



GAS QUALITY TEST REPORT

COMPANY SELLER Adams Oil Co.FIELD OR
LOCATION Rock TankSOURCE OR
RESERVOIR MORROWWELL OR
STATION NAME SMITH FEDERAL #2

STA. NO. _____

CONTRACT NO. _____

TEST DATE 1, 11, 73LAB 1

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOL FRACTION	LIQUEFIABLE HYDROCARBONS	COMPONENT G. P. M.	MOL FRACTION	G. P. M. CONTENT
NITROGEN	.9672	.0075	PROPANE	27.514	.	.1101
CARBON DIOXIDE	1.5194	.0076	ISO-BUTANE	32.698	.	.0196
HELIUM	.1382	.0001	N-BUTANE	31.510	.	.0221
OXYGEN	1.1048	-	LPG - - - - -			.1512
HYDROGEN SULFIDE	1.1766	-	ISO-PENTANE	36.582	.	.0110
WATER VAPOR	.6220	-	N-PENTANE	36.213	.	.0036
HYDROCARBON DILUENTS		.0152	HEXANES	41.111	.	.0164
METHANE	.5539	.7556	HEPTANES +	46.126	.	.0092
ETHANE	1.0382	.0229	NATURAL GASOLINE - - - - -			.0402
PROPANE	1.5225	.0040	TOTAL LIQUEFIABLE GPM			.1920
ISO-BUTANE	2.0067	.0006	WATER VAPOR CONTENT:			
N-BUTANE	2.0067	.0007	Gas Mixture Static Pressure PSI			
ISO-PENTANE	2.4910	.0003	Hydrocarbon Dew Point °F			
N-PENTANE	2.4910	.0001	Water Vapor Dew Point °F			
HEXANES	2.9753	.0004	Lbs Water Vapor per MMCF			
HEPTANES +	3.4596	.0002	Conversion Constant			X 0.002095
			Water Vapor Volume fraction			
			Moisture recorder reading			
			Make or type			

COMPOSITION - - - - - 1.0000

MIXTURE SPECIFIC GRAVITY:

Calculated From Analysis .5834Determined by Test Instrument .583Instrument Make or Type PANALUX

MIXTURE HEATING VALUE:

(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis 1010.9

Determined by Calorimeter _____

Calorimeter Verified () _____

SULFUR CONTENT:

H₂S - Hydrogen Sulfide, Gr./100 cf .02RSH - Mercaptans " .01RSR - Sulfides " .03RSSR - Residuals " .04Total Sulfur, Gr./100 cf .10H₂S Grains to fraction conversion X .001572H₂S Volume Fraction _____Critical Pressure 624.2 Critical Temperature 351.6REMARKS 1 Point Well TestMEASUREMENT
AREA RoswellGAS
ANALYST ASTON