New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division

April 7, 2008

BTA Oil Producers
104 S Pecos
Midland, TX 79701

RE: Remediation Work Plan
Pardue SWD Battery N-11-23S-28E Eddy County, New Mexico
2RP-155

Operator;

The New Mexico Oil Conservation Division District 2 office (OCD) is in receipt of a remediation work plan (plan). Included in the plan is a form C-144 requesting closure of a pit. The C-144 assigned a site ranking score of sixty (60) points. The C-144 is accepted for record. The plan proposes to " ... excavate approximately one foot of impacted soil, backfill the excavation with a veneer of clean sand, install a 20 mil poly-liner, backfill with a veneer of clean sand and backfill with approximately 2-feet of clean soil to prevent further issues ..."

As presented, the plan cannot be approved. Chloride analytical data only was presented to OCD from soil samples obtained on March 18, 2008. An alternate remediation work plan based on further vertical and horizontal delineation to address TPH, BTEX, and Chlorides must be presented to OCD.

- Notify the OCD 48 hours prior to obtaining samples where analyses are to be submitted to the OCD.

Please submit the delineation results and alternate remediation work plan on or before May 7, 2008.

Thank you for your attention to this matter. If I can be of assistance or should you have any questions/concerns, please don't hesitate to contact me.

Respectfully,

Sherry Bonham
NMOCD District 2
1301 W Grand Avenue
575.748.1283 Ext. 109
sherry.bonham@state.nm.us

cc: Ben Grimes
Skip Baca

PARDUE SWD SITE REMEDIATION PLAN

8808 JV-P Pardue SWD Injection Facility
20 Miles southeast of Carlsbad, New Mexico
Carlsbad, New Mexico
BTA Project Number Env. 2008-25

Prepared for:
New Mexico Oil Conservation Division
1301 W. Grand Avenue
Artesia, New Mexico 88210

Prepared By:
BTA Oil Producers
104 S. Pecos St.
Midland, Texas 79701

Joseph A. Baca, P.G.
Environmental Coordinator
BTA Oil Producers

STATE OF TEXAS
Joseph A. Baca
Geology
2990
LICENSED
PROFESSIONAL GEOSCIENTIST

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1.0 INTRODUCTION

BTA Oil Producers (BTA) is pleased to submit this Pardue SWD Site Remediation Plan for the 8808 JV-P Pardue SWD Injection Facility (Pardue). The Pardue site is located approximately 20 miles southeast of the town of Carlsbad, in the NE/4, NE/4, of Section 11, Township 23 South, Range 28 East, and Eddy County, New Mexico. Ground Positioning Satellite (GPS) coordinates are N32°18.771' and W104°03.633'. A site map is provided with this report as Figure 1.

On February 15, 2008 soil samples were collected from the floor of the impacted site and submitted for laboratory analysis. Three soil samples, identified as 1-1'-Spl, 2-2'-Spl and 2-3'-Spl were collected from two (2) separate sample excavations within the impacted area. Sample 1-1'-Spl was collected from an excavation labeled Sample Excavation No. 1 on the floor of the impacted area at a depth of approximately 1-foot below ground surface (bgs). Samples 2-2'-Spl and 2-3'-Spl were collected from an excavation labeled Sample Excavation No. 2 also on the floor of the impacted area at a depth of 2-feet and 3-feet bgs (Figure 2). The samples were submitted for laboratory analysis and the analytical results indicated that the samples exhibited GRO and DRO (8015) concentrations of <50.0 mg/Kg to 680 mg/Kg. The sample exhibiting the highest GRO and DRO was subsequently run for BTEX (8021B) and exhibited <0.100 mg/Kg for Benzene, 0.712 mg/Kg Toluene, .0322 for Ethylbenzene and 2.01 mg/Kg for Xylene. Chloride analytical results ranged from 2,430 mg/Kg to 15,900 mg/Kg (Table 1).

Laboratory submitted samples were placed in a new sterile glass container, equipped with a Teflon-lined lid furnished by the laboratory. The samples were labeled, placed on ice, chilled to a temperature of approximately 4°C and transported to Trace Analysis, Inc in Midland, Texas for analysis of GRO, DRO by method 8015, BTEX by method 8021B and Chlorides by titration. Appropriate chain-of-custody documentation and shipping protocols were followed. The laboratory analytical reports are provided in Appendix A. Figure 2 displays the excavation limits and the location of each confirmation soil sample. Table 1 displays the analytical results of field tested and laboratory analyzed confirmation soil samples.

BTA's Pardue SWD Injection Facility (Pardue) is located on top of an east trending topographic nose, approximately 40-feet above the west bank of the Pecos River. The area of interest is located on the southern end of the topographic nose. The overall nose area measures approximately 541-feet long by 485-feet wide. The impacted site measures approximately 177-feet on the west side, 77-feet on the east side and is approximately 163-feet long. The area is parallelogram shaped with the wider end to the west. Soil in the site area is composed of fine sandy loam with large limestone cobbles on the surface and solid rock at approximately 2 to 3 feet below ground surface (bgs). During the sample event of February 15, 2008, while collecting initial soil samples, it was found that solid rock existed below 1-foot and was difficult to excavate with the back-hoe. It is BTA's intention to remove one-foot of impacted soil backfill the excavation with a veneer of clean sand, install a 20 mil poly-liner, backfill with a veneer of clean sand and backfill with approximately 2-feet of clean soil to prevent further issues (Figure 4). The area would be backfilled and leveled to meet the general lay of the existing surface grade. It would not be cost effective to excavate to a greater depth as the solid rock would prevent it.

On March 18, 2008 four soil samples, identified as North-1@1', South-2@1', East-3@-1' and West -4@1' were collected from the historical pit, 1-foot below ground surface (bgs) (Figure 2). The samples were submitted to an analytical laboratory for Chloride analysis, and results were

received March 21, 2008. The samples ranged from 898 mg/Kg to 3110 mg/Kg (Table 1). This would define the area to be excavated at approximately 60-feet by 60-feet.

Laboratory submitted samples were placed in a new sterile glass container, equipped with a Teflon-lined lid furnished by the laboratory. The samples were labeled, placed on ice, chilled to a temperature of approximately 4°C and transported to Trace Analysis, Inc in Midland, Texas for analysis of Chlorides by titration. Appropriate chain-of-custody documentation and shipping protocols were followed. The laboratory analytical reports are provided in Appendix A. Figure 2 displays the excavation limits and the location of each confirmation soil sample. Table 1 displays the analytical results of field tested and laboratory analyzed confirmation soil samples.

PURPOSE OF PLAN

The purpose of this report is to document field activities that will take place at the Pardue in order to remediate the site and present supporting data to meet that end.

