WSP USA
3300 North "A" Street
Building 1, Unit 222
Midland, Texas 79705
432.704.5178

May 26, 2022

District II
New Mexico Oil Conservation Division
811 South First Street
Artesia, New Mexico 88210

RE: Closure Request
Tombstone WC 8"
Incident Number NAPP27262628
Eddy County, New Mexico

To Whom it May Concern:

WSP USA Inc. (WSP) on behalf of Lucid Energy Delaware, LLC (Lucid) presents the following Closure Request detailing site assessment, excavation, and soil sampling activities at the Tombstone WC 8" (Site) in Unit C, Section 12, Township 25 South, Range 29 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment, excavation, and soil sampling activities was to address impacts to soil following the release of pipeline liquid from a natural gas line at the Site. Based on the excavation activities and soil sample laboratory analytical results, Lucid is submitting this Closure Request, and requesting no further action (NFA) for Incident Number NAPP2127262628.

RELEASE BACKGROUND

On September 29, 2021, a vehicle strike to the 8" poly line caused a release of more than 500 MCF of natural gas and less than 5 barrels (bbls) of pipeline liquid forming on the bottom of the pipe. From the total release volume, 0 bbls of pipeline liquid were recovered. Immediate notice was provided to New Mexico Oil Conservation Division (NMOCD) by Michael Gant of Lucid via email on 09/29/2021. Lucid reported the release to the NMOCD on a Release Notification Form C-141 (Form C-141) on September 29, 2021. The release was assigned Incident Number NAPP2127262628.

SITE CHARACTERIZATION

WSP characterized the Site in accordance with Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater in the Site vicinity is greater than 100 feet below ground surface (bgs) based on the nearest groundwater well C-4608 POD 1 data. Depth to groundwater at the site is greater than 50 feet below ground surface (bgs) based on a recent soil boring, BH01 (C-4608 POD 1), drilled for determination of regional groundwater depth, as discussed below.

In March 2022, WSP installed soil boring BH01 within 0.5 miles of the Site utilizing a truck-mounted hollow-stem auger drill rig. Soil boring BH01 was drilled to a depth of 56 feet bgs. A WSP geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The New Mexico Well Record form for BH01 is included in Attachment 1 and the borehole lithologic/soil sampling log is included in Attachment 2. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. No groundwater was observed. It was confirmed by District I Page 2 that groundwater beneath the Site is greater than 56 feet bgs. The borehole was properly abandoned using drill cuttings and hydrated bentonite chips.

The closest continuously flowing or significant watercourse to the Site is a freshwater river, located approximately 4.42 miles west of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

A reclamation standard of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top four feet of the subsurface, per NMAC 19.15.29.13.D (1) for the top four feet of areas that will be reclaimed following remediation

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On December 15, 2021, WSP personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Three potholes PH05, PH06 and PH04 (Figure 3), were advanced and soil samples were collected within the release extent from a depth of 6 feet bgs and 9 feet bgs at each location to assess the lateral extent of impacted soil. Soil from the pothole soil samples was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photo-ionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. Based on field screenings, clean vertical depth was determined to be at depths ranging from 4 to 9 feet bgs. Based on visual observations and, field screening activities,

for the three borehole samples, excavation activities were warranted to remove impacted soil at the Site.

EXCAVATION ACTIVITIES AND ANALYTICAL RESULTS

On December 15, 2021, WSP personnel oversaw additional excavation and completion of activities. Based on visual observations and, field screening activities, for the pothole soil samples, delineation and excavation were completed to remove impacted soil in the area surrounding the release extent. Excavation activities were performed using a track hoe and hydro excavator. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. The excavation was completed to an approximate depth of 4-foot bgs.

Following removal of impacted soil, WSP collected soil samples from the floor of the excavation, a 4-point composite sample for every 200 square feet. The 4-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS04 were collected from the floor of the excavation, from a depth of 4 feet bgs. Due to the depth of the excavation, sidewall (SW) soil samples (SW01-SW06) were collected from the excavation. The excavation SW soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 4. Photographic documentation was completed during the Site visits and a photographic log is included in Attachment 3.

Laboratory analytical results for excavation soil samples FS01 through FS04 and SW01 through SW04 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Attachment 4.

The excavation area measured approximately 634.2 square feet. A total of approximately 94 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land disposal in Carlsbad, New Mexico. After completion of confirmation sampling, the excavation area was backfilled.

CLOSURE REQUEST

WSP conducted Site assessment and excavation activities at the Site to address the September 29, 2021, release of pipeline liquid. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the most stringent Table 1 Closure Criteria. Based on the soil sample analytical results, no further remediation was required. Lucid backfilled the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions.

Initial response efforts and excavation of impacted soil have mitigated impacts at the Site. Depth to groundwater has been determined to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. WSP and Lucid believe these remedial actions are protective of human health, the environment, and groundwater. As such, Lucid respectfully requests no further action for Incident Number NAPP2127262628. A signed C141 Closure Request is included in Attachment 5.

If you have any questions or comments, please do not hesitate to contact Mr. Travis Casey

at (575) 689-5949.

Sincerely,

WSP USA Inc.

Mercy Rotich
Associate Consultant, Geologist

Travis Casey
Consultant, Environmental Scientist

cc:

Bureau of Land Management

Attachments:

Figure 1	Site Location Map
Figure 2	Right of Entry Site Map Location
Figure 3	Delineation Soil Sample Locations
Figure 4	Excavation Soil Sample Locations
Table 1	Soil Analytical Results
Attachment 1	Referenced Well Records
Attachment 2	Lithologic/Sampling Logs
Attachment 3	Photographic Log
Attachment 4	Laboratory Analytical Reports

