

**Work Plan
Fasken Oil and Ranch, Ltd.
Denton SWD
Release January 9, 2007
Unit D, Section 13, Township 15S, Range 37E
Lea County, New Mexico**

January 19, 2007



Prepared for:

**Fasken Oil and Ranch, Ltd.
303 West Wall Suite 1800
Midland, Texas 79701-5116**

By:

***Safety & Environmental Solutions, Inc.
703 E. Clinton Suite 102
Hobbs, New Mexico 88240
(505) 397-0510***

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I. Company Contacts

Jimmy Davis	Fasken	432-818-0267	jimmyd@forl.com
Jimmy Carlile	Fasken	432-818-0210	jimmyc@forl.com
Lonnie Arnold	Fasken	432-687-1777	lonniea@forl.com
Bob Allen	SESI	505-397-0510	ballen@sesi-nm.com

II. Purpose

The purpose of this work plan is to propose a plan for the cleanup of the area identified affected by a produced water release at the Denton SWD Facility. The site is located in Unit D, Section 13, Township; 15S, Range 37E. The land is owned by Mr. Darr Angell.

III. Background

On January 9, 2007 the injection pump shut down and both high level alarms at the facility failed causing a release of produced fluids from the stock tank. Approximately 5800 barrels were released, of which 5275 were recovered. The release covered affected approximately 88,700 sq.ft. July 15, 2005 the Denton SWD facility release approximately 5,000 barrels of produced water due to an equipment malfunction.

According to Permian Production Chemical, an analysis of the produced water handled by this facility indicates a chloride concentration of 53,053 ppm.

IV. Groundwater

There are three existing monitor wells at the facility water level measurements were taken from these wells on September 1, 2006. The average depth of water in these wells was 56.85'.

V. Action Plan

Sufficient soil borings will be installed in the affected are to document the vertical extent of contamination. The affected area will then be excavated to the hard caliche layer. The excavated soil will be blended with clean soil adjacent to the affected area until representative samples indicate the chloride concentrations to be no greater than 1000 ppm. The blended soil will then be used to backfill the excavated. After backfill the area will be returned to natural grade and reseeded.

