November 10, 2018

Attn: Bradford Billings
New Mexico Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico, 87505

Re: Agave Energy Company & Lucid Energy Group

2RP-2877 Closure

LUCID energy group

201 S. 4<sup>th</sup> St Artesia, NM 88210 main 575.748.4555 fax 575.208.7207 www.lucid-energy.com

For US Mail P.O. Box 158 Artesia, NM 88211-0158

Mr. Billings,

This letter and the accompanying documentation are being submitted in response to the notification I received on 11/5/2018, which indicated that 2RP-2877 was still being shown as Active in the NMOCD records.

The initial C-141 was received by NMOCD's District II office on 2/27/2015 and approved on 3/10/2015. This release was classified as a minor release from an above ground pipeline. The release resulted in an overspray of <2 bbls of liquids. As such no work plan was submitted, the affected top soil (which was primarily on an adjacent well pad) was scrapped up and disposed of. Samples were collected from the most heavily affected area which was approximately 20' by 20' in extents. A five-point composite, collected in accordance with the NRCS sampling guide, was collected at the surface of the scrapped/excavated area. An additional sample was collected at 1' bgs. The results were submitted with a Final C-141 to the District II office on 3/10/2015.

Lucid is resubmitting the original Final C-141, and closure report. Lucid is requesting closure for 2RP-2877.

If you have any questions, please do not hesitate to call me at 575-810-6021.

### Sincerely,

Kerry Egan

**Environmental Compliance Manager** 



201 South Fourth St.

Artesia, NM Office: (575) 810-6021 | Cell: (575) 513-8988 Kegan@lucid-energy.com | www.lucid-energy.com

# NM OIL CONSERVATION

ARTESIA DISTRIC

District I 1625 N. French Dr., Hobbs, NM 8874AR 1 0 2015 District II

District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM RECEIVED
District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

> Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141 Revised August 8, 2011

Submit I Copy to appropriate District Office in accordance with 19.15.29 NMAC.

