



PROJECT NO. : 201006016 ANALYSIS NO. : 01
 COMPANY NAME : FOUNDATION ENERGY ANALYSIS DATE: JUNE 2, 2010
 ACCOUNT NO. : SAMPLE DATE : JUNE 1, 2010
 PRODUCER : TO:
 LEASE NO. : CYLINDER NO. : 1039
 NAME/DESCRIP : HIRSCH 2-20 -05-00/-08376

FIELD DATA

SAMPLED BY : JOHN MOSER-EMPACT SAMPLE TEMP. : 78
 SAMPLE PRES. : 225 AMBIENT TEMP.:
 COMMENTS : SPOT; NO PROBE
 PULLED FROM WELLHEAD (CASING SIDE)

COMPONENTS	NORM. MOLE%	GPM @ 14.65	GPM @ 14.73
HELIUM	0.02	-	-
HYDROGEN	0.01	-	-
OXYGEN/ARGON	0.01	-	-
NITROGEN	1.02	-	-
CO2	2.57	-	-
METHANE	71.29	-	-
ETHANE	13.00	3.457	3.476
PROPANE	7.44	2.038	2.049
ISOBUTANE	0.86	0.280	0.281
N-BUTANE	2.33	0.730	0.734
ISOPENTANE	0.60	0.218	0.219
N-PENTANE	0.66	0.238	0.239
HEXANES+	0.19	0.082	0.082
TOTAL	100.00	7.043	7.080

BTU @ 60 DEG F	14.65	14.73
GROSS DRY REAL =	1302.9	1310.0
GROSS SATURATED REAL =	1280.1	1287.2

RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F) : 0.7968
 COMPRESSIBILITY FACTOR : 0.99581

NOTE: REFERENCE GPA 2261(ASTM D1945 & ASME-PTC), 2145, & 2172 CURRENT PUBLICATIONS