2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

LABORATORY REPORT

May 7, 2021

Jake Janicek
Caerus Oil and Gas LLC
120 North Railroad Ave.
Parachute, CO 81635

RE: EHS H2S Work

Dear Jake:

Enclosed are the results of the samples submitted to our laboratory on April 30, 2021. For your reference, these analyses have been assigned our service request number P2102296.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Sue Anderson at 2:29 pm, May 07, 2021

Sue Anderson
Project Manager

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Client: Caerus Oil and Gas LLC
Project: EHS H2S Work

Service Request No: P2102296

CASE NARRATIVE

The samples were received intact under chain of custody on April 30, 2021 and were stored in accordance with the analytical method requirements. Sample P2102296-008 through P2102296-015 were received past the recommended holding time. The analysis was performed as soon as possible after receipt by the laboratory. The data is flagged to indicate the holding time exceedance. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Hydrogen Sulfide Analysis

The samples were analyzed for hydrogen sulfide per modified SCAQMD Method 307-91 and ASTM D 5504-12 using a gas chromatograph equipped with a sulfur chemiluminescence detector (SCD). Method ASTM D 5504-12 is included on the laboratory's NELAP scope of accreditation, however it is not part of the DoD-ELAP accreditation. Method SCAQMD 307-91 is not included on the laboratory's NELAP or DoD-ELAP accreditation.

The first seven sample were received with insufficient hold time remaining to complete the analysis within the recommended limit. The analysis was performed as soon as possible after receipt by the laboratory and the data flagged to indicate the holding time exceedance.

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CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
Alaska DEC	http://dec.alaska.gov/eh/lab.aspx	17-019
Arizona DHS	http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home	AZ0694
Florida DOH (NELAP)	http://www.floridahealth.gov/licensing-and-regulation/environmental-laboratories/index.html	E871020
Louisiana DEQ (NELAP)	http://www.deq.louisiana.gov/page/la-lab-accreditation	05071
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtml	2018027
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	1776326
New Jersey DEP (NELAP)	http://www.nj.gov/dep/enforcement/oqa.html	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://www.oregon.gov/oha/ph/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-008
Pennsylvania DEP	http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx	68-03307 (Registration)
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html	T104704413-19-10
Utah DOH (NELAP)	http://health.utah.gov/lab/lab_cert_env	CA016272019-10
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Caerus Oil and Gas LLC
Service Request: P2102296
Project ID: EHS H2S Work

Date Received: 4/30/2021
Time Received: 09:30

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	ASTM D 5504-12 - H2S Bag
20210429 08C Fed 8-21B	P2102296-001	Air	4/29/2021	10:10	X
20210429 08C Fed 8-31C	P2102296-002	Air	4/29/2021	10:05	X
20210429 08C Fed 8-31D	P2102296-003	Air	4/29/2021	10:00	X
20210429 08C Fed 8-32B	P2102296-004	Air	4/29/2021	09:55	X
20210429 08C Fed 8-22B	P2102296-005	Air	4/29/2021	09:50	X
20210429 08C Fed 5-24D	P2102296-006	Air	4/29/2021	09:40	X
20210429 08C Fed 5-24C	P2102296-007	Air	4/29/2021	09:35	X
20210429 08C Fed 32-14D	P2102296-008	Air	4/29/2021	09:30	X
20210429 08D SGV Fed 08-11B (8D)	P2102296-009	Air	4/29/2021	09:20	X
20210429 08D SGV Fed 08-11D	P2102296-010	Air	4/29/2021	09:15	X
20210429 08D SGV Fed 08-11A	P2102296-011	Air	4/29/2021	09:10	X
20210429 08D SGV Fed 08-12A	P2102296-012	Air	4/29/2021	09:05	X
20210429 08D Fed SP 22-08	P2102296-013	Air	4/29/2021	09:00	X
20210429 08D SVG Fed 7-41C	P2102296-014	Air	4/29/2021	08:50	X
20210429 07G Fed 7-32D	P2102296-015	Air	4/29/2021	08:30	X

