

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



01727420

FOR OGCC USE ONLY

REM 9615

Date 04/18/2016

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):

OGCC Employee:

☐ Spill ☐ Complaint
☒ Inspection ☐ NOAV

Tracking No:

FIR # 681700124

OGCC Operator Number: 74165

Name of Operator: Renegade Oil and Gas Company, LLC

Address: 6155 S. Main Street, Suite 210

City: Aurora

State: CO Zip: 80016

Contact Name and Telephone:

Edward Ingve

No: (303) 680-4725

Fax: (303) 680-4907

API Number: 05-005-06589

County: Arapahoe

Facility Name: Bird State #32-1 Drilling Pit

Facility Number: 445045

Well Name: Bird-State

Well Number: 32-1

Location: (QtrQtr, Sec, Twp, Rng, Meridian): NENE Section 32, T5S, R64W; 6th PM Latitude: 39.577958 Longitude: -104.568864

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): Fresh water drilling mud and drill cuttings

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.): Rangeland

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

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Normally dry drainage at 650' southwest

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

Impacted Media (check):

☒ Soils

☒ Vegetation

☐ Groundwater

☐ Surface Water

Extent of Impact:

Pit dug out soils and stockpiled

Vegetation over constructed pit removed

How Determined:

Visual

Visual

REMEDIALATION WORKPLAN

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

Drilling reserve pit constructed. See Form 2A (doc no 2589456) and Form 15 (doc no 401011430)

Describe how source is to be removed:

Any drilling mud and cuttings will be excavated and removed from pit prior to closure. Some pit contents may be allowed to dry and cuttings could be returned to pit when backfilled if additional material is needed to fill pit cavity.

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.:

Pit contents will be disposed of at a licensed disposal facility or other approved method

Submit Page 2 with Page 1

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REMEDIAL WORKPLAN (Cont.)

Tracking Number: 1727420
Name of Operator: Permyne Oil & Gas Co. LLC
OGCC Operator No: 94105
Received Date: 4/8/2016
Well Name & No: Br. State H32-1
Facility Name & No: Br. State H32-1 Drilling Pit

OGCC Employee: Steven Aronson

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

No impacts

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.

Haul off any liquid mud

Excavate all drill cuttings and mud from reserve pit

Allow excavated materials to dry out

Return cuttings to pit if necessary for makeup material

Return original soil stockpiled to fill pit. Compact material.

Return topsoil to top of reclaimed pit. Contour to surrounding topography.

Seed pit site with native grasses. Monitor revegetation for final reclamation approval.

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:

Samples will be taken as required to assure compliance with Table 910-1

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

Waste material will be hauled to Waste Management's DADS facility or other commission approved facility.

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IMPLEMENTATION SCHEDULE

Date Site Investigation Began: 3/2/2016 Date Site Investigation Completed: 4/1/2016 Date Remediation Plan Submitted: 3/30/2016
Remediation Start Date: 10/1/2016 Anticipated Completion Date: 8/31/2016 - S.A. 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: Edward Ingve

Signed: [Signature]

Title: Manager/Owner

Date: March 30, 2016

OGCC Approved: [Signature]

Title: EPS

Date: 4/14/2016

SEE CONDITIONS OF APPROVAL
DOC # 1727423