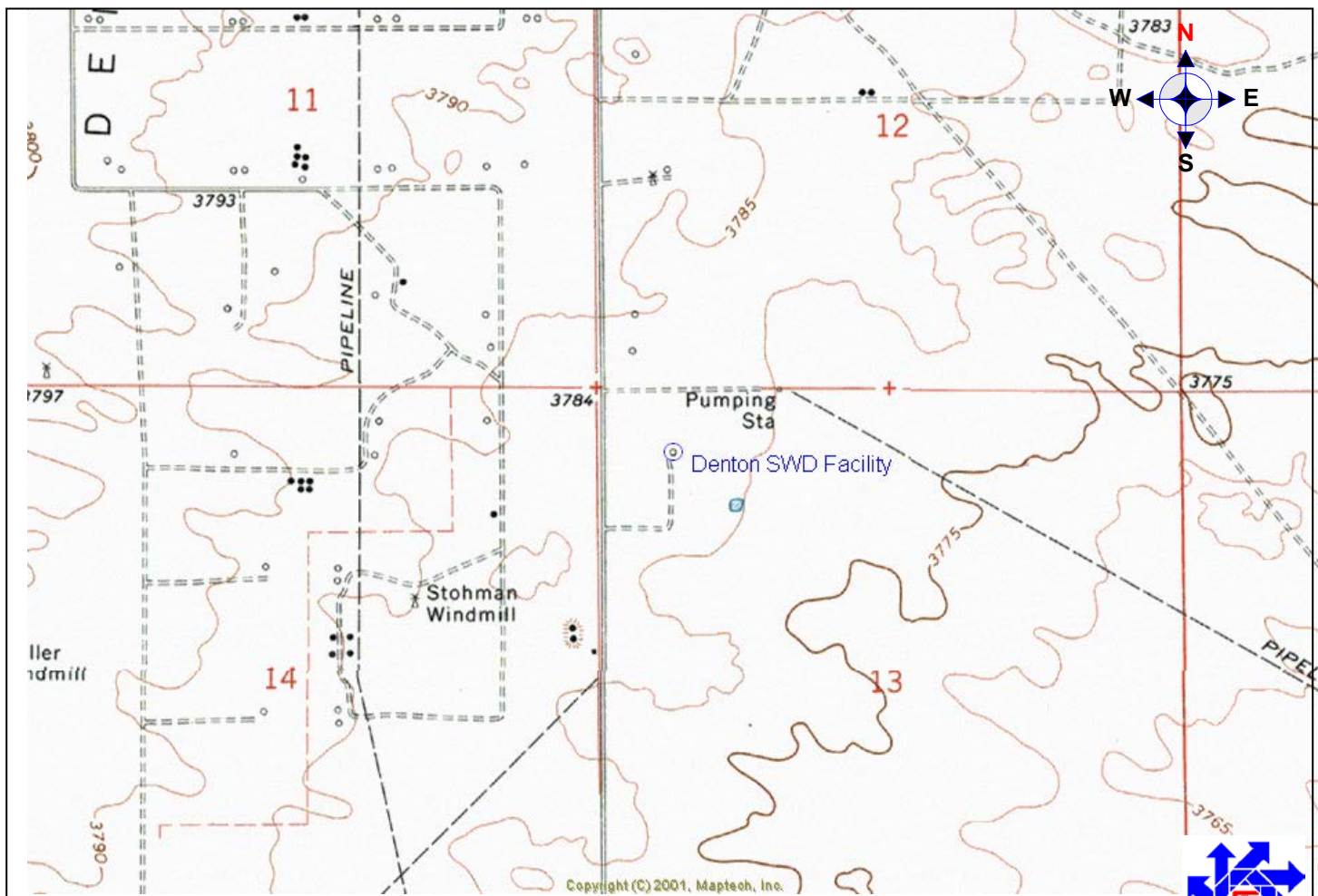
The above action plan does not include installation of a liner due to the fact that Fasken Oil & Ranch Ltd. is upgrading the containment system at the facility. An overflow pit measuring 180' X 90' will be installed at the facility and all berms will be raised to a height of 5'. These steps will insure any future releases will not breach the containment area.

VI. Figures & Appendices

Figure 1. - Vicinity Map
Figure 2. - Site Plan
Appendix A - C-141
Appendix B – Site Photos

Figure 1

Vicinity Map



Fasken Oil & Ranch

Denton SWD Facility
Unit D, Sec 13, T15S,
R37E

Safety & Environmental
Solutions, Inc.

