

**BW - 15**

**PERMITS,  
RENEWALS,  
& MODS**

**CLOSED**

O'Briant and Associates, Inc. dba  
Sport Environmental Services

500 W. Texas Avenue, Suite 1425, Midland, Texas 79701  
(432) 683-1100 business (432) 683-1101 fax  
[sportenvironmental@t3wireless.com](mailto:sportenvironmental@t3wireless.com)

2006 MAY 30 PM 12 37

May 24, 2006

Mr. Ben Stone and Mr. Wayne Price  
State of New Mexico  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Re: **C. W. Trainer Marathon Road Facility (BW-015 Site);  
Brine Pit Sampling and Closure Report**

Dear Mr. Stone and Mr. Price,

It was a pleasure to talk with both of you on May 23, 2006. Thank you for granting verbal approval to close the aforementioned brine pit based on the site characterization outlined herein. Enclosed please find a site drawing and corresponding sampling locations along with the chloride analyses conducted by Mitchell Analytical Laboratory. Soil samples were collected in a grid pattern at a depth up to 6" under the excavation floor. Chloride (Cl) levels range from 53 ppm to 399 ppm. It is our understanding that this pit characterization is sufficient to close the aforementioned pit. The pit will be backfilled with clean caliche.

We understand that site closure of the existing brine facilities is required prior to construction/operation approval of Brine Well # 2. We would like to thank the NMOCD for providing site closure guidance inclusive of regulatory requirements necessary to meet NMOCD approved site closure at the aforementioned BW-015 site.

Thank you for your consideration. If you have any questions or comments in regard to this matter, please feel free to contact me at my office (432-683-1100) or on my mobile (432-553-8555).

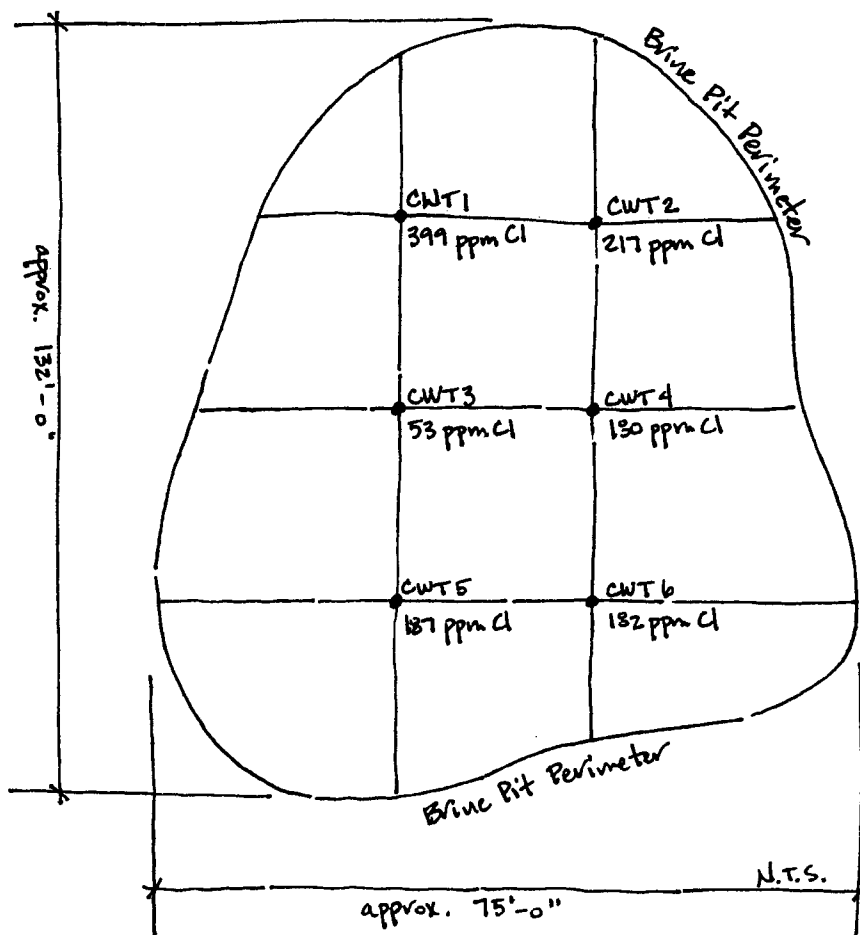
Sincerely,

Debi S. Smith.

