District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nTO1418952499
District RP	1RP-3024
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	BREITBURN OPERATING LP	OGRID	370080
Contact Name	Thomas Heinzel	Contact Telephone	432-701-7802
Contact email	thomas.heinzel@mavresources.com	Incident # *(assigned by OCD)*	nTO1418952499
Contact mailing address			

Location of Release Source

Latitude 32.3680496 Longitude -103.1977158
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	ENCORE M STATE #001	Site Type	Battery
Date Release Discovered	03/19/2014	API# *(if applicable)*	30-025-38961

Unit Letter	Section	Township	Range	County
A	30	22S	37E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) Unkn	Volume Recovered (bbls) Unkn
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Electrical malfunction caused the alarms to not work, and the pump to not turn on which overran the tanks/ Total of 8,161 was scraped down 6" to remove wet soil.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nTO1418952499
District RP	1RP-3024
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Was this a major release as defined by 19.15.29.7(A) NMAC? ■ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? The unknown volume of the release deems it a major release.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, Geoff Leking	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

- ■ The source of the release has been stopped.
- ■ The impacted area has been secured to protect human health and the environment.
- ■ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ■ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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.

Printed Name: Thomas Haigood Title: HSE Specialist

Signature: Date: 11/15/2021

email: thomas.haigood@mavresources.com Telephone: 432-701-7807

OCD Only

Received by: Date:

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nTO1418952499
District RP	1RP-3024
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	90 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ■ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ■ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ■ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ■ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ■ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ■ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ■ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ■ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ■ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ■ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ■ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ■ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ■ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ■ Data table of soil contaminant concentration data
- ■ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ■ Boring or excavation logs
- ■ Photographs including date and GIS information
- ■ Topographic/Aerial maps
- ■ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nTO1418952499
District RP	1RP-3024
Facility ID	
Application ID	

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.

Printed Name: Thomas Haigood Title: HSE Specialist

Signature: [signature] Date: 11-15-2021

email: thomas.haigood@mavresources.com Telephone: 432-701-7805

OCD Only

Received by: _____ Date: _____

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	nTO1418952499
District RP	1RP-3024
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ■ Detailed description of proposed remediation technique
- ■ Scaled sitemap with GPS coordinates showing delineation points
- ■ Estimated volume of material to be remediated
- ■ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ■ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: Thomas Haigwood Title: HSE Specialist

Signature: [signature] Date: 11-15-2021

email: thomas.haigwood@mavresources.com Telephone: 432-701-7807

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nTO1418952499
District RP	1RP-3024
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: Thomas Haygood Title: HSE Specialist

Signature: [signature] Date: 11-15-2021

email: thomas.haygood@mavresources.com Telephone: 432-701-7800

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: _____ Date: _____

Printed Name: _____ Title: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nTO1418952499
District RP	1RP-3024
Facility ID	
Application ID	

Closure

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- ■ 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: Thomas Haygood Title: HSE Specialist

Signature: [signature] Date: 11-15-2021

email: thomas.haygood@mavresources.com Telephone: 432-701-7800

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: Brittany Hall Date: 1/19/2023

Printed Name: Brittany Hall Title: Environmental Specialist

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
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 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Quantum Resources	Contact Dee Fryar
Address 4000 N. Big Spring, Suite 305, Midland, TX 79705	Telephone No. (432) 683-1500
Facility Name M State Central Tank Battery	Facility Type Battery

Surface Owner State	Mineral Owner	API No. 30-025-38961

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	30	22S	37E	594	FNL	1119	FEL	Lea

Latitude 32.368300 **Longitude** -103.197300

NATURE OF RELEASE

Type of Release Produced water and oil	Volume of Release 135 bbls water/5 bbls oil	Volume Recovered 116 bbls water/4 bbls oil
Source of Release Water tank	Date and Hour of Occurrence 3/19/14 2:00 am	Date and Hour of Discovery 3/19/14 2:00 am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? NMOCD District 1	
By Whom? Dee Fryar	Date and Hour 3/19/14 3:55 pm	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
An electrical malfunction caused the alarms not to work and the pump not to turn on which ran the water tank over.

