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EXTENDED GAS ANALYSIS

SAMPLE DATA

PROJECT NO..... OG-2019-0220
COMPANY NAME..... Whiting Oil and Gas
SITE..... Redtail Gas Plant
UNIT ID..... Inlet
SAMPLED BY..... AJM

SAMPLE ID..... Gas
ANALYSIS DATE..... 10/15/2019
SAMPLE DATE..... 10/9/2019
CYLINDER NO..... GV-15
LAB ANALYST..... CLB

FIELD DATA

SAMPLE PRESSURE..... 25 psig
AMBIENT PRESSURE..... 12.2 psi

SAMPLE TEMP..... 75 F
AMBIENT TEMP..... 56 F

COMMENTS: **H2S= 0.0 ppm**
*ASTM Method D4810 Length of Stain

LABORATORY DATA

COMPONENT	MOLE %	WT%	GPM
HYDROGEN SULFIDE.....	0.0000	0.0000	0.0000
CARBON DIOXIDE.....	2.7878	5.1107	0.4766
NITROGEN.....	3.4644	4.0426	0.3818
METHANE.....	68.4736	45.7574	11.6284
ETHANE.....	10.5149	13.1702	2.8169
PROPANE.....	8.5715	15.7442	2.3655
ISOBUTANE.....	0.8451	2.0460	0.2770
N-BUTANE.....	2.8583	6.9201	0.9027
ISOPENTANE.....	0.5171	1.5542	0.1894
N-PENTANE.....	0.6679	2.0073	0.2425
CYCLOPENTANE.....	0.0576	0.1682	0.0171
N-HEXANE.....	0.1436	0.5156	0.0592
CYCLOHEXANE.....	0.0366	0.1284	0.0125
OTHER HEXANES.....	0.2542	0.9053	0.0999
HEPTANES.....	0.0971	0.4036	0.0437
METHYLCYCLOHEXANE.....	0.0336	0.1373	0.0135
2,2,4 TRIMETHYLPENTANE.....	0.0000	0.0002	0.0000
BENZENE.....	0.0188	0.0613	0.0053
TOLUENE.....	0.0158	0.0608	0.0053
ETHYLBENZENE.....	0.0027	0.0118	0.0010
XYLENES.....	0.0056	0.0246	0.0022
OCTANES.....	0.0477	0.2253	0.0233
NONANES.....	0.0089	0.0466	0.0047
DECANES.....	0.0413	0.2443	0.0253
SUBTOTAL	99.4643	99.2860	19.5938
OXYGEN/ARGON	0.5357	0.7140	0.0476
TOTAL	100.00	100.00	19.64

BTU @

MOLECULAR WEIGHT.....	24.0068	NET DRY REAL	1182.8672 /scf
RELATIVE DENSITY (AIR=1).....	0.8289		
COMPRESSIBILITY FACTOR.....	0.9957	GROSS DRY REAL	1305.1530 /scf
		GROSS WET REAL	1282.1949 /scf