## **Release Notification and Corrective Action**

								LKATOR		~~~~~	iitial Rep	ort :	
		gave Energy					Contact K						······································
		Quay Artesia	<del> </del>	210	Telephone No. 575 513-8988 Facility Type: Natural Gas Gathering Line								
Facility Nai	ne: Agave	4 inch Poly	Line				Facility Ty	be: Natural Gas	Gathe	ring Line	······································		
Surface Ow	ner: Yates	Petroleum (	Corp.	Mir	neral Owi	ner				API N	0.		
				- L	OCAT	ION	OF RE	LEASE					
Unit Letter	Section 32	Township 18S	Range 26E	Feet from 380'		North/South Line   Feet from the   East/West Line   County   South   190'   West   Eddy							
							Longitude OF REL	-104.412037V E <b>ASE</b>	V				
Type of Relea	se: Natural	Gas leak and	pipeline l	iquids			Volume of <2bbls oil	Release: <200M	CF;	Volume	Recovered	: None	
Source of Rel	ease: Ruptı	ired 4" poly li	ine				Date and H 2/13/15 2:0	our of Occurren	ce:	Date and 2:00PM	Hour of D	Discovery	2/13/15
Was Immedia	te Notice G		Yes 🔲	No 🔲 1	Not Requi	ired	If YES, To	Whom?					
By Whom?							Date and H	our					
Vas a Waterco	ourse Reac		Yes 🛚	No				lume Impacting	the Wate	ercourse.			
a Watercour	DO THUS THE		•										
	e of Proble							well, producing					
rescribe Cause the high press f gas. escribe Area the release of a	e of Proble ure caused Affected at gas caused	the above gro  nd Cleanup Ac a fine spray o	ction Take	ine to rupto n.* liquids on t	ure, releas	ing ga	as. Immediat	well, producing ely upon discovend d	ery the w	vell was shu	it-in to pre	ination, a	ner release
Describe Cause The high press of gas. Describe Area the release of gurrounding the decation.	e of Probler ure caused Affected ar gas caused e rupture w	the above gro nd Cleanup Ad a fine spray o as excavated t	und poly I ction Take f pipeline to ensure r	n.* liquids on lemoval of	ure, releas the adjaces	ent Conation.	as. Immediat	d. The pad was sed soil was dispo	ery the w	vell was shu	it-in to pre	ination, a	ner release
Describe Cause the high press of gas.  Describe Area the release of gurrounding the cation.  Losure sample the presence of gulations all cubic health or ould their open ould their open ould their open the sample the cation.	Affected argas caused e rupture was were coll that the integrations are the environment. In additional control of the collections have the collections have the collections are the collections have t	and Cleanup Ada fine spray of as excavated to ected and sho formation given required to nament. The adversarial formation, NMOC lition, NMOC	etion Take f pipeline to ensure r wn to be b en above is report and cceptance equately in	ine to ruptuen.* liquids on the emoval of strue and color file cert of a C-141 investigate a	the adjacer contamination of the adjacer contamination of the adjacer contamination of the adjacer action release report by and remed	ent Conation.  on level to the le notion the Notice the	ncho well pa Contaminat els (results at best of my k fications and WMOCD man ontamination	d. The pad was sed soil was disposed and url perform correct ked as "Final Rental pose a three the operator of rental pose a three the operator of rental pose a three the operator of rental pose a three operator of rental	ery the waterstandive action port" do at to groesponsib	to collect at and clean fi d that pursu ons for relet es not relie ound water, oility for con	ny contami ill material mant to NM ases which we the ope surface wampliance v	ination, and was brown to the may end erator of liater, humay with any control of the may end to the maximum to	nd the area aght to the es and anger ability an health
escribe Cause the high press f gas.  escribe Area the release of garrounding the cation.  osure sample thereby certify gulations all of blic health or ould their ope the environm	Affected argas caused e rupture was were coll that the integrations are the environment. In additional control of the collections have the collections have the collections are the collections have t	and Cleanup Ada fine spray of as excavated to ected and sho formation given required to nament. The adversarial formation, NMOC lition, NMOC	etion Take f pipeline to ensure r wn to be b en above is report and cceptance equately in	ine to ruptuen.* liquids on the emoval of strue and color file cert of a C-141 investigate a	the adjacer contamination of the adjacer contamination of the adjacer contamination of the adjacer action release report by and remed	ent Conation.  on level to the le notion the Notice the	ncho well pa Contaminat els (results at best of my k fications and WMOCD man ontamination	d. The pad was sed soil was disposateched).  nowledge and url perform correct ked as "Final Rent that pose a three	ery the waterstandive action port" do at to groesponsib	to collect at and clean fi d that pursu ons for relet es not relie ound water, oility for con	ny contami ill material mant to NM ases which we the ope surface wampliance v	ination, and was brown to the may end erator of liater, humay with any control of the may end to the maximum to	nd the area aght to the es and anger ability an health
