

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos 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 Devon Energy Production Co-. L.P.	Contact Vivian Rodriguez
Address P.O. Box 250, Artesia, NM 88211-0250	Telephone No. 575-748-0173
Facility Name Morton Solid State #1	Facility Type Oil Well P & A'd

Surface Owner Nancy Etcheverry	Mineral Owner	Lease No. 30-025-26350
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**LOCATION OF RELEASE**

Unit Letter E	Section 4	Township 15S	Range 34E	Feet from the 2160'	North/South Line North	Feet from the 990	East/West Line West	County Lea County
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Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

**NATURE OF RELEASE**

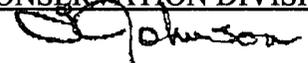
Type of Release Don't Know	Volume of Release DK	Volume Recovered DK
Source of Release DK	Date and Hour of Occurrence DK	Date and Hour of Discovery DK
Was Immediate Notice Given? Don't know <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
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.\*

Describe Cause of Problem and Remedial Action Taken.\*  
While cleaning P & A'd location to land owners specifications we found an area that need to be delineated due to hydrocarbon staining. As per Larry Johnson the ground water is at 70'.

Describe Area Affected and Cleanup Action Taken.\*  
An area approximately 30' X 60' has hydrocarbon staining. The clean up has been given to Whole Earth for investigation protocol.

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:	<u>OIL CONSERVATION DIVISION</u> 	
Printed Name: Vivian Rodriguez	Approved by District Supervisor <b>ENVIRONMENTAL ENGINEER</b>	
Title: Tech II	Approval Date: 10.6.08	Expiration Date: _____
E-mail Address: Vivian.rodriguez@dvn.com	Conditions of Approval: _____	Attached <input type="checkbox"/> IR#1932
Date: 8/11/08 Phone: 575-748-0173		

\* Attach Additional Sheets If Necessary

TABLE 2  
**Summary of Excavation Soil Sample Analytical Results**  
**DEVON MORTON SOLID STATE #1 (1PR 1931)**

Soil Sample ID.	Depth (Feet)	Sample Date	Soil Status	PID Reading (ppm)	Field Chloride Analysis (ppm)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	Carbon Ranges (C6-C12) (mg/Kg)	Carbon Ranges (C12-C28) (mg/Kg)	Carbon Ranges (C28-C35) (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)	Sulfate
5pt. Bottom comp.	9'bgs	8/14/2008	excavated	4.9	1528	<0.010	<0.025	<0.010	<0.030	N/A	<0.010	<0.010	N/A	<0.010	1720	N/A
3 wall comp.	32'W X 86'L X 9'D	8/14/2008	excavated	2.7	2516	<0.010	<0.025	<0.010	<0.030	N/A	<0.010	<0.010	N/A	91.6	2920	N/A
b1	@14'bgs	8/15/2008	bore split spoon	4.7	115	<0.010	<0.025	0.014	0.104	N/A	N/A	N/A	N/A	N/A	80	N/A
b1	@19' bgs	8/15/2008	bore split spoon	7.6	73	<0.010	<0.025	<0.010	<0.030	N/A	N/A	N/A	N/A	N/A	16	N/A
b2	@ 5'bgs	8/15/2008	bore split spoon	3.1	234	<0.010	<0.025	<0.010	<0.030	N/A	N/A	N/A	N/A	N/A	272	N/A
b2	@ 10' bgs	8/15/2008	bore split spoon	12.6	73	<0.010	<0.025	<0.010	<0.030	N/A	N/A	N/A	N/A	N/A	48	N/A
b2	@ 15'bgs	8/15/2008	bore split spoon	7.9	43	<0.010	<0.025	<0.010	<0.030	N/A	N/A	N/A	N/A	N/A	<16	N/A
b2	@ 20'bgs	8/15/2008	bore split spoon	7.4	89	<0.025	<0.025	<0.010	<0.030	N/A	N/A	N/A	N/A	N/A	<16	N/A
b3	@ 5'bgs	8/15/2008	bore split spoon	1.3	2949	<0.010	<0.025	<0.010	<0.030	N/A	N/A	N/A	N/A	N/A	3600	N/A
b3	@ 10' bgs	8/15/2008	bore split spoon	4.9	175	<0.010	<0.025	<0.010	<0.030	N/A	N/A	N/A	N/A	N/A	176	N/A
b3	@ 15'bgs	8/15/2008	bore split spoon	4.9	76	<0.010	<0.025	<0.010	<0.030	N/A	N/A	N/A	N/A	N/A	48	N/A
b3	@ 20'bgs	8/15/2008	bore split spoon	10.3	97	<0.010	<0.025	<0.010	<0.030	N/A	N/A	N/A	N/A	N/A	<16	N/A
b4	@ 5'bgs	8/15/2008	bore split spoon	2.7	106	<0.010	<0.025	<0.010	<0.030	N/A	N/A	N/A	N/A	N/A	<16	N/A
b4	@ 10' bgs	8/15/2008	bore split spoon	5.3	70	<0.010	<0.025	0.024	0.171	N/A	N/A	N/A	N/A	N/A	16	N/A
b4	@ 15'bgs	8/15/2008	bore split spoon	8.7	50	<0.010	<0.025	<0.010	<0.030	N/A	N/A	N/A	N/A	N/A	<16	N/A
b4	@ 20'bgs	8/15/2008	bore split spoon	11.4	48	<0.010	<0.025	<0.010	<0.030	N/A	N/A	N/A	N/A	N/A	16	N/A
blended backfill 12 pt comp.		8/19/2008	excavated blended	N/A	882	<0.050	<0.050	<0.050	<0.150	N/A	<0.010	55.2	N/A	<0.010	1070	N/A