Debi S. Smith, M.E., R.E.P.A.  
Environmental Engineer

Cc: C. W. Trainer, P. O. Box 754, Midland, TX 79702  
James F. O'Briant, O'Briant and Associates, Inc., P. O. Box 10487, Midland, TX 79702

Fenced  
Pipeyard



Client: C.W. Trainer

Facility: Marathon Road

Re: Field Drwg. / Sample collection location

Date: Sunday, April 23, 2006

Drawn by: Debi Smith, M.E.

Environmental Engineer

O'Brian and Associates, Inc. dba

Sport Environmental SCS.

(432) 683-1100 business

(432) 553-8555 cell

Sample Chloride (ppm)

CWT1	399
CWT2	217
CWT3	53
CWT4	130
CWT5	187
CWT6	132

# **MITCHELL ANALYTICAL LABORATORY**

2638 Faudree Road  
Odessa, Texas 79765  
561-5579

---

Debi Sport Smith, M.E.  
O'Briant and Associates, Inc. dba  
P.O. Box 10487  
Midland, TX 79702

April 27, 2006

Analysis: Chloride Analysis on 6 Soil Samples  
Lab No: 06-APR-W05918

<u>Sample</u>	<u>Chloride(ppm)</u>
CWT1	399
CWT2	217
CWT3	53
CWT4	180
CWT5	187
CWT6	182

Method: Specific Ion Electrode

***O'BRIANT & ASSOCIATES, INC.***

ATTACHMENT TO THE DISCHARGE PLAN BW-015 RENEWAL  
C. W. TRAINER  
MARATHON ROAD WATER STATION  
DISCHARGE PLAN APPROVAL CONDITIONS  
(December 23, 1996)

1. Payment of Discharge Plan Fees: The \$690 flat fee shall be submitted upon receipt of this approval. The required flat fee may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the plan, with the first payment due upon receipt of this approval.
2. Trainer Commitments: Trainer will abide by all commitments submitted in the discharge plan renewal application dated October 30, 1996.
3. Production Method: Fresh water will be injected down the casing and brine shall be recovered up the tubing. Reverse flow will be allowed only once a month for up to 24 hours for clean out.
4. Maximum Injection Pressure: The maximum operating injection pressure at the well head will be such that the fracture pressure of the injection formation will not be exceeded. Rowland shall supply and obtain approval for any changes to the approval for the maximum and average injection pressures and injection volumes.
5. Mechanical Integrity Testing: The OCD requires an annual open hole pressure test equal to one and one-half of the normal operating pressure for four hours with ten percent bleed-off allowed. At least once every five years the OCD requires the above mentioned open hole test with zero bleed-off allowed. If zero bleed-off cannot be achieved, the casing will be isolated from the formation and tested to 300 psi for 30 minutes. Prior to commencement of operations and during well workovers, the OCD requires the casing to be isolated from the formation and tested to 300 psi for 30 minutes. The OCD will be notified at least 72 hours prior to all testing.
6. Capacity and Cavity Configuration: A test will be conducted to determine the size and configuration of the salt cavern by December 31, 1997. The method and time of testing will be approved by the OCD prior to performing the test. The OCD will be notified at least 72 hours prior to all testing.
7. Subsidence Survey: Rowland will design and install a series of survey points over the area of the facility and the salt cavern by December 31, 1997 to monitor any future surface subsidence. The location and number of survey points will be approved by the OCD prior to installation. The elevation of all survey points will be monitored annually thereafter. The OCD will be notified at least 72 hours prior to all monitoring.