escribe Cause the high press f gas.  escribe Area the release of a the cation.  osure sample the estrify gulations all a blic health or ould their ope the environm the environm leral, state, or	Affected argas caused e rupture was were coll that the integrations are the environment. In additional control of the collections have the collections have the collections are the collections have t	and Cleanup Ada fine spray of as excavated to ected and sho formation given required to nament. The adversarial formation, NMOC lition, NMOC	etion Take f pipeline to ensure r wn to be b en above is report and cceptance equately in	ine to ruptuen.* liquids on the emoval of strue and color file cert of a C-141 investigate a	the adjacer contamination of the adjacer contamination of the adjacer contamination of the adjacer action release report by and remed	ent Conation.  In level to the le noting the Notice to does	ncho well pa Contaminat Les (results at best of my k fications and MOCD man ontaminations s not relieve	d. The pad was sed soil was disposed tached).  nowledge and under the perform correct ked as "Final Red that pose a three the operator of red OIL CONS	accraped to seed of, anderstand ive action port" do at to groesponsib	to collect at and clean for releases not relie bund water, billity for con	ny contami ill material mant to NM asses which eve the ope surface wampliance v	ination, and was brown in the intervention of line at the	nd the area aght to the es and anger ability an health other
escribe Cause he high press f gas.  escribe Area he release of garrounding the cation.  osure sample hereby certify gulations all color blic health or ould their open the environm deral, state, or gnature:	Affected an gas caused e rupture w s were coll that the imperators are the environment. In additional laws	and Cleanup Ad a fine spray of as excavated to ected and sho formation give required to ament. The act of a filed to addition, NMOC and/or regular	etion Take f pipeline to ensure r wn to be b en above is report and cceptance equately in	ine to ruptuen.* liquids on the emoval of strue and color file cert of a C-141 investigate a	the adjacer contamination of the adjacer contamination of the adjacer contamination of the adjacer action release report by and remed	ent Conation.  In level to the le noting the Notice to does	ncho well pa Contaminat Les (results at best of my k fications and MOCD man ontaminations s not relieve	d. The pad was sed soil was disposed and url perform correct ked as "Final Rental pose a three the operator of rental pose a three the operator of rental pose a three the operator of rental pose a three operator of rental	accraped to seed of, anderstand ive action port" do at to groesponsib	to collect at and clean for releases not relie bund water, billity for con	ny contami ill material mant to NM ases which we the ope surface wampliance v	ination, and was brown to the may end erator of liater, humay with any control of the may end to the maximum to	nd the area aght to the es and anger ability an health other
escribe Cause he high press gas.  escribe Area he release of grounding the cation.  osure sample ereby certify gulations all color health or build their open the environm deral, state, on gnature:	Affected an gas caused e rupture w s were coll that the imperators are the environment. In additional laws	and Cleanup Ad a fine spray of as excavated to ected and sho formation give required to ament. The act of a filed to addition, NMOC and/or regular	etion Take f pipeline to ensure r wn to be b en above is report and cceptance equately in	ine to ruptuen.* liquids on the emoval of strue and color file cert of a C-141 investigate a	the adjacer contamination of the adjacer contamination of the adjacer contamination of the adjacer action release report by and remed	ent Contains an level to the North does	ncho well pa Contaminat Les (results at best of my k fications and MOCD man ontaminations s not relieve	d. The pad was sed soil was disposate tached).  nowledge and url perform correct ked as "Final Reath that pose a three the operator of reather than the operator	ecraped of aderstandive action port" do at to groesponsib	to collect at and clean for releases not relie bund water, billity for con	ny contami ill material mant to NM asses which eve the ope surface was mpliance v	ination, and was brown a may end erator of light any color by the colo	nd the area aght to the es and anger ability an health other
escribe Cause he high press f gas.  escribe Area he release of a prounding the cation.  losure sample prese certify gulations all capilities health or ould their open the environment deral, state, or gnature:  inted Name:	Affected an gas caused e rupture was were coll that the interpretators are the environment. In additional laws	and Cleanup Ad a fine spray of as excavated to ected and sho formation give required to ament. The act of a filed to addition, NMOC and/or regular	ection Take of pipeline to ensure r  wn to be be en above is report and cceptance equately in D acceptant itions.	ine to ruptuen.* liquids on the emoval of strue and color file cert of a C-141 investigate a	the adjacer contamination of the adjacer contamination of the adjacer contamination of the adjacer action release report by and remed	ent Conation.  In level to the le notify the North does	ncho well pa Contaminat best of my k fications and MOCD mar ontamination s not relieve	d. The pad was sed soil was disposed soil was disposed and under the perform correct ked as "Final Report the operator of record of the operator of	ecraped of aderstandive action port" do at to groesponsib	to collect are and clean from the collect are and clean from the collect are not relie to the collect are collect	ny contami ill material mant to NM asses which eve the ope surface was mpliance v	ination, and was brown  IOCD rule a may end crator of liater, humination with any control  IOCD rule a may end brater of liater of liater of liater brater of liater	nd the area aght to the es and anger ability an health other

