4327

1RP-~~2611~~

NMSWD JENKINS STA. 13 S. LEAK

PROTOCOL 153

Approved
Brad Lehing
Env. Specialist
NMOCD-Hobbs
11/23/12

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: New Mexico Saltwater Disposal Co.	Contact: Will Palmer
Address: P.O. Box 1719 Lovington, NM 88260	Telephone No.: 575-396-5391
Facility Name: Jenkins Sta. 13 transfer line	Facility Type: oilfield water disposal system

Surface Owner: Shannon Kizer	Mineral Owner	Lease No.: SW0083

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	25	9S	34E	1,069'	SOUTH	1,456'	EAST	LEA

Latitude: 33.500907 **Longitude:-103.413532**

NATURE OF RELEASE

Type of Release: saltwater	Volume of Release: 30bbls	Volume Recovered: 0bbls
Source of Release: breakage in transfer line	Date and Hour of Occurrence: 4-10-11 8:00 am	Date and Hour of Discovery: 4-10-11 10:30am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? OCD – Hobbs – Maxey Brown (left message)	
By Whom? Mr. Will Palmer	Date and Hour: 4-11-11 9:00 am	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

AMENDED

GW@100'

Describe Cause of Problem and Remedial Action Taken.*
8"line cracked and burst during pumping operations. Replaced affected line. Lowered line pumping pressure.

Describe Area Affected and Cleanup Action Taken.*
The area affected included the immediate area around the leak totaling 670ft2. Affected soil removed and disposed of in certified landfill. Clean material hauled in to secure line and prevent movement. WEE Inc. contracted to delineate site.

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: William V. Palmer

Printed Name: William V. Palmer

Title: Superintendent

E-mail Address: wpalmer@read-stevens.com

Date: ~~4-11~~ 05-19-11 Phone: (575) 396-5391

OIL CONSERVATION DIVISION

ENV ENGINEER:
Approved by ~~District Supervisor~~: Geoffrey Leking

Approval Date: 05/20/11 Expiration Date: 07/20/11

Conditions of Approval: DELINEATE TO CLEAN +1. SUBMIT FINAL C-141 BY 07/20/11.

