

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMSF078243

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

8. Well Name and No.  
OWENS 1A

9. API Well No.  
30-045-30130-00-S1

10. Field and Pool, or Exploratory  
BLANCO MESAVERDE

11. County or Parish, and State  
SAN JUAN COUNTY, NM

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
XTO ENERGY INC  
Contact: SHERRY J MORROW  
E-Mail: sherry\_morrow@xtoenergy.com

3a. Address  
382 ROAD 3100  
AZTEC, NM 87410  
3b. Phone No. (include area code)  
Ph: 505-333-3630

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 7 T31N R12W NESW 1975FSL 1980FWL  
36.912117 N Lat, 108.139221 W Lon

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other
CS	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

XTO Energy Inc. has attached a Remediation Plan for the spill that occurred on this location on 6/23/14. This remediation plan will be executed immediately upon your approval.

If you have any questions or concerns please contact James McDaniel at 505-333-3100.

OIL CONS. DIV DIST. 3

JUN 30 2014

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #250880 verified by the BLM Well Information System  
For XTO ENERGY INC, sent to the Farmington  
Committed to AFMSS for processing by MARK KELLY on 06/26/2014 (14MXK0174SE)**

Name (Printed/Typed) SHERRY J MORROW	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 06/25/2014

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <u>MARK KELLY</u>	Title <u>BRANCH CHIEF ENVIRONMENTAL PROTECT</u>	Date <u>02/26/2014</u>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

NMOCOD



Ketcham, Shari &lt;sketcham@blm.gov&gt;

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**Owens #1A Remediation Plan**

4 messages

**Morrow, Sherry** <Sherry\_Morrow@xtoenergy.com>

Wed, Jun 25, 2014 at 4:35 PM

To: "sketcham@blm.gov" &lt;sketcham@blm.gov&gt;, "mkelly@blm.gov" &lt;mkelly@blm.gov&gt;

Due to having a deadline, I just wanted to make sure you knew that I had submitted a Remediation Plan for the spill that occurred on the Owens #1A on 6/23/14. I know that James McDaniel has been in contact with your office. I submitted the NOI on the BLM WIS.

Thank you,

Sherry Morrow

Lead Regulatory Analyst

XTO Energy Inc.

San Juan District, Western Division

382 CR 3100, Aztec, NM 87410

sherry\_morrow@xtoenergy.com

Office (505) 333-3630 Cell (505) 215-2409

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**Kelly, Mark** <mkelly@blm.gov>

Thu, Jun 26, 2014 at 6:02 AM

To: Shari Ketcham &lt;sketcham@blm.gov&gt;

**Mark Kelly**

Branch Chief, Environmental Protection

Office: 505-564-7710

Cell: 505-320-4178

mkelly@blm.gov

----- Forwarded message -----

From: **McDaniel, James** <James\_McDaniel@xtoenergy.com>

Date: Wed, Jun 25, 2014 at 3:47 PM

Subject: Owens #1A Remediation Plan

To: "Mark Kelly (Mark\_Kelly@blm.gov)" <Mark\_Kelly@blm.gov>

Cc: "Naegele, Seraiah" <Seraiah\_Naegele@xtoenergy.com>, "Hixon, Logan" <Logan\_Hixon@xtoenergy.com>, "Nee, Martin" <Martin\_Nee@xtoenergy.com>

Mark,

Per the BLM presentation at the NMOGA Public Lands Meeting, we have submitted a sundry with a remediation plan for a spill at the Owens #1A for approval. We will awaiting approval before beginning remediation activities.

Thanks

"Safety takes time, take the time to be safe" (PL)

James McDaniel

EH&S Supervisor

XTO Energy Inc.