FIGURES

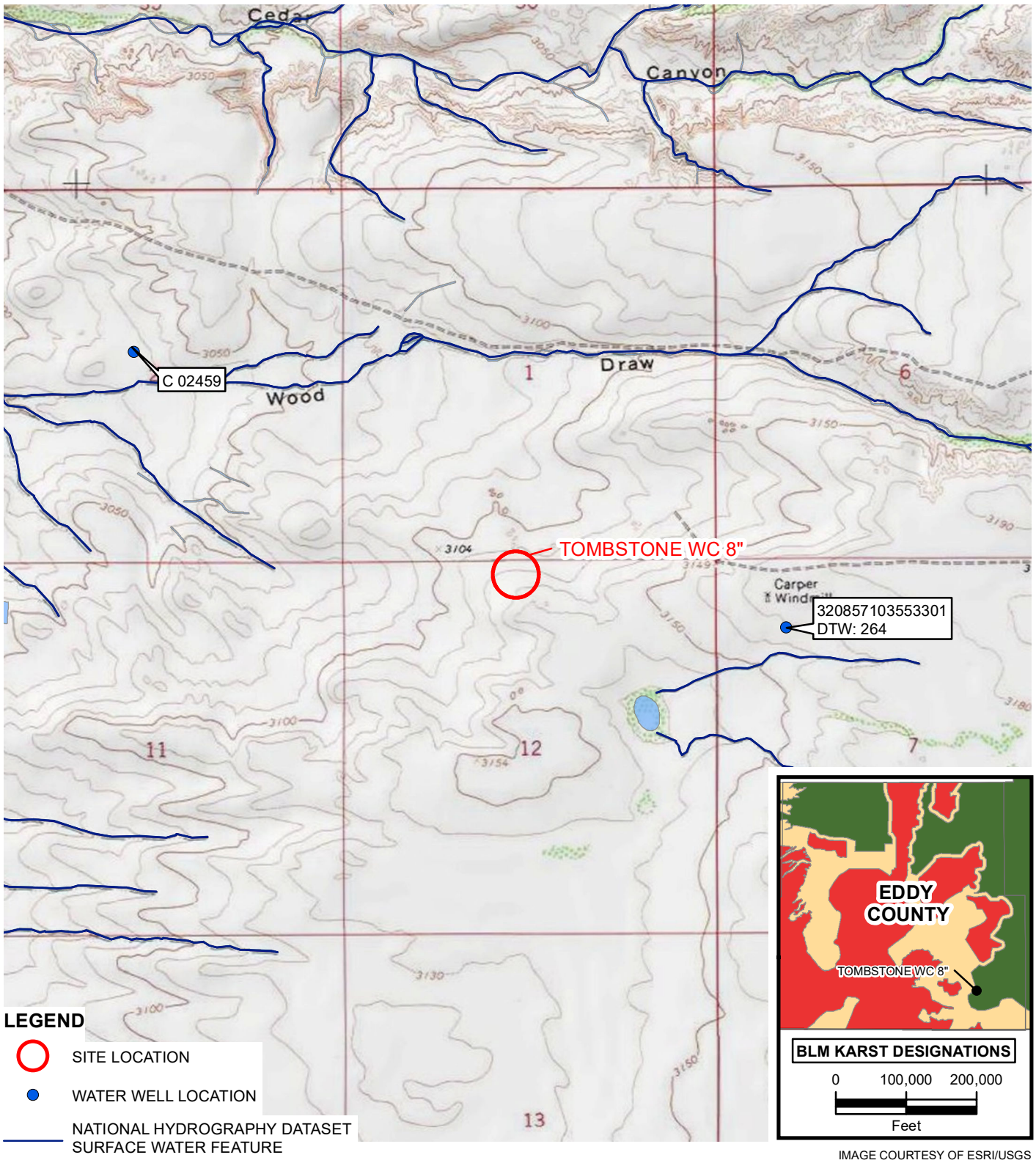

FIGURE 1
SITE LOCATION MAP
TOMBSTONE WC 8"
UNIT C SEC 12-T25S-R29E
EDDY COUNTY, STATE
LUCID ARTESIA COMPANY, LLC

wsp

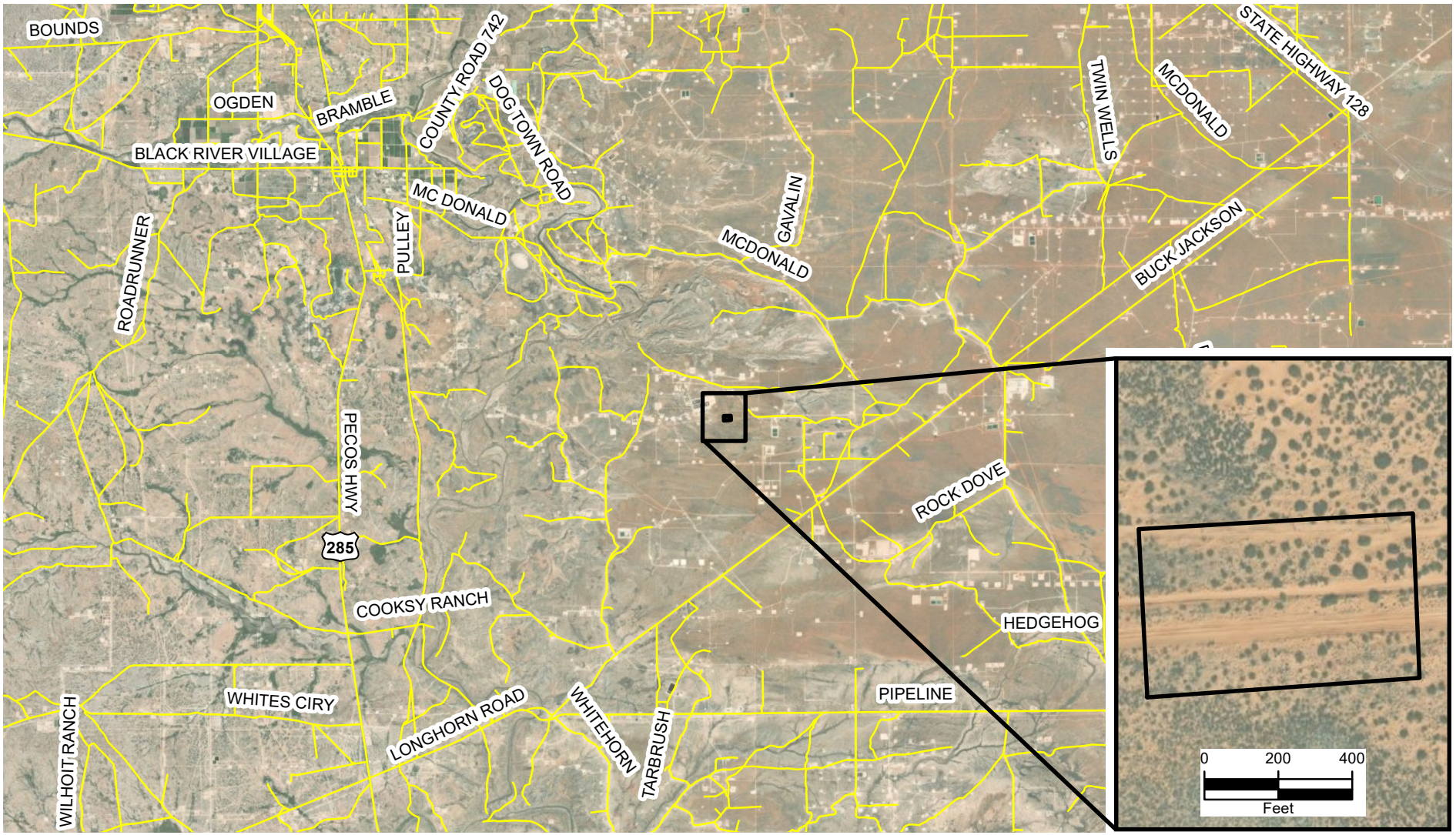

IMAGE COURTESY OF ESRI

LEGEND

ROAD

LAND REQUEST AREA

0 3 6

Miles

N

NOTE: INCIDENT NUMBER NAPP2127262628

FIGURE 2
RIGHT OF ENTRY SITE MAP
TOMBSTONE WC 8"
UNIT C SEC 12-T25S-R29E
EDDY COUNTY, STATE
LUCID ENERGY GROUP

wsp

LEGEND

DELINEATION SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA

IMAGE COURTESY OF ESRI

0 50 100
Feet

N

NOTE: INCIDENT NUMBER NAPP2127262628
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

FIGURE 3
DELINEATION SOIL SAMPLE LOCATIONS
TOMBSTONE WC 8"
UNIT C SEC 12-T25S-R29E
EDDY COUNTY, STATE
LUCID ARTESIA COMPANY, LLC

wsp

LEGEND

- FLOOR SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- SIDEWALL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- EXCAVATION EXTENT

