



AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pCOH0808037376

1RP - 1819

SOUTHERN UNION GAS COMPANY

2/12/2016

Leking, Geoffrey R, EMNRD

From: Joel Lowry <jwlowry@basinenv.com>
Sent: Thursday, November 08, 2012 12:11 PM
To: Leking, Geoffrey R, EMNRD
Subject: Abbreviated Work Plans for Soil Boring
Attachments: Trunk_O_2_Environmental_Site_Summary.pdf; Trunk_O_1_Environmental_Site_Summary.pdf; Trunk_M2_Drip_Tanks_1819_Environmental_Site_Summary.pdf

Mr. Leking,

Please find attached abbreviated work plans Basin has prepared to meet the requirements for the drilling permit application. They are similar to the ones I gave you during our last meeting. I have already given copies to our driller and am in the process of attaining Land Owner Access agreements. We are hoping to begin advancing soil bores and/or installing monitor wells as soon as possible. Depending on the turn around time with the land owners and the State, I realize it could still be another month or more. I just wanted to get these to you so that you would have copies of them all. If you have any questions or need anything, please feel free to contact me by phone or email. Thanks.

Respectfully,

Joel Lowry

HOBBS OCD

NOV 08 2012

RECEIVED

Basin Environmental Service Technologies, LLC

Environmental Site Summary

Project Name: Trunk "O" #2 (1RP-1508)

GPS Coordinates: 32.371634 N -103.259301 W

Legal Description: Unit Letter: M Section: 22 Township: 22S Range: 36E

Depth to Ground Water: ~153'

HOBBS OCD

Land Owner: Dasco Land and Cattle Co.

NOV 08 2012

Address: P.O. Box 727, Hobbs, NM 88241

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Approximate Date of Release: Unknown

Approximate Volume of Release: 75 bbls of fluid, 2,160 MCF Nat. Gas

Type of Release: Crude Oil, Produced Water and Natural Gas

Background Information: Southern Union Gas Services' Trunk "O" #2 soil remediation site is the result of a failure in a section of 30" low-pressure, natural gas pipeline. The release was discovered on August 21, 2007. The initial Form C-141 indicated 75 bbls of fluid and 2,160 Mcf of natural gas was released with 50 bbls being recovered. Remediation of the impacted area will follow the NMOCD Guidelines for Remediation of Spills, Leaks and Releases. The Trunk "O" #2 has been selected for immediate remediation.

Summary of Field Activities: On or around August 14, 2007, heavily impacted material was excavated from the release site and hauled to an approved disposal facility. On October 31, 2012, a series of test trenches were advanced at the release site in an effort to determine the horizontal and vertical extent of soil impact. Field test results indicated elevated chloride concentrations (~1,000 ppm) exist below a hard rock layer encountered at 8' bgs. It was determined that the advancement of one or more soil borings would be required to determine the vertical extent of soil impact.

Purpose of Soil Boring/Monitor Well Installation: As per the NMOCD's Guidelines for Remediation of Spills, Leaks and Releases, the vertical extent of soil impact and the status of the groundwater must be determined before developing a remediation strategy and advancing the site toward closure. It was determined that the advancement of one or more soil borings would be required to determine the vertical extent of soil impact. If during the advancement of the proposed soil boring it is determined that groundwater may have been impacted, the affected soil boring(s) may be converted into a 2" monitor well to facilitate groundwater sampling and remediation.

Proposed Soil Boring/Monitor Well Locations:

Description:

~32.371587	<u>N</u>	~103.259281	<u>W</u>
~32.371612	<u>N</u>	~103.259182	<u>W</u>
~32.371530	<u>N</u>	~103.259222	<u>W</u>
~32.371640	<u>N</u>	~103.259247	<u>W</u>
~32.371698	<u>N</u>	~103.259323	<u>W</u>