Describe Area Affected and Cleanup Action Taken.*
The release affected 21,941 sq ft of battery pad, lease pad, lease road and pasture land. A total of 8,161 sq ft of the release has been scraped down 6 inches to remove the wet soil. The site was sampled on 3/25/14 and the samples were taken to a commercial laboratory for analysis. Once the labs have been received, a path forward will be determined to remediate the release. The site will be remediated to NMOCD standards.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Dee Fryar	OIL CONSERVATION DIVISION	
Printed Name: Dee Fryar	Approved by Environmental Specialist:	
Title: Permian EH&S Coordinator	Approval Date:	Expiration Date:
E-mail Address: dfryar@qracq.com	Conditions of Approval:	Attached ☐
Date: 3-21-14 Phone: (432) 683-1500		

* Attach Additional Sheets If Necessary

needs final

Quantum Resources Management, LLC

QUANTUM RESOURCES MANAGEMENT, LLC

4320 SW 3001
Andrews, TX 79714
Phone 432.523.1800

M State Central Tank Battery

Termination Request

API No. 30-025-38961

Release Date: March 19th, 2014

Unit Letter A, Section 30, Township 22S, Range 37E

RECS
RICE ENVIRONMENTAL
CONSULTING & SAFETY
PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

May 15th, 2014

Geoffrey Leking
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau – District 1
1625 N. French Dr.
Hobbs, NM 88240-9273

RE: **Termination Request**
Quantum Resources – M State Central Tank Battery
UL/A sec. 30 T22S R37E
API No. 30-025-38961

Mr. Leking:

Quantum Resources has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the above-referenced site.

Background and Previous Work

The site is located approximately 5.1 miles southwest of Eunice, New Mexico at UL/A sec. 30 T22S R37E. NM OSE and BLM records indicate that groundwater will likely be encountered at a depth of approximately 79 +/- feet.

On March 19th, 2014, an electrical malfunction caused the alarms to fail, which resulted in the water tank running over. A total of 135 barrels of produced water and 5 barrels of oil were released over 21,941 square feet of battery, lease pad, lease road and pasture. A total of 116 barrels of produced water and 4 barrels of oil were recovered. NMOCD was notified of the release on March 19th, 2014, and an initial C-141 was submitted to NMOCD for their approval (Appendix A).

Prior to RECS arriving at the site, parts of the release had been scraped down to a total of 8,161 square feet to remove the wet soil (Figure 1). RECS personnel arrived on site beginning on March 25th, 2014 to assess the release. Ten points within the release area were field sampled at the surface and four points were sampled with depth. The samples were field tested for chlorides and organic vapors and all samples were sent to a commercial laboratory for analysis (Appendix B).

On April 7th, 2014, a Corrective Action Plan (CAP) was submitted to NMOCD, which was approved on April 10th, 2014. Based on the laboratory analysis of the release, the areas around Point 1, Point 7, Point 9 and Point 10 would be scraped down 1 – 1.5 ft (Figure 2). The areas around Points 2 – 4 and Point 6 would be scraped down 6 inches. Point 5 and Point 8 returned low laboratory chloride and TPH readings; therefore, these areas required no further action. The

battery pad is lined except for the northern most area. The gravel would be removed from the lined portion of the battery by shovel and by hydrovac. The northern most portion of the battery would be scraped down 6 inches by shovel and hydrovac and a composite sample of this area would be taken to show residual chloride and TPH readings. The remainder of the northern portion of the battery would be remediated upon facility abandonment. Clean gravel would be imported to the site to replace the contaminated gravel.

Once the scrapes outside the bermed battery were completed, composite samples from the base of each scrape would be taken to a commercial laboratory to verify that the chloride levels were below 250 mg/kg and TPH levels were below 1,000 mg/kg. If any scrape showed evidence in the field that the composite would not meet these standards, the scrape would be deepened until these standards were met.