2.0 SUMMARY OF FIELD ACTIVITIES

BTA will move in a track-hoe and a front-end loader onto the Pardue site. The track-hoe will excavate the top 1 to 2-feet, remove the material, and level the excavation floor. A 20-mil poly liner would be installed and new fresh soil place over the new liner

4.0 WATER WELLS AND SURFACE WATER

There are two water wells and surface water in close proximity. There are two water wells approximately 3,600-feet west of the impacted site in Section 11, Township 23 South, Range 28 East, Eddy County, New Mexico. Well C00512 has a depth to water at 15-feet and is used for irrigation. Well C 00608 has no depth to water recorded according to the New Mexico Office of the State Engineer and it is used as a domestic well (Figure 3).

5.0 LIMITATIONS

BTA has prepared this Site Remediation Plan to the best of its ability. No other warranty, expressed or implied, is made or intended. BTA has examined and relied upon documents referenced in the plan and on oral statements made by certain individuals. BTA has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements are true and accurate. BTA has prepared this plan in a professional manner, using a degree of skill and care. BTA also notes that the facts and conditions referenced in this report may change over time, and the conclusions set forth herein are applicable only to the facts and conditions as described at the time of this plan.

6.0 DISTRIBUTION LIST

Pardue SWD Injection Facility Remediation Plan
BTA Oil Producers
8808 JV-P Pardue SWD Injection Facility
BTA Project No. Env. 2008-025

Copy 1

Oil Conservation Division (OCD)
1301 W. Grand Avenue
Artesia, New Mexico 88210

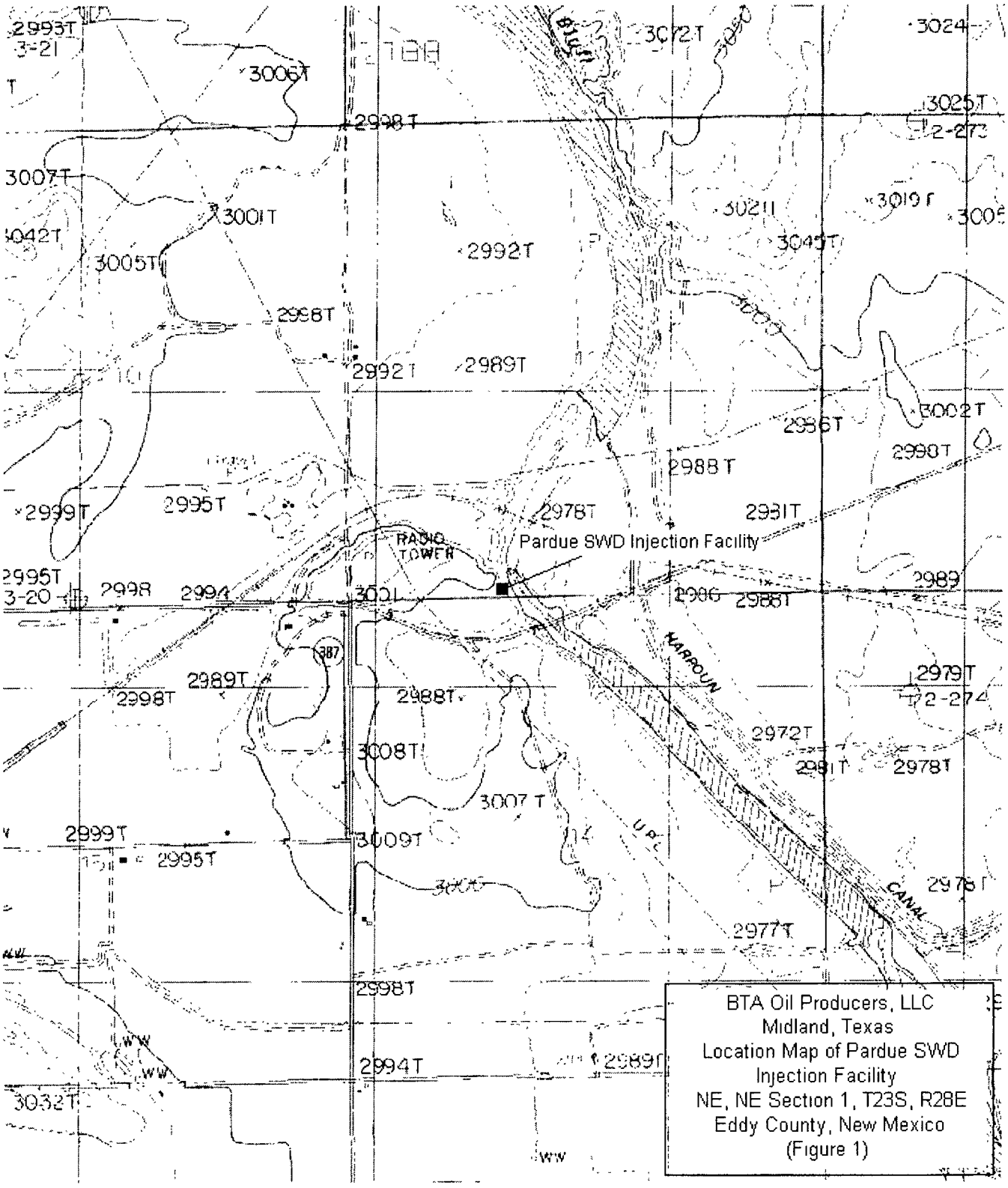
Copy 2

BTA Central File

ATTACHMENTS

FIGURES

Figure 1


Pardue SWD Injection Facility
RADIO TOWER
MARROUN
CANAL
2993T
3006T
2998T
3025T
3007T
3001T
3005T
2992T
2988T
2989T
3002T
2986T
2990T
2988T
2999T
2995T
2978T
2981T
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2988T
2972T
3008T
2981T
2978T
3007T
2999T
3009T
2995T
2977T
2998T
2994T
3032T
BTA Oil Producers, LLC
Midland, Texas
Location Map of Pardue SWD
Injection Facility
NE, NE Section 1, T23S, R28E
Eddy County, New Mexico
(Figure 1)