IMAGE COURTESY OF ESRI

0 50 100
Feet

N

NOTE: INCIDENT NUMBER NAPP2127262628
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

FIGURE 4
EXCAVATION SOIL SAMPLE LOCATIONS
TOMBSTONE WC 8"
UNIT C SEC 12-T25S-R29E
EDDY COUNTY, STATE
LUCID ARTESIA COMPANY, LLC

wsp

TABLES

Table 1

Soil Analytical Results
Tombstone WC 8 Inch
Incident Number nAPP2127262628
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	1,000	10,000
Delineation Soil Samples										
PH01	12/15/2021	1	<0.074	<0.30	170	<15	95	170	270	120
PH01	12/15/2021	4	<0.080	<0.32	150	<16	81	150	230	66
PH02	12/15/2021	1	<0.016	<0.06	16	<3.2	<49	16	16	160
PH02	12/15/2021	4	<0.016	<0.06	<10	<3.1	<50	<10	<50	<59
PH04	12/15/2021	5	<0.016	<0.06	<9.8	<3.2	<49	<9.8	<49	210
PH04	12/15/2021	9	<0.017	<0.07	14	<3.5	<49	14	14	70
PH06	12/15/2021	5	<0.015	<0.06	<9.9	<2.9	<50	<9.9	<50	65
Excavation Floor Samples										
FS01	04/27/2022	4	ND	ND	150	ND	120	270	270	510
FS02	04/27/2022	4	ND	ND	600	ND	360	960	960	1,000
FS03	04/27/2022	4	ND	ND	420	4.8	270	424.8	429.6	960
FS04	04/27/2022	4	ND	ND	73	ND	87	73	160	360
Excavation Sidewall Samples										
SW01	04/27/2022	0 - 4	ND	ND	ND	ND	ND	ND	ND	ND
SW02	04/27/2022	0 - 4	ND	ND	ND	ND	ND	ND	ND	220
SW03	04/27/2022	0 - 4	ND	ND	ND	ND	ND	ND	ND	ND
SW04	04/27/2022	0 - 4	ND	ND	ND	ND	ND	ND	ND	67

Notes

ft - feet/foot
mg/kg - milligrams per kilograms
BTEX - benzene, toluene, ethylbenzene, and total xylenes
TPH - total petroleum hydrocarbons
DRO - diesel range organics
GRO - gasoline range organics
ORO - motor oil range organics
NMOCD - New Mexico Oil Conservation Division
NMAC - New Mexico Administrative Code
< - indicates result is less than the stated laboratory method practical quantitation limit
NE - Not Established
BOLD - indicates results exceed the higher of the background sample result or applicable regulatory standard
Greyed data represents samples that were excavated

ATTACHMENT 1: REFERENCED WELL RECORD

Atkins ENGINEERING ASSOCIATES INC.
2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

May 9, 2022

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4561 Pod1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4561 Pod1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

Enclosures: as noted above

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WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
C-4608	n/a	POD-1

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Lucid Energy Delaware, LLC	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
201 S. 4th St.	Artesia	NM	88210

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	9	5.31	N
	LONGITUDE	103	56	19.42	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

NE NE NW Sec 12 T25S R29E, NMPM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
04/19/2022	04/19/2022	temporary well material	±55	n/a

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): n/a

DATE STATIC MEASURED: 04/19/2022, 4/26/20

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
			n/a				

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			n/a		

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FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	4	4	SAND, dary, brown, poorly graded,non plastic fines, fine sand, fine grains.	Y ✓ N	
4	19	15	SAND, well graded sand with gravel and silt, light brown color,abundant gravel	Y ✓ N	
19	40	21	SANDSTONE, fine grains, redish brown, dry, well graded, less consolidation,we	Y ✓ N	
40	50	10	CLAYSTONE, moist, brown-reddish in color, well graded, well sorted,abundant	Y ✓ N	
50	55	5	CLAY, moist, dark brown color, well graded, well sorted, silt, high plasticity	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Drilled soil boring, landed temporary well material. Removed well material and plugged boring with back fill and upper 20 feet hydrated bentonite

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Carmelo Trevino, Cameron Pruitt

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

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Jack Atkins — Jackie D. Atkins — 05/09/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

PLUGGING RECORD

NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4608 POD1

Well owner: Lucid Energy Delaware, LLC Phone No.: 314-330-7876

Mailing address: 201 S. 4th St.

City: Artesia State: New Mexico Zip code: 88210

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)

2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Cameron Pruitt, Carmelo Trevino

4) Date well plugging began: 04/26/2022 Date well plugging concluded: 04/26/2022

5) GPS Well Location: Latitude: 32 deg, 9 min, 5.31 sec
Longitude: 103 deg, 56 min, 19.42 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 56 ft below ground level (bgl), by the following manner: weighted tape

7) Static water level measured at initiation of plugging: n/a ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 04/8/2022

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0-20' Hydrated Bentonite	Approx. 26 gallons	31 gallons	Augers	
	20'-56' Drill Cuttings	Approx.57 gallons	57gallons	Boring	

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

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III. SIGNATURE:

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins

Signature of Well Driller

05/09/2022

Date

Version: September 8, 2009
Page 2 of 2

WR-20 Well Record and Log-forsign

Final Audit Report 2022-05-09

Created:	2022-05-09
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAMb1wlJhQLDDh6EhXhrZcnXSZ7ZvqLbKl

"WR-20 Well Record and Log-forsign" History

Document created by Lucas Middleton (lucas@atkinseng.com)
2022-05-09 - 3:56:11 PM GMT- IP address: 69.21.254.158

Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2022-05-09 - 3:56:43 PM GMT

Email viewed by Jack Atkins (jack@atkinseng.com)
2022-05-09 - 4:08:28 PM GMT- IP address: 64.90.153.232

Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2022-05-09 - 4:10:36 PM GMT - Time Source: server- IP address: 64.90.153.232

Agreement completed.
2022-05-09 - 4:10:36 PM GMT

OSE DII MAY 9 2022 PM1:28

Adobe Acrobat Sign

ATTACHMENT 2: LITHOLOGIC/SAMPLING LOG

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220	BH or PH Name: BH01	Date: 04-19-2022
	Site Name: Tombstone	
	RP or Incident Number:NAPP2127262628	
	WSP Job Number: 31403665.001	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: AD, MR	Method: Hollow Stem Auger
Lat/Long: 32.151476, -103.938729 / Field Screening: N/A	Hole Diameter: 0.5	Total Depth: 55.5 Ft

Comments: SAA; SAME AS ABOVE
M-moist; D-dry; Y-yes; N-no

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D	N/A	N/A	N	BHO1	0-4'	0-2	SP	0-4', SAND, dary, brown, poorly graded,no odor no stain non plastic fines, fine sand, fine grains.
D	N/A	N/A	N		5-9'	5-9	SP-SM	5-9', SAND, well graded sand with gravel and silt, light brown color, abundant gravel, gravel size (1.75 cm), non plastic fines no odor, no stain.
D	N/A	N/A	N		10-14'	10-14	SP-SM	10-14', SAA but Tan color and less gravel.
D	N/A	N/A	N		15-19'	15-19	SP-SM	15-19'; SAA
D	N/A	N/A	N		20-24'	20-24	CL-S	20-24'; SANDSTONE, fine grains, redish brown, dry, well graded, less consolidation,well sorted, abundant silt, no stain, no odor, low plasticity