The excavated soils would be evaluated for use as backfill and any soils that did not meet regulatory standards would be taken to a NMOCD approved facility for disposal. Clean soil would be imported to the site to replace any soils taken to disposal. The excavated soils would be blended on site with any imported soil. The blended soil would be used as backfill for the site. A sample of the blended soil would be taken to a commercial laboratory to confirm that the chloride value was below 500 mg/kg and the TPH value was below 1,000 mg/kg. All scrapes would be backfilled to the surface with the blended soil and contoured to the surrounding location. Upon completion of backfilling, soil amendments would be added as needed to the pasture area and then seeded with a blend of native vegetation.

As a requirement for CAP approval, NMOCD requested that a clay liner be installed at the north end of the battery.

Corrective action activities began at the site on April 15th, 2014. The release outside the battery was scraped down as shown in Figure 3. Composite samples from each scrape were taken and field tested for chlorides. The samples were then taken to a commercial laboratory for analysis. As evidenced on Figure 3, some of the laboratory analyses returned values above regulatory standards (Appendix C). When this occurred, the scrape was deepened until regulatory standards were met by laboratory analysis. A total of 308 cubic yards of contaminated soil was taken to a NMOCD approved facility for disposal. A total of 108 cubic yards of top soil, 60 cubic yards of gravel and 244 cubic yards of caliche were imported to the site to replace the contaminated soil taken for disposal. The remainder of the excavated top soil was blended on site with the imported top soil. A composite sample of this blended top soil was taken to a commercial laboratory for analysis and returned a chloride, GRO and DRO value of non-detect. A sample of the imported caliche was taken to a commercial laboratory and returned a chloride value of 80 mg/kg (Appendix D).

A total of 12 yards of clay was imported to the site to serve as a liner in the north end of the battery. The clay was installed to the edge of the liner and then the clay was overlaid with caliche.

On May 1st, 2014, NMOCD gave verbal approval for the site to be backfilled. The scrapes were backfilled with either the imported caliche or the blended top soil and then contoured to the

surrounding location. On May 5th, 2014, the pasture areas were seeded with a total of 20 pounds of Lea County Mix.

Photo documentation of all activities can be found in Appendix E.

Given that Quantum completed the CAP work as approved by NMOCD, Quantum respectfully requests 'remediation termination' and site closure. A final C-141 can be found in Appendix F.

RECS appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 393-2967 or me if you have any questions or wish to discuss the site.