Attached ☐ 1RP-05-11-2011

* Attach Additional Sheets If Necessary

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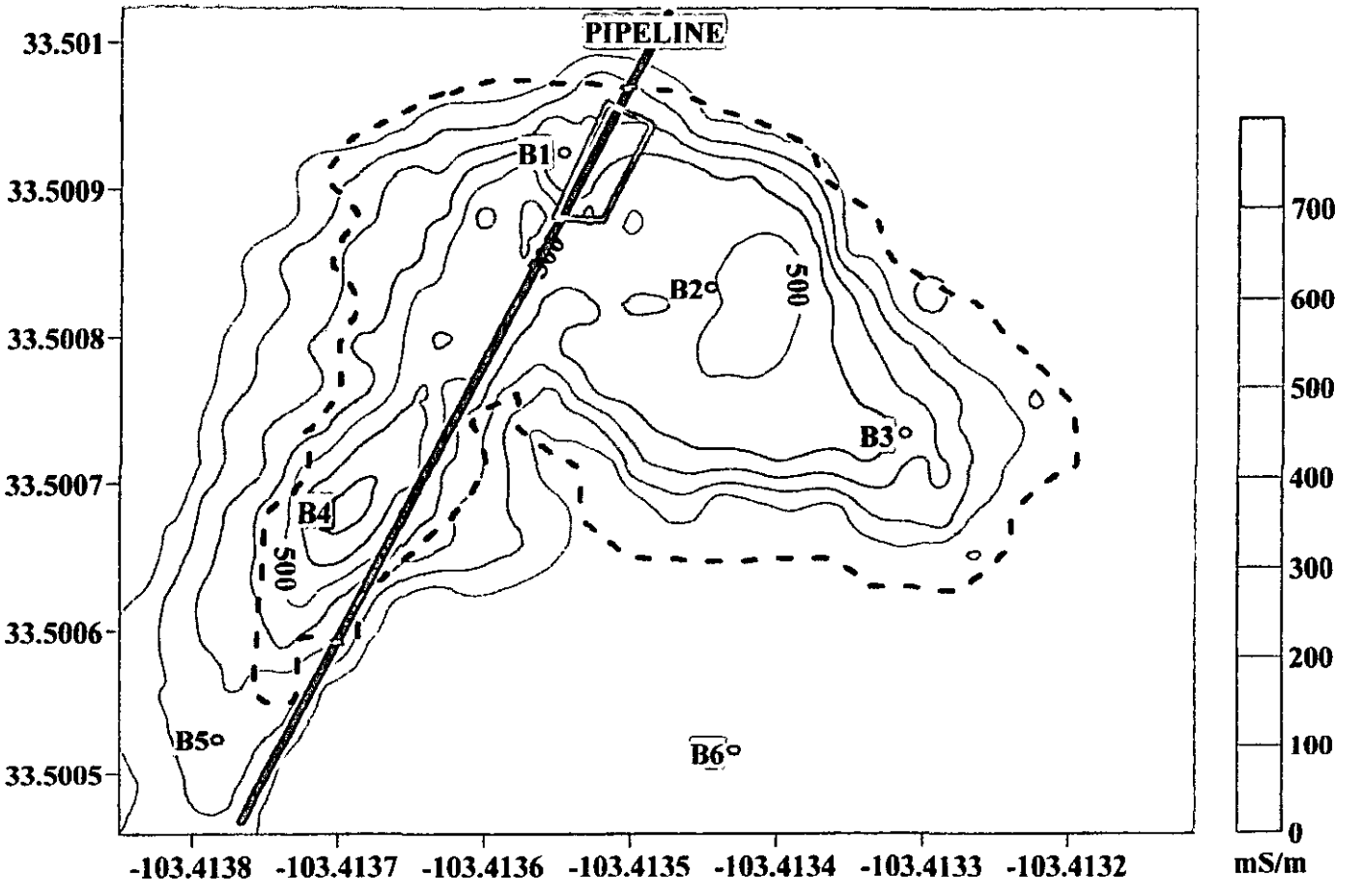
NMSWD JENKINS STA. #13 S. LEAK
SW/SE 1/4 UL/O SEC 25 - T9S - R34E
1451' FEL & 1067' FSL
EM38 SURVEY AREA 218' E&W X 200' N&S= 1.0 ACRE
GPS: WGS84 (DECIMAL)
N33.500906950 / W103.413513200