8. Production/Injection Volumes: The volumes of fluids injected (fresh water) and produced (brine) will be recorded monthly and submitted to the OCD Santa Fe Office quarterly.
9. Analysis of Injection Fluid and Brine: Provide an analysis of the injection fluid and brine by April 8, 1997. Analysis will be for concentrations of Total Dissolved Solids, Sodium, Calcium, Potassium, Magnesium, Bromide, Carbonate/Bicarbonate, Chloride and Sulfate. Include location and method of sampling.
10. Drum Storage: All drums containing materials other than fresh water must be stored on an impermeable pad with curbing. All empty drums should be stored on their sides with the bungs in place and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets must also be stored on an impermeable pad with curbing.
11. Process Areas: All process and maintenance areas which show evidence that leaks and spills are reaching the ground surface must be either paved and curbed or have some type of spill collection device incorporated into the design.
12. Above Ground Tanks: All above ground tanks which contain fluids other than fresh water must be bermed to contain a volume of one-third more than the total volume of the largest tank or of all interconnected tanks. All new facilities or modifications to existing facilities must place the tank on an impermeable type pad within the berm.
13. Above Ground Saddle Tanks: Above ground saddle tanks must have impermeable pad and curb type containment unless they contain fresh water or fluids that are gases at atmospheric temperature and pressure.
14. Labeling: All tanks, drums, and other containers should be clearly labeled to identify their contents and other emergency information necessary if the tank were to rupture, spill, or ignite.
15. Below Grade Tanks/Sumps: All below grade tanks, sumps, and pits must be approved by the OCD prior to installation or upon modification and must incorporate secondary containment and leak-detection into the design. All pre-existing sumps and below-grade tanks must demonstrate integrity on an annual basis. Integrity tests include pressure testing to 3 pounds per square inch above normal operating pressure and/or visual inspection of cleaned out tanks and/or sumps, or other OCD approved methods. The OCD will be notified at least 72 hours prior to all testing.
16. Underground Process/Wastewater Lines: All underground process/wastewater, and brine transfer pipelines must be tested to demonstrate their mechanical integrity at present and then every 5 years thereafter, or prior to discharge plan renewal. Permittees may propose various methods for testing such as pressure testing to 3 pounds per square inch above

normal operating pressure or other OCD approved methods. The OCD will be notified at least 72 hours prior to all testing.

17. Well Workover Operations: OCD approval will be obtained from the Director prior to performing remedial work or any other workover. Approval will be requested on OCD Form C-103 "Sundry Notices and Reports on Wells" (OCD Rule 1103.A.) with appropriate copies sent to the OCD Hobbs District Office.
18. Housekeeping: All systems designed for spill collection/prevention, and leak detection will be inspected daily to ensure proper operation and to prevent overtopping or system failure.  
  
Any non-exempt contaminated wastes that are collected at the facility will be tested for hazardous constituents, and after receiving OCD approval, will be disposed of at an OCD approved site.
19. Spill Reporting: All spills/releases shall be reported pursuant to OCD Rule 116. and WQCC 1203. to the OCD Hobbs District Office.
20. Transfer of Discharge Plan: The OCD will be notified prior to any transfer of ownership, control, or possession of a facility with an approved discharge plan. A written commitment to comply with the terms and conditions of the previously approved discharge plan must be submitted by the purchaser and approved by the OCD prior to transfer.
21. Closure: The OCD will be notified when operations of the facility are discontinued for a period in excess of six months. Prior to closure of the facility a closure plan will be submitted for approval by the Director. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.
22. Certification: Trainer, by the officer whose signature appears below, accepts this permit and agrees to comply with all terms and conditions contained herein. Trainer further acknowledges that these conditions and requirements of this permit may be changed administratively by the Division for good cause shown as necessary to protect fresh water, human health and the environment.

Accepted:

C. W. TRAINER

by

  
Title



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO  
SANTA FE, NEW MEXICO 87505  
(505) 827-7131

December 23, 1996

**CERTIFIED MAIL**  
**RETURN RECEIPT NO. P-288-258-886**

Mr. C. W. Trainer  
TOCO LLC  
P.O. Box 754  
Midland, TX 79702

**RE: Discharge Plan BW-015  
Marathon Road Water Station  
Lea County, New Mexico**

Dear Mr. Trainer:

The groundwater discharge plan renewal BW-015, for the C. W. Trainer (Trainer) Marathon Road Water Station located in the SW/4, SE/4 of Section 25, Township 19 South, Range 34 East, NMPM, Lea County, New Mexico, **is hereby approved** under the conditions contained in the enclosed attachment. The application consists of the original discharge plan as approved May 16, 1985, the renewal as approved April 8, 1992, and the renewal application dated October 30, 1996. Enclosed are two copies of the conditions of approval. **Please sign and return one copy to the New Mexico Oil Conservation Division (OCD) Santa Fe Office within 10 working days of receipt of this letter.**

The discharge plan application was submitted pursuant to Section 5101.B.3. of the New Mexico Water Quality Control Commission (WQCC) Regulations. It is approved pursuant to Section 5101.A. and 3109.C. Please note Section 3109.F., which provides for possible future amendment of the plan. Please be advised that approval of this plan does not relieve Trainer of liability should operations result in pollution of surface or ground waters, or the environment.