**Whole Earth Environmental, Inc.**

2103 Arbor Cove  
Katy, Tx. 77494  
281.394.2050  
whearth@msn.com

August 25, 2008

NMOCD  
1625 N0. French Dr.  
Hobbs, NM 88241

Reference Case No.: 1RP-<sup>1932</sup>~~1931~~

Attn: Larry Johnson

Dear Mr. Johnson:

Enclosed, please find the remediation report for the above referenced site.

If you've any questions or comments please do not hesitate to contact me.

Warmest personal regards,

Mike Griffin  
President  
Whole Earth Environmental, Inc.



**Executive Summary  
Devon Energy Corporation  
Morton Solid State # 1  
Spill Remediation Report**

**Location**

The site is located approximately eight miles west of the City of Lovington, Lea County, New Mexico on fee lands. The primary land use is grazing of cattle however extensive oil and gas operations are prevalent in the area. The area is semi-arid with a net precipitation / evaporation amount of  $-73''$  per year. The legal description of the site is **Unit E, Sec. 4, T-15S, R-34E**.

**Site History**

On October 11, 2008 while conducting surface reclamation of a plugged and abandoned site Devon Energy Corporation discovered a small stain area at the edge of the pad. Further investigation revealed that the total stain area was approximately 20' X 60' situated beneath the old tank storage area.

**Site Investigation**

Whole Earth Environmental initially excavated a series of trenches using a backhoe. The soil was field tested for the presence of chlorides and VOC's (volatile organic compounds) through field titration and photo-ionization instruments. As the elevated VOC's continued below the practical excavation depth of the backhoe, heavier equipment was brought in to continue the investigation. Eventually the entire site was excavated to a depth of nine feet below ground surface and cored to a total depth of twenty feet below ground surface with a split spoon auger rig. Split spoon samples were collected in accordance with WEQP-77 and analyzed for the presence and concentrations of chlorides, total TPH, DRO-GRO TPH and BTEX by Cardinal Laboratories in Hobbs, New Mexico.

The depth to groundwater was measured at an adjacent windmill and determined to be 66.7' below ground surface. Field titration of the water obtained from the windmill revealed the chloride concentrations to be 50 mg/L.

**Remediation**

All hydrocarbon contaminated soils were excavated and transported to the Gandy-Marley commercial disposal facility near Caprock, New Mexico for commercial disposal. New soils obtained from the landowner were brought in to replace the excavated materials.

**Restoration**

The entire pad area will be seeded in accordance with landowner instructions.