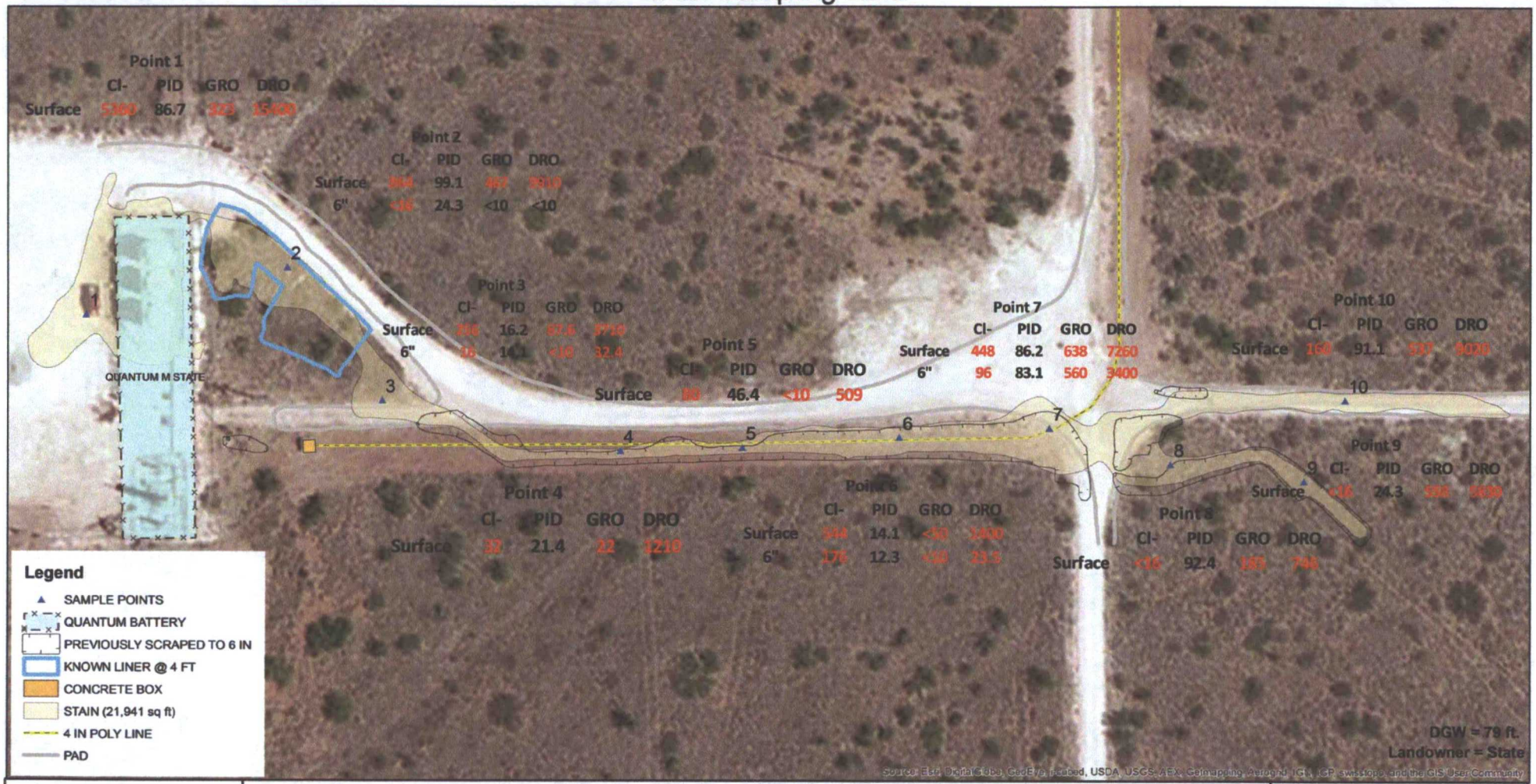
Sincerely,

Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Attachments:

- Figure 1 – Initial Sampling Data
- Figure 2 – Proposed Corrective Actions
- Appendix A – Initial C-141
- Appendix B – Initial Sampling Lab
- Appendix C – Photo Documentation
- Appendix D – Blended Spoil Pile Lab and Imported Caliche Lab
- Appendix E – Photo Documentation
- Appendix F – Final C-141

Initial Sampling Data



RECS
RICE ENVIRONMENTAL
CONSULTING & SAFETY

QUANTUM
M STATE CENTRAL TANK BATTERY AD

LEGALS: UL/A SEC 30,
UL/D SEC 29, T22S R37E
LEA COUNTY, NM

Figure 1

N W E S

0 50 100 Feet

GPS date: 3/21/14 TG & 3/25/14 AG
Drawing date: 3/25/14
Drafted by: T. Grieco

Excavation Data

6" Scrape Comp

Cl-	GRO	DRO	Date
240	<10	<10	4/24/2014

Battery 3 pt. Comp

Cl-	GRO	DRO	Date
352	287	3210	4/25/2014

8 Pt Comp at 6 inches

Cl-	GRO	DRO	Date
32	15.4	593	4/16/2014

West Road Comp

	Cl-	GRO	DRO	Date
1 ft	160	30.6	1800	4/24/2014
2 ft	48	<10	<10	4/28/2014

Spoil Pile Comp.

