



GAS QUALITY TEST REPORT

COMPANY SELLER DOUGLASSFIELD OR
LOCATION Rock TANKSOURCE OR
RESERVOIR HTOKSWELL OR
STATION NAME SOUTH FEDERAL #2

STA. NO. _____

CONTRACT NO. _____

TEST DATE 1/11/73LAB 4

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOL FRACTION	LIQUEFIABLE HYDROCARBONS	COMPONENT G. P. M.	MOL FRACTION	G. P. M. CONTENT
NITROGEN	.9672	.0071	PROPANE	27.514	.	.1073
CARBON DIOXIDE	1.5194	.	ISOBUTANE	32.698	.	.0196
HELIUM	.1322	.0001	N-BUTANE	31.510	.	.022
OXYGEN	1.1048	.	LPG -----			.1490
HYDROGEN SULFIDE	1.1766	.	ISO-PENTANE	36.582	.	.0125
WATER VAPOR	.6220	.	N-PENTANE	36.213	.	.0072
HYDROCARBON DILUENTS		.0134	HEXANES	41.111	.	.0164
METHANE	.5539	.1582	HEPTANES +	47.053	.	.0092
ETHANE	1.0382	.0219	NATURAL GASOLINE -----			.0511
PROPANE	1.5225	.0039	TOTAL LIQUEFIABLE GPM			.2001
ISO-BUTANE	2.0067	.0006	WATER VAPOR CONTENT:			
N-BUTANE	2.0067	.0007	Gas Mixture Static Pressure PSI			
ISO-PENTANE	2.4910	.0002	Hydrocarbon Dew Point °F			
N-PENTANE	2.4910	.0002	Water Vapor Dew Point °F			
HEXANES	2.9753	.0004	Lbs Water Vapor per MMCF			
HEPTANES +	3.4596	.0002	Conversion Constant			
			Water Vapor Volume fraction			
			Moisture recorder reading			
			Make or type			

COMPOSITION ----- 1.0000

MIXTURE SPECIFIC GRAVITY:

Calculated From Analysis .5819Determined by Test Instrument .580Instrument Make or Type Raytheon

MIXTURE HEATING VALUE:

(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis 1000

Determined by Calorimeter

Calorimeter Verified

SULFUR CONTENT:

H₂S - Hydrogen Sulfide, Gr./100 cf .01RSH - Mercaptans " .01RSR - Sulfides " .02RSSR - Residuals " .01Total Sulfur, Gr./100 cf .07H₂S Grains to fraction conversion

X .001572

H₂S Volume FractionCritical Pressure 677.3Critical Temperature 251.3

ANALYST

GAS

ANALYST