



SULFUR IN NATURAL GAS ANALYSIS

SN/PRIMARY DB KEY
LEASE #/ PROJECT #:
FIELD/AREA:

NAME/DESCRIP : KIMBALL CREEK 14-406D

PROJECT NO. : 202109086
COMPANY NAME : LARAMIE ENERGY, LLC
OFFICE / BRANCH: GRAND JUNCTION, CO
CUSTOMER REF:
PRODUCER :

ANALYSIS NO. : 01
ANALYSIS DATE: SEPTEMBER 16, 2021 08:04
SAMPLE DATE : SEPTEMBER 14, 2021
TO:
EFFECTIVE DATE:

FIELD DATA

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

SAMPLE TYPE: SPOT
PROBE :
CYLINDER NO. : 1L TEDLAR
SAMPLED BY : GALE MCENDREE
SAMPLING COMPANY: EMPACT
H2S BY STAIN TUBE: 15 ppm mol
CO2 BY STAIN TUBE: - Mol %

COMPONENT

SULFUR
ppm mole
(ul/L)

| | |
|---|------|
| Hydrogen Sulfide (H2S) | 16.8 |
| Carbonyl Sulfide (COS)/Sulfur Dioxide (SO2) | BDL |
| Methanethiol (MeSH) | BDL |
| Ethanethiol (EtSH) | BDL |
| Dimethylsulfide (DMS) | 0.1 |
| Carbon Disulfide (CS2) | BDL |
| i-Propanethiol (i-PrSH) | BDL |
| t-Butanethiol (t-BuSH) | 0.1 |
| n-Propanethiol (n-PrSH) | BDL |
| Methylethylsulfide (MES) | BDL |
| s-Butanethiol (s-BuSH) | BDL |
| i-Butanethiol (i-BuSH) | BDL |
| Thiophene (TP) | BDL |
| Diethylsulfide (DES) | BDL |
| n-Butanethiol (n-BuSH) | BDL |
| Dimethyldisulfide (DMDS) | BDL |
| Unidentified Sulfurs - Light Ends | BDL |
| Methylthiophenes (MTP) | BDL |
| 2-Ethylthiophene (2-ETP) | BDL |
| Methylethylsulfide (MEDS) | BDL |
| Dimethylthiophenes (DMTP) | BDL |
| Diethyldisulfide (DEDS) | BDL |
| Benzothiophene (BzTP) | BDL |
| Unidentified Sulfurs - Mid Range | BDL |
| Methylbenzothiophenes (MBzTP) | BDL |
| Dimethylbenzothiophenes (DMBzTP) | BDL |
| Trimethylbenzothiophenes (TMBzTP) | BDL |
| Dibenzothiophenes (DBzTP) | BDL |
| Methyldibenzothiophenes (MDBzTP) | BDL |
| Unidentified Sulfurs - Heavy Ends | BDL |
| TOTAL SULFUR | 17.0 |

* ASTM D5504 ** DETECTION LIMIT DETERMINED TO BE 0.1 ppm (ul/L) Sulfur - BDL (BELOW DETECTION LIMIT)

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