



PRIORITY

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

EXTENDED NATURAL GAS ANALYSTS

COMPANY NAME: CHARTER PRODUCTION LAB# 9213576
SAMPLE ID: PITMAN #1
SETT #: DST #1--TD 4588-4631--LKC ZONE C
COUNTY: SEWARD LEGAL LOCATION: N/A--
DATE SAMPLED: JULY 16 1992 SAMPLER: TRILOBITE
SAMPLE PRESSURE: 150 TEMPERATURE (F): N/A
DATE ANALYZED: JULY 22 1992
QUALITY CONTROL DATE: JULY 22 1992

*****ANALYSIS*****CALCULATED AT 14.65 PSIA. AT 60 F**NORMALIZED*****

HYDROCARBONS	MOLAL%	LIQUID VOLUME%	BTU AMOUNT	GPM
METHANE	62.19	61.53	626.15	0
ETHANE	5.27	8.23	92.97	0
PROPANE	4.57	7.35	114.63	1.25
ISO-BUTANE	.5	.96	16.21	.16
NORMAL-BUTANE	1.25	2.3	40.65	.39
ISO-PENTANE	.26	.56	10.37	.09
NORMAL-PENTANE	.5	.63	11.99	.11
3-METHYLPENTANE	*			
2,3-DIMETHYLBUTANE	*			
2-METHYLPENTANE	*			
CYCLOPENTANE	*			
NORMAL HEXANE	*			
HEXANES+	1.17	2.83	59.08	.5
NITROGEN	23.9	13.36	0	0
OXYGEN	0	0	0	0
CARBON DIOXIDE	.04	.04	0	0
HELIUM	.26	.21	0	0
HYDROGEN	.19		.61	
TOTALS*****	100	100	972.66	2.5

BTU/FT³ DRY (IDEAL GROSS): 972.66
BTU/FT³ SATURATED (IDEAL GROSS): 956.52
IDEAL SPECIFIC GRAVITY: .7875
COMPRESSIBILITY: .9975
GPM: 2.5
*=COMBINED WITH HEXANES+

RESPECTFULLY SUBMITTED

David D. Foxhall

PRIORITY ANALYTICAL LAB