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Great Western

OIL & GAS COMPANY

E&P WASTE MANAGEMENT PLAN

For all Off-Site Land Application of Water-Based Bentonitic Drilling Fluids and Cuttings

To maintain compliance with rule 907.d.(3), Great Western Oil and Gas Co. (GWO) adheres to the following procedures in regards to the application of water-based bentonitic drilling fluids and associated drill cuttings (waste) to private and/or company owned spread fields.

Written authorization from the surface owner of private spread fields will be obtained. Spread fields are designated areas specifically for GWO generated waste. No other E&P waste will be deposited at the designated area.

Water-based drilling fluids and cuttings may be applied as a soil amendment, or may be used in the construction and maintenance of production facilities.

Waste will be sampled and tested prior to removal from the drilling location, and on a periodic basis at the spread field location after incorporation into the soil. Resulting concentrations will not exceed the limits referenced in Table 910-1 of the COGCC rule 910.

Spread field applications will be no more than three (3) inches average thickness of waste prior to incorporation. Waste shall be incorporated into the soil within ten (10) days of application.

Records will be maintained which identify the source (well name and location), date of transport, transporter, type and volume of waste, disposition and location where the land application of waste occurs.

Spread field locations will be updated and amended as new agreements are entered into.

Current spread field location is:

M&M Excavation Co.
Weld County Airport
Weld County, Colorado

County Road 62 & 47
West ¼ North 400 yards

Former location:

Western Equipment & Truck, Inc.
E/2SW/4, Sec. 10, T4N, R66W
Weld County, Colorado

North of County Road 46 and approximately
½ mile west of 47th Ave.

1700 Broadway
Suite 650
Denver, CO 80290
Tel: 303.398.0302



503 Main Street
Windsor, CO 80550
Tel: 970.686.8831

Great Western

OIL & GAS COMPANY

E&P WASTE MANAGEMENT PLAN For all waste streams

To maintain compliance with rule 907.a, Great Western Oil & Gas Company (GWOG) adheres to the rule in regards to identifying all waste streams and outlines the manner in which they are handled.

Water-based Bentonitic Drilling Fluids and Drill Cuttings

Water-based bentonitic drilling fluids and drill cuttings will be handled as described in the GWOG E&P Waste Management Plan for off-site land application of water-based bentonitic drilling fluids and cuttings. This plan is submitted as a separate item to comply with rule 907.d.(3). Cuttings will be hauled and disposed of at the CO&GCC approved spread field facility ID# 425490.

Frac Flowback Water

Water generated during flowback operations is stored in flowback tanks and hauled to High Sierra Water Services, LLC's (High Sierra) approved disposal facility.

Produced Water

Water produced by the well and stored in produced water tanks is hauled to High Sierra's approved disposal facility.

Tank Bottoms

Oily waste in the form of tank bottoms is stored in production tanks and treated on-site if possible. Waste will be hauled to High Sierra's approved disposal facility if untreatable.

Solid Waste Contaminated with Hydrocarbons

In the case of hydrocarbons contaminating solids, the resulting waste will be handled in the following manner. Hydrocarbons spilled on the ground will be treated, and if it is untreatable the waste will be hauled to Waste Management with manifest.

Hydrocarbon contaminated solids resulting from flowback operations are contained in flowback tanks. Resulting waste from flowback operations is properly handled by the owners of the flowback tanks.

M&M Excavation Co.
Surface Owner Authorization

I, Greeley Weld County Airport declare that I am the legal owner or am legally authorized to make decisions and can enter into agreements regarding the land application or lining material of water-based Bentonitic drilling fluids (definitions attached).

Land dumping directions: CR 62 & 47 West 1/4
North 400 yards

I agree to the following:

1. I authorize M&M Excavation Co to dump and/or spread drilling fluids on land as identified below.
2. Where applicable, I agree to accomplish cultivation of the drilling fluids into the site soils as soon as possible.
3. I release the following companies from all further responsibility for clean-up or future action related to these drilling fluids:

M&M Excavation Co. and Great Western Oil & Gas
Printed Name of Oil Company company

Mandy Longstreth 12/9/11
Signature Land Owner Date

Mandy Longstreth - Business Manager Greeley-Weld County Airport
Printed Name of Owner

P.O. Box 727 | 1000 Airport Road Greeley, CO 80632
Address

970-336-3003 84-0930586
Telephone Number SS#/Tax ID for booking

Tax Exempt 98-03485

Roland Schillsa 12/9/11
Signature M&M Excavation Co. representative Date

Roland Schillsa SUP.
Printed Name and Title

Jack Bruner 12/13/11
Signature Company representative Date

JACK BRUNER SUP. 12/13/11
Printed Name of Company Representative and Title Date

POLITICAL SUBDIVISION EXEMPTION CERTIFICATE

(for use by States, Territories, or Political Subdivision thereof, or the District of Columbia)

The undersigned hereby certifies that he is Airport Manager
Title of Officer

of: Greeley-Weld County Airport Authority
State, Territory, or Political Subdivision, or District of Columbia

and that he is authorized to execute this certificate, and that the articles specified in the accompanying order or on the reverse side hereof, are purchased from

for the exclusive use of Greeley-Weld County Airport Authority
State, Territory, or Political Subdivision, or District of Columbia

It is understood that the exemption from tax in the case of sales or articles under this exemption certificate to the State, Territory, or Political Subdivision, or District of Columbia, is limited to the sale of the article purchased for their exclusive use, and it is agreed that if articles purchased tax-free under exemption certificates are used otherwise or are sold to employees or others, such fact must be reported to the manufacturer of the articles covered by this certificate. It is understood that the fraudulent use of this certificate to secure exemption will subject the undersigned and all guilty parties to a fine of not more than \$10,000.00 or to imprisonment for not more than five years, or both, together with costs of prosecution.

COLORADO SALES TAX CERTIFICATE OF EXEMPTION NUMBER: **98-03485**

FEDERAL EMPLOYER IDENTIFICATION NUMBER: **84-0930584**

Date: April 20th, 2007

By: Michael A. Reisman
Michael A. Reisman, A.A.E.

DR 0100 (02/08/07)
COLORADO DEPARTMENT OF REVENUE
DENVER CO 80261-0013

CERTIFICATE OF EXEMPTION FOR COLORADO STATE SALES/USE TAX ONLY

THIS LICENSE IS
NOT TRANSFERABLE

USE ACCOUNT NUMBER for all references	LIABILITY INFORMATION	ISSUE DATE
98-03485-0000	03 057 N 120180	MAR 30 2007

600 AIRPORT RD

GREELEY CO

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GREELEY WELD CNTY AIRPORT AUTHORITY
PO BOX 727
GREELEY CO 80632-0727

Rosy Weber
Executive Director
Department of Revenue