

FORM

27

Rev 6/99

## State of Colorado

## Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)894-2100 Fax:(303)894-2109



#8316

RECEIVED

FOR OGCC USE ONLY

MAR 28 2014

COGCC

OGCC Employee:

☐ Spill ☐ Complaint  
☐ Inspection ☐ NOAV

Tracking No:

## SITE INVESTIGATION AND REMEDIATION WORKPLAN

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation activities. Form 27 is intended to be used whenever possible. Additional documentation will be required when large volumes of soil and groundwater have been impacted or involve large facilities with multiple source areas. See Rule 910. Attach as many pages as needed to fully describe the proposed work.

## CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

☐ Spill or Release ☒ Plug & Abandon ☐ Central Facility Closure ☒ Site/Facility Closure ☐ Other (describe): Site & Pit closure

OGCC Operator Number: 20275

Name of Operator: CORAL PRODUCTION CORP.

Address: 1600 STOUT ST., SUITE 1500

City: DENVER State: CO Zip: 80202

Contact Name and Telephone:

JIM WIEGER

No: 303 623-3573 #101

Fax: 303 623-2870

API Number: 05-121-06735-00

County: WASHINGTON

Facility Name:

Facility Number:

Well Name: VENRICK A

Well Number: 1

Location: (QtrQtr, Sec, Twp, Rng, Meridian): NESE SEC 23, T1N, R54W Latitude: 40.036580 Longitude: -103.37999

## TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc.): CRUDE OIL

Site Conditions: Is location within a sensitive area (according to Rule 901e)? ☐ Y ☒ N If yes, attach evaluation.

Adjacent land use (cultivated, irrigated, dry land farming, industrial, residential, etc.): DRY LAND FARMING

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: LOAM, SILTY CLAY LOAM

Potential receptors (water wells within 1/4 mi, surface waters, etc.): NONE IDENTIFIED (NEAREST WELL .75 MI)

Description of Impact (if previously provided, refer to that form or document):

Impacted Media (check):

☒ Soils  
☐ Vegetation  
☐ Groundwater  
☐ Surface Water

Extent of Impact:

IMMEDIATE VICINITY OF WELLHEAD  
& FORMER TANK BATTERY

How Determined:

VISUAL

## REMEDIAL WORKPLAN

Describe initial action taken (if previously provided, refer to that form or document):

NO ACTION TO DATE; WELL SCHEDULED TO BE PLUGGED

Describe how source is to be removed:

SITE BEING CLOSED AND RECLAIMED; NO REMAINING SOURCES;

Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on site, removal of impacted groundwater, insitu bioremediation, burning of oily vegetation, etc.:

ALL VISIBLY STAINED SOIL WILL BE EXCAVATED AND TRANSPORTED TO APPROVED LANDFILL FOR DISPOSAL;



Tracking Number:	
Name of Operator:	
OGCC Operator No:	
Received Date:	
Well Name & No:	
Facility Name & No:	

REMEDIATION WORKPLAN (Cont.)

OGCC Employee:

If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.):

NO EVIDENCE OF IMPACTED GROUNDWATER.

Describe reclamation plan. Discuss existing and new grade recontouring; method and testing of compaction alleviation; and reseeding program, including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing. Use additional sheet for description if required.

ONCE SAMPLING HAS DETERMINED THAT CONCENTRATIONS DO NOT EXCEED TABLE 910-1 STANDARDS, RECLAMATION OF AFFECTED AREAS WILL COMMENCE; LANDOWNER WILL DETERMINE FINAL RECLAMATION AND LIKELY RETURN LAND TO AGRICULTURAL USE.

Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing.

