



GAS QUALITY TEST REPORT

COMPANY SELLER INERCOFIELD OR LOCATION CAT CLAW DR.SOURCE OR RESERVOIR STRAWNWELL OR STATION NAME M-MINN

CONTRACT NO. _____

TEST DATE 7/25/72LAB 4

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOL FRACTION	LIQUEFIABLE HYDROCARBONS	COMPONENT G. P. M.	MOL FRACTION	G. P. M. CONTENT
NITROGEN	.9672	.0088	PROPANE	27.514	.0119	.3274
CARBON DIOXIDE	1.5194	.0042	ISO-BUTANE	32.698	.0023	.0752
HELIUM	.1382	.0001	N-BUTANE	31.510	.0025	.0788
OXYGEN	1.1048	. —	LPG — — — — —			.4814
HYDROGEN SULFIDE	1.1766	. —	ISO-PENTANE	36.582	.0011	.0402
WATER VAPOR	.6220	. —	N-PENTANE	36.213	.0007	.0253
HYDROCARBON DILUENTS		(.0131)	HEXANES	41.111	.0005	.0206
			HEPTANES +	46.126	.0003	.0138
METHANE	.5539	.9187	NATURAL GASOLINE — — — — —			.0999
ETHANE	1.0382	.0489	TOTAL LIQUEFIABLE GPM			.5813
PROPANE	1.5225	.0119	WATER VAPOR CONTENT:			
ISO-BUTANE	2.0067	.0023	Gas Mixture Static Pressure PSI		395	
N-BUTANE	2.0067	.0025	Hydrocarbon Dew Point °F		73°	
ISO-PENTANE	2.4910	.0011	Water Vapor Dew Point °F		55°	
N-PENTANE	2.4910	.0007	Lbs Water Vapor per MMCF			
HEXANES	2.9753	.0005	Conversion Constant		X 0.002095	
HEPTANES +	3.4596	.0003	Water Vapor Volume fraction *		30% +	
			Moisture recorder reading			
			Make or type			

COMPOSITION — — — — — 1.0000

MIXTURE SPECIFIC GRAVITY:

Calculated From Analysis, .6093Determined by Test Instrument .611Instrument Make or Type KANARG

MIXTURE HEATING VALUE:

(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis 1057.3

Determined by Calorimeter _____

Calorimeter Verified (_____)

SULFUR CONTENT:

H₂S — Hydrogen Sulfide, Gr./100 cf .01RSH — Mercaptans " .01RSR — Sulfides " .01RSSR — Residuals " .02Total Sulfur, Gr./100 cf .04H₂S Grains to fraction conversion X .001572H₂S Volume Fraction _____Critical Pressure 672.9 Critical Temperature 378.9REMARKS Flowing thru DS+B Separator; 4" x 3" Orifice 425# + 15 1/2"
Dumping Approx 2 gal H₂O each 15 sec. 2475 W.H. PressureMEASUREMENT
AREA KosakGAS
ANALYST Huston