382 Road 3100

Aztec, New Mexico 87410

Phone: 505.333.3701 | Mobile: 505.787.0519

james\_mcdaniel@xtoenergy.com<mailto:james\_mcdaniel@xtoenergy.com>

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 winmail.dat  
6K

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**Kelly, Mark** <mkelly@blm.gov>  
To: Shari Ketcham <sketcham@blm.gov>

Thu, Jun 26, 2014 at 6:03 AM

**Mark Kelly**

Branch Chief, Environmental Protection

Office: 505-564-7710

Cell: 505-320-4178

mkelly@blm.gov

----- Forwarded message -----

From: **Morrow, Sherry** <Sherry\_Morrow@xtoenergy.com>

Date: Wed, Jun 25, 2014 at 4:35 PM

Subject: Owens #1A Remediation Plan

[Quoted text hidden]

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**Ketcham, Shari** <sketcham@blm.gov>  
To: "Morrow, Sherry" <Sherry\_Morrow@xtoenergy.com>, "McDaniel, James" <James\_McDaniel@xtoenergy.com>  
Cc: "mkelly@blm.gov" <mkelly@blm.gov>

Thu, Jun 26, 2014 at 10:17 AM

As per our phone conversation this morning, a landfarm will not fit on this location; however, BLM has approved the remediation of impacted soil with use of a bio-pile for 2 weeks. No extension will be granted. If soil samples taken in 2 weeks are over regulatory standards, then the bio-pile will need to be hauled off the location.

Thank you!

Shari Ketcham  
Natural Resource Specialist, Spills Biologist  
BLM Farmington Field Office  
6251 College Blvd Suite A  
Farmington, NM 87402  
Office: (505) 564-7713  
Fax: (505) 564-7607

[Quoted text hidden]



Owens #1A

API # 30-045-30130

Unit K, Section 7, Township 31N, Range 12W

San Juan County, New Mexico

Lat: 36.91211 Long: -108.139220

Remediation Plan

Submitted By:

James McDaniel

EH&S Supervisor

XTO Energy, Inc.

505-333-3701

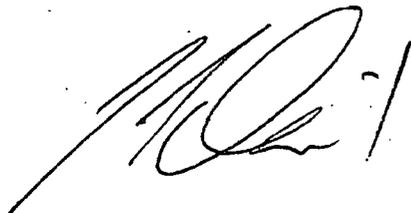
## Introduction

On June 23, 2014, a loss of approximately 80 bbls of production fluids was discovered at the Owens #1A well site. Approximately 42 bbls of condensate, and 38 bbls of produced water was lost from the on-site production tank through a hole in the tank. All fluids were contained within the bermed area, and soaked into the ground beneath the tank berm. No fluids were recovered. The site was then ranked a zero pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases, setting the closure standards for this location to 5,000 ppm total petroleum hydrocarbons (TPH), 10 ppm Benzene, and 50 ppm total BTEX. The required 24 hour notice was made to Cory Smith with the NMOCD on June 24<sup>th</sup>, 2014. Samples were collected to determine the extent of the impacted soil from 2', 4' and 6' below ground surface. All three samples returned results above the 50 ppm BTEX standard, determining that excavation activities would need to be performed. The production tank has been cleaned and moved in preparation for excavation activities.

## Proposed Remediation Activity

XTO proposes to excavate the impacted materials to extents of the NMOCD Standards of 5,000 ppm TPH, 10 ppm benzene and 50 ppm total BTEX, as determined by laboratory analysis. Estimated impacted soil is estimated at between 100-150 cubic yards at this time. Due to the relatively low levels of TPH compared to the BTEX constituents in the sample results, XTO proposes to remediate the impacted soil on-site in a bio-pile or landfarm in order to re-use the soils for backfill purposes. Based on the temperature and the volatile nature of the constituents, XTO believes that the light range hydrocarbons will flash off quickly, leaving behind only the heavier, less mobile hydrocarbons. XTO proposes to turn the bio-pile or landfarm 3-4 times, allowing the sun to remediate the soil, and resample for TPH, Benzene and BTEX. Should the impacted soils achieve results below the closure standards determined for this location of 5,000 ppm TPH, 10 ppm benzene and 50 ppm BTEX, the remediated soil would be used for backfill of the spill excavation area. If the closure levels cannot be achieved in a maximum time of two week, then the soil would be hauled off for disposal, with clean backfill being brought in. Preliminary sample results, a topographic map, and a facility diagram are attached with this plan for your reference.