Cl-	GRO	DRO	Date
<16	<10	<10	4/24/2014

Area 4 Comp at 6 inches

Cl-	GRO	DRO	Date
32	<10	<10	4/15/2014

East Rd. 5 pt. Comp

	Cl-	GRO	DRO	Date
6 in	176	<10	1160	4/15/2014
8 in	96	<10	1620	4/24/2014
1 ft	48	<10	220	4/29/2014

Area 2 Comp at 1 ft

Cl-	GRO	DRO	Date
<16	<10	<10	4/15/2014

PT 1, PT 2, PT 3, PT 4, PT 5, PT 6, PT 7, PT 8, Pt 6

QUANTUM M STATE

DGW = 79 ft.
Landowner = State

Source: Esri, Digita

Legend

- FINAL SAMPLE POINTS
- PIPE END
- SCRAPE @ 2 FT
- SCRAPE @ 2 FT
- BURIED ELECTRIC
- BURIED PIPELINE
- LINEFINDER HIT
- OVERHEAD ELECTRIC LINE
- SURFACE PIPELINE
- ROC BURIED 4 IN POLY LINE
- PAD
- SCRAPE @ 1 FT
- SCRAPE @ 6 IN
- QUANTUM BATTERY
- PREVIOUSLY SCRAPED TO 6 IN
- KNOWN LINER @ 4 FT
- CONCRETE BOX
- STAIN (21,941 sq ft)

RECS
RICE ENVIRONMENTAL

QUANTUM
M STATE CENTRAL TANK BATTERY AD

LEGALS: UL/A SEC 30,
UL/D SEC 29, T22S R37E
LEA COUNTY, NM

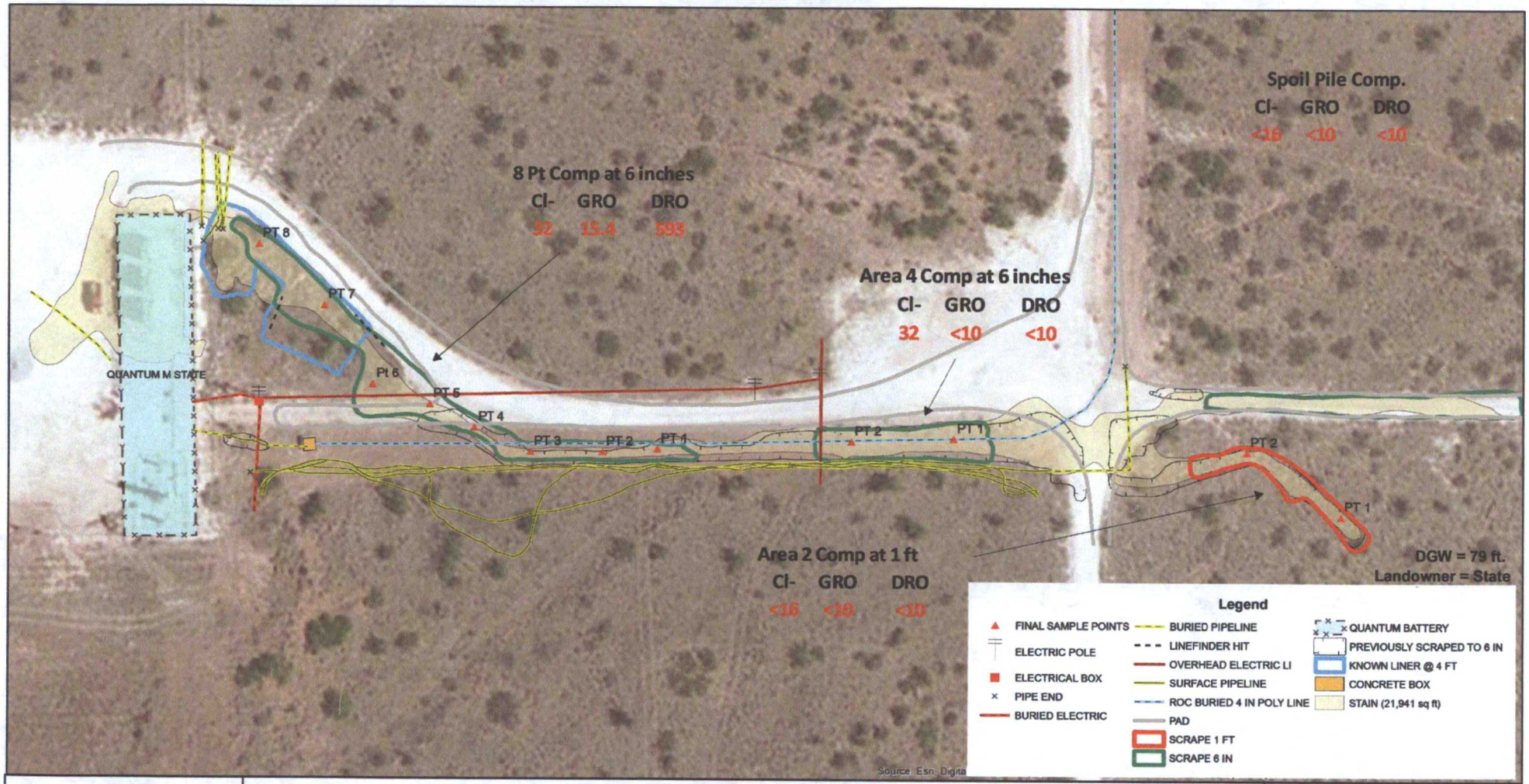
approved for backfill w/ 1' of clay liner @ TB
Environmental Specialist
NMOCD - DIST 1