Air - Chain of Custody Record & Analytical Service Request

Page _____ of _____

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No: EHO 2296

Company Name & Address (Reporting Information)	Project Name: EHS H_2S work
Carrs Oil and Gas 143 Diamond ave Parachute, CO 81635	Project Number
Project Manager: Jake Janicek	P.O. # / Billing Information
Phone: JJanicek@carrsoilandgas.com	Fax
Email Address for Result Reporting: 970-778-2314	Sampler (Print & Sign)

ALS Contact:

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume	Comments e.g. Actual Preservative or specific instructions
20210429 OSC Fed 8-21B	1	4-29-21	10:10						
20210429 OSC Fed 8-31C	2	4-29-21	10:05						
20210429 OSC Fed 8-31D	3	4-29-21	10:00						
20210429 OSC Fed 8-32B	4	4-29-21	9:55						
20210429 OSC Fed 8-22B	5	4-29-21	9:50						
20210429 OSC Fed 5-24D	6	4-29-21	9:40						
20210429 OSC Fed 5-24C	7	4-29-21	9:35						
20210429 OSC Fed 32-14D	8	4-29-21	9:30						
20210429 OSD SGV Fed 05-11A (BD)	9	4-29-21	9:20						
20210429 OSD SGV Fed 05-11D	10	4-29-21	9:15						
20210429 OSD SGV Fed 05-11A	11	4-29-21	9:10						
20210429 OSD SGV Fed 05-12A	12	4-29-21	9:05						
20210429 OSD Fed SP 22-05	13	4-29-21	9:00						
20210429 OSD Fed SGV 7-41C	14	4-29-21	8:50						

5 of 9

Report Tier Levels - please select

Tier I - Results (Default if not specified) _____
Tier II (Results + QC Summaries) _____
Tier III (Results + QC & Calibration Summaries) _____
Tier IV (Data Validation Package) 10% Surcharge _____

EDD required Yes / No
Type: _____ Units: _____

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date: 4-29-21	Time: 11:00 Am	Received by: (Signature)	Date: 4-29-21	Time: 1200		
Relinquished by: (Signature)	Date: 4-29-21	Time: 1830	Received by: (Signature) 4-30-21	Date:	Time: 0830	Cooler / Blank Temperature ____ °C	

Air - Chain of Custody Record & Analytical Service Request

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Fax (805) 526-7270

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No: R2102294

Company Name & Address (Reporting Information): Cerro Oil and gas
143 Diamond ave Parachute, CO 81635

Project Name: EHS H_2S work

Project Number:

P.O. # / Billing Information:

Project Manager: Jake Jamick

Phone: 970 778 2314

Fax:

Email Address for Result Reporting: JJamick@Cerroil and gas.com

Sampler (Print & Sign):

ALS Contact:

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume	Comments e.g. Actual Preservative or specific instructions
20210429 0700 Fed 7-32D	12	4-29-21	9:30						

Report Tier Levels - please select

Tier I - Results (Default if not specified) _____ Tier III (Results + QC & Calibration Summaries) _____
Tier II (Results + QC Summaries) _____ Tier IV (Data Validation Package) 10% Surcharge _____

EDD required Yes / No
Type: _____ Units: _____

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[signature]	4-29-21	11:00 am	[signature]	4-30-21	1200
[signature]	4-29-21	1520	[signature]	4-30-21	0820

Cooler / Blank Temperature ____ °C

ALS Environmental
Sample Acceptance Check Form

Client: Caerus Oil and Gas LLC Work order: P2102296

Project: EHS H2S Work

Sample(s) received on: 4/30/21 Date opened: 4/30/21 by: ADAVID

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Did **sample containers** arrive in good condition?	☒	☐	☐
3	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
4	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
5	Was **sample volume** received adequate for analysis?	☒	☐	☐
6	Are samples within specified holding times?	☒	☐	☐
7	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
8	Were **custody seals** on outside of cooler/Box/Container?	☒	☐	☐
	Location of seal(s)? Cooler lid. Sealing Lid?	☒	☐	☐
	Were signature and date included?	☒	☐	☐
	Were seals intact?	☒	☐	☐
9	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2102296-001.01	1 L Zefon Bag					
P2102296-002.01	1 L Zefon Bag					
P2102296-003.01	1 L Zefon Bag					
P2102296-004.01	1 L Zefon Bag					
P2102296-005.01	1 L Zefon Bag					
P2102296-006.01	1 L Zefon Bag					
P2102296-007.01	1 L Zefon Bag					
P2102296-008.01	1 L Zefon Bag					
P2102296-009.01	1 L Zefon Bag					
P2102296-010.01	1 L Zefon Bag					
P2102296-011.01	1 L Zefon Bag					
P2102296-012.01	1 L Zefon Bag					
P2102296-013.01	1 L Zefon Bag					
P2102296-014.01	1 L Zefon Bag					
P2102296-015.01	1 L Zefon Bag					

