



GAS QUALITY TEST REPORT

COMPANY SELLER BEARD OIL Co
FIELD OR LOCATION WC
SOURCE OR RESERVOIR _____
WELL OR STATION NAME HAGSTROM #1
STA. NO. -
CONTRACT NO. -
TEST DATE 03/29/78
LAB 4

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOLE FRACTION	LIQUEFIABLE HYDROCARBONS	COMPONENT G. P. M.	MOLE FRACTION	G. P. M. CONTENT
NITROGEN	.9672	.0243	PROPANE	27.514	.	
CARBON DIOXIDE	1.5195	.0112	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		(.0855)	HEXANES	41.111	.	
METHANE	.5539	.9037	HEPTANES +	46.126	.	
ETHANE	1.0382	.0399	NATURAL GASOLINE - - - - -			
PROPANE	1.5225	.0118	TOTAL LIQUEFIABLE GPM			
ISO-BUTANE	2.0068	.0027	WATER VAPOR CONTENT:			
N-BUTANE	2.0068	.0027	Gas Mixture Static Pressure PSI _____			
ISO-PENTANE	2.4910	.0015	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	.0005	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 .622Determined by Test Instrument .623Instrument Make or Type Rux

MIXTURE HEATING VALUE:

(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis 1033

Determined by Calorimeter _____

Calorimeter Verified (_____) _____

SULFUR CONTENT:

H₂S - Hydrogen Sulfide, Gr./100 cf .05RSH - Mercaptans " .01RSR - Sulfides " .03RSSR - Residuals " .06Total Sulfur, Gr./100 cf .15H₂S Grains to fraction conversion X 0.0000157H₂S Mole Fraction _____

Critical Pressure _____ Critical Temperature _____

REMARKS _____

MEASUREMENT

AREA Lowen

GAS

ANALYST Arrol