



GAS QUALITY TEST REPORT

COMPANY SELLER OVER
 FIELD OR LOCATION Sec 28-24-26 EDDY Co.
 SOURCE OR RESERVOIR MORROW # 1118-196
 WELL OR STATION NAME WHITE CITY PENN Com # 3 Well # 1

STA. NO. _____
 CONTRACT NO. _____
 TEST DATE 1/18/70
 LAB 4

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOLE FRACTION	LIQUEFIABLE HYDROCARBONS	COMPONENT G. P. M.	MOLE FRACTION	G. P. M. CONTENT
NITROGEN	.9672	.0022	PROPANE	27.514	.	
CARBON DIOXIDE	1.5195	.0113	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		(.0136)	HEXANES	41.111	.	
METHANE	.5539	.9696	HEPTANES +	46.126	.	
ETHANE	1.0382	.0145	NATURAL GASOLINE -----			
PROPANE	1.5225	.0018	TOTAL LIQUEFIABLE GPM			
ISO-BUTANE	2.0068	.0002	WATER VAPOR CONTENT:			
N-BUTANE	2.0068	.0002	Gas Mixture Static Pressure PSI _____			
ISO-PENTANE	2.4910	.0001	Hydrocarbon Dew Point °F _____			
N-PENTANE	2.4910	-	Water Vapor Dew Point °F _____			
HEXANES	2.9753	-	Lbs Water Vapor per MMCF _____			
HEPTANES +	3.7018	-	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 .575
 Determined by Test Instrument .579
 Instrument Make or Type Robertson

MIXTURE HEATING VALUE:
(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis 998
 Determined by Calorimeter _____
 Calorimeter Verified (_____)

SULFUR CONTENT:

H₂S - Hydrogen Sulfide, Gr./100 cf _____
 RSH - Mercaptans " .03
 RSR - Sulfides " .04
 RSSR - Residuals " .03
 Total Sulfur, Gr./100 cf .10
 H₂S Grains to fraction conversion X 0.0000157
 H₂S Mole Fraction _____

Critical Pressure 678 Critical Temperature 350

REMARKS 1 Run Wsu Test

TESTER

Robertson

GAS ANALYST

AUSTON