

**NEW-TEX
LAB**

PHONE 505/393-3551

P. O. BOX 1161

611 W. SNYDER

CASE NO. HOBBS, NEW MEXICO 88240

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

APOLLO EXHIBIT NO. 4
9043

ANALYSIS CERTIFICATE

CLIENT: APOLLO OIL CO
ADDRESS: BOX 1737
CITY, STATE: HOBBS, NM 88240

ANALYSIS NUMBER: 9368
DATE OF RUN: 05 24 86
DATE SECURED: 05 23 86

SAMPLE IDENT: APOLLO - STATE "E" TRACT 17 WELL #5
SAMPLING PRESS: SAMPLING TEMP:

***** GAS ANALYSIS *****

	MOLE PERCENT	GAL/ MCF
NITROGEN	40.932	
CARBON DIOXIDE	0.067	
METHANE	45.619	
ETHANE	7.486	1.997
PROPANE	3.435	0.943
ISO-BUTANE	0.449	0.147
NORMAL BUTANE	1.012	0.318
ISO-PENTANE	0.246	0.091
NORMAL PENTANE	0.241	0.087
HEXANES	0.513	0.210
TOTAL	100.000	3.793

PROPANE GPM: 0.94 BUTANES GPM: 0.46
ETHANE GPM: 2.00 PENTANES PLUS GPM: 0.39

SPECIFIC GRAV (CALC): 0.8368
MOLE WEIGHT: 24.24

HHV-BTU/CU FT	PRESSURE (PSIA)	WET	DRY
	14.696	758	772
	14.650	756	770
	14.730	760	774
	14.735	760	774

ORIGINAL SIGNED BY
DEANE SIMPSON

DEANE SIMPSON

**NEW-TEX
LAB**

PHONE 505/393-3551

P. O. BOX 1161

811 W. SNYDER

HOBBS, NEW MEXICO 88240

ANALYSIS CERTIFICATE

CLIENT: APOLLO OIL CO
ADDRESS: BOX 1737
CITY, STATE: HOBBS, NM 88240

ANALYSIS NUMBER: 9367
DATE OF RUN: 05 24 86
DATE SECURED: 05 23 86

SAMPLE IDENT: TEXACO - STATE "BL" #1
SAMPLING PRESS: SAMPLING TEMP:

***** GAS ANALYSIS *****

	MOLE PERCENT	GAL/ MCF
NITROGEN	36.569	
CARBON DIOXIDE	0.096	
METHANE	48.404	
ETHANE	8.214	2.191
PROPANE	4.206	1.155
ISO-BUTANE	0.534	0.174
NORMAL BUTANE	1.168	0.367
ISO-PENTANE	0.234	0.086
NORMAL PENTANE	0.225	0.081
HEXANES	0.350	0.144
TOTAL	100.000	4.198

PROPANE GPM:	1.16	BUTANES GPM:	0.54
ETHANE GPM:	2.19	PENTANES PLUS GPM:	0.31

SPECIFIC GRAV (CALC): 0.8289
MOLE WEIGHT: 24.01

HHV-BTU/CU FT	PRESSURE (PSIA)	WET	DRY
	14.696	817	831
	14.650	814	828
	14.730	818	833
	14.735	819	833

ORIGINAL SIGNED BY
DEANE SIMPSON

DEANE SIMPSON

**NEW-TEX
LAB**

PHONE 505/383-3551

P. O. BOX 1151

611 W. SNYDER

HOBBS, NEW MEXICO 88240

ANALYSIS CERTIFICATE

CLIENT: APOLLO OIL CO
ADDRESS: BOX 1737
CITY, STATE: HOBBS, NM 88240

ANALYSIS NUMBER: 9369
DATE OF RUN: 05 24 86
DATE SECURED: 05 23 86

SAMPLE IDENT: READ & STEVENS - STATE "AL" COMM
SAMPLING PRESS: SAMPLING TEMP:

***** GAS ANALYSIS *****

	MOLE PERCENT	GAL/ MCF
NITROGEN	33.032	
CARBON DIOXIDE	0.086	
METHANE	49.408	
ETHANE	9.415	2.511
PROPANE	4.882	1.340
ISO-BUTANE	0.621	0.203
NORMAL BUTANE	1.370	0.431
ISO-PENTANE	0.316	0.116
NORMAL PENTANE	0.293	0.106
HEXANES	0.577	0.237
TOTAL	100.000	4.944

PROPANE GPM: 1.34 BUTANES GPM: 0.63
ETHANE GPM: 2.51 PENTANES PLUS GPM: 0.46

SPECIFIC GRAV (CALC): 0.8394
MOLE WEIGHT: 24.31

HHV-BTU/CU FT	PRESSURE (PSIA)	WET	DRY
	14.696	890	906
	14.650	887	903
	14.730	892	908
	14.735	892	908

ORIGINAL SIGNED BY
DEANE SIMPSON

DEANE SIMPSON