WEE INC. CL- FIELD TITRATION RESULTS

LOCATION: NMSWD Jenkins Station #13 S. Leak Bore

Sample pt.	DATE	DEPTH	SOIL	WATER	CF	AGNO3	CL-	PID	SOIL LITHOLOGY	LAB RESULTS CL-	B	T	E	X	GRO	DRO
LEAK SOURCE	**5/16/11**	**WATER**								116000						
B1 SOURCE	**6/1/11**	0>1'	9.2	33.0	3.59	3.27	11726	1.6	2.5YR- 3/2 Dusky Red, Soft, Dry, Loamy, Topsoil							
		5'	10.9	33.5	3.07	2.25	6913	1.7	5YR-6/3 Light Brown, Soft, Sandy Caliche, Semi-Damp							
		10'	11.2	32.2	2.88	2.34	6725	2.6	7.5YR-3/2 Pinkish White, Semi-hard, rocky, sandy, caliche, Dry							
	9/13/11	15'	10.1	30.3	3.00	0.69	2069	0.8	5YR-8/2 Pinkish Sandy Sand Damp	4160					<10.0	<10.0
		20'	10	31	3.10	0.89	2758	0.8	5YR-8/2 Pinkish Sandy Sand Damp							
		25'	10.1	30.4	3.01	0.18	542	0.8	5YR-8/3 Pink Sandy Sand Damp							
		30'	10	31.8	3.18	0.05	159	0.4	5YR-5/3 Reddish Brown Sand Moist							
		35'	10	34.4	3.44	0.04	138	0.4	5YR-5/3 Reddish Brown Sand Moist	80					<10.0	<10.0
B2	**6/2/11**	0>1'	11.6	32.9	2.84	4.58	25972	1.9	2.5YR- 3/2 Dusky Red, Soft, Slightly Damp, Loamy, Topsoil							
		5'	14.0	31.5	2.25	1.51	6793	2.4	5YR-6/3 Light Brown, Soft, Sandy Caliche, Semi-Rocky, Slightly Damp							
		10'	10.5	32.2	3.07	1.9	5825	2.4	7.5YR-3/2 Pinkish White, Semi-hard, rocky, sandy, caliche, Dry							
		15'	12.8	30.2	2.36	1.9	4481	2.1	7.5YR-3/2 Pinkish White, Semi-hard, rocky, sandy, caliche, Dry							
	9/13/11	20'	10.2	30.9	3.03	0.06	182	0.8	7.5YR-4/2 White Sandy Sand Damp							
		25'	10.1	28.6	2.83	0.05	142	0.9	7.5YR-8/3 Pink Sandy Sand Damp	112					<10.0	<10.0
		30'	10.3	32.6	3.17	0.05	158	0.8	5YR-6/4 Light Reddish Brown Sandy Sand Dry							
		0>1'	11.1	32.6	2.94	1.85	10863	1.8	2.5YR- 3/2 Dusky Red, Soft, Slightly Damp, Loamy, Topsoil							

B3	6/2/11	5'	15.3	30.5	1.99	1.69	6736	2.6	5YR-6/3 Light Brown, Soft, Sandy Caliche, Semi-Rocky, Slightly Damp							
		10'	12.8	30.3	2.37	0.36	852	2.2	7.5YR-3/2 Pinkish White, Semi-hard, rocky, sandy, caliche, Dry							
	6/3/11	15'	12.2	30.4	2.49	0.26	648	0.8	7.5YR-3/2 Pinkish White, Semi-hard, rocky, sandy, caliche, Dry							
		20'	9.9	33.9	3.42	0.07	240	1.3	7.5YR-3/2 Pinkish White, Semi-hard, rocky, sandy, caliche, Dry	64					<10.0	<10.0
		23'	11.3	31.8	2.81	0.05	141	1.2	7.5YR-3/2 Pinkish White, Semi-hard, rocky, sandy, caliche, Dry	48					<10.0	<10.0
B4	9/13/11	0>2'	10.4	30.8	2.96	4.34	12849	0.8	.5YR-3/3 Dark Reddish Brown Sand Moist	24000					<10.0	<10.0
		2'>4'	10.1	32.1	3.18	1.87	5941	8.0	10YR-8/2 Very Pale Brown Sandy Sand Damp							
		4'>6'	10.2	32.8	3.22	1.21	3890	0.6	7.5YR-8/4 Pink Sandy Gravely Damp							
		10'	10.3	31.9	3.10	0.9	2787	0.8	7.5YR-8/4 Pink Sandy Sand Slightly Rocky Damp	3840					<10.0	<10.0
		15'	10	30.8	3.08	0.08	246	0.6	7.5YR-4/1 White Sandy Sand Damp							
		20'	10.2	27.7	2.72	0.05	136	0.7	7.5YR-8/2 Pinkish White Sandy Sand Damp							
		25'	10.1	31.6	3.13	0.06	188	0.4	5YR-7/4 Pink Sandy Sand Damp	48					<10.0	<10.0
B5	6/3/11	0>1'	11.4	32.6	2.86	1.67	9548	0.8	2.5YR- 3/2 Dusky Red, Soft, Slightly Damp, Loamy, Topsoil							
		5'	13.3	31.7	2.38	0.93	4432	1.6	5YR-6/3 Light Brown, Soft, Sandy Caliche, Semi-Rocky, Slightly Damp							
	9/13/11	10'	10.3	32.8	3.18	1.04	3311	0.0	7.5YR-8/2 Pinkish White Sandy Sand Damp							
		15'	10	31	3.10	0.1	310	0.0	7.5YR-8/2 Pinkish White Sandy Sand Moist							
		20'	10	31.8	3.18	0.07	223	0.0	7.5YR-8/3 Pink Sandy Sand Damp							
		25'	10.3	29.1	2.83	0.05	141	0.2	7.5YR-7/3 Pink Sandy Sand Damp	64					<10.0	<10.0
B6 Bckgrd	6/3/11	0>1'	10.2	34.9	3.42	0.02	137	1.1	2.5YR- 3/2 Dusky Red, Soft, Slightly Damp, Loamy, Topsoil							
		5'	10.6	31.2	2.94	0.02	118	0.1	5YR-6/3 Light Brown, Soft, Sandy Caliche, Semi-Rocky, Slightly Damp							
		10'	9.5	32.6	3.43	0.05	172	1.3	7.5YR-3/2 Pinkish White, Semi-hard, rocky, sandy, caliche, Dry							