Please consider this remediation plan the proposal for remediation activities at the Owens #1A well site. XTO is prepared to execute this remediation plan immediately upon approval.



James McDaniel, CHMM #15676  
EH&S Supervisor  
XTO Energy, Inc.  
Western Division





## Analytical Report

### Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 0069

Samples Received: 6/24/2014 1:50:00PM

Job Number: 98031-0528

Work Order: P406101

Project Name/Location: Owens 1A

Entire Report Reviewed By:

**Draft**

Date: 6/25/14

\_\_\_\_\_  
Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.





XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Owens 1A Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 25-Jun-14 09:49
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**Analytical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
NE 12"	P406101-01A	Soil	06/24/14	06/24/14	Glass Jar, 4 oz.
W 2'	P406101-02A	Soil	06/24/14	06/24/14	Glass Jar, 4 oz.
W 6'	P406101-03A	Soil	06/24/14	06/24/14	Glass Jar, 4 oz.

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Ph (970) 259-0615 Fr (800) 362-1879





XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Owens 1A Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 25-Jun-14 09:49
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**DRAFT: NE 12"  
P406101-01 (Solid)**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						

**DRAFT: Volatile Organics by EPA 8021**

Benzene	2.08	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	55.6	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	26.1	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	244	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	62.7	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
<i>Surrogate: Bromochlorobenzene</i>		139 %		80-120	1426009	06/24/14	06/24/14	EPA 8021B	S-02
<i>Surrogate: 1,3-Dichlorobenzene</i>		629 %		80-120	1426009	06/24/14	06/24/14	EPA 8021B	S-02

**DRAFT: Nonhalogenated Organics by 8015**

Gasoline Range Organics (C6-C10)	1380	4.99	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	109	30.0	mg/kg	1	1426010	06/24/14	06/24/14	EPA 8015D	

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Owens 1A Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 25-Jun-14 09:49
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**DRAFT: W 2'**  
**P406101-02 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**DRAFT: Volatile Organics by EPA 8021**

Benzene	6.48	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	126	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	39.1	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	350	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	88.3	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
<i>Surrogate: Bromochlorobenzene</i>		132 %		80-120	1426009	06/24/14	06/24/14	EPA 8021B	S-02
<i>Surrogate: 1,3-Dichlorobenzene</i>		621 %		80-120	1426009	06/24/14	06/24/14	EPA 8021B	S-02

**DRAFT: Nonhalogenated Organics by 8015**

Gasoline Range Organics (C6-C10)	2020	4.99	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	1270	30.0	mg/kg	1	1426010	06/24/14	06/24/14	EPA 8015D	

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Owens 1A Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 25-Jun-14 09:49
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**DRAFT: W 6'**  
**P406101-03 (Solid)**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>DRAFT: Volatile Organics by EPA 8021</b>									
Benzene	10.4	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	194	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	57.4	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	470	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	133	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
<i>Surrogate: 1,3-Dichlorobenzene</i>		992 %		80-120	1426009	06/24/14	06/24/14	EPA 8021B	S-02
<i>Surrogate: Bromochlorobenzene</i>		445 %		80-120	1426009	06/24/14	06/24/14	EPA 8021B	S-02
<b>DRAFT: Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	2710	5.00	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	2320	29.9	mg/kg	1	1426010	06/24/14	06/24/14	EPA 8015D	

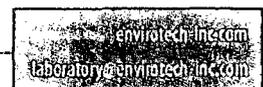
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Owens 1A Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 25-Jun-14 09:49
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**DRAFT: Volatile Organics by EPA 8021 - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1426009 - Purge and Trap EPA 5030A**

<b>Blank (1426009-BL.K1)</b>		Prepared & Analyzed: 24-Jun-14								
Benzene	ND	0.001	mg/kg							
Toluene	ND	0.001	"							
Ethylbenzene	ND	0.001	"							
p,m-Xylene	ND	0.001	"							
o-Xylene	ND	0.001	"							
Total Xylenes	ND	0.001	"							
Total BTEX	ND	0.001	"							
Surrogate: 1,3-Dichlorobenzene	55.1		ug/L	50.0		110	80-120			
Surrogate: Bromochlorobenzene	56.3		"	50.0		113	80-120			