# Sampling Summary for: Paint 32 Spill (COG Well)

Analytical Report 1502729	Sample Date	Depth	BTEX (ppm)	GRO (nnm)	DRO (ppm)	Cl- (ppm)
1302723	oampie Bate	Берин	212x (pp)	cite (ppiii)	one (pp)	с. (рр)
COG Well #1	2/17/2015	Surface - Composite	0.64	9.2	100	1600
COG Well #2	2/17/2015	12" - Composite	ND	ND	ND	12

**Site Ranking is zero (0).** Average depth to ground water of nearest wells >100' (Approximately 113' per NMOSE)

~200 MCF of gas released, <2bbls of liquids released. Discovered 2/13/15.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

February 25, 2015

Kerry Egan Agave Energy Company P.O. Box 158 Artesia, NM 88211

TEL: (575) 513-8988

FAX

RE: COG Well OrderNo.: 1502729

#### Dear Kerry Egan:

Hall Environmental Analysis Laboratory received 2 sample(s) on 2/18/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <a href="www.hallenvironmental.com">www.hallenvironmental.com</a> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

Indest

4901 Hawkins NE

Albuquerque, NM 87109

### **Analytical Report**

Lab Order 1502729

Date Reported: 2/25/2015

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: COG Well #1

**CLIENT:** Agave Energy Company **Project:** COG Well **Collection Date:** 2/17/2015 9:00:00 AM

Lab ID: 1502729-001 Matrix: SOIL Received Date: 2/18/2015 9:10:00 AM

Analyses	Result	RL (	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analyst	: BCN
Diesel Range Organics (DRO)	100	9.9	mg/Kg	1	2/19/2015 1:05:56 PM	17796
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/19/2015 1:05:56 PM	17796
Surr: DNOP	108	63.5-128	%REC	1	2/19/2015 1:05:56 PM	17796
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	9.2	5.0	mg/Kg	1	2/19/2015 2:12:22 PM	17797
Surr: BFB	145	80-120	S %REC	1	2/19/2015 2:12:22 PM	17797
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.050	mg/Kg	1	2/19/2015 2:12:22 PM	17797
Toluene	ND	0.050	mg/Kg	1	2/19/2015 2:12:22 PM	17797
Ethylbenzene	0.18	0.050	mg/Kg	1	2/19/2015 2:12:22 PM	17797
Xylenes, Total	0.46	0.10	mg/Kg	1	2/19/2015 2:12:22 PM	17797
Surr: 4-Bromofluorobenzene	110	80-120	%REC	1	2/19/2015 2:12:22 PM	17797
EPA METHOD 300.0: ANIONS					Analyst	: LGT
Chloride	1600	75	mg/Kg	50	2/23/2015 11:42:17 PM	17827

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### **Qualifiers:**

- Value exceeds Maximum Contaminant Level.
- Ε Value above quantitation range
- Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RLReporting Detection Limit

Page 1 of 6

**Analytical Report** 

Lab Order **1502729**Date Reported: **2/25/2015** 

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Agave Energy Company

Client Sample ID: COG Well #2

 Project:
 COG Well
 Collection Date: 2/17/2015 9:15:00 AM

 Lab ID:
 1502729-002
 Matrix: SOIL
 Received Date: 2/18/2015 9:10:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst	BCN
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/19/2015 1:27:28 PM	17796
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/19/2015 1:27:28 PM	17796
Surr: DNOP	107	63.5-128	%REC	1	2/19/2015 1:27:28 PM	17796
EPA METHOD 8015D: GASOLINE RAM	IGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/19/2015 3:38:27 PM	17797
Surr: BFB	92.3	80-120	%REC	1	2/19/2015 3:38:27 PM	17797
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.049	mg/Kg	1	2/19/2015 3:38:27 PM	17797
Toluene	ND	0.049	mg/Kg	1	2/19/2015 3:38:27 PM	17797
Ethylbenzene	ND	0.049	mg/Kg	1	2/19/2015 3:38:27 PM	17797
Xylenes, Total	ND	0.099	mg/Kg	1	2/19/2015 3:38:27 PM	17797
Surr: 4-Bromofluorobenzene	103	80-120	%REC	1	2/19/2015 3:38:27 PM	17797
EPA METHOD 300.0: ANIONS					Analyst	: LGT
Chloride	12	1.5	mg/Kg	1	2/20/2015 12:39:46 PM	17827

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 2 of 6

- P Sample pH Not In Range
- RL Reporting Detection Limit

### Hall Environmental Analysis Laboratory, Inc.

WO#: **1502729** 

25-Feb-15

**Client:** Agave Energy Company

**Project:** COG Well

Sample ID MB-17827 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 17827 RunNo: 24454

Prep Date: 2/20/2015 Analysis Date: 2/20/2015 SeqNo: 720094 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID LCS-17827 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 17827 RunNo: 24454

Prep Date: 2/20/2015 Analysis Date: 2/20/2015 SeqNo: 720095 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 92.3 90 110

