

NEW-TEX LAB

PHONE 505/393-3561

P. O. BOX 1161

611 W. SNYDER

HOBBS, NEW MEXICO 88240

ANALYSIS CERTIFICATE

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

ANALYSIS NUMBER: 4670
DATE OF RUN: 10 14 84
DATE SECURED: 10 13 84

SAMPLE IDENT: YATES DRILLING - PHILLIES #1
SAMPLING PRESS: 320 PSIG SAMPLING TEMP:

REMARKS: QUEENS FORMATION
REMARKS: LEA COUNTY NEW MEXICO

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

	MOLE PERCENT	GAL/ MCF
NITROGEN	72.896	
CARBON DIOXIDE	0.000	
METHANE	20.332	
ETHANE	3.994	1.065
PROPANE	1.470	0.404
ISO-BUTANE	0.129	0.041
NORMAL BUTANE	0.260	0.082
ISO-PENTANE	0.085	0.031
NORMAL PENTANE	0.100	0.036
HEXANES	0.734	0.301
TOTAL	100.000	1.961

PROPANE GPM: 0.40 BUTANES GPM: 0.12
ETHANE GPM: 1.07 PENTANES PLUS GPM: 0.37

SPECIFIC GRAV (CALC): 0.9164
MOLE WEIGHT: 26.54

HHV-BTU/CU FT	PRESSURE (PSIA)	WET	DRY
14.696		363	369
14.650		362	368
14.730		363	370
14.735		364	370

[Handwritten Signature]