Figure 2

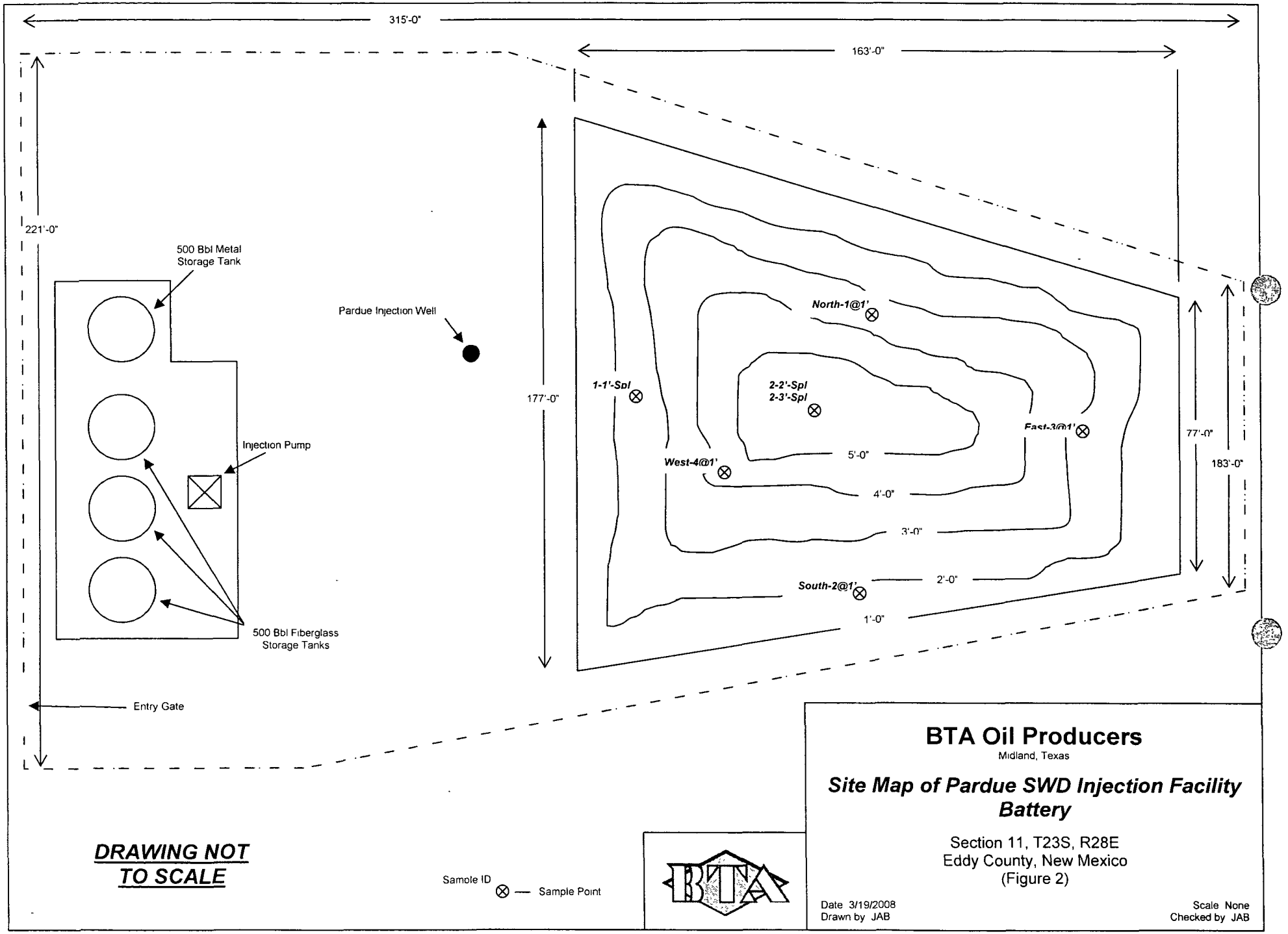
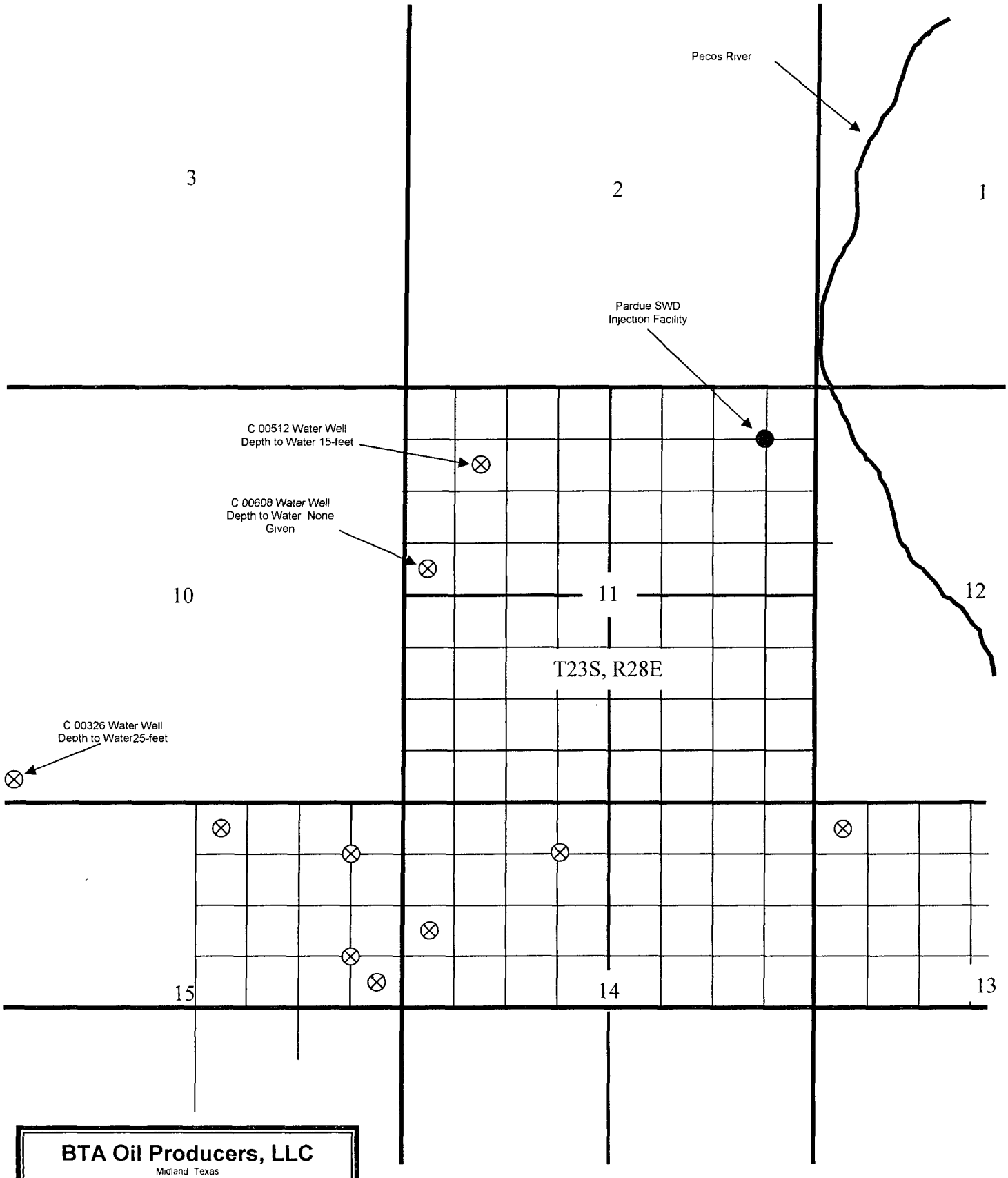