Is further site investigation required? ☒ Y ☐ N If yes, describe:

PROPOSE SAMPLING 100' x 75' x 6' PIT AREA: SIX SAMPLES OF SIDE WALLS & TWO PIT BOTTOM SAMPLES; ONE COMPOSITE SAMPLE OF SETTLING PIT & WELLHEAD AREA SOIL; ONE COMPOSITE SAMPLE OF FORMER TANK BATTERY AREA SOIL (WORKPLAN ATTACHED);

Final disposition of E&P waste (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):

AFFECTED SOIL TO BE HAULED TO WASTE MANAGEMENT BUFFALO RIDGE LANDFILL;

IMPLEMENTATION SCHEDULE

Date Site Investigation Began:	Date Site Investigation Completed:	Date Remediation Plan Submitted: 03/26/2014
Remediation Start Date:	Anticipated Completion Date: 09/01/2014	Actual Completion Date:

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: James Wieger

Signed:

Title: Geologist

Date: 03/26/2014

OGCC Approved:

Title:

NE EPS

Date:

4/7/14

**REMEDATION WORKPLAN FOR FINAL RECLAMATION AND PIT  
CLOSURE**

**VENRICK A #1 LEASE  
NESE SEC 23 T1N R54W  
WASHINGTON COUNTY COLORADO**

**PREPARED BY:  
CORAL PRODUCTION CORPORATION  
1600 STOUT ST.  
SUITE 1500  
DENVER, CO 80202**

**March 24, 2014**

## **INTRODUCTION**

Coral Production Corp. has scheduled plugging and abandonment activities of the well located at the Venrick A #1 lease in Washington County Colorado to commence in the month of April, 2014. Final reclamation of the site is proposed in order to meet compliance with Rule 1004. A Form 27 is being submitted along with this Workplan in order to comply with Rule 905, Closure of Pits, as well as the final site reclamation. There is an existing produced water pit and a settling pit. Figure 1 shows the site layout and planned sampling locations.

## **PROPOSED FIELD ACTIVITIES**

In order to facilitate the closure of the existing pit, soil sampling will be conducted along the pit walls and bottom. Once the soil analysis gives verification that concentrations meet Table 910-1 standards and upon approval from the State, the pit will be backfilled and re-seeded. Excavation and transportation of visibly stained soil at the wellhead location and former tank battery areas will be conducted. Once the impacted soil has been removed, confirmation soil sampling will be conducted in those areas to determine if the remaining soil met Table 910-1 standards.

## **SAMPLING PROCEDURES**

Sampling will be conducted in the pit at each wall and the pit bottom. Grab samples will be taken at each wall approximately three feet above the pit floor and one grab sample will be obtained at the center of the pit floor. Each sample will be taken starting at a depth of one foot to eliminate any wind-blown sand that has accumulated over time. Proposed pit sampling locations are shown in Figure 2. Samples will be obtained using a stainless steel scoop following proper decontamination before and between each sampling, and placed in laboratory supplied glass containers. One composite sample will be obtained from the pit floor by collecting soil from seven locations within the pit floor and thoroughly mixing before placing in sampling containers. One sample will be obtained from an area not affected by oil operations to establish a background value for inorganics.

Composite samples will be obtained from the areas where impacted soil has been excavated from the wellhead and tank battery areas. The samples will be obtained by collecting six samples on a grid pattern across the affected areas and mixed thoroughly, coning and quartering the mixture.

