



GAS QUALITY TEST REPORT

COMPANY SELLER IGNNCOILSTA. NO. 1010 CFIELD OR LOCATION So. CARLSBAD

CONTRACT NO. _____

SOURCE OR RESERVOIR MORROW - Long String TEST DATE 2/27/6WELL OR STATION NAME GULF FED #2 LAB 4

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOLE FRACTION	LIQUEFIABLE HYDROCARBONS	COMPONENT G. P. M.	MOLE FRACTION	G. P. M. CONTENT
NITROGEN	.9672	.0043	PROPANE	27.514	.	
CARBON DIOXIDE	1.5195	.0121	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		(.0165)	HEXANES	41.111	.	
METHANE	.5539	.9569	HEPTANES +	46.126	.	
ETHANE	1.0382	.0197	NATURAL GASOLINE - - - - -			
PROPANE	1.5225	.0034	TOTAL LIQUEFIABLE GPM			
ISO-BUTANE	2.0068	.0005	WATER VAPOR CONTENT:			
N-BUTANE	2.0068	.0007	Gas Mixture Static Pressure PSI _____			
ISO-PENTANE	2.4910	.0004	Hydrocarbon Dew Point °F _____			
N-PENTANE	2.4910	.0002	Water Vapor Dew Point °F _____			
HEXANES	2.9753	.0011	Lbs Water Vapor per MMCF _____			
HEPTANES +	3.7018	.0006	Conversion Constant <u>X 0.000021</u>			
			Water Vapor Mole Fraction _____			
			Moisture recorder reading _____			
			Make or type _____			

COMPOSITION - - - - - 1.0000

MIXTURE SPECIFIC GRAVITY:

Calculated From Analysis .588Determined by Test Instrument .591Instrument Make or Type RANDOX

MIXTURE HEATING VALUE:

(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis 1011

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 conversion X 0.0000157H₂S Mole Fraction _____Critical Pressure 677 Critical Temperature 353

REMARKS _____

MEASUREMENT
AREA RosenGAS
ANALYST Arson