



Laboratory Services, Inc.

1331 Tasker Drive
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

FOR: Pro Well Testing & Wireline
Attention: Mr. Ray Ables
P. O. Box 791
Hobbs, New Mexico 88241

SAMPLE
IDENTIFICATION: Tom Cat 21 #1
COMPANY: Penwell Energy
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 7/3/97 1:45 PM
ANALYSIS DATE: 7/3/97
PRESSURE - PSIG 560
SAMPLE TEMP. °F 82
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: Ray Ables
ANALYSIS BY: Vickie Walker

REMARKS: Sample taken @ the meter run.

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.91	
Carbon Dioxide (CO2)	0.66	
Methane (C1)	94.76	
Ethane (C2)	2.80	0.748
Propane (C3)	0.55	0.151
I-Butane (IC4)	0.10	0.032
N-Butane (NC4)	0.10	0.030
I-Pentane (IC5)	0.05	0.018
N-Pentane (NC5)	0.03	0.009
Hexane Plus (C6+)	0.04	0.017
	100.00	1.005

BTU/CU.FT. - DRY 1032
AT 14.650 DRY 1029
AT 14.650 WET 1011
AT 14.73 DRY 1034
AT 14.73 WET 1016

MOLECULAR WT. 17.0322

SPECIFIC GRAVITY -
CALCULATED 0.588
MEASURED