PR- 153

Remediation and Site Restoration Protocol
New Mexico Salt Water Disposal Jenkins Sta. 13 S. Leak
1RP- 2611

1.0 Purpose

This protocol is to provide a detailed outline of the steps to be employed in the remediation of produce water and hydrocarbon leak affected area in Lea County, New Mexico.

2.0 Scope

This protocol is site specific for the above project.

3.0 Preliminary

Prior to any field operations, Whole Earth Environmental shall conduct the following activities:

3.1 Client Review

3.1.1 Whole Earth shall meet with appointed personnel within New Mexico Salt Water Disposal Co. to review this protocol and make any requested modifications or alterations.

3.1.2 Changes to this protocol will be documented and submitted for final review by New Mexico Salt Water Disposal Co. prior to the initiation of actual fieldwork.

3.1.3 Upon client approval, this protocol and supporting documentation will be submitted to the Hobbs district office of the NMOCD for approval.

4.0 Safety

4.1 Prior to work on the site, Whole Earth shall obtain the location and phone numbers of the nearest emergency medical treatment facility. We will review all safety related issues with the appropriate NMSWD personnel, sub-contractors and exchange phone numbers.

4.2 A tailgate safety meeting shall be held and documented each day. All sub-contractors must attend and sign the daily log-in sheet.

4.3 Anyone allowed on to location will be wearing standard PPE. Each vehicle must be equipped with two way communication capabilities.

5.0 Remediation Procedure

5.1 The immediate leak area was excavated for replacement of the defective pipeline and the system was put back into service. Presently the system operator is updating the entire system with new poly line being slipped lined within the old existing pipeline preventing any further future leaks. The impacted area covered approx. 16,476sqft. These areas will be excavated to 4' below ground surface, having a total of approx. 2441cyds that will be disposed of at GMI Land Disposal site. Sampling of all side walls and bottom will be performed in accordance with WEQP-77 BTEX, TPH and chlorides.

5.2 After completion of sampling the excavation, the site will be backfilled with approx. 6" of clean topsoil either purchased from the land owner, or GMI. This material will serve as padding for the Geo-Synthetic liner that will be placed over the entire excavation, an additional 6" to 12" of the same material will be placed over the top of the liner. The site will then be backfilled with clean material either purchased from the land owner or GMI.

6.0 Site Restoration Procedure

6.1 At completion of backfilling the site will be re-contoured to its pre-existing state with a slight mounding of the excavated area. The site will then be seeded using an approved seed mixture by the land owner.

7.0 Closure Report

At the conclusion of the project, Whole Earth shall prepare a closure report which contains the following minimum information:

- Photographs of the location prior to remediation
- Photographs of all excavations at the point of maximum soil removal
- Photographs of the location at time of final closure
- All pre-closure contaminant concentrations
- Copies of this protocol and all testing procedures
- A list of all materials amount sent to commercial disposal
- Tags from the approved seed mixture bags