N W E S

0 50 100 Feet

GPS date: 4/30/14 AR
Drawing date: 5/1/14

Excavation



RECS
RICE ENVIRONMENTAL
CONSULTING & SAFETY

QUANTUM
M STATE CENTRAL TANK BATTERY AD

LEGALS: UL/A SEC 30,
UL/D SEC 29, T22S R37E
LEA COUNTY, NM

HOBBS OCD

APR 25 2014

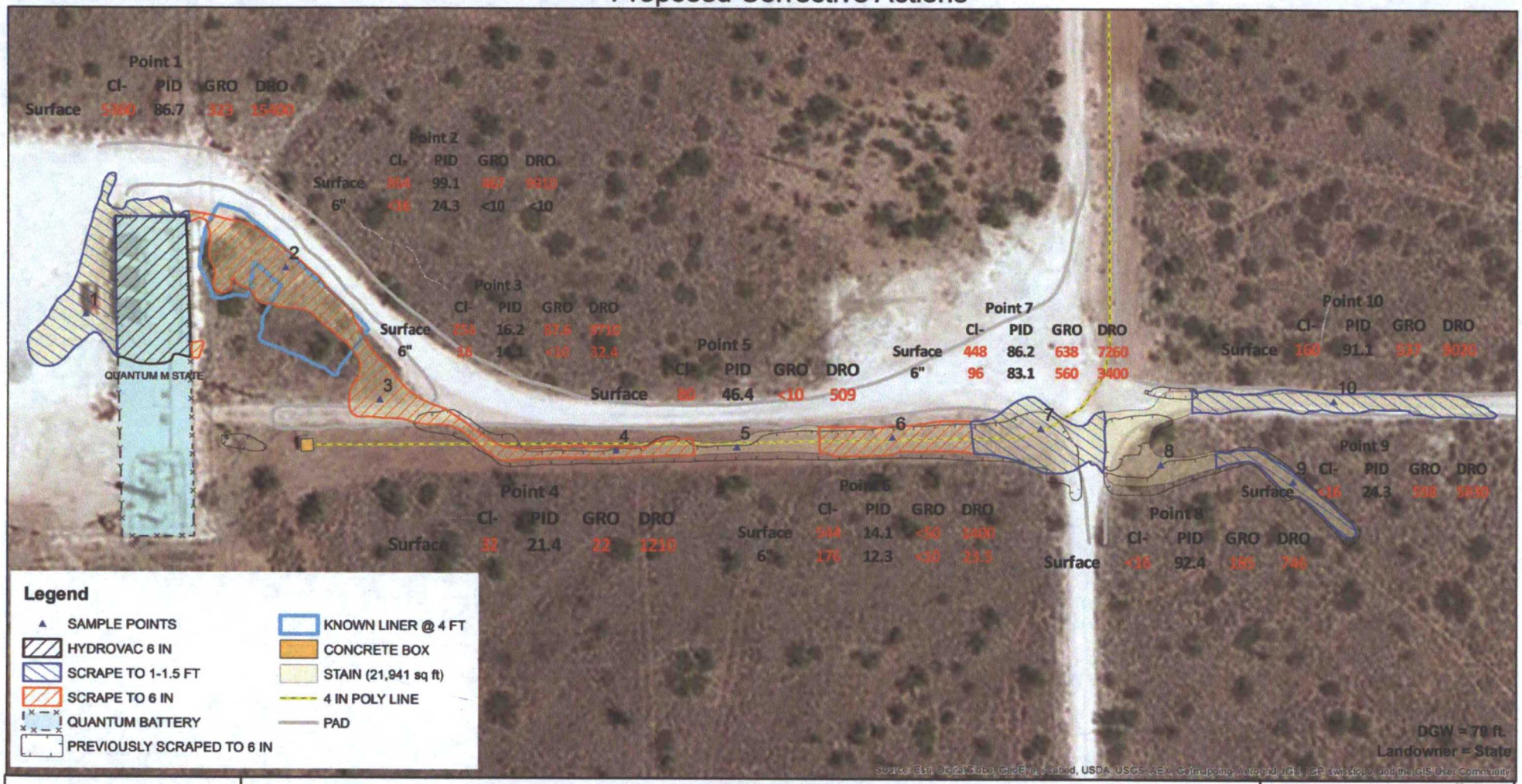
RECEIVED

N
W E
S

0 50 100 Feet

GPS date: 4/22/14 KH
Drawing date: 4/25/14
