EMPACT ANALYTICAL SYSTEMS INC.
365 S. MAIN ST.
BRIGHTON, CO
80601

303-637-0150

EXTENDED NATURAL GAS ANALYSIS (*DHA)

MAIN PAGE

PROJECT NO. :	201410034	ANALYSIS NO. :	01
COMPANY NAME :	WIEPKING FULLERTON	ANALYSIS DATE:	OCTOBER 6, 2014
ACCOUNT NO. :		SAMPLE DATE :	OCTOBER 3, 2014
PRODUCER :		CYLINDER NO. :	0846
LEASE NO. :		SAMPLED BY :	JOHN MOSER - EMPACT
NAME/DESCRIP :	WELL HEAD GAS 10:50 MA STATE #16		
FIELD DATA		SAMPLE TEMP. :	80
SAMPLE PRES. :	280	AMBIENT TEMP.:	
VAPOR PRES. :		GRAVITY :	
COMMENTS :	SPOT; PROBE		

COMPONENT	MOLE %	MASS %	GPM @ 14.650	GPM @ 14.730
HELIUM	1.36	0.21	---	---
HYDROGEN	0.00	0.00	---	---
OXYGEN/ARGON	0.16	0.20	---	---
NITROGEN	49.08	53.23	---	---
CARBON DIOXIDE	1.27	2.16	---	---
METHANE	33.55150	20.83790	---	---
ETHANE	6.7650	7.8749	1.8025	1.8124
PROPANE	5.1116	8.7259	1.4031	1.4107
I-BUTANE	0.4368	0.9828	0.1428	0.1436
N-BUTANE	1.4060	3.1636	0.4414	0.4438
I-PENTANE	0.2402	0.6697	0.0869	0.0873
N-PENTANE	0.3191	0.8913	0.1148	0.1155
HEXANES PLUS	0.2998	1.0539	0.1200	0.1202
TOTALS	100.00000	100.00000	4.1115	4.1335

BTEX COMPONENTS	MOLE%	WT%
BENZENE	0.0046	0.0139
TOLUENE	0.0028	0.0100
ETHYLBENZENE	0.0002	0.0008
XYLENES	0.0008	0.0032
TOTAL BTEX	0.0084	0.0279

	BTU @	14.650	14.730
LOW	NET DRY REAL :	621.5 /scf	624.9 /scf
	NET WET REAL :	610.6 /scf	614.0 /scf
HIGH	GROSS DRY REAL :	683.2 /scf	686.9 /scf
	GROSS WET REAL :	671.3 /scf	675.0 /scf
	NET DRY REAL :	9140.5 /lb	9190.4 /lb
	GROSS DRY REAL :	10045.0 /lb	10099.8 /lb
	RELATIVE DENSITY (AIR=1):		0.8913
	COMPRESSIBILITY FACTOR :		0.99823

(CALC: GPA STD 2145 & TP-17 @14.696 & 60 F)

(DETAILED HYDROCARBON ANALYSIS/NJ 1993) ; ASTM D6730