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220	BH or PH Name: BH01	Date: 04-19-2022
	Site Name: Tombstone	
	RP or Incident Number:NAPP2127262628	
	WSP Job Number: 31403665.001	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: AD, MR	Method: Hollow Stem Auger
Lat/Long: 32.151476, -103.938729 / Field Screening: N/A	Hole Diameter: 0.5	Total Depth: 55.5 Ft

Comments: SAA; SAME AS ABOVE
M-moist; D-dry; Y-yes; N-no

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D	N/A	N/A	N	BHO1	25-29'	25–49	SS	25-26', SANDSTONE, dry, Pooly graded,less plastisity, Tan color traces of gravel, Medium grains, less consolidate, well sorted, no stain, no odor.
D	N/A	N/A	N		30-34		SS	30-34', SAA but Dark broWn color
D	N/A	N/A	N		35-39		SS	35-39', SAA
D	N/A	N/A	N		40-44		CL-S	40-44';CLAYSTONE, moist, brown-reddish in color, well graded well sorted,abundant silt, moderately consolidated, medium plasticity, no stain, no odor.
D	N/A	N/A	N		45-49		CL-S	45-49'; SAA

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220	BH or PH Name: BH01	Date: 04-19-2022
	Site Name: Tombstone	
	RP or Incident Number:NAPP2127262628	
	WSP Job Number: 31403665.001	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: AD, MR	Method: Hollow Stem Auger
Lat/Long: 32.151476, -103.938729	Field Screening: N/A	Hole Diameter: 0.5 / Total Depth: 55.5 Ft

Comments: SAA; SAME AS ABOVE
M-moist; D-dry; Y-yes; N-no

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D	N/A	N/A	N	BHO1	50-55.5	50 51 52 53 54 55	CL	50-55.5';CLAY, moist, dark brown color, well graded, well sorted abundant silt, well consolidated, high plasticity, no stain, no odor.

ATTACHMENT 3: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG		
Lucid Energy Delaware	**TOMBSTONE WC 8” Eddy County, NM**	**NAPP2127262628**

Photo No.	**Date**
1	April 29, 2022

East facing photo of excavation

Photo No.	**Date**
2	April 29, 2022

West facing photo of excavation

ATTACHMENT 4: LABORATORY ANALYTICAL RESULTS

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

December 21, 2021

Joseph S. Hernandez

Lucid Energy
201 South 4th St.
Artesia, NM 88210
TEL:
FAX:

RE: Tombstone WC 8 inch nAPP2127262628 OrderNo.: 2112B09

Dear Joseph S. Hernandez:

Hall Environmental Analysis Laboratory received 7 sample(s) on 12/17/2021 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 www.hallenvironmental.com 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 qualifiers 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 #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2112B09**
Date Reported: **12/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy **Client Sample ID:** PH01@1'
Project: Tombstone WC 8 inch nAPP2127262628 **Collection Date:** 12/15/2021
Lab ID: 2112B09-001 **Matrix:** MEOH (SOIL) **Received Date:** 12/17/2021 7:31:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	170	9.7		mg/Kg	1	12/18/2021 8:41:22 AM
Motor Oil Range Organics (MRO)	95	49		mg/Kg	1	12/18/2021 8:41:22 AM
Surr: DNOP	113	70-130		%Rec	1	12/18/2021 8:41:22 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	15		mg/Kg	5	12/17/2021 10:03:49 AM
Surr: BFB	96.2	70-130		%Rec	5	12/17/2021 10:03:49 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.074		mg/Kg	5	12/17/2021 10:03:49 AM
Toluene	ND	0.15		mg/Kg	5	12/17/2021 10:03:49 AM
Ethylbenzene	ND	0.15		mg/Kg	5	12/17/2021 10:03:49 AM
Xylenes, Total	ND	0.30		mg/Kg	5	12/17/2021 10:03:49 AM
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	5	12/17/2021 10:03:49 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	120	60		mg/Kg	20	12/17/2021 5:18:53 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2112B09**
Date Reported: **12/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy **Client Sample ID:** PH01@4'
Project: Tombstone WC 8 inch nAPP2127262628 **Collection Date:** 12/15/2021
Lab ID: 2112B09-002 **Matrix:** MEOH (SOIL) **Received Date:** 12/17/2021 7:31:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	150	9.6		mg/Kg	1	12/18/2021 9:23:27 AM
Motor Oil Range Organics (MRO)	81	48		mg/Kg	1	12/18/2021 9:23:27 AM
Surr: DNOP	113	70-130		%Rec	1	12/18/2021 9:23:27 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	16		mg/Kg	5	12/17/2021 11:14:42 AM
Surr: BFB	95.7	70-130		%Rec	5	12/17/2021 11:14:42 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.080		mg/Kg	5	12/17/2021 11:14:42 AM
Toluene	ND	0.16		mg/Kg	5	12/17/2021 11:14:42 AM
Ethylbenzene	ND	0.16		mg/Kg	5	12/17/2021 11:14:42 AM
Xylenes, Total	ND	0.32		mg/Kg	5	12/17/2021 11:14:42 AM
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	5	12/17/2021 11:14:42 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	66	61		mg/Kg	20	12/17/2021 6:20:54 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2112B09**
Date Reported: **12/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy **Client Sample ID:** PH02@1'
Project: Tombstone WC 8 inch nAPP2127262628 **Collection Date:** 12/15/2021
Lab ID: 2112B09-003 **Matrix:** MEOH (SOIL) **Received Date:** 12/17/2021 7:31:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	16	9.8		mg/Kg	1	12/18/2021 9:33:49 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/18/2021 9:33:49 AM
Surr: DNOP	114	70-130		%Rec	1	12/18/2021 9:33:49 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	12/17/2021 1:12:24 PM
Surr: BFB	96.0	70-130		%Rec	1	12/17/2021 1:12:24 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.016		mg/Kg	1	12/17/2021 1:12:24 PM
Toluene	ND	0.032		mg/Kg	1	12/17/2021 1:12:24 PM
Ethylbenzene	ND	0.032		mg/Kg	1	12/17/2021 1:12:24 PM
Xylenes, Total	ND	0.063		mg/Kg	1	12/17/2021 1:12:24 PM
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	12/17/2021 1:12:24 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	160	60		mg/Kg	20	12/17/2021 6:33:17 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2112B09**
Date Reported: **12/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy **Client Sample ID:** PH02@4'
Project: Tombstone WC 8 inch nAPP2127262628 **Collection Date:** 12/15/2021
Lab ID: 2112B09-004 **Matrix:** MEOH (SOIL) **Received Date:** 12/17/2021 7:31:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/18/2021 9:44:15 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/18/2021 9:44:15 AM
Surr: DNOP	115	70-130		%Rec	1	12/18/2021 9:44:15 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	3.1		mg/Kg	1	12/17/2021 1:35:49 PM
Surr: BFB	97.3	70-130		%Rec	1	12/17/2021 1:35:49 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.016		mg/Kg	1	12/17/2021 1:35:49 PM
Toluene	ND	0.031		mg/Kg	1	12/17/2021 1:35:49 PM
Ethylbenzene	ND	0.031		mg/Kg	1	12/17/2021 1:35:49 PM
Xylenes, Total	ND	0.062		mg/Kg	1	12/17/2021 1:35:49 PM
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	12/17/2021 1:35:49 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	59		mg/Kg	20	12/17/2021 6:45:41 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2112B09**
Date Reported: **12/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy **Client Sample ID:** PH04@5'
Project: Tombstone WC 8 inch nAPP2127262628 **Collection Date:** 12/15/2021
Lab ID: 2112B09-005 **Matrix:** MEOH (SOIL) **Received Date:** 12/17/2021 7:31:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/18/2021 9:54:42 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/18/2021 9:54:42 AM
Surr: DNOP	105	70-130		%Rec	1	12/18/2021 9:54:42 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	12/17/2021 1:59:27 PM
Surr: BFB	95.8	70-130		%Rec	1	12/17/2021 1:59:27 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.016		mg/Kg	1	12/17/2021 1:59:27 PM
Toluene	ND	0.032		mg/Kg	1	12/17/2021 1:59:27 PM
Ethylbenzene	ND	0.032		mg/Kg	1	12/17/2021 1:59:27 PM
Xylenes, Total	ND	0.063		mg/Kg	1	12/17/2021 1:59:27 PM
Surr: 4-Bromofluorobenzene	98.0	70-130		%Rec	1	12/17/2021 1:59:27 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	210	60		mg/Kg	20	12/17/2021 6:58:06 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2112B09**
Date Reported: **12/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy **Client Sample ID:** PH04@9'
Project: Tombstone WC 8 inch nAPP2127262628 **Collection Date:** 12/15/2021
Lab ID: 2112B09-006 **Matrix:** MEOH (SOIL) **Received Date:** 12/17/2021 7:31:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	14	9.8		mg/Kg	1	12/18/2021 10:05:07 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/18/2021 10:05:07 AM
Surr: DNOP	106	70-130		%Rec	1	12/18/2021 10:05:07 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	12/17/2021 2:23:03 PM
Surr: BFB	95.3	70-130		%Rec	1	12/17/2021 2:23:03 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.017		mg/Kg	1	12/17/2021 2:23:03 PM
Toluene	ND	0.035		mg/Kg	1	12/17/2021 2:23:03 PM
Ethylbenzene	ND	0.035		mg/Kg	1	12/17/2021 2:23:03 PM
Xylenes, Total	ND	0.070		mg/Kg	1	12/17/2021 2:23:03 PM
Surr: 4-Bromofluorobenzene	97.1	70-130		%Rec	1	12/17/2021 2:23:03 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	70	60		mg/Kg	20	12/17/2021 7:10:30 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2112B09**
Date Reported: **12/21/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy **Client Sample ID:** PH06@5'
Project: Tombstone WC 8 inch nAPP2127262628 **Collection Date:** 12/15/2021
Lab ID: 2112B09-007 **Matrix:** MEOH (SOIL) **Received Date:** 12/17/2021 7:31:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/18/2021 10:16:08 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/18/2021 10:16:08 AM
Surr: DNOP	112	70-130		%Rec	1	12/18/2021 10:16:08 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	2.9		mg/Kg	1	12/17/2021 2:46:36 PM
Surr: BFB	95.9	70-130		%Rec	1	12/17/2021 2:46:36 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.015		mg/Kg	1	12/17/2021 2:46:36 PM
Toluene	ND	0.029		mg/Kg	1	12/17/2021 2:46:36 PM
Ethylbenzene	ND	0.029		mg/Kg	1	12/17/2021 2:46:36 PM
Xylenes, Total	ND	0.059		mg/Kg	1	12/17/2021 2:46:36 PM
Surr: 4-Bromofluorobenzene	98.6	70-130		%Rec	1	12/17/2021 2:46:36 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	65	60		mg/Kg	20	12/17/2021 7:22:54 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2112B09**
21-Dec-21

