



GAS QUALITY TEST REPORT

COMPANY SELLER

YATES PET. CO

STA. NO. —

FIELD OR
LOCATION

AL-BORTON FIELDS

CONTRACT NO. —

SOURCE OR
RESERVOIR

MORROW

TEST DATE

9/17/75

WELL OR
STATION NAME

STONEWALL "EP" STATE

LAB

4

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOLE FRACTION	LIQUEFIABLE HYDROCARBONS	COMPONENT G. P. M.	MOLE FRACTION	G. P. M. CONTENT
NITROGEN	.9672	. 0022	PROPANE	27.514	.	
CARBON DIOXIDE	1.5195	. 0086	ISO-BUTANE	32.698	.	
HELIUM	.1382	. 0001	N-BUTANE	31.510	.	
OXYGEN	1.1048	. —	LPG — — — — —			
HYDROGENSULFIDE	1.1766	. —	ISO-PENTANE	36.582	.	RECEIVED OCT 6 1975 O. C. C. ARTESIAN OFFICE
WATER VAPOR	.6220	. —	N-PENTANE	36.213	.	
HYDROCARBON DILUENTS		(. 0109)	HEXANES	41.111	.	
			HEPTANES +	46.126	.	
METHANE	.5539	. 9277	NATURAL GASOLINE — — — — —			
ETHANE	1.0382	. 0407	TOTAL LIQUEFIABLE GPM			
PROPANE	1.5225	. 0130	WATER VAPOR CONTENT: Gas Mixture Static Pressure PSI _____ Hydrocarbon Dew Point °F _____ Water Vapor Dew Point °F _____ Lbs Water Vapor per MMCF _____ Conversion Constant <u>X 0.000021</u> Water Vapor Mole Fraction _____ Moisture recorder reading _____			
ISO-BUTANE	2.0068	. 0021				
N-BUTANE	2.0068	. 0027				
ISO-PENTANE	2.4910	. 0013				
N-PENTANE	2.4910	. 0007				
HEXANES	2.9753	. 0006				
HEPTANES +	3.7018	. 0003				

COMPOSITION — — — — — 1.0000

MIXTURE SPECIFIC GRAVITY:

Calculated From Analysis

.609

Determined by Test Instrument

.610

Instrument Make or Type

P. M. A. R. C. F.

MIXTURE HEATING VALUE:

(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis

1056

Determined by Calorimeter

Calorimeter Verified (_____)

SULFUR CONTENT:

H₂S — Hydrogen Sulfide, Gr./100 cf

.01

RSH — Mercaptans "

.01

RSR — Sulfides "

.03

RSSR — Residuals "

.04

Total Sulfur, Gr./100 cf

.09

H₂S Grains to fraction conversion

X 0.0000157

H₂S Mole FractionCritical Pressure 676 Critical Temperature 361

REMARKS

4 Point Test Analysis

MEASUREMENT

AREA

P. M. A. R. C. F.

GAS

ANALYST

ASTON