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EXTENDED GAS ANALYSIS

SAMPLE DATA

PROJECT NO..... OG-2021-0481
COMPANY NAME..... Magpie Operating, Inc.
SITE..... Richfield Wirick Federal 1
UNIT ID..... Richfield Wirick Federal 1
SAMPLED BY..... AJM

SAMPLE ID..... Separator Gas
ANALYSIS DATE..... 7/30/2021
SAMPLE DATE..... 7/30/2021
CYLINDER NO..... GV-49
LAB ANALYST..... CLB

FIELD DATA

SAMPLE PRESSURE..... 10.7 psig
AMBIENT PRESSURE..... 11.6 psi

SAMPLE TEMP..... 100 F
AMBIENT TEMP..... 70 F

COMMENTS:

LABORATORY DATA

COMPONENT	MOLE %	WT%	GPM
HYDROGEN SULFIDE.....	0.0000	0.0000	0.0000
CARBON DIOXIDE.....	0.8514	1.5698	0.1456
NITROGEN.....	1.0860	1.2746	0.1197
METHANE.....	74.4903	50.0657	12.6531
ETHANE.....	7.3710	9.2858	1.9752
PROPANE.....	8.0386	14.8506	2.2190
ISOBUTANE.....	1.0253	2.4967	0.3362
N-BUTANE.....	3.4435	8.3853	1.0878
ISOPENTANE.....	0.8975	2.7129	0.3289
N-PENTANE.....	0.9445	2.8550	0.3430
CYCLOPENTANE.....	0.1337	0.3929	0.0397
N-HEXANE.....	0.3337	1.2046	0.1375
CYCLOHEXANE.....	0.1272	0.4485	0.0434
OTHER HEXANES.....	0.7344	2.6282	0.2871
HEPTANES.....	0.2729	1.1394	0.1224
METHYLCYCLOHEXANE.....	0.0806	0.3317	0.0325
2,2,4 TRIMETHYLPENTANE.....	0.0003	0.0016	0.0002
BENZENE.....	0.0350	0.1147	0.0098
TOLUENE.....	0.0063	0.0244	0.0021
ETHYLBENZENE.....	0.0003	0.0013	0.0001
XYLENES.....	0.0010	0.0045	0.0004
OCTANES.....	0.0072	0.0343	0.0034
NONANES.....	0.0025	0.0133	0.0013
DECANES.....	0.0018	0.0104	0.0010
SUBTOTAL	99.8851	99.8460	19.8892
OXYGEN/ARGON	0.1149	0.1540	0.0102
TOTAL	100.00	100.00	19.90

BTU @

MOLECULAR WEIGHT.....	23.8688	NET DRY REAL	1262.9908 /scf
RELATIVE DENSITY (AIR=1).....	0.8241		
COMPRESSIBILITY FACTOR.....	0.9955	GROSS DRY REAL	1392.9974 /scf
		GROSS WET REAL	1368.4828 /scf