



GAS QUALITY TEST REPORT

COMPANY SELLER Arco STA. NO. —
FIELD OR LOCATION — CONTRACT NO. —
SOURCE OR RESERVOIR MORROW TEST DATE 05/18/77
WELL OR STATION NAME ROBINSON #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	. 0070	PROPANE	27.514	.	
CARBON DIOXIDE	1.5195	. 0027	ISO-BUTANE	32.698	.	
HELIUM	.1382	.	N-BUTANE	31.510	.	
OXYGEN	1.1048	. 0003	LPG ————			
HYDROGEN SULFIDE	1.1766	.	ISO-PENTANE	36.582	.	
WATER VAPOR	.6220	.	N-PENTANE	36.213	.	
HYDROCARBON DILUENTS		(. 0100)	HEXANES	41.111	.	
			HEPTANES +	46.126	.	
METHANE	.5539	. 8500	NATURAL GASOLINE ————			
ETHANE	1.0382	. 0890	TOTAL LIQUEFIABLE GPM			
PROPANE	1.5225	. 0336	WATER VAPOR CONTENT:			
ISO-BUTANE	2.0068	. 0046	Gas Mixture Static Pressure PSI _____			
N-BUTANE	2.0068	. 0070	Hydrocarbon Dew Point °F _____			
ISO-PENTANE	2.4910	. 0020	Water Vapor Dew Point °F _____			
N-PENTANE	2.4910	. 0015	Lbs Water Vapor per MMCF _____			
HEXANES	2.9753	. 0013	Conversion Constant <u>X 0.000021</u>			
HEPTANES +	3.7018	. 0010	Water Vapor Mole Fraction _____			
			Moisture recorder reading _____			
			Make or type _____			

COMPOSITION ———— 1.0000

MIXTURE SPECIFIC GRAVITY:

Calculated From Analysis .665
Determined by Test Instrument .672
Instrument Make or Type KANARAY

MIXTURE HEATING VALUE:

(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis 1150
Determined by Calorimeter _____
Calorimeter Verified (_____)

SULFUR CONTENT:

No TRACE H₂S
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 _____ Critical Temperature _____

REMARKS 4 Point Well TestMEASUREMENT
AREA ROSWENGAS
ANALYST ARSON