Client: Lucid Energy
Project: Tombstone WC 8 inch nAPP2127262628

Sample ID: **MB-64599** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **64599** RunNo: **84636**
Prep Date: **12/17/2021** Analysis Date: **12/17/2021** SeqNo: **2976350** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-64599** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **64599** RunNo: **84636**
Prep Date: **12/17/2021** Analysis Date: **12/17/2021** SeqNo: **2976351** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.7	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2112B09**

21-Dec-21

Client: Lucid Energy

Project: Tombstone WC 8 inch nAPP2127262628

Sample ID: **MB-64587** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **64587** RunNo: **84646**

Prep Date: **12/17/2021** Analysis Date: **12/18/2021** SeqNo: **2975994** 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								
Surr: DNOP	11		10.00		108	70	130			

Sample ID: **LCS-64587** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **64587** RunNo: **84646**

Prep Date: **12/17/2021** Analysis Date: **12/18/2021** SeqNo: **2975995** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.6	68.9	135			
Surr: DNOP	4.4		5.000		88.0	70	130			

Sample ID: **2112B09-001AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PH01@1'** Batch ID: **64587** RunNo: **84646**

Prep Date: **12/17/2021** Analysis Date: **12/18/2021** SeqNo: **2976016** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	210	9.9	49.65	172.0	76.4	39.3	155			
Surr: DNOP	4.5		4.965		91.0	70	130			

Sample ID: **2112B09-001AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PH01@1'** Batch ID: **64587** RunNo: **84646**

Prep Date: **12/17/2021** Analysis Date: **12/18/2021** SeqNo: **2976017** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	200	9.8	48.83	172.0	63.2	39.3	155	3.43	23.4	
Surr: DNOP	4.5		4.883		91.4	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2112B09**

21-Dec-21

Client: Lucid Energy

Project: Tombstone WC 8 inch nAPP2127262628

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **B84655**	RunNo: **84655**
Prep Date:	Analysis Date: **12/17/2021**	SeqNo: **2976027** 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	1000		1000		100	70	130			

Sample ID: **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **B84655**	RunNo: **84655**
Prep Date:	Analysis Date: **12/17/2021**	SeqNo: **2976028** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.2	78.6	131			
Surr: BFB	1100		1000		113	70	130			

Sample ID: **2112b09-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PH01@1'**	Batch ID: **B84655**	RunNo: **84655**
Prep Date:	Analysis Date: **12/17/2021**	SeqNo: **2976049** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	74	15	74.01	0	99.8	61.3	114			
Surr: BFB	3300		2960		112	70	130			

Sample ID: **2112b09-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PH01@1'**	Batch ID: **B84655**	RunNo: **84655**
Prep Date:	Analysis Date: **12/17/2021**	SeqNo: **2976050** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	72	15	74.01	0	97.5	61.3	114	2.27	20	
Surr: BFB	3200		2960		110	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2112B09**
21-Dec-21

Client: Lucid Energy
Project: Tombstone WC 8 inch nAPP2127262628

Sample ID: **mb** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **D84655** RunNo: **84655**
Prep Date: Analysis Date: **12/17/2021** SeqNo: **2976085** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: **100ng btex lcs** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS** Batch ID: **D84655** RunNo: **84655**
Prep Date: Analysis Date: **12/17/2021** SeqNo: **2976086** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.5	80	120			
Toluene	0.96	0.050	1.000	0	95.8	80	120			
Ethylbenzene	0.96	0.050	1.000	0	95.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.9	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		105	70	130			