315'-0"
163'-0"
221'-0"
177'-0"
77'-0"
183'-0"
500 Bbl Metal Storage Tank
Pardue Injection Well
Injection Pump
500 Bbl Fiberglass Storage Tanks
Entry Gate
North-1@1'
1-1'-Spl
2-2'-Spl
2-3'-Spl
East-3@1'
West-4@1'
South-2@1'
5'-0"
4'-0"
3'-0"
2'-0"
1'-0"
DRAWING NOT TO SCALE
Samole ID
Sample Point
BTA Oil Producers
Midland, Texas
Site Map of Pardue SWD Injection Facility Battery
Section 11, T23S, R28E
Eddy County, New Mexico
(Figure 2)
Date 3/19/2008
Drawn by JAB
Scale None
Checked by JAB

Figure 3



BTA Oil Producers, LLC

Midland Texas

Site Map of Pardue SWD Injection Facility with Closest Water Wells

NE, NE, Sec 11, T18S, R28E, Eddy County New Mexico

(Figure 3)

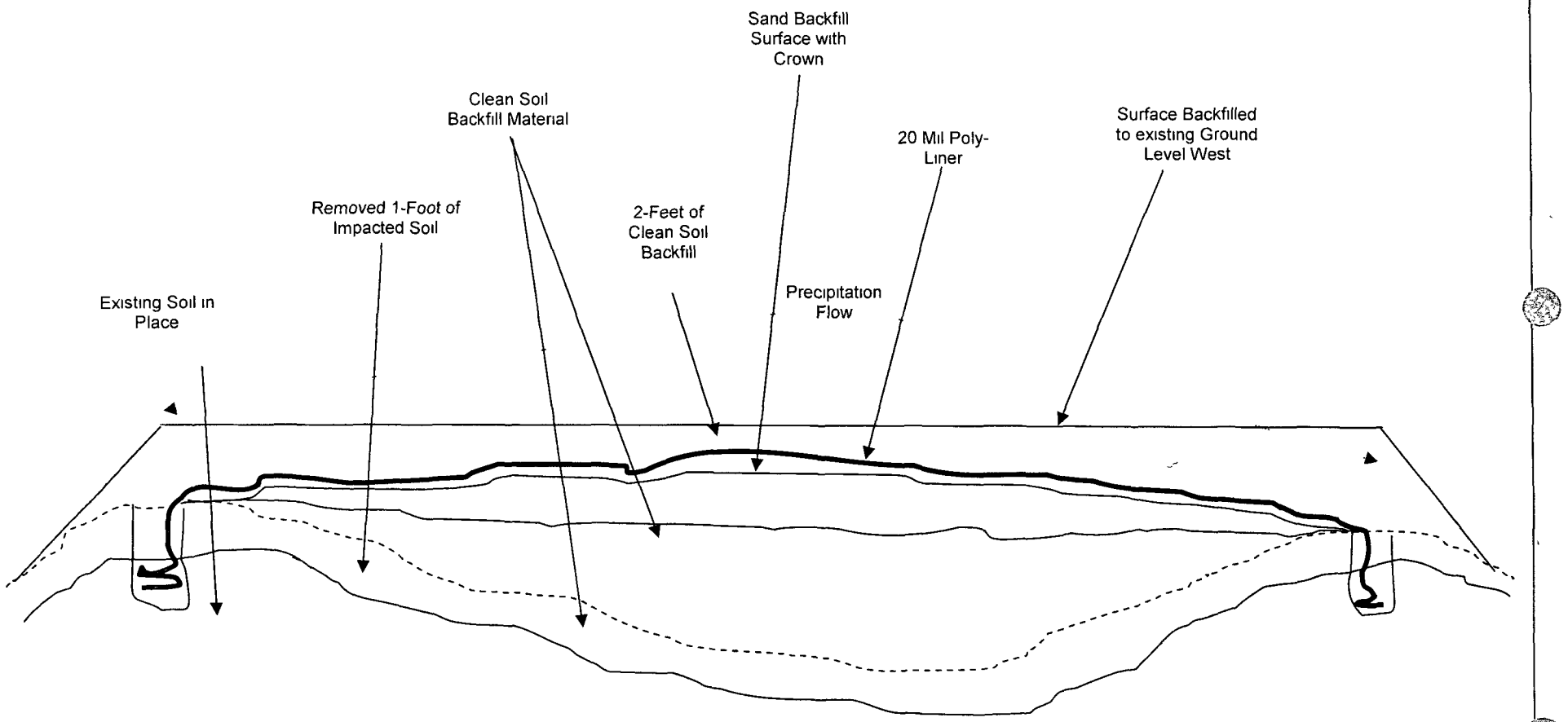
Drawn By JAB
Scale None

Checked By JAB
Date 03/11/2008

- Pardue SWD Injection Facility

- Water Well

Figure 4



DRAWING NOT TO SCALE

BTA Oil Producers

Midland, Texas

Exaggerated Diagrammatical Representation Showing Excavation, Liner and Backfill Materials

Section 11, T23S, R28E
Eddy County, New Mexico
(Figure 4)

Date 3/19/2008
Drawn by JAB

Scale None
Checked by JAB

TABLES

BTA Oil Producers
104 S. Pecos St.
Midland, Texas 79701
Tele: 432-682-3753
Fax: 432-683-0325

Table I

Excavation Soil TPH GRO and DRO Analytical Results
Excavation Soil BTEX Analysis
Excavation Soil Chloride Analysis
BTA - Pardue SWD Injection Facility - Lea County, New Mexico
New Mexico NMOCD Inspection # iREI0724042324
BTA Project Number Env. 2008-025

GLE 3,804'

			Analytical Methods						
			Mod. 8015B	S 8015B	S 8021B				SM 4500-CL B
SAMPLE DATE	SAMPLE IDENTIFICATION	TOTAL TPH	TPH DRO mg/Kg	TPH GRO mg/Kg	BENZENE mg/Kg	TOLUENE mg/Kg	ETHYLBENZENE mg/Kg	XYLENE mg/Kg	CHLORIDES (mg/Kg)
Excavation									
2/15/2008	1-1'-Spl	685.00	455.00	230.00	<0.100	0.71	0.32	2.01	**15,900.00**
2/15/2008	2-2'-Spl	216.80	139 00	77.80	NA	NA	NA	NA	**3,510.00**
2/15/2008	2-3'-Spl	51.80	<50.0	1.08	NA	NA	NA	NA	**2,430.00**
3/19/2008	North-1@1'	NA	NA	NA	NA	NA	NA	NA	**3,110.00**
3/19/2008	South-2@1'	NA	NA	NA	NA	NA	NA	NA	**1,190.00**
3/19/2008	East-3@1'	NA	NA	NA	NA	NA	NA	NA	**898.00**
3/19/2008	West-4@1'	NA	NA	NA	NA	NA	NA	NA	**2,540.00**