## **Exhibit Index**

### **Morton Solid State # 1**

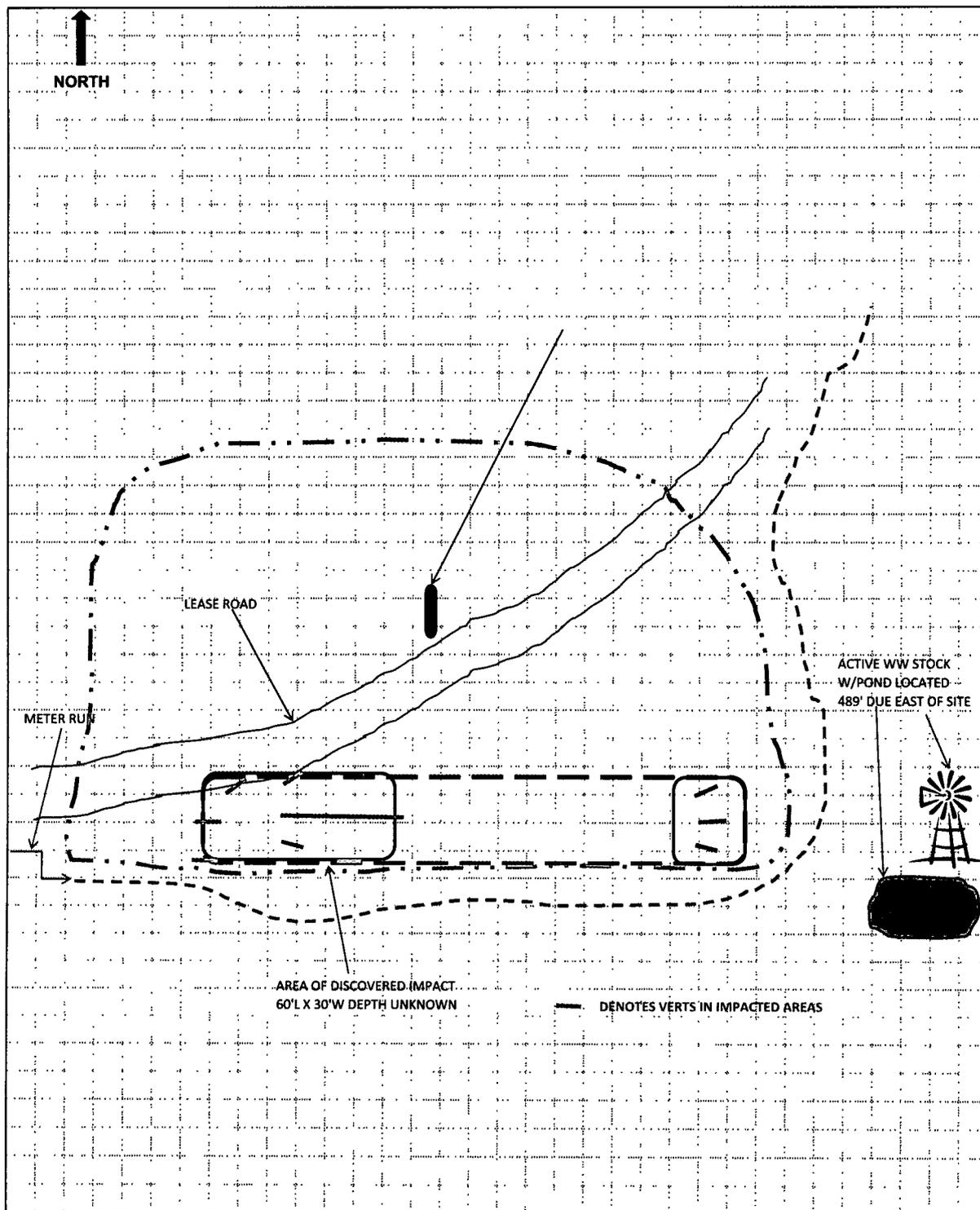
1. Plat Map
2. Satellite View of Location – Zoom out
3. Satellite View of Location – Zoom in
4. Initial Excavation
5. Initial Excavation
6. Final Excavation
7. Detail of Coring Rig
8. Boring Logs
9. Final Contouring
10. NMOCD C-141

# INITIAL SITE ASSESMENT

SITE: DEVON MORTON SOLID STATE #1 LEGALS: UL/E SEC 4 - T15S - R37E

GPS LAT & LON NAD27 (DECIMAL): N33.04789 / W103.52089

DEPTH TO GW: 67' NOTE: ACTIVE WATER WELL FOR STOCK 489' DUE EAST OF LOCATION.



SIGNATURE:

DATE: 7-29-08