Sample ID: **2112b09-002ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PH01@4'** Batch ID: **D84655** RunNo: **84655**
Prep Date: Analysis Date: **12/17/2021** SeqNo: **2976106** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.0	0.080	3.220	0	92.4	80	120			
Toluene	3.0	0.16	3.220	0	94.5	80	120			
Ethylbenzene	3.0	0.16	3.220	0	94.5	80	120			
Xylenes, Total	9.0	0.32	9.659	0	93.6	80	120			
Surr: 4-Bromofluorobenzene	3.2		3.220		101	70	130			

Sample ID: **2112b09-002amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PH01@4'** Batch ID: **D84655** RunNo: **84655**
Prep Date: Analysis Date: **12/17/2021** SeqNo: **2976107** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	2.9	0.080	3.220	0	91.1	80	120	1.43	20	
Toluene	3.0	0.16	3.220	0	92.5	80	120	2.09	20	
Ethylbenzene	3.0	0.16	3.220	0	92.5	80	120	2.11	20	
Xylenes, Total	9.0	0.32	9.659	0	92.7	80	120	0.984	20	
Surr: 4-Bromofluorobenzene	3.3		3.220		103	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Lucid Energy | Work Order Number: 2112B09 | RcptNo: 1

Received By: **Tracy Casarrubias** 12/17/2021 7:31:00 AM

Completed By: **Sean Livingston** 12/17/2021 8:11:52 AM

Reviewed By: KPG 12/17/21

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: CM 12/17/21

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.2	Good				
2	2.7	Good				

Chain-of-Custody Record

Client: Lucid Energy Group

Michael Gant

Mailing Address: 201 S 4th Artesia, NM 88210

Phone #: 575-810-6144

email or Fax#: mgant@lucid-energy.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☐ Standard ■ Rush 24 hr

Project Name: Tombstone WC 8" (nAPP2127262628)

Project #: 31403665.012

Project Manager: Joseph S. Hernandez

Sampler: Connor Shore
On Ice: ☑ Yes ☐ No
# of Coolers: 2
Cooler Temp(including CF): See Remarks

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2112309	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12-15		S	PH01@1'		N/A	001	X	X					X			
12-15		S	PH01@4'		N/A	002										
12-15		S	PH02@1'		N/A	003										
12-15		S	PH02@4'		N/A	004										
12-15		S	PH04@5'		N/A	005										
12-15		S	PH04@9'		N/A	006										
12-15		S	PH06@5'		N/A	007										

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
12-16-21	12:05				12/16/21	1205
12/16/21	1900				12/17/21	7:31

Remarks:
Direct bill to Lucid Energy
AFE 300082
Prop # 195225000
Company # 860
Send confirmation and lab report to joe.hernandez@wsp.com

Cooler 1.) 5.4 - 0.2 = 5.2
Cooler 2.) 2.9 - 0.2 = 2.7

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

May 13, 2022

Michael Gant

Lucid Energy
201 South 4th St.
Artesia, NM 88210
TEL:
FAX:

RE: Tombstone OrderNo.: 2205060

Dear Michael Gant:

Hall Environmental Analysis Laboratory received 8 sample(s) on 5/3/2022 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 www.hallenvironmental.com 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 qualifiers 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 #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2205060**
Date Reported: **5/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy
Client Sample ID: FS01@ 4 FT
Project: Tombstone
Collection Date: 4/27/2022 9:32:00 AM
Lab ID: 2205060-001 **Matrix:** SOIL **Received Date:** 5/3/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	150	9.6		mg/Kg	1	5/5/2022 11:03:57 PM
Motor Oil Range Organics (MRO)	120	48		mg/Kg	1	5/5/2022 11:03:57 PM
Surr: DNOP	98.0	51.1-141		%Rec	1	5/5/2022 11:03:57 PM
EPA METHOD 300.0: ANIONS						Analyst: **NAI**
Chloride	510	60		mg/Kg	20	5/7/2022 2:35:34 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JR**
Benzene	ND	0.025		mg/Kg	1	5/5/2022 6:20:30 PM
Toluene	ND	0.049		mg/Kg	1	5/5/2022 6:20:30 PM
Ethylbenzene	ND	0.049		mg/Kg	1	5/5/2022 6:20:30 PM
Xylenes, Total	ND	0.098		mg/Kg	1	5/5/2022 6:20:30 PM
Surr: 1,2-Dichloroethane-d4	91.1	70-130		%Rec	1	5/5/2022 6:20:30 PM
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	5/5/2022 6:20:30 PM
Surr: Dibromofluoromethane	120	70-130		%Rec	1	5/5/2022 6:20:30 PM
Surr: Toluene-d8	90.9	70-130		%Rec	1	5/5/2022 6:20:30 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JR**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/5/2022 6:20:30 PM
Surr: BFB	111	70-130		%Rec	1	5/5/2022 6:20:30 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2205060**
Date Reported: **5/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy
Client Sample ID: FS02@ 4FT
Project: Tombstone
Collection Date: 4/29/2022 9:02:00 AM
Lab ID: 2205060-002 **Matrix:** SOIL **Received Date:** 5/3/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	600	9.8		mg/Kg	1	5/5/2022 11:17:26 PM
Motor Oil Range Organics (MRO)	360	49		mg/Kg	1	5/5/2022 11:17:26 PM
Surr: DNOP	97.0	51.1-141		%Rec	1	5/5/2022 11:17:26 PM
EPA METHOD 300.0: ANIONS						Analyst: **NAI**
Chloride	1000	60		mg/Kg	20	5/7/2022 2:47:55 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JR**
Benzene	ND	0.024		mg/Kg	1	5/5/2022 6:49:00 PM
Toluene	ND	0.047		mg/Kg	1	5/5/2022 6:49:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	5/5/2022 6:49:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	5/5/2022 6:49:00 PM
Surr: 1,2-Dichloroethane-d4	97.1	70-130		%Rec	1	5/5/2022 6:49:00 PM
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	5/5/2022 6:49:00 PM
Surr: Dibromofluoromethane	117	70-130		%Rec	1	5/5/2022 6:49:00 PM
Surr: Toluene-d8	93.0	70-130		%Rec	1	5/5/2022 6:49:00 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JR**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/5/2022 6:49:00 PM
Surr: BFB	114	70-130		%Rec	1	5/5/2022 6:49:00 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2205060**
Date Reported: **5/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy
Client Sample ID: FS03@ 4FT
Project: Tombstone
Collection Date: 4/29/2022 11:25:00 AM
Lab ID: 2205060-003 **Matrix:** SOIL **Received Date:** 5/3/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	420	9.0		mg/Kg	1	5/5/2022 11:30:56 PM
Motor Oil Range Organics (MRO)	270	45		mg/Kg	1	5/5/2022 11:30:56 PM
Surr: DNOP	94.6	51.1-141		%Rec	1	5/5/2022 11:30:56 PM
EPA METHOD 300.0: ANIONS						Analyst: **NAI**
Chloride	960	60		mg/Kg	20	5/7/2022 3:00:16 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JR**
Benzene	ND	0.023		mg/Kg	1	5/5/2022 7:17:35 PM
Toluene	ND	0.047		mg/Kg	1	5/5/2022 7:17:35 PM
Ethylbenzene	ND	0.047		mg/Kg	1	5/5/2022 7:17:35 PM
Xylenes, Total	ND	0.093		mg/Kg	1	5/5/2022 7:17:35 PM
Surr: 1,2-Dichloroethane-d4	94.4	70-130		%Rec	1	5/5/2022 7:17:35 PM
Surr: 4-Bromofluorobenzene	94.3	70-130		%Rec	1	5/5/2022 7:17:35 PM
Surr: Dibromofluoromethane	116	70-130		%Rec	1	5/5/2022 7:17:35 PM
Surr: Toluene-d8	89.1	70-130		%Rec	1	5/5/2022 7:17:35 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JR**
Gasoline Range Organics (GRO)	4.8	4.7		mg/Kg	1	5/5/2022 7:17:35 PM
Surr: BFB	115	70-130		%Rec	1	5/5/2022 7:17:35 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2205060**
Date Reported: **5/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy
Client Sample ID: FS04@ 4FT
Project: Tombstone
Collection Date: 4/29/2022 1:25:00 PM
Lab ID: 2205060-004 **Matrix:** SOIL **Received Date:** 5/3/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	73	9.4		mg/Kg	1	5/5/2022 11:44:21 PM
Motor Oil Range Organics (MRO)	87	47		mg/Kg	1	5/5/2022 11:44:21 PM
Surr: DNOP	99.3	51.1-141		%Rec	1	5/5/2022 11:44:21 PM
EPA METHOD 300.0: ANIONS						Analyst: **NAI**
Chloride	360	60		mg/Kg	20	5/7/2022 3:12:36 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JR**
Benzene	ND	0.025		mg/Kg	1	5/5/2022 7:46:01 PM
Toluene	ND	0.050		mg/Kg	1	5/5/2022 7:46:01 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/5/2022 7:46:01 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/5/2022 7:46:01 PM
Surr: 1,2-Dichloroethane-d4	92.9	70-130		%Rec	1	5/5/2022 7:46:01 PM
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	1	5/5/2022 7:46:01 PM
Surr: Dibromofluoromethane	121	70-130		%Rec	1	5/5/2022 7:46:01 PM
Surr: Toluene-d8	90.1	70-130		%Rec	1	5/5/2022 7:46:01 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JR**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/5/2022 7:46:01 PM
Surr: BFB	108	70-130		%Rec	1	5/5/2022 7:46:01 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2205060**
Date Reported: **5/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy
Client Sample ID: SW01@ 0-4FT
Project: Tombstone
Collection Date: 4/29/2022 9:06:00 AM
Lab ID: 2205060-005 **Matrix:** SOIL **Received Date:** 5/3/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	5/5/2022 11:57:49 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/5/2022 11:57:49 PM
Surr: DNOP	99.6	51.1-141		%Rec	1	5/5/2022 11:57:49 PM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	ND	60		mg/Kg	20	5/11/2022 11:54:35 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JR**
Benzene	ND	0.024		mg/Kg	1	5/5/2022 8:14:26 PM
Toluene	ND	0.049		mg/Kg	1	5/5/2022 8:14:26 PM
Ethylbenzene	ND	0.049		mg/Kg	1	5/5/2022 8:14:26 PM
Xylenes, Total	ND	0.098		mg/Kg	1	5/5/2022 8:14:26 PM
Surr: 1,2-Dichloroethane-d4	95.4	70-130		%Rec	1	5/5/2022 8:14:26 PM
Surr: 4-Bromofluorobenzene	94.3	70-130		%Rec	1	5/5/2022 8:14:26 PM
Surr: Dibromofluoromethane	120	70-130		%Rec	1	5/5/2022 8:14:26 PM
Surr: Toluene-d8	90.3	70-130		%Rec	1	5/5/2022 8:14:26 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JR**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/5/2022 8:14:26 PM
Surr: BFB	112	70-130		%Rec	1	5/5/2022 8:14:26 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2205060**
Date Reported: **5/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy
Client Sample ID: SW02@ 0-4FT
Project: Tombstone
Collection Date: 4/29/2022 12:00:00 PM
Lab ID: 2205060-006 **Matrix:** SOIL **Received Date:** 5/3/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	5/6/2022 12:11:26 AM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	5/6/2022 12:11:26 AM
Surr: DNOP	101	51.1-141		%Rec	1	5/6/2022 12:11:26 AM
EPA METHOD 300.0: ANIONS						Analyst: **CAS**
Chloride	220	60		mg/Kg	20	5/11/2022 12:06:59 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JR**
Benzene	ND	0.025		mg/Kg	1	5/5/2022 8:42:51 PM
Toluene	ND	0.050		mg/Kg	1	5/5/2022 8:42:51 PM
Ethylbenzene	ND	0.050		mg/Kg	1	5/5/2022 8:42:51 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/5/2022 8:42:51 PM
Surr: 1,2-Dichloroethane-d4	90.3	70-130		%Rec	1	5/5/2022 8:42:51 PM
Surr: 4-Bromofluorobenzene	93.2	70-130		%Rec	1	5/5/2022 8:42:51 PM
Surr: Dibromofluoromethane	114	70-130		%Rec	1	5/5/2022 8:42:51 PM
Surr: Toluene-d8	90.1	70-130		%Rec	1	5/5/2022 8:42:51 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JR**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/5/2022 8:42:51 PM
Surr: BFB	111	70-130		%Rec	1	5/5/2022 8:42:51 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2205060**
Date Reported: **5/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy
Client Sample ID: SW03@ 0-4FT
Project: Tombstone
Collection Date: 4/29/2022 12:05:00 PM
Lab ID: 2205060-007 **Matrix:** SOIL **Received Date:** 5/3/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	5/6/2022 12:25:09 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	5/6/2022 12:25:09 AM
Surr: DNOP	102	51.1-141		%Rec	1	5/6/2022 12:25:09 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	5/9/2022 5:57:20 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JR**
Benzene	ND	0.023		mg/Kg	1	5/5/2022 9:11:17 PM
Toluene	ND	0.046		mg/Kg	1	5/5/2022 9:11:17 PM
Ethylbenzene	ND	0.046		mg/Kg	1	5/5/2022 9:11:17 PM
Xylenes, Total	ND	0.093		mg/Kg	1	5/5/2022 9:11:17 PM
Surr: 1,2-Dichloroethane-d4	94.2	70-130		%Rec	1	5/5/2022 9:11:17 PM
Surr: 4-Bromofluorobenzene	97.1	70-130		%Rec	1	5/5/2022 9:11:17 PM
Surr: Dibromofluoromethane	118	70-130		%Rec	1	5/5/2022 9:11:17 PM
Surr: Toluene-d8	90.5	70-130		%Rec	1	5/5/2022 9:11:17 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JR**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	5/5/2022 9:11:17 PM
Surr: BFB	112	70-130		%Rec	1	5/5/2022 9:11:17 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2205060**
Date Reported: **5/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy
Client Sample ID: SW04@ 0-4FT
Project: Tombstone
Collection Date: 4/29/2022 1:27:00 PM
Lab ID: 2205060-008 **Matrix:** SOIL **Received Date:** 5/3/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	5/6/2022 12:38:45 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	5/6/2022 12:38:45 AM
Surr: DNOP	103	51.1-141		%Rec	1	5/6/2022 12:38:45 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	67	60		mg/Kg	20	5/9/2022 6:09:44 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JR**
Benzene	ND	0.025		mg/Kg	1	5/5/2022 9:39:47 PM
Toluene	ND	0.049		mg/Kg	1	5/5/2022 9:39:47 PM
Ethylbenzene	ND	0.049		mg/Kg	1	5/5/2022 9:39:47 PM
Xylenes, Total	ND	0.098		mg/Kg	1	5/5/2022 9:39:47 PM
Surr: 1,2-Dichloroethane-d4	92.3	70-130		%Rec	1	5/5/2022 9:39:47 PM
Surr: 4-Bromofluorobenzene	97.6	70-130		%Rec	1	5/5/2022 9:39:47 PM
Surr: Dibromofluoromethane	114	70-130		%Rec	1	5/5/2022 9:39:47 PM
Surr: Toluene-d8	91.0	70-130		%Rec	1	5/5/2022 9:39:47 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JR**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/5/2022 9:39:47 PM
Surr: BFB	112	70-130		%Rec	1	5/5/2022 9:39:47 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205060**