Note: Values in bold are outside regulatory limits

APPENDICES

Appendix A

Summary Report

Skip Baca
BTA Oil Producers
104 S. Pecos
Midland, TX, 79701

Report Date: February 19, 2008

Work Order: 8021530

Project Location: 20 miles SE of Carlsbad, NM
Project Name: Pardue SWD Battery
Project Number: ENV 2008-25

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
150812	1-1'-Spl	soil	2008-02-15	10:00	2008-02-15
150813	2-2'-Spl	soil	2008-02-15	10:09	2008-02-15
150814	2-3'-Spl	soil	2008-02-15	10:14	2008-02-15

	BTEX				TPH DRO	TPH GRO
	Benzene	Toluene	Ethylbenzene	Xylene	DRO	GRO
Sample - Field Code	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
150812 - 1-1'-Spl	<0.100	**0.712**	**0.322**	**2.01**	**455**	**230**
150813 - 2-2'-Spl					**139**	**77.8**
150814 - 2-3'-Spl					<50.0	**1.08**

Sample: 150812 - 1-1'-Spl

Param	Flag	Result	Units	RL
Chloride		**15900**	mg/Kg	1.00

Sample: 150813 - 2-2'-Spl

Param	Flag	Result	Units	RL
Chloride		**3510**	mg/Kg	1.00

Sample: 150814 - 2-3'-Spl

Param	Flag	Result	Units	RL
Chloride		**2430**	mg/Kg	1.00

TRACEANALYSIS, INC.

Analytical and Quality Control Report

Skip Baca
BTA Oil Producers
104 S. Pecos
Midland, TX, 79701

Report Date. February 20, 2008

Work Order: 8021530

Project Location: 20 miles SE of Carlsbad, NM
Project Name Pardue SWD Battery
Project Number. ENV 2008-25

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
150812	1-1'-Spl	soil	2008-02-15	10 00	2008-02-15
150813	2-2'-Spl	soil	2008-02-15	10:09	2008-02-15
150814	2-3'-Spl	soil	2008-02-15	10:14	2008-02-15

These results represent only the samples received in the laboratory The Quality Control Report is generated on a batch basis All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank

Analytical Report

Sample: 150812 - 1-1'-Spl

Analysis	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch	45693	Date Analyzed:	2008-02-18	Analyzed By	DC
Prep Batch	39337	Sample Preparation:	2008-02-18	Prepared By	DC

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.100		mg/Kg	10	0.0100
Toluene		**0.712**		mg/Kg	10	0 0100
Ethylbenzene		**0.322**		mg/Kg	10	0 0100
Xylene		**2.01**		mg/Kg	10	0 0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10 7	mg/Kg	10	10.0	107	70 - 130
4-Bromofluorobenzene (4-BFB)		11.1	mg/Kg	10	10 0	111	70 - 130

Sample: 150812 - 1-1'-Spl

Analysis	Chloride (IC)	Analytical Method	E 300 0	Prep Method:	N/A
QC Batch	45695	Date Analyzed	2008-02-19	Analyzed By:	AR
Prep Batch	39345	Sample Preparation	2008-02-18	Prepared By.	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**15900**		mg/Kg	1000	1 00

Sample: 150812 - 1-1'-Spl

Analysis	TPH DRO	Analytical Method.	Mod 8015B	Prep Method:	N/A
QC Batch.	45679	Date Analyzed	2008-02-18	Analyzed By	LD
Prep Batch	39332	Sample Preparation.	2008-02-18	Prepared By	LD

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**455**		mg/Kg	1	50 0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[1]	173	mg/Kg	1	100	173	39 1 - 137 7

Sample: 150812 - 1-1'-Spl

Analysis	TPH GRO	Analytical Method	S 8015B	Prep Method	S 5035
QC Batch	45689	Date Analyzed	2008-02-18	Analyzed By	DC
Prep Batch.	39337	Sample Preparation	2008-02-18	Prepared By	DC

[1] High surrogate recovery due to peak interference

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**230**		mg/Kg	10	1 00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10.2	mg/Kg	10	10 0	102	70 - 130
4-Bromofluorobenzene (4-BFB)		11.6	mg/Kg	10	10 0	116	70 - 130

Sample: 150813 - 2-2'-Spl

Analysis	Chloride (IC)	Analytical Method	E 300 0	Prep Method:	N/A
QC Batch:	45695	Date Analyzed	2008-02-19	Analyzed By.	AR
Prep Batch.	39345	Sample Preparation.	2008-02-18	Prepared By·	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**3510**		mg/Kg	500	1 00

Sample: 150813 - 2-2'-Spl

Analysis·	TPH DRO	Analytical Method:	Mod 8015B	Prep Method:	N/A
QC Batch·	45679	Date Analyzed:	2008-02-18	Analyzed By	LD
Prep Batch·	39332	Sample Preparation	2008-02-18	Prepared By	LD

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**139**		mg/Kg	1	50 0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		129	mg/Kg	1	100	129	39 1 - 137 7

Sample: 150813 - 2-2'-Spl

Analysis:	TPH GRO	Analytical Method	S 8015B	Prep Method	S 5035
QC Batch	45689	Date Analyzed	2008-02-18	Analyzed By:	DC
Prep Batch·	39337	Sample Preparation·	2008-02-18	Prepared By:	DC

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**77.8**		mg/Kg	10	1 00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10.2	mg/Kg	10	10 0	102	70 - 130
4-Bromofluorobenzene (4-BFB)		10.6	mg/Kg	10	10 0	106	70 - 130

Sample: 150814 - 2-3'-Spl

Analysis	Chloride (IC)	Analytical Method	E 300.0	Prep Method:	N/A
QC Batch:	45695	Date Analyzed:	2008-02-19	Analyzed By:	AR
Prep Batch:	39345	Sample Preparation:	2008-02-18	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**2430**		mg/Kg	100	1 00

Sample: 150814 - 2-3'-Spl

Analysis	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	45679	Date Analyzed:	2008-02-18	Analyzed By	LD
Prep Batch	39332	Sample Preparation	2008-02-18	Prepared By	LD

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		88 8	mg/Kg	1	100	89	39 1 - 137 7

Sample: 150814 - 2-3'-Spl

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method	S 5035
QC Batch	45689	Date Analyzed:	2008-02-18	Analyzed By:	DC
Prep Batch.	39337	Sample Preparation:	2008-02-18	Prepared By	DC

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	B	**1.08**		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.953	mg/Kg	1	1.00	95	70 - 130
4-Bromofluorobenzene (4-BFB)		1 00	mg/Kg	1	1.00	100	70 - 130

Method Blank (1) QC Batch: 45679

QC Batch:	45679	Date Analyzed:	2008-02-18	Analyzed By	LD
Prep Batch	39332	QC Preparation:	2008-02-18	Prepared By	LD

