



GAS QUALITY TEST REPORT

COMPANY SELLER YATES PET. L. STA. NO. _____
FIELD OR LOCATION UND. CONTRACT NO. _____
SOURCE OR RESERVOIR MORROW TEST DATE 1/20/71
WELL OR STATION NAME YATES "CE" #1-B-8-18-25 LAB 4

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOLE FRACTION	LIQUEFIABLE HYDROCARBONS	COMPONENT G. P. M.	MOLE FRACTION	G. P. M. CONTENT
NITROGEN	.9672	.0031	PROPANE	27.514	.	
CARBON DIOXIDE	1.5195	.0220	ISO-BUTANE	32.698	.	
HELIUM	.1382	.0001	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		(.0212)	HEXANES	41.111	.	
METHANE	.5539	.9242	HEPTANES +	46.126	.	
ETHANE	1.0382	.0362	NATURAL GASOLINE - - - - -			
PROPANE	1.5225	.0094	TOTAL LIQUEFIABLE GPM			
ISO-BUTANE	2.0068	.0014	WATER VAPOR CONTENT:			
N-BUTANE	2.0068	.0018	Gas Mixture Static Pressure PSI _____			
ISO-PENTANE	2.4910	.0008	Hydrocarbon Dew Point °F _____			
N-PENTANE	2.4910	.0004	Water Vapor Dew Point °F _____			
HEXANES	2.9753	.0004	Lbs Water Vapor per MMCF _____			
HEPTANES +	3.7018	.0002	Conversion Constant X 0.000021			
			Water Vapor Mole Fraction _____			
			Moisture recorder reading _____			
			Make or type _____			

COMPOSITION - - - - - 1.0000

MIXTURE SPECIFIC GRAVITY:

Calculated From Analysis 612
Determined by Test Instrument 614
Instrument Make or Type Ranney

MIXTURE HEATING VALUE:

(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis 1026
Determined by Calorimeter _____
Calorimeter Verified () _____

SULFUR CONTENT:

USA = No TRACE
H₂S - Hydrogen Sulfide, Gr./100 cf _____
RSH - Mercaptans " _____
RSR - Sulfides " _____
RSSR - Residuals " _____
Total Sulfur, Gr./100 cf _____
H₂S Grains to fraction conversion X 0.0000157 _____
H₂S Mole Fraction _____

Critical Pressure 681 Critical Temperature 360

REMARKS 4 Point Well TestMEASUREMENT
AREA RoswellGAS
ANALYST ASTON