Drafted by: L. Weinheimer

Proposed Corrective Actions



RECS
RICE ENVIRONMENTAL
CONSULTING & SAFETY

QUANTUM
M STATE CENTRAL TANK BATTERY AD

LEGALS: UL/A SEC 30,
UL/D SEC 29, T22S R37E
LEA COUNTY, NM

Figure 2

N W E S

0 50 100 Feet

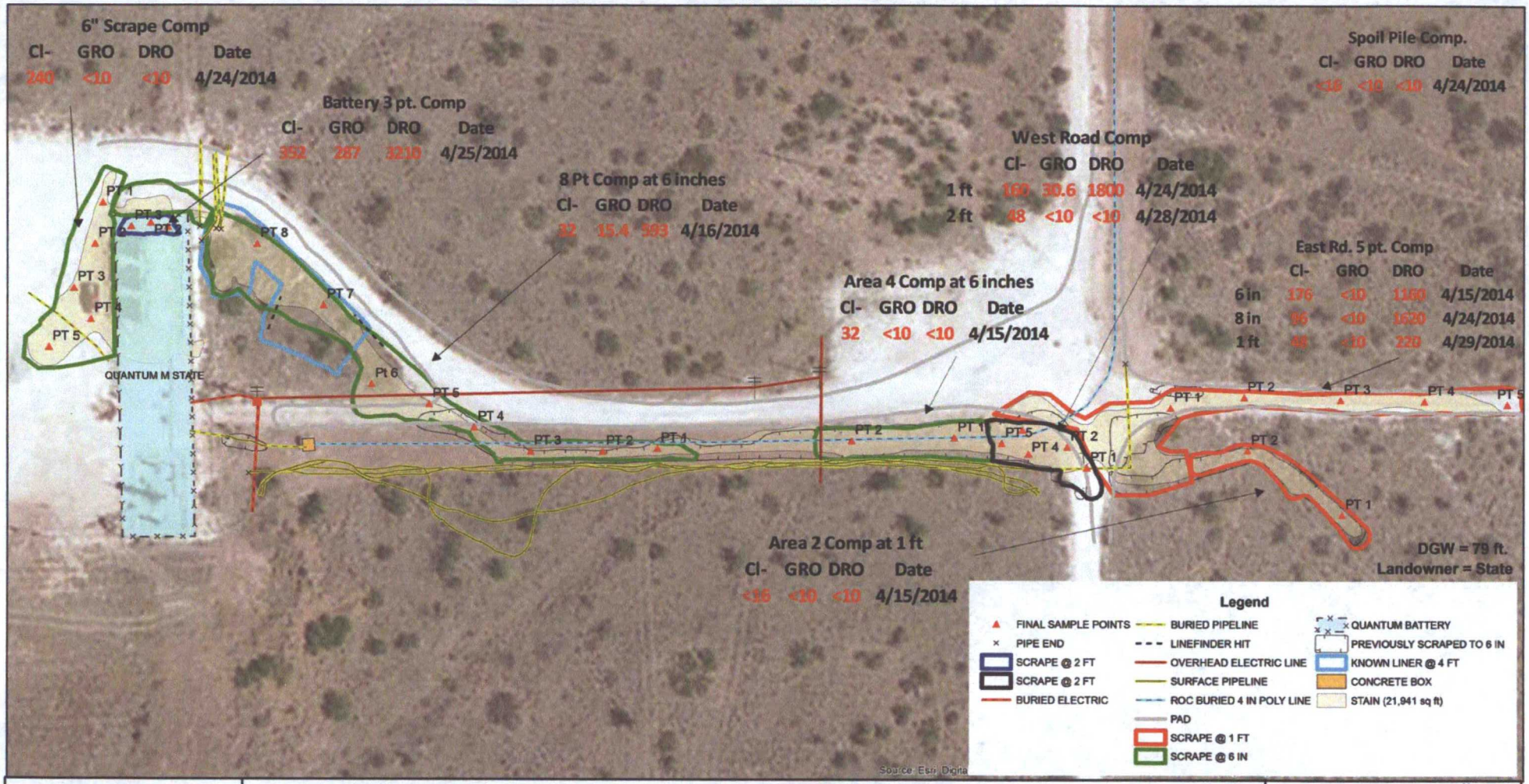
GPS date: 3/21/14 TG & 3/25/14 AG
Drawing date: 4/3/14
Drafted by: L. Weinheimer