Parameter	Flag	MDL Result	Units	RL
DRO		<14.6	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		131	mg/Kg	1	100	131	33.3 - 157 4

Method Blank (1) QC Batch: 45689

QC Batch 45689 Date Analyzed: 2008-02-18 Analyzed By: DC
Prep Batch: 39337 QC Preparation: 2008-02-18 Prepared By DC

Parameter	Flag	MDL Result	Units	RL
GRO		0 790	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0 990	mg/Kg	1	1.00	99	70 - 130
4-Bromofluorobenzene (4-BFB)		1 02	mg/Kg	1	1 00	102	70 - 130

Method Blank (1) QC Batch: 45693

QC Batch: 45693 Date Analyzed: 2008-02-18 Analyzed By. DC
Prep Batch: 39337 QC Preparation: 2008-02-18 Prepared By: DC

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00300	mg/Kg	0.01
Toluene		<0 00300	mg/Kg	0 01
Ethylbenzene		<0.00400	mg/Kg	0 01
Xylene		<0.0140	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1 03	mg/Kg	1	1 00	103	70 - 130
4-Bromofluorobenzene (4-BFB)		1 03	mg/Kg	1	1.00	103	70 - 130

Matrix Blank (1) QC Batch 45695

QC Batch. 45695 Date Analyzed 2008-02-19 Analyzed By: AR
Prep Batch 39345 QC Preparation: 2008-02-18 Prepared By. AR

Parameter	Flag	MDL Result	Units	RL
Chloride		0 816	mg/Kg	1

Laboratory Control Spike (LCS-1)

QC Batch 45679 Date Analyzed 2008-02-18 Analyzed By LD
Prep Batch 39332 QC Preparation 2008-02-18 Prepared By LD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec. Limit
DRO	274	mg/Kg	1	250	<14.6	110	48.1 - 140.9

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec Limit	RPD	RPD Limit
DRO	312	mg/Kg	1	250	<14 6	125	48 1 - 140 9	13	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil	Spike Amount	LCS Rec	LCSD Rec	Rec. Limit
n-Triacontane	117	133	mg/Kg	1	100	117	133	42 1 - 138.9

Laboratory Control Spike (LCS-1)

QC Batch 45689 | Date Analyzed· 2008-02-18 | Analyzed By DC
Prep Batch 39337 | QC Preparation: 2008-02-18 | Prepared By. DC

Param	LCS Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec Limit
GRO	8.94	mg/Kg	1	10 0	0.79	89	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec Limit	RPD	RPD Limit
GRO	8.95	mg/Kg	1	10.0	0 79	90	70 - 130	0	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Surrogate	LCS Result	LCSD Result	Units	Dil	Spike Amount	LCS Rec	LCSD Rec	Rec. Limit
Trifluorotoluene (TFT)	1.00	1 01	mg/Kg	1	1 00	100	101	70 - 130
4-Bromofluorobenzene (4-BFB)	1 06	1.07	mg/Kg	1	1 00	106	107	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch 45693 | Date Analyzed· 2008-02-18 | Analyzed By: DC
Prep Batch· 39337 | QC Preparation 2008-02-18 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec Limit
Benzene	0 983	mg/Kg	1	1 00	<0.00300	98	70 - 130
Toluene	0 984	mg/Kg	1	1 00	<0 00300	98	70 - 130
Ethylbenzene	0 994	mg/Kg	1	1 00	<0 00400	99	70 - 130
Xylene	2 97	mg/Kg	1	3.00	<0.0140	99	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Param	LCSD Result	Units	Dil	Spike Amount	Matrix Result	Rec	Rec Limit	RPD	RPD Limit
Benzene	1.01	mg/Kg	1	1 00	<0 00300	101	70 - 130	3	20

continued .

control spikes continued

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec. Limit	RPD	RPD Limit
Toluene	1 01	mg/Kg	1	1 00	<0 00300	101	70 - 130	3	20
Ethylbenzene	1.02	mg/Kg	1	1 00	<0 00400	102	70 - 130	3	20
Xylene	3 05	mg/Kg	1	3 00	<0 0140	102	70 - 130	3	20

Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result

Surrogate	LCS Result	LCSD Result	Units	Dil	Spike Amount	LCS Rec	LCSD Rec	Rec. Limit
Trifluorotoluene (TFT)	1.04	1 04	mg/Kg	1	1 00	104	104	70 - 130
4-Bromofluorobenzene (4-BFB)	1.05	1 05	mg/Kg	1	1 00	105	105	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch 45695 | Date Analyzed: 2008-02-19 | Analyzed By: AR
Prep Batch: 39345 | QC Preparation: 2008-02-18 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec Limit
Chloride	12 7	mg/Kg	1	12.5	<0 0222	101	90 - 110

Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil	Spike Amount	Matrix Result	Rec	Rec Limit	RPD	RPD Limit
Chloride	12.4	mg/Kg	1	12 5	<0 0222	100	90 - 110	2	

Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 150813

QC Batch: 45679 | Date Analyzed: 2008-02-18 | Analyzed By: LD
Prep Batch: 39332 | QC Preparation: 2008-02-18 | Prepared By LD

Param	MS Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	281	mg/Kg	1	250	139	57	35.6 - 173.6

Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result

Param	MSD Result	Units	Dil	Spike Amount	Matrix Result	Rec	Rec Limit	RPD	RPD Limit
DRO [2]	406	mg/Kg	1	250	139	107	35 6 - 173 6	36	20

Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result

Surrogate	MS Result	MSD Result	Units	Dil	Spike Amount	MS Rec.	MSD Rec	Rec Limit
n-Triacontane	99 4	99 6	mg/Kg	1	100	99	100	33 - 156 2

[2]MS/MSD RPD out of RPD Limits Use LCS/LCSD to demonstrate analysis is under control

Matrix Spike (MS-1) Spiked Sample. 150814

QC Batch 45689 | Date Analyzed: 2008-02-18 | Analyzed By: DC
Prep Batch: 39337 | QC Preparation 2008-02-18 | Prepared By. DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	11.0	mg/Kg	1	10.0	1.0767	99	70 - 130

Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result

Param	MSD Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec Limit	RPD	RPD Limit
GRO	12 4	mg/Kg	1	10 0	1.0767	113	70 - 130	12	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Surrogate	MS Result	MSD Result	Units	Dil	Spike Amount	MS Rec	MSD Rec	Rec Limit
Trifluorotoluene (TFT)	0 851	0.977	mg/Kg	1	1	85	98	70 - 130
4-Bromofluorobenzene (4-BFB)	1.06	1.06	mg/Kg	1	1	106	106	70 - 130

Matrix Spike (MS-1) Spiked Sample 150805

QC Batch. 45693 | Date Analyzed: 2008-02-18 | Analyzed By: DC
Prep Batch· 39337 | QC Preparation. 2008-02-18 | Prepared By. DC