Please be advised that all exposed pits, including lined pits and open top tanks (exceeding 16 feet in diameter) shall be screened, netted, or otherwise rendered nonhazardous to wildlife including migratory birds.



Mr. C. W. Trainer  
December 23, 1996  
Page 2

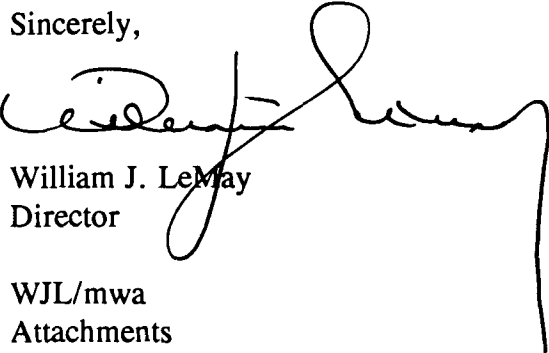
Please note that Section 3104. of the regulations requires that "when a plan has been approved, discharges must be consistent with the terms and conditions of the plan." Pursuant to Section 3107.C., Trainer is required to notify the Director of any facility expansion, production increase, or process modification that would result in any change in the discharge of water quality or volume.

Pursuant to Section 3109.G.4., this approval is for a period of five years. This approval will expire April 8, 2002, and an application for renewal should be submitted in ample time before that date. Note that under Section 5101.G. of the regulations, if a discharger submits a discharge plan renewal application at least 180 days before the discharge plan expires and is in compliance with the approved plan, then the existing discharge plan will not expire until the application for renewal has been approved or disapproved. It should be noted that all discharge plan facilities will be required to submit plans for, or the results of, an underground drainage testing program as a requirement for discharge plan renewal.

The discharge plan application for the C. W. Trainer Marathon Road Water Station is subject to the WQCC Regulation 3114. Every billable facility submitting a discharge plan will be assessed a fee equal to the filing fee of \$50 plus a flat fee of \$690 for brine stations. The OCD received the \$50 filing fee on October 29, 1996. The OCD has not received the \$690 flat fee. The flat fee may be paid in a single payment due on the date of the discharge plan approval or in five equal installments over the expected duration of the discharge plan. Installment payments shall be remitted yearly, with the first installment due on the date of the discharge plan approval and subsequent installments due on this date of each calendar year.

On behalf of the staff of the New Mexico Oil Conservation Division, I wish to thank you and your staff for your cooperation during this discharge plan review.

Sincerely,



William J. LeMay  
Director

WJL/mwa  
Attachments

xc: OCD Hobbs Office

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C. W. TRAINER  
MARATHON ROAD WATER STATION  
DISCHARGE PLAN APPROVAL CONDITIONS  
(December 23, 1996)

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7. Subsidence Survey: <sup>Toco LLC</sup> Rowland will design and install a series of survey points over the area of the facility and the salt cavern by December 31, 1997 to monitor any future surface subsidence. The location and number of survey points will be approved by the OCD prior to installation. The elevation of all survey points will be monitored annually thereafter. The OCD will be notified at least 72 hours prior to all monitoring.

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22. Certification: Trainer, by the officer whose signature appears below, accepts this permit and agrees to comply with all terms and conditions contained herein. Trainer further acknowledges that these conditions and requirements of this permit may be changed administratively by the Division for good cause shown as necessary to protect fresh water, human health and the environment.

