



424 Greenwood • Wichita, Kansas 67211 • (316) 269-4200

 EXTENDED NATURAL GAS ANALYSIS

COMPANY NAME: ENSIGN OPERATING LAB# 9315942
 SAMPLE ID: BOALDIN 1-21 / DST-1 / KEYS FORMATION
 SETT #: N/A
 COUNTY: MORTON LEGAL LOCATION: 21-35-43W
 DATE SAMPLED: N/A 0 SAMPLER: TRILOBITE
 SAMPLE PRESSURE: N/A TEMPERATURE (F): N/A
 DATE ANALYZED: MAY 29 1993
 QUALITY CONTROL DATE: MAY 29 1993

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

HYDROCARBONS	MOLAL%	LIQUID VOLUME%	BTU AMOUNT	GPM
METHANE	76.32	73.68	768.42	0
ETHANE	4.39	6.69	77.44	0
PROPANE	3.1	4.86	77.75	.85
ISO-BUTANE	.53	.99	17.18	.17
NORMAL-BUTANE	.99	1.78	32.2	.31
ISO-PENTANE	.26	.54	10.37	.09
NORMAL-PENTANE	.29	.6	11.59	.1
3-METHYLPENTANE	*			
2,3-DIMETHYLBUTANE	*			
2-METHYLPENTANE	*			
CYCLOPENTANE	*			
NORMAL HEXANE	*			
HEXANES+	.91	2.14	45.95	.39
NITROGEN	10.33	6.48	0	0
OXYGEN	0	0	0	0
CARBON DIOXIDE	1.5	1.44	0	0
HELIUM	1.38	.8	0	
HYDROGEN	TRACE (<.01)			
TOTALS*****	100	100	1040.9	1.91

BTU/FT³ DRY (IDEAL GROSS): 1040.9
 BTU/FT³ SATURATED (IDEAL GROSS): 1023.56
 IDEAL SPECIFIC GRAVITY: .7132
 COMPRESSIBILITY: .9973
 GPM: 1.91
 *COMBINED WITH HEXANES+

RESPECTFULLY SUBMITTED

PRIORITY ANALYTICAL LAB