HOBBS OCD

MAY 01 2014

RECEIVED

Excavation Data



RECS
RICE ENVIRONMENTAL
CONSULTING & SAFETY

QUANTUM
M STATE CENTRAL TANK BATTERY AD

LEGALS: UL/A SEC 30,
UL/D SEC 29, T22S R37E
LEA COUNTY, NM

Figure 3

0 50 100 Feet

GPS date: 4/30/14 AR
Drawing date: 5/1/14
Drafted by: L. Weinheimer

HOBBS OCD

MAY 01 2014

RECEIVED

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 14, 2014

LAURA FLORES

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: EVGSAU 0546-001

Enclosed are the results of analyses for samples received by the laboratory on 05/13/14 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
LAURA FLORES
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received:	05/13/2014	Sampling Date:	05/13/2014
Reported:	05/14/2014	Sampling Type:	Soil
Project Name:	EVGSAU 0546-001	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	CONOCO		

Sample ID: 5 PT. COMP @ 6" (H401450-01)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**560**	16.0	05/14/2014	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/14/2014	ND	194	97.2	200	2.25	
DRO >C10-C28	<10.0	10.0	05/14/2014	ND	211	105	200	2.97	

Surrogate: 1-Chlorooctane	*100 %*	*65.2-140*
Surrogate: 1-Chlorooctadecane	*106 %*	*63.6-154*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	RECS	**BILL TO**	
Project Manager:	LAURA FLORES/ KYLE NORMAN	P.O. #:	
Address:		Company:	
City:	State: Zip:	Attn:	
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:		State: Zip:	
Project Location:	COP EVGASAU 0546-001	Phone #:	
Sampler Name:	EDWARD CESAREO	Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CHLORIDES	TPH	
H401450																	
1	5 PT. COMPOSITE 6"	C	1			1					1		5-13-14	3:00	/	/	

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 5-13-14	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 4:00		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: weinheimer@rice-ecs.com lflores@riceswd.com nronder@riceswd.com Knorman@rice-ecs.com
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	CHECKED BY: (Initials)

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

#54

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 61959

CONDITIONS

Operator: BREITBURN OPERATING LP 1111 Bagby St. Suite 1600 Houston, TX 77002	OGRID: 370080
	Action Number: 61959
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	1/19/2023