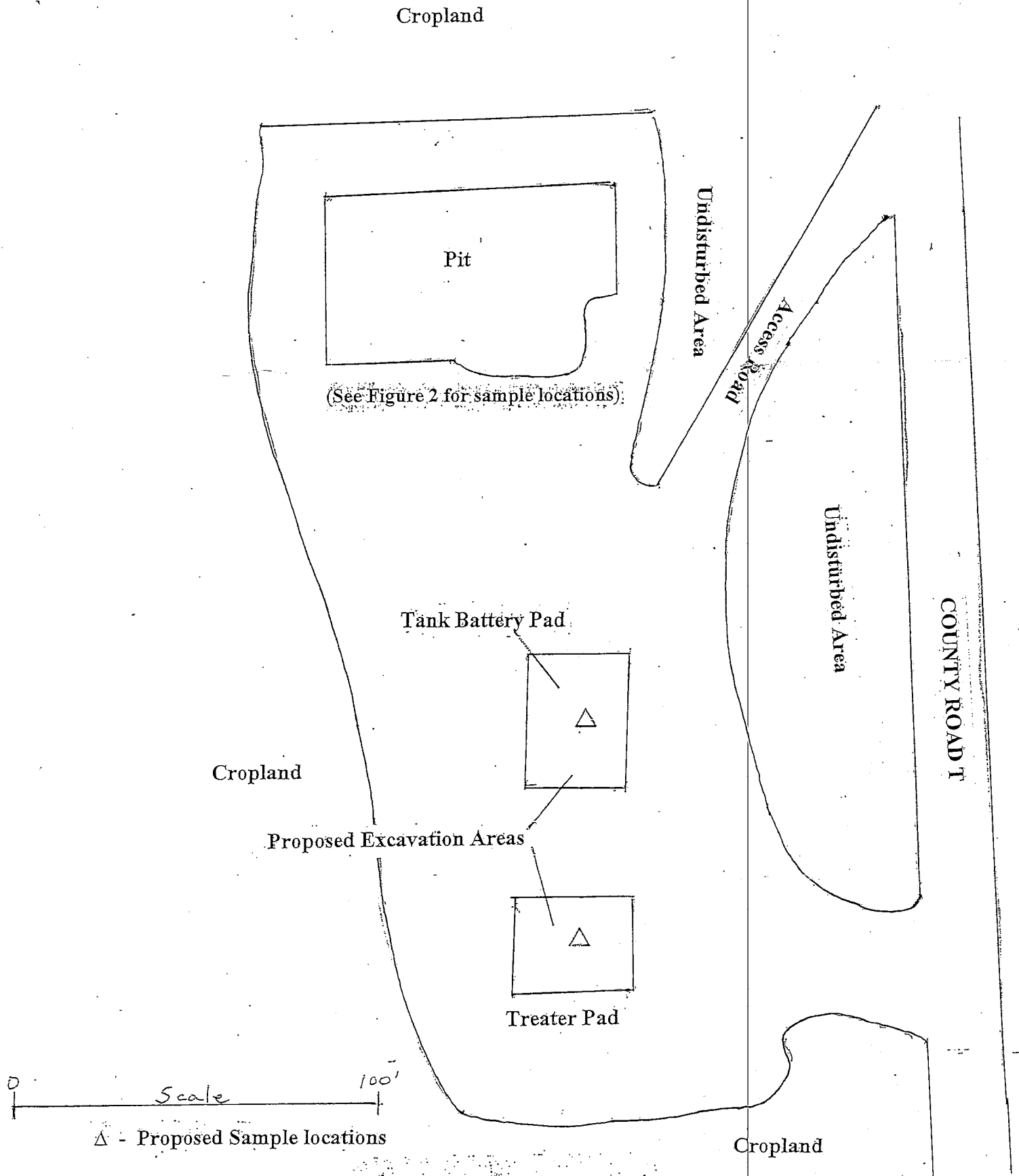
## **LABORATORY METHODOLOGY**

Soil samples will be placed on ice and transported to Accutest Laboratories in Wheat Ridge using chain of custody protocol. The samples will be analyzed for Total Petroleum Hydrocarbons (TPH – EPA method 8015). The pit floor composite will be analyzed for, sodium adsorption ration (SAR – EPA method 6010) and specific conductivity.

