



GAS QUALITY TEST REPORT

COMPANY SELLER

BEARD OIL CO

STA. NO.

FIELD OR
LOCATION

WILDCAT

CONTRACT NO.

SOURCE OR
RESERVOIR

ATOKA

TEST DATE

08/03/78

WELL OR
STATION NAME

McCAW #1

LAB

4

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOLE FRACTION	LIQUEFIABLE HYDROCARBONS	COMPONENT G. P. M.	MOLE FRACTION	G. P. M. CONTENT
NITROGEN	.9672	.0103	PROPANE	27.514	.	
CARBON DIOXIDE	1.5195	.0018	ISO-BUTANE	32.698	.	
HELIUM	.1382	.	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		(.0161)	HEXANES	41.111	.	
METHANE	.5539	.9146	HEPTANES +	46.126	.	
ETHANE	1.0382	.0438	NATURAL GASOLINE - - - - -			
PROPANE	1.5225	.0148	TOTAL LIQUEFIABLE GPM			
ISO-BUTANE	2.0068	.0031	WATER VAPOR CONTENT:			
N-BUTANE	2.0068	.0034	Gas Mixture Static Pressure PSI			
ISO-PENTANE	2.4910	.0016	Hydrocarbon Dew Point °F			
N-PENTANE	2.4910	.0007	Water Vapor Dew Point °F			
HEXANES	2.9753	.0010	Lbs Water Vapor per MMCF			
HEPTANES +	3.7018	.0001	Conversion Constant			
			Water Vapor Mole Fraction			
			Moisture recorder reading			
			Make or type			

COMPOSITION - - - - - 1.0000

MIXTURE SPECIFIC GRAVITY:

Calculated From Analysis

.618

Determined by Test Instrument

.619

Instrument Make or Type

Rux

MIXTURE HEATING VALUE:

(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis

1064

Determined by Calorimeter

Calorimeter Verified ()

SULFUR CONTENT:

H₂S - Hydrogen Sulfide, Gr./100 cf

.04

RSH - Mercaptans

.03

RSR - Sulfides

.01

RSSR - Residuals

.10

Total Sulfur, Gr./100 cf

.22

H₂S Grains to fraction conversion

X 0.0000157

H₂S Mole Fraction

Critical Pressure Critical Temperature

REMARKS 4 POINT TEST

MEASUREMENT
AREA

Rorwen

GAS

ANALYST

A. J. Rorwen