



GAS QUALITY TEST REPORT

COMPANY SELLER MIDWEST O.FIELD OR
LOCATIONSOURCE OR
RESERVOIRMORROWWELL OR
STATION NAMESOUTH CAMPBELL DEEP UNIT

STA. NO.

CONTRACT NO.

TEST DATE 11, 30, 71LAB 4RLW used this Analysis to Calculate
Well #12 Test of 1-28-77

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOL FRACTION	LIQUEFIABLE HYDROCARBONS	COMPONENT G. P. M.	MOL FRACTION	G. P. M. CONTENT
NITROGEN	.9672	.0054	PROPANE	27.514	.0294	.8089
CARBON DIOXIDE	1.5194	.0041	ISO-BUTANE	32.698	.0036	.1177
HELIUM	.1382	.0001	N-BUTANE	31.510	.0068	.2143
OXYGEN	1.1048	.0019	LPG - - - - -			1.1409
HYDROGEN SULFIDE	1.1766	-	ISO-PENTANE	36.582	.0015	.0549
WATER VAPOR	.6220	-	N-PENTANE	36.213	.0013	.0471
HYDROCARBON DILUENTS		(.0115)	HEXANES	41.111	.0006	.0247
METHANE	.5539	.8709	HEPTANES +	46.126	.0003	.0138
ETHANE	1.0382	.0741	NATURAL GASOLINE - - - - -			.1405
PROPANE	1.5225	.0294	TOTAL LIQUEFIABLE GPM			1.2814
ISO-BUTANE	2.0067	.0036	WATER VAPOR CONTENT:			
N-BUTANE	2.0067	.0068	Gas Mixture Static Pressure PSI			
ISO-PENTANE	2.4910	.0015	Hydrocarbon Dew Point °F			
N-PENTANE	2.4910	.0013	Water Vapor Dew Point °F			
HEXANES	2.9753	.0006	Lbs Water Vapor per MMCF			
HEPTANES +	3.4596	.0003	Conversion Constant			X 0.002095
			Water Vapor Volume fraction			
			Moisture recorder reading			
			Make or type			

COMPOSITION - - - - - 1.0000

MIXTURE SPECIFIC GRAVITY:

Calculated From Analysis

.6483

Determined by Test Instrument

.650

Instrument Make or Type

RAIRMAN

MIXTURE HEATING VALUE:

(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis

1120.0

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 .001572

H₂S Volume FractionCritical Pressure 572.7 Critical Temperature 375.0REMARKS Well Test Sample Bottle Drawn 11-27-71 By J. Moore

MEASUREMENT

RoswellGAS
ANALYSTAlvin