## **FINAL RECLAMATION**

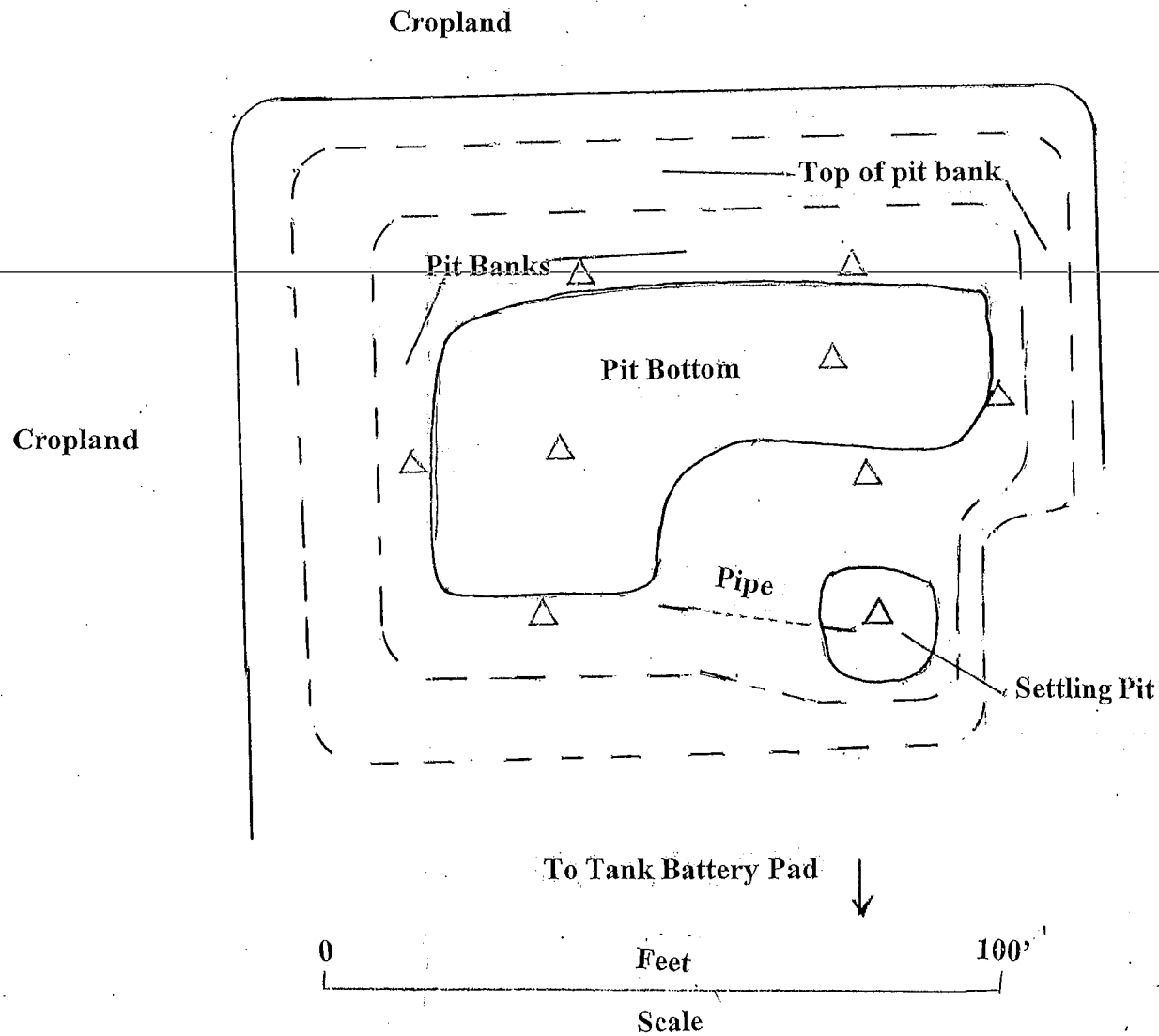
Upon confirmation that the soil concentrations meet Table 910-1 standards and pending approval from the Commission, the pit will be backfilled to original grade. Reclamation activities of all disturbed areas within the wellsite and tank battery areas will commence using a qualified contractor with experience in land reclamation. The reclamation will be done after consultation with the surface owner to allow input on final disposition of the land. The area will likely be returned to agricultural use.

FIGURE 1



VENRICK A-1  
NESE SEC 23 T1N R54W  
WASHINGTON COUNTY, CO

# VENRICK A-1 PIT



Δ - PROPOSED SAMPLE LOCATIONS