



GAS QUALITY TEST REPORT

COMPANY SELLER

MOBIL OIL

STA. NO.

FIELD OR
LOCATION

S. CARLSBAD

CONTRACT NO.

SOURCE OR
RESERVOIR

CANYON

TEST DATE

9/29/73

WELL OR
STATION NAME

FEDERAL "LL" Com #1

LAB

4

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOL FRACTION	LIQUEFIABLE HYDROCARBONS	COMPONENT G. P. M.	MOL FRACTION	G. P. M. CONTENT
NITROGEN	.9672	.0057	PROPANE	27.514	.	.5475
CARBON DIOXIDE	1.5194	.0027	ISO-BUTANE	32.698	.	.1373
HELIUM	.1382	.0001	N-BUTANE	31.510	.	.2048
OXYGEN	1.1048	.0031	LPG - - - - -			.8896
HYDROGEN SULFIDE	1.1766	.	ISO-PENTANE	36.582	.	.0695
WATER VAPOR	.6220	.	N-PENTANE	36.213	.	.0616
HYDROCARBON DILUENTS		(.0116)	HEXANES	41.111	.	.0617
			HEPTANES +	46.126	.	.0369
METHANE	.5539	.8685	NATURAL GASOLINE - - - - -			.2297
ETHANE	1.0382	.0834	TOTAL LIQUEFIABLE GPM			1.1193
PROPANE	1.5225	.0199	WATER VAPOR CONTENT:			
ISO-BUTANE	2.0067	.0042	Gas Mixture Static Pressure PSI			
N-BUTANE	2.0067	.0065	Hydrocarbon Dew Point °F			
ISO-PENTANE	2.4910	.0019	Water Vapor Dew Point °F			
N-PENTANE	2.4910	.0017	Lbs Water Vapor per MMCF			
HEXANES	2.9753	.0015	Conversion Constant			X 0.002095
HEPTANES +	3.4596	.0008	Water Vapor Volume fraction			
			Moisture recorder reading			
			Make or type			

COMPOSITION - - - - - 1.0000

MIXTURE SPECIFIC GRAVITY:

Calculated From Analysis

6486

Determined by Test Instrument

650

Instrument Make or Type

CANARY

MIXTURE HEATING VALUE:

(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis

1121.5

Determined by Calorimeter

Calorimeter Verified ()

SULFUR CONTENT:

H₂S - Hydrogen Sulfide, Gr./100 cf.

RSH - Mercaptans

"

.01

RSR - Sulfides

"

.01

RSSR - Residuals

"

.01

Total Sulfur, Gr./100 cf

.03

H₂S Grains to fraction conversion

X .001572

H₂S Volume Fraction

Critical Pressure 672.6 Critical Temperature 375.0

REMARKS

MEASUREMENT
AREA

Rosen

GAS

ANALYST

Auston

TW-232-A (REV. 1-68)