



PRIMARY DB KEY:
LEASE #:
FIELD/ AREA:

NAME/DESCRIP :

JOHN CRAIG 1-2
SALES LINE

PROJECT NO. : 201905050
COMPANY NAME : D90 ENERGY LLC
OFFICE / BRANCH: HOUSTON, TX
CUSTOMER REF:
PRODUCER :

ANALYSIS NO. : 03
ANALYSIS DATE: MAY 10, 2019 13:00
SAMPLE DATE : MAY 8, 2019 10:50
TO:
EFFECTIVE DATE:

FIELD DATA

SAMPLE CYCLE:
SAMPLE PRES. : 20 psig
FLOW PRES. : psig
LAB PRES: psig
SAMPLE TEMP. : 57 °f
AMBIENT TEMP.: °f
H2O BY STAIN TUBE #/mmcf
FIELD COMMENTS:
LAB COMMENTS:

SAMPLE TYPE: SPOT
PROBE : NO
CYLINDER NO. : 1702
SAMPLED BY : DANTE MARTINEZ
SAMPLING COMPANY: EMPACT
H2S BY STAIN TUBE: 3.0 ppm
CO2 BY STAIN TUBE: Mol %

COMPONENTS	NORM. MOLE%	GPM @ 14.73	GPM @ 14.65
HELIUM	0.52	-	-
HYDROGEN	0.00	-	-
OXYGEN/ARGON	0.11	-	-
NITROGEN	28.37	-	-
CO2	1.52	-	-
METHANE	36.37	-	-
ETHANE	11.94	3.2058	3.1884
PROPANE	13.26	3.6678	3.6478
ISOBUTANE	1.65	0.5425	0.5396
N-BUTANE	3.96	1.2531	1.2463
ISOPENTANE	0.74	0.2718	0.2703
N-PENTANE	0.74	0.2697	0.2683
HEXANES+	0.82	0.3573	0.3554
TOTAL	100.00	9.5680	9.5161

BTU @ 60 DEG F

	14.73	14.65
GROSS DRY REAL =	1204.2 /scf	1197.7 /scf
GROSS SATURATED REAL =	1183.3 /scf	1176.8 /scf
RELATIVE DENSITY (AIR=1 @14.696 PSIA 60F)	1.0025	
GRAVITY (LB/SCF)	0.07651	
COMPRESSIBILITY FACTOR :	0.99582	

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

Reference: Per GPA 2172-14 sec 9

The C6+ is derived from the following ratios of C6, C7 & C8+ respectively: 60% 30% 10%

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