



**SULFUR IN NATURAL GAS ANALYSIS**

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

NAME/DESCRIP : **VEGA UNIT 34-124**  
**SALES GAS**  
**SAMPLE 1A**

PROJECT NO. : **20250500**  
COMPANY NAME : **LARAMIE ENERGY, LLC**  
OFFICE / BRANCH: **GRAND JUNCTION**  
CUSTOMER REF:  
PRODUCER :

ANALYSIS NO. : **01**  
ANALYSIS DATE: **MAY 13, 2025 10:10**  
SAMPLE DATE : **MAY 8, 2025 9:20**  
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:     -       ppm mol  
CO2 BY STAIN TUBE:     -       Mol %

**COMPONENT**

**SULFUR**  
**ppm mole**  
**(ul/L)**

Hydrogen Sulfide (H2S)	4.3
Carbonyl Sulfide (COS)/Sulfur Dioxide (SO2)	BDL
Methanethiol (MeSH)	BDL
Ethanethiol (EtSH)	BDL
Dimethylsulfide (DMS)	BDL
Carbon Disulfide (CS2)	BDL
i-Propanethiol (i-PrSH)	BDL
t-Butanethiol (t-BuSH)	BDL
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
<u>Unidentified Sulfurs - Heavy Ends</u>	<u>BDL</u>
<b>TOTAL SULFUR</b>	<b>4.3</b>

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