



LABORATORY SERVICES

1331 Tasker Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Bennett & Cathey
Attention: Mr. Monty Randolph
P. O. Box 787
Artesia, New Mexico 88210

SAMPLE
IDENTIFICATION: Lonesome Dove #1
COMPANY: Yates Energy Corporation
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 7/19/89 1:40 PM
ANALYSIS DATE: 7/19/89
PRESSURE — PSIG 100
TEMPERATURE — °F: 70
Atmos. Temp. 100

GAS (x) LIQUID ()
SAMPLED BY: Rick Hatchett
ANALYSIS BY: Rolland Perry

REMARKS:

COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM	LIQ. VOL. PERCENT
Hydrogen Sulfide	(H2S)	0		
Nitrogen	(N2)	0.15		
Carbon Dioxide	(CO2)	0.47		
Methane	(C1)	94.86		
Ethane	(C2)	3.01	0.768	
Propane	(C3)	0.63	0.174	
I-Butane	(IC4)	0.15	0.049	
N-Butane	(NC4)	0.18	0.057	
I-Pentane	(IC5)	0.12	0.044	
N-Pentane	(NC5)	0.10	0.036	
Hexane	(C6)	0.13	0.060	
Heptanes Plus	(C7+)	0.20	0.112	
		100.00	1.300	

BTU/CU. FT.—DRY 1067
AT 14.650 WET 1046

SPECIFIC GRAVITY—CALCULATED 0.598
MEASURED

VAPOR PRESSURE (ABSOLUTE)—CALCULATED

26# GASOLINE— 0.272

CU. FT./GAL. —