Param	MS Result	Units	Dil	Spike Amount	Matrix Result	Rec	Rec. Limit
Benzene	1.10	mg/Kg	1	1.00	<0.00300	110	70 - 130
Toluene	1.12	mg/Kg	1	1.00	0 0096	111	70 - 130
Ethylbenzene	1.14	mg/Kg	1	1.00	<0 00400	114	70 - 130
Xylene	3.39	mg/Kg	1	3 00	<0 0140	113	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil	Spike Amount	Matrix Result	Rec	Rec. Limit	RPD	RPD Limit
Benzene	[3]	2.54	mg/Kg	1	1.00	<0 00300	254	70 - 130	79	20
Toluene	[4]	2 60	mg/Kg	1	1 00	0 0096	259	70 - 130	80	20
Ethylbenzene	[5]	2 65	mg/Kg	1	1.00	<0 00400	265	70 - 130	80	20
Xylene	[6]	8.11	mg/Kg	1	3.00	<0 0140	270	70 - 130	82	20

Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec	Rec. Limit
Trifluorotoluene (TFT)	1.09	1.03	mg/Kg	1	1	109	103	70 - 130
4-Bromofluorobenzene (4-BFB)	1.06	1 06	mg/Kg	1	1	106	106	70 - 130

[3]Sample double spiked Use LCS/LCSD to show method is in control •
[4]Sample double spiked Use LCS/LCSD to show method is in control •
[5]Sample double spiked Use LCS/LCSD to show method is in control •
[6]Sample double spiked Use LCS/LCSD to show method is in control •

Matrix Spike (MS-1) Spiked Sample· 150861

QC Batch: 45695 | Date Analyzed: 2008-02-19 | Analyzed By: AR
Prep Batch: 39345 | QC Preparation: 2008-02-18 | Prepared By AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	314	mg/Kg	5	62 5	257.59	90	90 - 110

Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec Limit	RPD	RPD Limit
Chloride	323	mg/Kg	5	62 5	257.59	105	90 - 110	3	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Standard (ICV-1)

QC Batch: 45679 | Date Analyzed: 2008-02-18 | Analyzed By LD

Param	Flag	Units	ICVs True Conc	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	274	110	85 - 115	2008-02-18

Standard (CCV-1)

QC Batch. 45679 | Date Analyzed· 2008-02-18 | Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	274	110	85 - 115	2008-02-18

Standard (ICV-1)

QC Batch: 45689 | Date Analyzed 2008-02-18 | Analyzed By· DC

Param	Flag	Units	ICVs True Conc	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1 00	1.13	113	85 - 115	2008-02-18

Standard (CCV-1)

QC Batch: 45689 | Date Analyzed 2008-02-18 | Analyzed By DC

Param	Flag	Units	CCVs True Conc	CCVs Found Conc	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1 00	1 13	113	85 - 115	2008-02-18

Standard (ICV-1)

QC Batch 45693 Date Analyzed: 2008-02-18 Analyzed By: DC

Param	Flag	Units	ICVs True Conc	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0939	94	85 - 115	2008-02-18
Toluene		mg/Kg	0 100	0 0948	95	85 - 115	2008-02-18
Ethylbenzene		mg/Kg	0 100	0 0966	97	85 - 115	2008-02-18
Xylene		mg/Kg	0 300	0 288	96	85 - 115	2008-02-18

Standard (CCV-1)

QC Batch: 45693 Date Analyzed: 2008-02-18 Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0 108	108	85 - 115	2008-02-18
Toluene		mg/Kg	0 100	0.108	108	85 - 115	2008-02-18
Ethylbenzene		mg/Kg	0 100	0 108	108	85 - 115	2008-02-18
Xylene		mg/Kg	0.300	0.322	107	85 - 115	2008-02-18

Standard (ICV-1)

QC Batch: 45695 Date Analyzed: 2008-02-19 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12 4	99	90 - 110	2008-02-19

Standard (CCV-1)

QC Batch 45695 Date Analyzed 2008-02-19 Analyzed By AR

Param	Flag	Units	CCVs True Conc	CCVs Found Conc	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12 5	12 2	98	90 - 110	2008-02-19

LAB Order ID # 802-1530 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (806) 794-1296, Fax (806) 794-1298, 1 (800) 378-1296
5002 Basin Street, Suite A1, Midland, Texas 79703, Tel (432) 689-6301, Fax (432) 689-6313
200 East Sunset Rd., Suite E, El Paso, Texas 79922, Tel (915) 585-3443, Fax (915) 585-4944, 1 (888) 588-3443
8808 Camp Bowie Blvd. West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: BTA Oil Producers, LLC
Phone #: 432-553-5352
Address (Street, City, Zip): 104 S. Pecos
Fax #: 432-683-0325
Contact Person: Skip Baca
E-mail: sherry.harlan@state.NM.US / sbaca@btaoil.com
Invoice to: (If different from above) BTA
Project #
Project Name: Skip Baca Pardue SWD Battery
Project Location (including state): 20 SE Carlsbad, NM
Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
150812	1-1'-Spl	1	4 oz		X							X		2/15/08	10:00a
813	2-2'-Spl	1	"		"							"		"	10:09A
814	~~2~~ 2-3'-Spl	1	"		"							"		"	10:14A

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Chlorides	Turn Around Time if different from standard	Hold
		X																	
																X			

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:
Skip Baca	BTA	2/15	3:10p		TRACE	2/15/08	15:05	3.5°C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
3.5
Log-In-Review

REMARKS:
BTEX on Highest Spl.
All tests - Midland
- [ ] Dry Weight Basis Required
- [ ] TRRP Report Required
- [ ] Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C

Carrier # Courier

ORIGINAL COPY

Summary Report

Skip Baca
BTA Oil Producers
104 S Pecos
Midland, TX, 79701

Report Date: March 21, 2008

Work Order: 8032010

Project Location: 20 miles SE Carlsbad, NM
Project Name: Pardue SWD Battery
Project Number: ENV 2008-025

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
154147	North-1 @ 1'	soil	2008-03-19	11 00	2008-03-19
154148	South-2 @ 1'	soil	2008-03-19	11 10	2008-03-19
154149	East-3 @ 1'	soil	2008-03-19	11:22	2008-03-19
154150	West-4 @ 1'	soil	2008-03-19	11.30	2008-03-19

Sample: 154147 - North-1 @ 1'

Param	Flag	Result	Units	RL
Chloride		**3110**	mg/Kg	2.00

Sample: 154148 - South-2 @ 1'

Param	Flag	Result	Units	RL
Chloride		**1190**	mg/Kg	2 00

Sample: 154149 - East-3 @ 1'

Param	Flag	Result	Units	RL
Chloride		**898**	mg/Kg	2.00

Sample: 154150 - West-4 @ 1'

Param	Flag	Result	Units	RL
Chloride		**2540**	mg/Kg	2 00

TRACEANALYSIS, INC.

