

October 3, 2006

Mr. Randall H. Ferguson, C.P.G.
Colorado Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801
Denver, Colorado 80203



Higgins and Associates, LLC

Re: **Timpe #1 Tank Battery / Remediation #3499**
SWNE Section 6, Twn 1N, Range 56W
API # 05-087-07893
Morgan County, Colorado

Dear Mr. Ferguson;

On behalf of the Western Cleanup Corporation (WCC), and Credo Petroleum Corporation (Credo), Higgins & Associates, LLC. is pleased to submit this report. This letter summarizes the events involved with a pit closure for the above listed site. A copy of the Colorado Oil and Gas Conservation Commission's (COGCC) Form 27 "Site Investigation and Remediation Work Plan" is included in the attachment section. A general site location and a soil sample location/results diagram are presented as Figures 1 and 2 in Attachment A. Photo-documentation is presented in Attachment B showing the area of release and stages of cleanup.

Site Assessment, Excavation, and Confirmation Soil Sampling

On May 26, 2006 WCC mobilized to the site to conduct site closure work as required per COGCC's correspondence dated August 29, 2005. The pit liner and associated debris were completely removed from the pit area. Petroleum-impacted soils were excavated on May 26, 2006, placed in windrows, and landfarmed on site. The pit area was re-contoured and a dryland grass blend with manure was planted in all disturbed areas. Approximately 16 cubic yards of pit lining materials, pipe, and other related debris were transported on May 26, 2006 to the Buffalo Ridge Landfill located approximately 6 miles north of Keenesburg, Colorado. A copy of the non-hazardous waste manifest is shown in Attachment C.

During cleanup activities on May 26, 2006 soil samples were collected to determine impacted from non-impacted areas. Soil samples were analyzed with a photo-ionization detector (PID) calibrated to an isobutylene standard of 100 ppm. Soil samples were placed in zip lock baggies and set in a sunny location for a period of ten to fifteen minutes to allow volatile petroleum vapors to equilibrate. The tip of the PID was then inserted into the baggie and measurements observed with the maximum PID measurement noted.

On August 18, 2006 WCC mobilized to the site and installed two (2) direct-push Geo-Probe soil borings in the former pit area. The borings were installed to 8 feet below ground surface (bgs). Continuous soil samples were collected in 4-foot Teflon sampling tubes. Confirmation soil samples were collected from the 8-foot interval and transported by standard chain-of-custody procedures to Summit Scientific (Summit), in Golden, Colorado, and were received within QA/QC parameters. The soil samples were analyzed to determine pH and concentrations of benzene, toluene, ethylbenzene, and xylenes (BTEX) using EPA Method 8260B, and for Total Extractable Petroleum Hydrocarbons (TEPH) using EPA method 8015 (Full Carbon Chain).

Credo Petroleum Corporation
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On September 22, 2006 WCC mobilized to the site and installed four (4) direct-push Geo-Probe soil borings in the former pit area. The borings were installed to 4 feet below ground surface (bgs). Continuous soil samples were collected in 4-foot Teflon sampling tubes. Confirmation soil samples were collected from the 4-foot interval and transported to Olsen's Agricultural Laboratory, Inc (Olsen) in McCook, Nebraska for sodium absorption ratio (SAR), electrical conductivity (EC), and pH.

Soil Sample Results

Confirmation soil samples collected from the pit area and document that TEPH (full carbon chain), SAR, EC, and pH are within COGCC's guidelines. BTEX was not detected above laboratory detection limits. Confirmation soil sample results are summarized in Attachment D. A copy of the laboratory results are shown in Attachment E.

Conclusions

The following results are based on information collected during site activities:

- The pit liner and associated debris were completely removed from the pit area and were disposed of offsite at the Buffalo Ridge Landfill.
- Petroleum-impacted soils within the pit area were excavated, placed in windrows with nutrients for onsite remediation.
- The pit area was re-contoured and a dryland grass blend with manure was planted in all disturbed areas.
- Confirmation soil samples collected from the former pit area document that:
 - TEPH (Full Carbon Chain), SAR, EC, and pH are within COGCC's guidelines.
 - BTEX was not detected above laboratory detection limits.

Additional Work Required Per COGCC's Correspondence Dated August 29, 2005

To comply with the remediation work plan conditions outlined in COGCC's August 29, 2005 correspondence, it will be necessary for Credo or WCC to collect soil samples from the treated soils area to confirm remedial success.

Should you have any questions or require any additional information, please feel free to contact Ron Greene at WCC's Fort Morgan office at (970) 876-9507, or myself at (303) 562-6854.

Sincerely,
Higgins and Associates, LLC

Nick Fischer
Project/Chemical Engineer

C:
Jeffrey Carlson, Credo Petroleum Corporation
Ron Greene, Western Cleanup Corporation
File

Credo Petroleum Corporation
Timpe #1
Morgan County, Colorado

Enc.

Attachment A
Figures

Attachment B
Photo-Documentation

Attachment C
Manifest

Attachment D
Tables

Attachment E
Laboratory Data

Attachment F
Copy of Form 27

Attachment G
Copy of COGCC's August 29, 2005 Correspondence