GAS QUALITY TEST REPORT

COMPANY SELLER [illegible] Inc.
FIELD OR LOCATION [illegible]
SOURCE OR RESERVOIR
WELL OR STATION NAME J.G. O'Brien #1
STA. NO. [illegible]
CONTRACT NO.
TEST DATE 07 24 81
LAB 4

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOLE FRACTION
NITROGEN	.9672	.0205
CARBON DIOXIDE	1.5195	.0627
HELIUM	.1382	.
OXYGEN	1.1048	.
HYDROGEN SULFIDE	1.1766	.
WATER VAPOR	.6220	.
HYDROCARBON DILUENTS		(.0832)
METHANE	.5539	.5883
ETHANE	1.0382	.1508
PROPANE	1.5225	.1154
ISO-BUTANE	2.0068	.0180
N-BUTANE	2.0068	.0294
ISO-PENTANE	2.4910	.0064
N-PENTANE	2.4910	.0048
HEXANES	2.9753	.0027
HEPTANES +	3.7018	.0010
COMPOSITION		1.0000

LIQUEFIABLE HYDROCARBONS	COMPONENT G.P.M.	MOLE FRACTION	G.P.M. CONTENT
PROPANE	27.514	.	
ISO-BUTANE	32.698	.	
N-BUTANE	31.510	.	
LPG			
ISO-PENTANE	36.582	.	
N-PENTANE	36.213	.	
HEXANES	41.111	.	
HEPTANES +	46.126	.	
NATURAL GASOLINE			
TOTAL LIQUEFIABLE GPM			

AUG 07 1981

WATER VAPOR CONTENT:

Gas Mixture Static Pressure PSI
Hydrocarbon Dew Point °F
Water Vapor Dew Point °F
Lbs Water Vapor per MMCF
Conversion Constant X 0.000021
Water Vapor Mole Fraction .

Moisture recorder reading
Make or type

MIXTURE SPECIFIC GRAVITY:

Calculated From Analysis Real .912
Determined by Test Instrument .920
Instrument Make or Type Ranarex

MIXTURE HEATING VALUE:
(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis 1355
Determined by Calorimeter .
Calorimeter Verified ( )

SULFUR CONTENT:

H_2S – Hydrogen Sulfide, Gr./100 cf .
RSH – Mercaptans " .
RSR – Sulfides " .
RSSR – Residuals " .
Total Sulfur, Gr./100 cf .
H_2S Grains to fraction conversion X 0.0000157
H_2S Mole Fraction

Critical Pressure Critical Temperature

REMARKS Sample Bottle 22# Sulfur Smell Present, But Not Identifyable As Either H_2S or Methyl Mercaptan By Bendix Analyzer

MEASUREMENT AREA Roswell
GAS ANALYST Alston