



ANALYTICAL LABORATORY, INC.
 424 Greenwood • Wichita, Kansas 67211 • (316) 269-4200

EXTENDED NATURAL GAS ANALYSIS

COMPANY NAME: Bear Petroleum

Lab #: 135505

Sample I.D.: G. Britton

SETT#: n/a

COUNTY: Edwards Co.

LEGAL LOCATION: n/a

DATE SAMPLED: 5/23/01

SAMPLER: D. Schrammer

SAMPLE PRESSURE: n/a

TEMPERATURE (F): n/a

DATE ANALYZED: 5/24/01

QUALITY CONTROL DATE: 5/24/01

ANALYSIS

CALCULATED AT 14.650 PSIA, 60 F, NORMALIZED

COMPONENT	MOLAL %	BTU AMOUNT	GPM
METHANE	79.16	797.01	
ETHANE	2.4	42.34	0.64
PROPANE	0.75	18.81	0.21
ISOBUTANE	0.08	2.59	0.03
NORMAL BUTANE	0.11	3.58	0.03
ISOPENTANE	0.02	0.8	0.01
NORMAL PENTANE	0.01	0.4	0
HEXANES+	0.15	7.57	0.06
NITROGEN	14.06		
OXYGEN	0		
CARBON DIOXIDE	2.49		
HELIUM	0.5		
HYDROGEN	0.27		
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TOTALS	100	874	0.98

BTU/FT³ DRY (IDEAL GROSS): 874
 BTU/FT³ SATURATED (IDEAL GROSS): 859.56

BTU/FT³ DRY (REAL GROSS): 875.5
 BTU/FT³ SATURATED (REAL GROSS): 861

SPECIFIC GRAVITY: 0.6588
 COMPRESSIBILITY: 0.9983
 GPM: 0.98

RESPECTFULLY SUBMITTED

PRIORITY ANALYTICAL LAB

Hexanes+ parameters: BTU (dry)-5085.8; S.G. -3.1785; Summation factor -.0881, at 14.896 psia.
 Analyzed and calculated by: Modified GPA 2281-90, 2145-04 & 2172-68.