Accepted:

C. W. TRAINER

by \_\_\_\_\_  
Title

P 288 258 88b

US Postal Service	
<b>Receipt for Certified Mail</b>	
No Insurance Coverage Provided. Do not use for International Mail (See reverse)	
Sent to	
Street & Number	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

ACKNOWLEDGEMENT OF RECEIPT  
OF CHECK/CASH

I hereby acknowledge receipt of check No.                      dated 12/31/97  
or cash received on                      in the amount of \$ 690.00  
from TOCO LLC

for Marathon Rd Water Sta BW-015

Submitted by:                      Date:                     

Submitted to ASD by: R. Anderson Date: 1-24-97

Received in ASD by:                      Date:                     

Filing Fee        New Facility        Renewal X

Modification        Other                     

Organization Code 521.07 Applicable FY 97

To be deposited in the Water Quality Management Fund.

Full Payment X or Annual Increment       

TOCO, LLC  
P.O. BOX 754  
MIDLAND, TX 79701

NORWEST BANKS  
NORWEST BANK TEXAS, MIDLAND, N.A.  
MIDLAND, TEXAS 79702-2097

12/31/96

New Mexico Oil Conservation Division

\$ \*\*690.00

DOLLARS

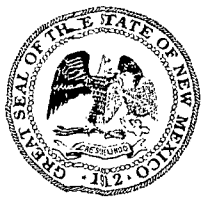
Six Hundred Ninety and 00/100\*\*\*\*\*

New Mexico Oil Conservation Di  
2040 S. Pacheco  
Santa Fe, NM 87505

R. X. Moore  
AUTHORIZED SIGNATURE

C W Trainer Marathon Rd. Water

MEMO



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Mark E. Fesmire P.E.**

Director

Oil Conservation Division

October 12, 2006

Ms. Debi S. Smith, M.E.  
Sport Environmental Services, PLLC  
731 West Wadley, Building L, Suite 200  
Midland, Texas 79705

Re: Site Closure  
C.W. Trainer Marathon Road Facility (BW-015)  
Section 25, Township 19 South, Range 34 East, NMPM, Lea County, New Mexico

Dear Ms. Smith:

Pursuant to your May 24, 2006 letter entitled, "C.W. Trainer Marathon Road Facility (BW-015); Brine Pit Sampling and Closure Report (report)," with attached chloride in soil media analytical data results to the Energy, Minerals and Natural Resources Department- Oil Conservation Division (OCD), your site closure report is hereby approved and site closure is granted.

Please contact Carl Chavez of my staff at (505) 476-3491 or E-mail me at [carlj.chavez@state.nm.us](mailto:carlj.chavez@state.nm.us) if you have questions. Thank you.

Sincerely,

Wayne Price  
Environmental Bureau Chief

CC/lwp

Attachments-1

xc: OCD District Office  
C.W. Trainer, P.O. Box 754, Midland TX 79702  
James F. O'Briant, O'Briant and Associates, Inc., P.O. Box 10487, Midland, TX 79702



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

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Cabinet Secretary

**Mark E. Fesmire P.E.**

Director

**Oil Conservation Division**

October 12, 2006

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Sincerely,

A handwritten signature in black ink, appearing to read "W. Price".

Wayne Price  
Environmental Bureau Chief

CC/lwp

Attachments-1

xc: OCD District Office  
C.W. Trainer, P.O. Box 754, Midland TX 79702  
James F. O'Briant, O'Briant and Associates, Inc., P.O. Box 10487, Midland, TX 79702

**Chavez, Carl J, EMNRD**

---

**From:** Debi Sport Smith [dsportsmith@t3wireless.com]  
**Sent:** Wednesday, September 27, 2006 2:39 PM  
**To:** Chavez, Carl J, EMNRD  
**Cc:** RINTOUL@aol.com; 'C.W. Trainer'; trainer6@cox.net  
**Subject:** Emailing: CWT Brine Pit Closure Report

Mr. Chavez,

Attached please find the documentation you requested with regard to C. W. Trainer's brine pit closure. If you have any further questions, please feel free to contact me.