Explain any discrepancies: (include lab sample ID numbers):

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

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RESULTS OF ANALYSIS

Client: **Caerus Oil and Gas LLC**
Client Project ID: **EHS H2S Work** ALS Project ID: P2102296

Hydrogen Sulfide

Test Code: ASTM D 5504-12
Instrument ID: Agilent 6890A/GC13/SCD Date(s) Collected: 4/29/21
Analyst: Gilbert Gutierrez Date Received: 4/30/21
Sample Type: 1 L Zefon Bag(s) Date Analyzed: 4/30/21
Test Notes:

Client Sample ID	ALS Sample ID	Injection Volume ml(s)	Time Analyzed	**Result µg/m³**	MRL µg/m³	**Result ppbV**	MRL ppbV	Data Qualifier
20210429 08C Fed 8-21B	P2102296-001	0.10	10:15	**97,000**	70	**70,000**	50	**H1**
20210429 08C Fed 8-31C	P2102296-002	0.10	10:22	**67,000**	70	**48,000**	50	**H1**
20210429 08C Fed 8-31D	P2102296-003	0.10	10:27	**41,000**	70	**29,000**	50	**H1**
20210429 08C Fed 8-32B	P2102296-004	0.10	10:35	**69,000**	70	**49,000**	50	**H1**
20210429 08C Fed 8-22B	P2102296-005	0.10	10:42	**42,000**	70	**30,000**	50	**H1**
20210429 08C Fed 5-24D	P2102296-006	0.10	10:49	**51,000**	70	**37,000**	50	**H1**
20210429 08C Fed 5-24C	P2102296-007	0.10	10:57	**62,000**	70	**45,000**	50	**H1**
20210429 08C Fed 32-14D	P2102296-008	0.10	11:03	**160,000**	70	**110,000**	50	**H3**
20210429 08D SGV Fed 08-11B (8D)	P2102296-009	0.10	11:06	**37,000**	70	**27,000**	50	**H3**
20210429 08D SGV Fed 08-11D	P2102296-010	0.10	11:28	**37,000**	70	**27,000**	50	**H3**
20210429 08D SGV Fed 08-11A	P2102296-011	0.10	11:33	**78,000**	70	**56,000**	50	**H3**
20210429 08D SGV Fed 08-12A	P2102296-012	0.10	11:38	**56,000**	70	**41,000**	50	**H3**
20210429 08D Fed SP 22-08	P2102296-013	0.10	11:48	**140,000**	70	**100,000**	50	**H3**
20210429 08D SVG Fed 7-41C	P2102296-014	0.10	11:54	**84,000**	70	**60,000**	50	**H3**
20210429 07G Fed 7-32D	P2102296-015	0.10	11:59	**33,000**	70	**24,000**	50	**H3**
Method Blank	P210430-MB	1.0	07:49	ND	7.0	ND	5.0	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
H1 = Sample analysis performed past holding time. See case narrative.
H3 = Sample was received and analyzed past holding time.

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LABORATORY CONTROL SAMPLE SUMMARY

Client: **Caerus Oil and Gas LLC**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2102296
Client Project ID: **EHS H2S Work** ALS Sample ID: P210430-LCS

Test Code: ASTM D 5504-12 Date Collected: NA
Instrument ID: Agilent 6890A/GC13/SCD Date Received: NA
Analyst: Gilbert Gutierrez Date Analyzed: 4/30/21
Sample Type: 1 L Zefon Bag Volume(s) Analyzed: NA ml(s)
Test Notes:

CAS #	Compound	Spike Amount ppbV	Result ppbV	% Recovery	ALS Acceptance Limits	Data Qualifier
7783-06-4	Hydrogen Sulfide	989	**1,040**	**105**	72-122	