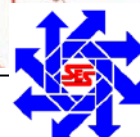
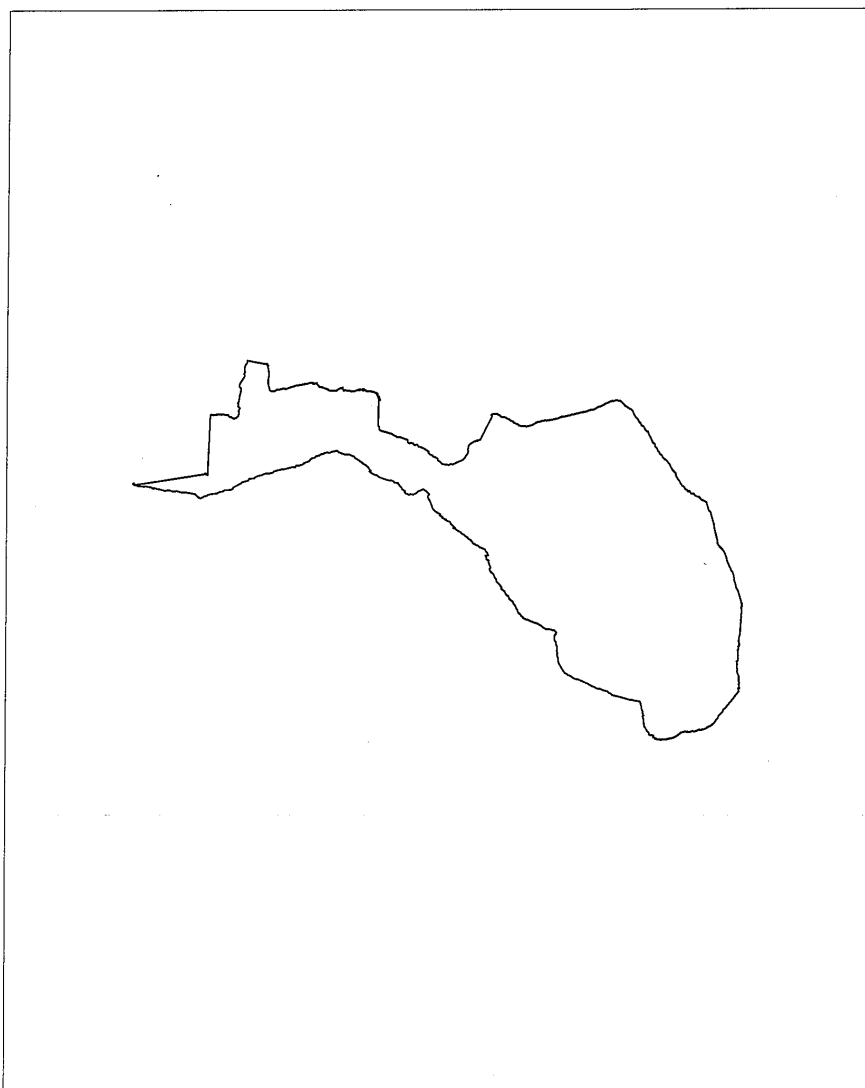


Figure 2 Site Plan



Denton SWD Release 1-9-07

Lat/Long
WGS 1984



Scale 1:2,000
0 250.0
Feet

Denton SWD Release 1-9-07
1/19/2007

GPS Pathfinder® Office
Trimble

Appendix A

C-141

01/19/07 FRI 11:06 FAX 4326871570

FASKEN ENG

002

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Bruzos 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 October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Fasken Oil and Ranch, Ltd.	Contact	Jimmy D. Carlile
Address	303 W. Wall, Suite 1800 Midland, TX	Telephone No.	432 687-1777
Facility Name	Denton SWD	Facility Type	Salt Water Disposal
Surface Owner	Darr Angell	Mineral Owner	Eaa
		Lease No.	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	13	15S	37E					Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Crude oil/salt water	Volume of Release	5800	Volume Recovered	5275
Source of Release	Stock tank	Date and Hour of Occurrence	Date and Hour of Discovery		
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	2 am 1/9/07 / 1 am 1/9/07 Larry Johnson		
By Whom?	Jimmy D. Carlile	Date and Hour	1/9/07 9 am MST		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

NA

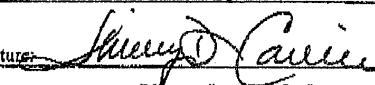
Describe Cause of Problem and Remedial Action Taken.*

Both high level alarms failed as the injection pump went down. Alarms reset, and new alarm system is being designed and installed.

Describe Area Affected and Cleanup Action Taken.*

600' by 70' estimated area outside of dike, meeting scheduled for 1/12/07 with environmental company (on site) to determine plan of remediation and cleanup.

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: 	OIL CONSERVATION DIVISION	
Printed Name: Jimmy D. Carlile	Approved by District Supervisor:	
Title: Regulatory Affairs Coord.	Approval Date:	Expiration Date:
E-mail Address: jimmyc@forl.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1/11/07	Phone: 432 687-1777	

* Attach Additional Sheets If Necessary

Appendix B

Site Photos















