

**NEW-TEX
LAB**

PHONE 505/393-3581

P. O. BOX 1161

611 W. SNYDER

HOBBS, NEW MEXICO 88240

ANALYSIS CERTIFICATE

CLIENT: BENNETT & CATHEY
ADDRESS: BOX 787
CITY, STATE: ARTESIA, NM 88210

ANALYSIS NUMBER: 5947
DATE OF RUN: 2 12 85
DATE SECURED: 2 12 85

SAMPLE IDENT: SOUTHLAND ROYALTY - EMPIRE FED 16 W #1
SAMPLING PRESS: 500 PSIG SAMPLING TEMP: 85 DEG F

REMARKS: 1.5 MCF
REMARKS: EDDY COUNTY, NM

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

	MOLE PERCENT	GAL/ MCF
NITROGEN	23.384	
CARBON DIOXIDE	0.130	
METHANE	65.835	
ETHANE	6.474	1.727
PROPANE	1.784	0.490
ISO-BUTANE	0.315	0.103
NORMAL BUTANE	0.734	0.231
ISO-PENTANE	0.345	0.127
NORMAL PENTANE	0.443	0.160
HEXANES	0.556	0.228
TOTAL	100.000	3.066

PROPANE GPM:	0.49	BUTANES GPM:	0.33
ETHANE GPM:	1.73	PENTANES PLUS GPM:	0.52

SPECIFIC GRAV (CALC): 0.7450
MOLE WEIGHT: 21.58

HHV-BTU/CU FT	PRESSURE (PSIA)	WET	DRY
	14.696	901	917
	14.650	899	915
	14.730	903	919
	14.735	904	920

DEANE SIMPSON