Analytical and Quality Control Report

Skip Baca
BTA Oil Producers
104 S Pecos
Midland, TX, 79701

Report Date March 21, 2008

Work Order: 8032010

Project Location. 20 miles SE Carlsbad, NM
Project Name. Pardue SWD Battery
Project Number. ENV 2008-025

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
154147	North-1 @ 1'	soil	2008-03-19	11:00	2008-03-19
154148	South-2 @ 1'	soil	2008-03-19	11:10	2008-03-19
154149	East-3 @ 1'	soil	2008-03-19	11:22	2008-03-19
154150	West-4 @ 1'	soil	2008-03-19	11:30	2008-03-19

These results represent only the samples received in the laboratory The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Blair Leftwich

Dr Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank

Analytical Report

Sample: 154147 - North-1 @ 1'

Analysis	Chloride (Titration)	Analytical Method	SM 4500-Cl B	Prep Method:	N/A
QC Batch	46705	Date Analyzed:	2008-03-20	Analyzed By:	AR
Prep Batch	40179	Sample Preparation	2008-03-20	Prepared By	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**3110**		mg/Kg	50	2.00

Sample: 154148 - South-2 @ 1'

Analysis.	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch	46705	Date Analyzed:	2008-03-20	Analyzed By:	AR
Prep Batch:	40179	Sample Preparation:	2008-03-20	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**1190**		mg/Kg	50	2.00

Sample: 154149 - East-3 @ 1'

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch	46705	Date Analyzed:	2008-03-20	Analyzed By:	AR
Prep Batch:	40179	Sample Preparation:	2008-03-20	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**898**		mg/Kg	50	2.00

Sample: 154150 - West-4 @ 1'

Analysis	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method	N/A
QC Batch:	46705	Date Analyzed.	2008-03-20	Analyzed By	AR
Prep Batch	40179	Sample Preparation.	2008-03-20	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**2540**		mg/Kg	50	2.00

Method Blank (1) QC Batch 46705

QC Batch	46705	Date Analyzed	2008-03-20	Analyzed By:	AR
Prep Batch	40179	QC Preparation	2008-03-20	Prepared By:	AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Laboratory Control Spike (LCS-1)

QC Batch: 46705 | Date Analyzed: 2008-03-20 | Analyzed By: AR
Prep Batch: 40179 | QC Preparation: 2008-03-20 | Prepared By: AR

Param	LCS Result	Units	Dil	Spike Amount	Matrix Result	Rec	Rec Limit
Chloride	103	mg/Kg	1	100	<0.500	103	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec. Limit	RPD	RPD Limit
Chloride	102	mg/Kg	1	100	<0.500	102	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 154151

QC Batch: 46705 | Date Analyzed: 2008-03-20 | Analyzed By: AR
Prep Batch: 40179 | QC Preparation: 2008-03-20 | Prepared By: AR

Param	MS Result	Units	Dil	Spike Amount	Matrix Result	Rec	Rec. Limit
Chloride	5120	mg/Kg	50	5000	<25.0	102	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	5020	mg/Kg	50	5000	<25.0	100	85 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 46705 | Date Analyzed: 2008-03-20 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2008-03-20

Standard (CCV-1)

QC Batch: 46705 | Date Analyzed: 2008-03-20 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98 8	99	85 - 115	2008-03-20

LAB Order ID # 8032010 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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Fax (915) 585-4944
1 (888) 588-3443

8808 Camp Bowie Blvd West, Suite 180
Ft Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Company Name: BTA Oil Producers, LLC
Phone #: (432) 553-5352
Address (Street, City, Zip): 104 S. Pecos
Fax #: (432) 683-0325
Contact Person: Skip Baca
E-mail: sbaca@btaoil.com
Invoice to: (If different from above)
Project #: ENV 2008-025
Project Name: Pardue SWD
Project Location (including state): 20 miles SE of Carlsbad, N. MEX
Sampler Signature: Skip Baca

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
5447	North-1@1'	1	4oz		X							X		3/19/08	11:00
148	South-2@1'	"	"		"							"		"	11:10
149	East-3@1'	"	"		"							"		"	11:22
150	West-4@1'	"	"		"							"		"	11:30

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624	
BTEX 8021B / 602 / 8260B / 624	
TPH 418.1 / TX1005 / TX1005 Ext(C35)	
TPH 8015 GRO / DRO / TVHC	
PAH 8270C / 625	
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
TCLP Pesticides	
RCI	
GC/MS Vol 8260B / 624	
GC/MS Semi Vol 8270C / 625	
PCB's 8082 / 608	
Pesticides 8081A / 608	
BOD, TSS, pH	
Moisture Content	Chlorides
Turn Around Time if different from standard	
Hold	

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Skip Baca	BTA	3/19/08	5:02p		Trace	3/19/08	17:02	3.0 C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time.	Temp°c:

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
3.0
Log-In-Review JS

REMARKS:
All tests - Midland

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # carry-in

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Appendix B

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-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒
Type of action Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator BTA Oil Producers Telephone 432-682-3753 e-mail address sbaca@btaoil com
Address 104 S Pecos St
Facility or well name Pardue SWD Injection Facility API # 30-015-26341 U/L or Qtr/Qtr NE/4, NE/4 Sec 11 T 23S R 28E
County Eddy Latitude 32° 18 771 N Longitude 104°03 633 NAD 1927 ☒ 1983 ☐
Surface Owner Federal ☐ State ☒ Private ☐ Indian ☐

Pit	**Below-grade tank**
Type Drilling ☐ Production ☐ Disposal ☒ Workover ☐ Emergency ☐ Lined ☐ Unlined ☒ Liner type Synthetic ☐ Thickness ____mil Clay ☐ Pit Volume 758 bbl	Volume ____bbl Type of fluid ____ Construction material ____ Double-walled, with leak detection? Yes ☐ If not, explain why not ____

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water) 15-feet	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points)	20 point
Wellhead protection area (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources)	Yes No	(20 points) (0 points)	20 points
Distance to surface water (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points)	20 points
	Ranking Score (Total Points)		60 points

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks (2) Indicate disposal location (check the onsite box if your are burying in place) onsite ☐ offsite ☒ If offsite, name of facility CRI (3) Attach a general description of remedial action taken including remediation start date and end date (4) Groundwater encountered No ☒ Yes ☐ If yes, show depth below ground surface ____ft and attach sample results
(5) Attach soil sample results and a diagram of sample locations and excavations

Additional Comments See Figure 2 for sample locations

I hereby certify that the information above is true and complete to the best of my knowledge and belief **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☒.**

Date 3/20/08
Printed Name/Title Joseph A. Baca Signature Joseph A. Baca

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations

Approval
Accepted for record
NMOCD
Printed Name/Title ____ Signature ____ Date 4-7-08