.

TEST DATE

9/30/76

LAB

4

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOLE FRACTION	LIQUEFIABLE HYDROCARBONS	COMPONENT G. P. M.	MOLE FRACTION	G. P. M. CONTENT
NITROGEN	.9672	.0047	PROPANE	27.514	.	
CARBON DIOXIDE	1.5195	.0090	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		(.0138)	HEXANES	41.111	.	
			HEPTANES	46.126	.	
METHANE	.5539	.9642	NATURAL GASOLINE ————			
ETHANE	1.0382	.0182	TOTAL LIQUEFIABLE GPM			
PROPANE	1.5225	.0026	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	.0001	Lbs Water Vapor per MMCF			
HEXANES	2.9753	.0001	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

.578

Determined by Test Instrument

.580

Instrument Make or Type

Panagex

MIXTURE HEATING VALUE:

(Btu. cf at 14.73 Psia, 60° F, Sat.)

Calculated From Analysis

1003

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 conversionH₂S Mole Fraction

—

02

02

02

06

X 0.0000157

Critical Pressure

676

Critical Temperature

350

REMARKS

4 Point Test

MEASUREMENT

AREA

Koswen

GAS

ANALYST

Arson