<b>Duplicate (1426009-DUP1)</b>		Source: P406093-01		Prepared & Analyzed: 24-Jun-14						
Benzene	ND	0.05	mg/kg		ND					30
Toluene	ND	0.05	"		ND					30
Ethylbenzene	ND	0.05	"		ND					30
p,m-Xylene	ND	0.05	"		ND					30
o-Xylene	ND	0.05	"		ND					30
Surrogate: 1,3-Dichlorobenzene	59.2		ug/L	50.0		118	80-120			
Surrogate: Bromochlorobenzene	62.2		"	50.0		124	80-120			S-02

<b>Matrix Spike (1426009-MS1)</b>		Source: P406093-01		Prepared & Analyzed: 24-Jun-14						
Benzene	52.7		ug/L	50.0	ND	105	39-150			
Toluene	53.2		"	50.0	ND	106	46-148			
Ethylbenzene	51.9		"	50.0	ND	104	32-160			
p,m-Xylene	106		"	100	ND	106	46-148			
o-Xylene	53.2		"	50.0	ND	106	46-148			
Surrogate: 1,3-Dichlorobenzene	57.6		"	50.0		115	80-120			
Surrogate: Bromochlorobenzene	60.2		"	50.0		120	80-120			

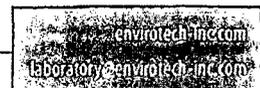
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Owens IA Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 25-Jun-14 09:49
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**DRAFT: Nonhalogenated Organics by 8015 - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1426009 - Purge and Trap EPA 5030A**

<b>Blank (1426009-BLK1)</b>		Prepared & Analyzed: 24-Jun-14								
Gasoline Range Organics (C6-C10)	ND	0.10	mg/kg							
<b>Duplicate (1426009-DUP1)</b>		Source: P406093-01		Prepared & Analyzed: 24-Jun-14						
Gasoline Range Organics (C6-C10)	7.59	4.99	mg/kg		ND				30	
<b>Matrix Spike (1426009-MS1)</b>		Source: P406093-01		Prepared & Analyzed: 24-Jun-14						
Gasoline Range Organics (C6-C10)	0.46		mg/l.	0.450	ND	102	75-125			

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Owens 1A Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 25-Jun-14 09:49
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**DRAFT: Nonhalogenated Organics by 8015 - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1426010 - DRO Extraction EPA 3550C</b>										
<b>Blank (1426010-BLK1)</b> Prepared & Analyzed: 24-Jun-14										
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
<b>Duplicate (1426010-DUP1)</b> Source: P406093-01 Prepared & Analyzed: 24-Jun-14										
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg		ND				30	
<b>Matrix Spike (1426010-MS1)</b> Source: P406093-01 Prepared & Analyzed: 24-Jun-14										
Diesel Range Organics (C10-C28)	279		mg/l.	250	6.00	109	75-125			

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Owens 1A Project Number: 98031-0528 Project Manager: Logan Hixon	Reported: 25-Jun-14 09:49
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**Notes and Definitions**

- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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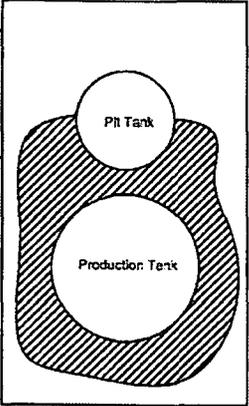
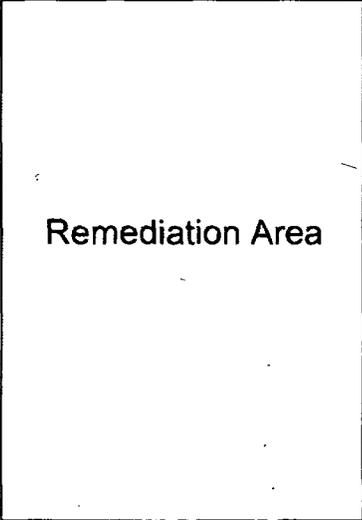
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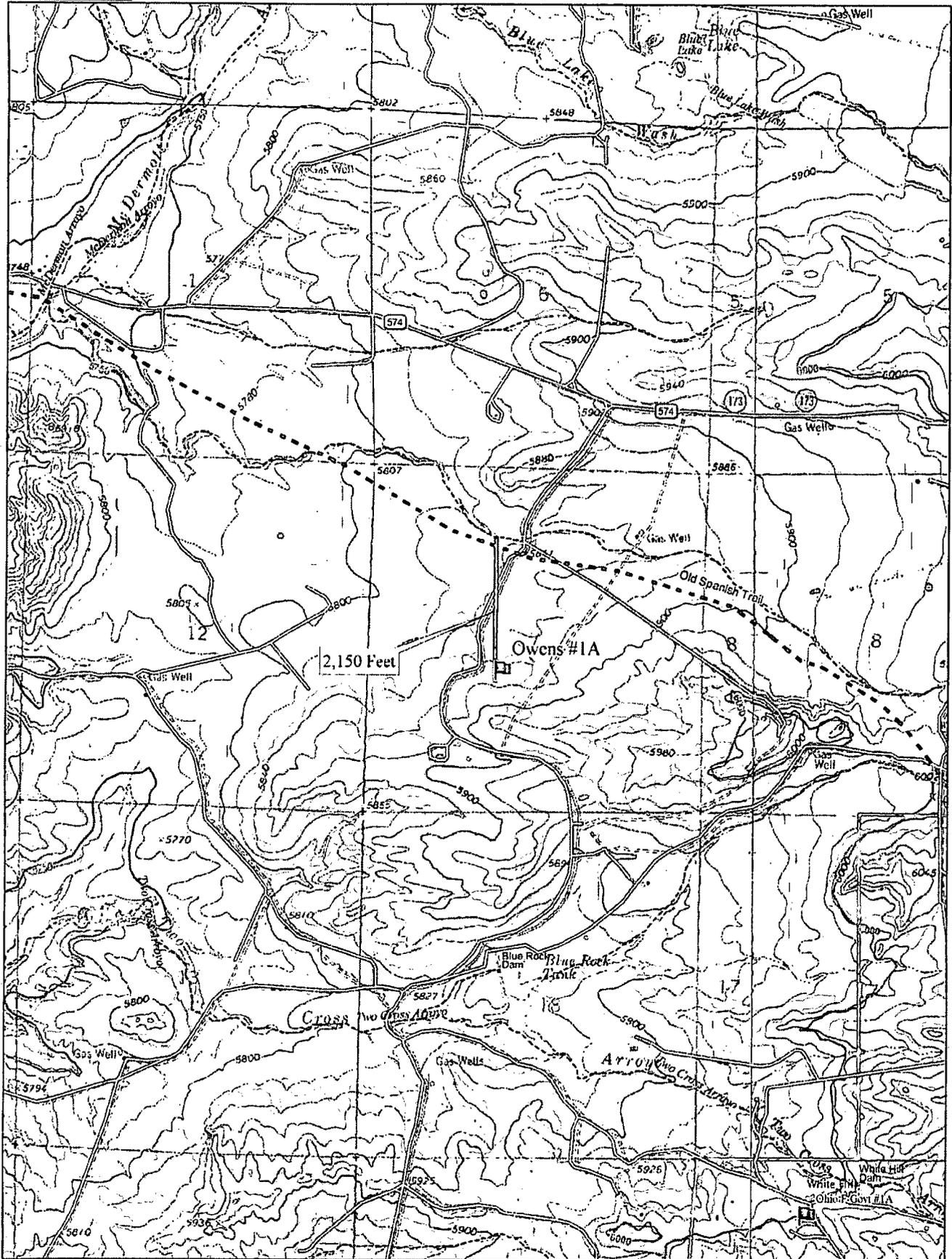
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