13-May-22

Client: Lucid Energy

Project: Tombstone

Sample ID: **MB-67318**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **67318**	RunNo: **87798**
Prep Date: **5/6/2022**	Analysis Date: **5/6/2022**	SeqNo: **3111702** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-67318**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **67318**	RunNo: **87798**
Prep Date: **5/6/2022**	Analysis Date: **5/6/2022**	SeqNo: **3111703** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.1	90	110			

Sample ID: **MB-67328**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **67328**	RunNo: **87845**
Prep Date: **5/6/2022**	Analysis Date: **5/9/2022**	SeqNo: **3112998** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-67328**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **67328**	RunNo: **87845**
Prep Date: **5/6/2022**	Analysis Date: **5/9/2022**	SeqNo: **3112999** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.4	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205060**

13-May-22

Client: Lucid Energy

Project: Tombstone

Sample ID: **MB-67279**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **67279**	RunNo: **87770**
Prep Date: **5/5/2022**	Analysis Date: **5/5/2022**	SeqNo: **3108790** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.6		10.00		96.5	51.1	141			

Sample ID: **LCS-67279**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **67279**	RunNo: **87770**
Prep Date: **5/5/2022**	Analysis Date: **5/5/2022**	SeqNo: **3108791** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		94.1	51.1	141			

Sample ID: **LCS-67261**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **67261**	RunNo: **87770**
Prep Date: **5/4/2022**	Analysis Date: **5/5/2022**	SeqNo: **3110540** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50.00	0	81.4	68.9	135			
Surr: DNOP	4.7		5.000		93.5	51.1	141			

Sample ID: **MB-67261**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **67261**	RunNo: **87770**
Prep Date: **5/4/2022**	Analysis Date: **5/5/2022**	SeqNo: **3110541** 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								
Surr: DNOP	9.8		10.00		98.3	51.1	141			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205060**

13-May-22

Client: Lucid Energy

Project: Tombstone

Sample ID: **mb-67237**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS**	Batch ID: **67237**	RunNo: **87785**
Prep Date: **5/3/2022**	Analysis Date: **5/5/2022**	SeqNo: **3109334** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.3	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.1	70	130			
Surr: Dibromofluoromethane	0.62		0.5000		123	70	130			
Surr: Toluene-d8	0.45		0.5000		90.7	70	130			

Sample ID: **LCS-67237**	SampType: **LCS4**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **BatchQC**	Batch ID: **67237**	RunNo: **87830**
Prep Date: **5/3/2022**	Analysis Date: **5/6/2022**	SeqNo: **3111395** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.2	80	120			
Toluene	0.84	0.050	1.000	0	84.2	80	120			
Ethylbenzene	0.88	0.050	1.000	0	88.0	80	120			
Xylenes, Total	2.6	0.10	3.000	0	86.6	80	120			
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.3	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.7	70	130			
Surr: Dibromofluoromethane	0.58		0.5000		116	70	130			
Surr: Toluene-d8	0.45		0.5000		90.7	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205060**

13-May-22

Client: Lucid Energy

Project: Tombstone

Sample ID: **LCS-67237**	SampType: **LCS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS**	Batch ID: **67237**	RunNo: **87785**
Prep Date: **5/3/2022**	Analysis Date: **5/5/2022**	SeqNo: **3109370** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.9	70	130			
Surr: BFB	550		500.0		110	70	130			

Sample ID: **mb-67237**	SampType: **MBLK**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS**	Batch ID: **67237**	RunNo: **87785**
Prep Date: **5/3/2022**	Analysis Date: **5/5/2022**	SeqNo: **3109371** 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	550		500.0		110	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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: Lucid Energy | Work Order Number: 2205060 | RcptNo: 1

Received By: Juan Rojas 5/3/2022 7:00:00 AM

Completed By: Tracy Casarrubias 5/3/2022 8:23:04 AM

Reviewed By: KPG 5-3-22

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: JNS 5/3/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.7	Good	Yes			

Chain-of-Custody Record

Client: Lucid Energy Group

Michael Gant

Mailing Address: 201 S 4th Artesia, NM 88210

Phone #: 575-810-6144

email or Fax#: mgant@lucid-energy.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☐ Standard ☒ Rush 5 Day

Project Name: Tombstone

Project #: 31403665.012

Project Manager: Travis L Casey

Sampler: Payton Benner

On Ice: ~~☒~~ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 1.6+0.1=1.7

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2205060	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
04-27-22	9:32	S	FS01 @ 4 FT	JAR,1	N/A	001	■	■					■			
04-29-22	9:02	S	FS02 @ 4 FT	JAR,1	N/A	002	■	■					■			
04-29-22	11:25	S	FS03 @ 4 FT	JAR,1	N/A	003	■	■					■			
04-29-22	13:25	S	FS04 @ 4 FT	JAR,1	N/A	004	■	■					■			
04-29-22	9:06	S	SW01 @ 0-4 FT	JAR,1	N/A	005	■	■					■			
04-29-22	12:00	S	SW02 @ 0-4 FT	JAR,1	N/A	006	■	■					■			
04-29-22	12:05	S	SW03 @ 0-4 FT	JAR,1	N/A	007	■	■					■			
04-29-22	13:27	S	SW04 @ 0-4 FT	JAR,1	N/A	008	■	■					■			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
5-2-22	1:15	JPenner				
5/2/22	1900			courier	5/3/22	7:00

Remarks:
Direct bill to Lucid Energy
Prop # 195211500
Company # 860
Send confirmation and lab report to travis.casey@wsp.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

ATTACHMENT 5: C141 CLOSURE REQUEST FORM

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☑ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☑ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☑ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Michael Gant Title: Environmental Compliance Manager

Signature: MGant Date: 5/26/2022

email: MGant@lucid-energy.com Telephone: 3143307876

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui Date: 06/03/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

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
District IV
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 111337

CONDITIONS

Operator: LUCID ENERGY DELAWARE, LLC 201 S. Fourth Street Artesia, NM 88210	OGRID: 372422
	Action Number: 111337
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	6/3/2022