Sincerely,  
Debi Smith

**Debi Sport Smith, M.E., R.E.P.A.**  
**O'Briant and Associates, Inc. dba**  
**SPORT ENVIRONMENTAL SERVICES**  
**500 W. Texas Avenue, Suite 1425**  
**Midland, Texas 79701**  
**(432) 683-1100 business**  
**(432) 683-1101 fax**  
**(432) 553-8555 cell**  
**(432) 683-5511 24-hour**  
**sportenvironmental@t3wireless.com**

The message is ready to be sent with the following file or link attachments:

CWT Brine Pit Closure Report

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

9/27/2006



cc: dino 5/24/06

O'Briant and Associates, Inc. dba  
Sport Environmental Services

500 W. Texas Avenue, Suite 1425, Midland, Texas 79701  
(432) 683-1100 business (432) 683-1101 fax  
[sportenvironmental@t3wireless.com](mailto:sportenvironmental@t3wireless.com)

May 24, 2006

Mr. Ben Stone and Mr. Wayne Price  
State of New Mexico  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Re: C. W. Trainer Marathon Road Facility (BW-015 Site);  
Brine Pit Sampling and Closure Report

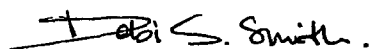
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We understand that site closure of the existing brine facilities is required prior to construction/operation approval of Brine Well # 2. We would like to thank the NMOCD for providing site closure guidance inclusive of regulatory requirements necessary to meet NMOCD approved site closure at the aforementioned BW-015 site.

Thank you for your consideration. If you have any questions or comments in regard to this matter, please feel free to contact me at my office (432-683-1100) or on my mobile (432-553-8555).

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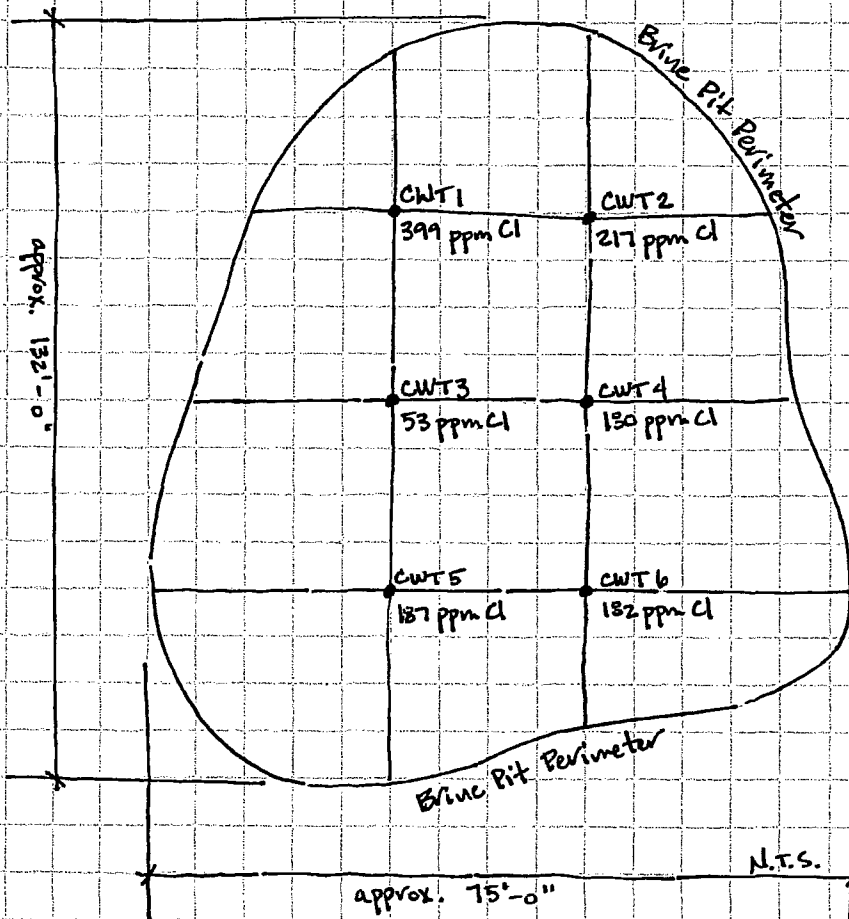


Debi S. Smith, M.E., R.E.P.A.  
Environmental Engineer

Cc: C. W. Trainer, P. O. Box 754, Midland, TX 79702

James F. O'Briant, O'Briant and Associates, Inc., P. O. Box 10487, Midland, TX 79702 via fax # 683-5903  
(3 pages)