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 3 of 6

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1502729

25-Feb-15

**Client:** Agave Energy Company

**Project:** COG Well

Sample ID LCS-17796

Sample ID MB-17796 SampType: MBLK TestCode: EPA Method 8015D: Diesel Range Organics Client ID: **PBS** Batch ID: 17796 RunNo: 24394 Analysis Date: 2/19/2015 Prep Date: 2/18/2015 SeqNo: 718832 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 63.5 128

Surr: DNOP 10.00 91.3 9.1 SampType: LCS

TestCode: EPA Method 8015D: Diesel Range Organics

Client ID: LCSS Batch ID: 17796 RunNo: 24394

Analysis Date: 2/19/2015 Prep Date: 2/18/2015 SeqNo: 718848 Units: mg/Kg

Analyte Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 47 10 0 94.7 67.8 50.00 130 Surr: DNOP 4.4 5.000 87.0 63.5 128

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- Reporting Detection Limit RL

Page 4 of 6

### Hall Environmental Analysis Laboratory, Inc.

WO#: **1502729** 

25-Feb-15

**Client:** Agave Energy Company

**Project:** COG Well

Sample ID MB-17797 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 17797 RunNo: 24415

Prep Date: 2/18/2015 Analysis Date: 2/19/2015 SeqNo: 719115 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 890 1000 89.3 80 120

Sample ID LCS-17797 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 17797 RunNo: 24415

Prep Date: 2/18/2015 Analysis Date: 2/19/2015 SeqNo: 719116 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

 Gasoline Range Organics (GRO)
 26
 5.0
 25.00
 0
 106
 64
 130

 Surr: BFB
 1000
 1000
 102
 80
 120

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 5 of 6

#### Hall Environmental Analysis Laboratory, Inc.

WO#: **1502729 25-Feb-15** 

**Client:** Agave Energy Company

**Project:** COG Well

Sample ID MB-17797 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 17797 RunNo: 24415

Prep Date: 2/18/2015 Analysis Date: 2/19/2015 SeqNo: 719143 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

 Benzene
 ND
 0.050

 Toluene
 ND
 0.050

 Ethylbenzene
 ND
 0.050

 Xylenes, Total
 ND
 0.10

Surr: 4-Bromofluorobenzene 0.98 1.000 98.1 80 120

Sample ID LCS-17797 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: **LCSS** Batch ID: 17797 RunNo: 24415 Prep Date: 2/18/2015 Analysis Date: 2/19/2015 SeqNo: 719144 Units: mg/Kg **PQL** SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte LowLimit Qual 0.050 1.000 O 108 80 120 Benzene 1.1 Toluene 1.0 0.050 1.000 0 103 80 120 Ethylbenzene 0.050 0 106 80 120 1.1 1.000 Xylenes, Total 3.1 0.10 3.000 0 104 80 120 107 Surr: 4-Bromofluorobenzene 1.1 1.000 80 120

Sample ID 1502729-001AMS SampType: MS TestCode: EPA Method 8021B: Volatiles

Client ID: COG Well #1 Batch ID: 17797 RunNo: 24415

Prep Date: 2/18/2015 Analysis Date: 2/19/2015 SeqNo: 719149 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Benzene 1.2 0.050 0.9970 123 69.2 126

Toluene 1.3 0.050 0.9970 0.04604 128 65.6 128 65.5 Ethylbenzene 0.050 0.9970 0.1810 136 138 1.5 Xylenes, Total 4.4 0.10 2.991 0.4567 132 63 139 Surr: 4-Bromofluorobenzene 0.9970 80 S 1.2 125 120

Sample ID 1502729-001AMSD SampType: MSD TestCode: EPA Method 8021B: Volatiles

Client ID: **COG Well #1** Batch ID: **17797** RunNo: **24415** 

OHOLK ID: OOO WOLL WI	Bato			•		7710				
Prep Date: 2/18/2015	Analysis Date: 2/19/2015			S	SeqNo: 7	19150	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.050	1.000	0	124	69.2	126	0.621	18.5	
Toluene	1.3	0.050	1.000	0.04604	123	65.6	128	3.83	20.6	
Ethylbenzene	1.4	0.050	1.000	0.1810	121	65.5	138	9.92	20.1	
Xylenes, Total	4.0	0.10	3.000	0.4567	119	63	139	9.04	21.1	
Surr: 4-Bromofluorobenzene	1.2		1.000		116	80	120	0	0	

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 6 of 6



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: AGAVE ENERGY COMP Work Order Numb	er: 1502729		RcptNo: 1
Received by/date: CS 02/18/15			
Logged By: Ashley Gallegos 2/18/2015 9:10:00 A	м	AZ	
Completed By: Ashley Gallegos 2/18/2015 9:58:10 A	м	A	
Reviewed By: (S 02 18 15		, 0	
Chain of Custody			
Custody seals intact on sample bottles?	Yes	No 🗆	Not Present 🗸
2. Is Chain of Custody complete?	Yes 🗸	No 🗆	Not Present
How was the sample delivered?	Courier		
Log In			
Was an attempt made to cool the samples?	Yes 🗸	No 🗆	NA $\square$
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗸	No 🗆	NA 🗆
6. Sample(s) in proper container(s)?	Yes 🗸	No $\square$	
7. Sufficient sample volume for indicated test(s)?	Yes 🗸	No 🗆	
8. Are samples (except VOA and ONG) properly preserved?	Yes 🗸	No 🗆	
9. Was preservative added to bottles?	Yes 🗌	No 🗸	NA 🗆
10. VOA vials have zero headspace?	Yes 🗌	No 🗆	No VOA Vials 🗹
11. Were any sample containers received broken?	Yes 🗆	No 🗹	# of preserved bottles checked
12. Does paperwork match bottle labels?	Yes 🗸	No 🗆	for pH:
(Note discrepancies on chain of custody)	v	No 🗆	(<2 or >12 unless noted Adjusted?
13. Are matrices correctly identified on Chain of Custody? 14. Is it clear what analyses were requested?	Yes 🗸	No 🗆	
15. Were all holding times able to be met?  (If no, notify customer for authorization.)	Yes ✓	No 🗆	Checked by:
Special Handling (if applicable)  16. Was client notified of all discrepancies with this order?	Yes	No 🗆	NA 🗹
Person Notified: Date	Spotestier.		
By Whom: Via:	eMail 🗍	Phone   Fax	☐ In Person
Regarding:			
Client Instructions:			
17. Additional remarks:			
18. Cooler Information			
Cooler No Temp °C Condition Seal Intact Seal No	Seal Date	Signed By	1
1 2.4 Good Yes			I

HALL ENVIRONMENTAL ANALYSIS LABORATORY		Albuquerque, NM 87109				86:56 A	(N		DΛ-!	məč) (Sem									analyses only		Page 1.
Z Z	www.hallenvironmental.com	ne, N	505-345-4107	Analysis Request		: do 1 :	7000	10	898	8081 Pestio OV) 80828		_	$\Box$	-	+	Н	+		Cl- ana		
IS	onme	duero	Fax 50	sis Re			20000			D, F) anoinA	×			+	+	H	+		TPH, C		
YS.	llenvir	Albu	Ϋ́	Inaly						RCRA 8 Me									Į,		
Z	w.ha	쀨	3975	4						AN9) 0168		_		-		Н	+	-	Remarks: Requesting BTEX,		
A	\$	wkins	-345-				2000	-33555		TPH (Metho	$\dashv$	_	++	+	+	Н	-	-	questi		
7 [		4901 Hawkins NE	Tel. 505-345-3975		(Jəs	eid\es	- 0000	0.000	escon to	TPH Metho	×	,		$^{\dagger}$					Rec		
		490	Te		,0.00			-		TM + X3T8				1					marks		
 					(1	208) s	.WB.	L +	38.	TM + X3T8	×	)	<	+	+	$\vdash$	_	-	Re	0	1000
								□ No	3.4°C	HEAL No.	1001	( )	3						Date Time	0160 Silaifeo	Date Time
Rush_	e:	- Well			ager:		Kerry Egan		perature:	Preservative Type	lce/Cool	1000/00	ion in the second							line.	
Standard	Project Name:		Project #:		Project Manager:	Kerry Egan	Sampler:	On Ice:	Sample Temperature:	Container Type and #	4 oz glass	A contactor	4 02 gldss						Received by:	Men	Received by:
: Agave Energy Company		Quay St.				□ Level 4 (Full Välidation)				Sample Request ID	COG Well #1	COG Well #2							d by:	181	ed by:
Agave Energy Company		326 West Quay St.		3-8988				□ Other_		Matrix	Soil	-	loo						Relinquished by:	Mr.	œ
Agave E	o Ima			%Phone #: (575) 513-8988	Fax#:	ackage: ard	tion:	Ь	Type)	Time	Q:00/N Soil	0.101.0	1.12MM						Time:	3.8PM	Time:
Juent:		failing A	rtesia, h	hone #:	email or Fax#	21:72A/QC Package: □ Standard	WAccreditation:	□ NELAP	□ EDD (Type)	Date	2/17/15	-	01/11/2						Date:	117/15	Date:

\* Attach Additional Sheets If Necessary

Released to Imaging: 5/8/2023 3:21:13 PM

State of New Mexico NM OIL CONSERVATION

ZRP-2877

<u>District I</u> 1625 N. French D <u>District II</u> 811 S. First St., A <u>District III</u> 1000 Rio Brazos I <u>District IV</u> 1220 S. St. Franci	rtesia, NM Road, Azte	88210 c, NM 87410	5	State of New Mexico ARTESIA DISTRICT Energy Minerals and Natural Resources FEB Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505  NM OIL CONSERVATION ARTESIA DISTRICT Form C Revised August 8 Submit 1 Copy to appropriate District Off accordance with 19.15.29 NI RECEIVED									
PAB 150	6955	093	Rele				orrective A	ction					
NAB 150				•			RATOR			itial Report	Final Report		
Name of Con	npany A	gave Energy				Contact K				1	· ·		
Address 32 Facility Name		<u> </u>		10			No. 575 513-89 be: Natural Gas		ing Line				
Surface Own	er: Yates	Petroleum (	Corp.	Mineral C					API No				
				LOCA	ATIO	N OF RE	LEASE						
	Section 32	Township 18S	Range 26E	Feet from the 380'		/South Line	Feet from the 190'	East/\ West	West Line	County Eddy			
						-	-104.412037W						
Type of Releas	se: Natural	I Gas leak and	l pipeline l		UKŁ	OF REL	Release: <200M	CF;	Volume F	Recovered: None			
						<2bbls oil			D	II .CD:	2/12/15		
Source of Rele	ase: Kupu	urea 4" poiy i	ine			2/13/15 2:0	Iour of Occurrenc 00PM	e;	2:00PM	Hour of Discove	ery 2/13/15		
Was Immediate	e Notice (	_	Yes [	No □ Not R	equired	If YES, To	Whom?						
By Whom?						Date and I	lour						
Was a Waterco	ourse Read	ched?	Yes ⊠	No		If YES, Vo	olume Impacting t	he Wat	ercourse.				
If a Watercour	se was Im	pacted, Descr	ibe Fully.*	:									
							e well, producing ately upon discove						
	gas cause	d a fine spray	of pipelin	e liquids on the ac			oad. The pad was ated soil was disp						
regulations all public health o should their op	operators r the envi- erations h nent. In a	are required to ronment. The save failed to addition, NMC	o report ar acceptance adequately OCD accep	d/or file certain records of a C-141 report investigate and records.	release nort by the remediat	otifications a le NMOCD m le contaminati	knowledge and u nd perform correct arked as "Final R ion that pose a thr the operator of	tive act eport" of eat to g	ions for rele loes not reli round water	eases which may ieve the operator r, surface water,	endanger of liability human health		
Signature: 9	U	ean .			-	Approved by	OIL CON Signed Environmental S	Bv >	alle &	DIVISION Summer			
Title: Eng Tec						Approval Da	te: 311/11/	5	Expiration :	Date: NIA			
E-mail Addres		@vatespetrole	eum com		Ì	Conditions o							
Date: 9/2		<u>—у шеоронон</u>		575 748-4555	Rer	nediation	per O.C.D. Ru	les & (	Guldeline	Attached			

ATER THAN:\_

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

CONDITIONS

Action 209609

#### **CONDITIONS**

Operator:	OGRID:
Lucid Artesia Company	147831
201 S. Fourth Street	Action Number:
Artesia, NM 88210	209609
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

#### CONDITIONS

Create By	d Condition	Condition Date
bhall	None	5/8/2023