Fenced  
Pipeyard



Client: C.W. Trainer  
 Facility: Marathon Road  
 Re: Field Drwg. / Sample collection location  
 Date: Sunday, April 23, 2006  
 Drawn by: Debi Smith, M.E.  
 Environmental Engineer  
 O'Brian and Associates, Inc. dba  
 Sport Environmental Sks.  
 (432) 683-1100 business  
 (432) 553-8555 cell

Sample	Chloride (ppm)
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CWT3	53
CWT4	130
CWT5	187
CWT6	182

2638 Faudree Rd  
Odessa, TX 79765  
432-561-5579 FAX: 232-561-5985

**MITCHELL  
ANALYTICAL  
LABORATORY INC.**

# Fax

<b>To:</b> Carl J. Chavez	<b>From:</b> David Sanchez
<b>Fax:</b> (505) 476-3462	<b>Pages:</b> 4 (with fax coversheet)
<b>Phone:</b>	<b>Date:</b> 10-11-2006
<b>Re:</b> Chloride Analyses	<b>CC:</b>
<hr/>	
<hr/>	

• **Comments**

Chloride Analyses done for O'Briant & Associates back in April 27, 2006. Lab No: 06-APR-W05918

**Analytical Laboratory, Inc.**

2638 Faudree Road • Odessa, TX 79765-8538

### CHAIN OF CUSTODY RECORD

[illegible]

**MITCHELL ANALYTICAL LABORATORY**

2638 Faudree Road  
Odessa, Texas 79765  
561-5579

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Debi Sport Smith, M.E.  
O'Briant and Associates, Inc. dba  
P.O. Box 10487  
Midland, TX 79702

April 27, 2006

Analysis: Chloride Analysis on 6 Soil Samples  
Lab No: 06-APR-W05918

<u>Sample</u>	<u>Chloride (ppm)</u>
CWT1	399
CWT2	217
CWT3	53
CWT4	180
CWT5	187
CWT6	182

Method: Specific Ion Electrode

***O'BRIANT & ASSOCIATES, INC.***

Mitchell Analytical Laboratory  
2638 Faudree Rd.  
Odessa Tx, 79765

Project: 6 Soil Samples  
Received: 4/26/2006  
Lab No: 06-APR-W05918

**Quality Control-Chloride by Potentiometric Titration  
w/Chloride Specific Ion Electrode**

Prepared & Analyzed: 4/27/2006

Analyte	Result	Reporting Limit	Units	Spike Level	%REC
<b>Blank</b>					
Chloride	ND	1.0	ppm		
<b>Calibration Check</b>					
Chloride	24.8	1.0	ppm	25.0	99.2
Chloride	49.7	1.0	ppm	50.0	99.4
Chloride	99.7	1.0	ppm	100.0	99.7
<b>Laboratory Control Spike</b>					
Chloride	249.6	1.0	ppm	250.0	99.8
<b>Laboratory Control Spike Duplicate</b>					
Chloride	249.5	1.0	ppm	250.0	99.8

O'Briant and Associates, Inc. dba  
Sport Environmental Services, PLLC

January 19, 2006

Mr. Wayne Price  
State of New Mexico  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Re: C. W. Trainer BW-015;  
Request for Site Closure Guidance

Dear Mr. Price,

It was a pleasure to meet you during my November trip to Santa Fe. Thank you for allowing us to obtain a copy of the C. W. Trainer BW-015 files. This information has been beneficial in the preparation of required filings associated with the installation of proposed Brine Well # 2 at the existing Trainer brine extraction site.

In accordance with our previous conversations and our e-mail request of November 22<sup>nd</sup>, we are aware that site closure of the existing brine facilities is required prior to construction/operation approval of Brine Well # 2. At this time, we are requesting that the NMOC D provide us with site closure guidance inclusive of regulatory requirements necessary to meet NMOC D approved site closure at the aforementioned BW-015 site.

Thank you in advance for your timely assistance. If you have any questions or comments in regard to this matter, please feel free to contact me at my office (432-687-5582) or on my mobile (432-553-8555).

Sincerely,

*Debi S. Smith.*

Debi S. Smith, M.E.  
Environmental Engineer

Cc: C. W. Trainer, P. O. Box 754, Midland, TX 79702  
James F. O'Briant, O'Briant and Associates, Inc., P. O. Box 10487, Midland, TX 79702