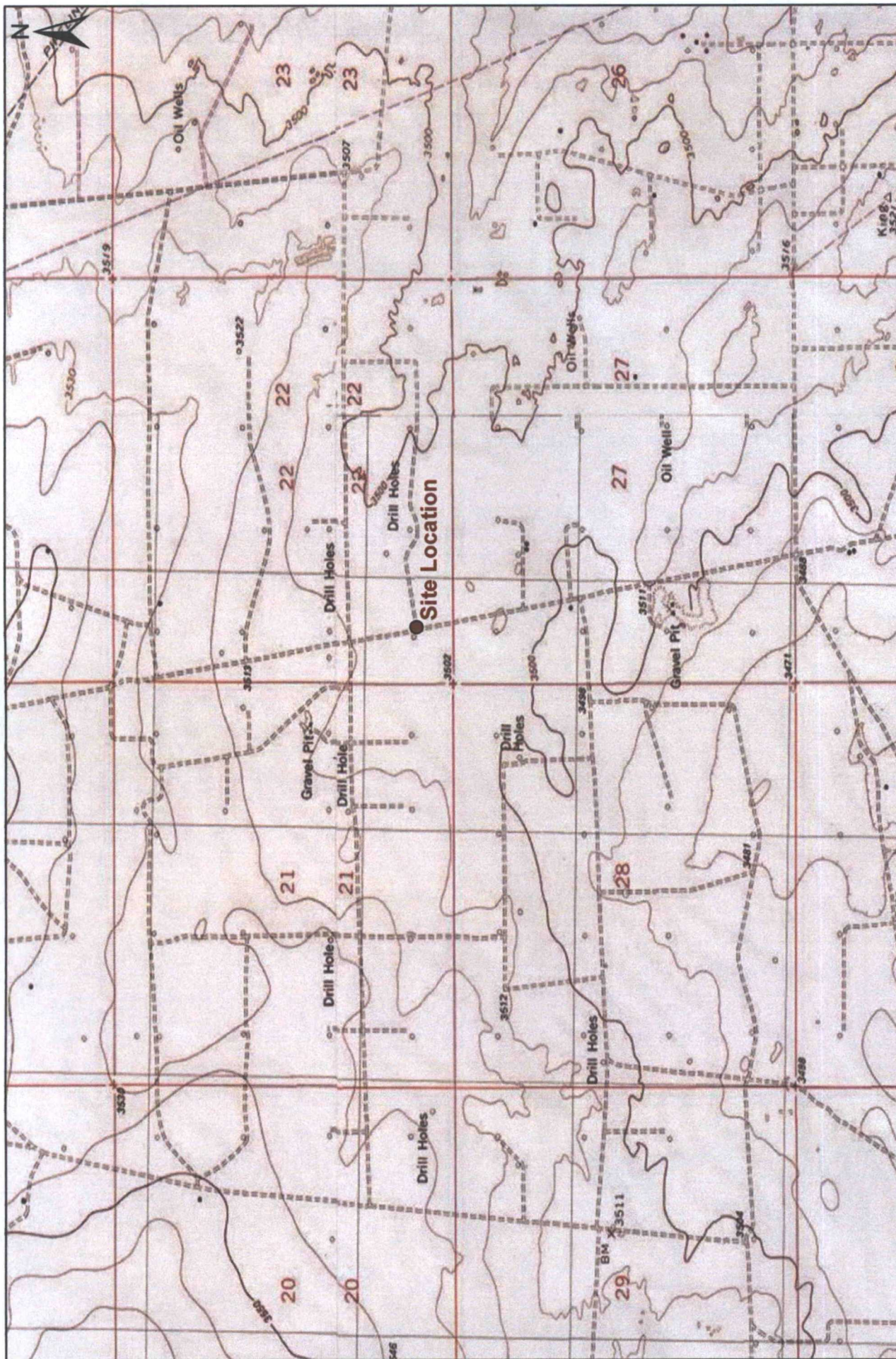
SB-1 (Inferred center of primary impact)
SB-2 (East southeast of inferred release point)
SB-3 (South of inferred release point)
SB-4 (Adjacent to inferred release point)
SB-5 (Northwest of inferred release point)

Attachments:

Attachment #1: Site Location Map

Attachment #2: Site & Sample Location Map

Attachment #3: Land Owner Access Agreement



Basin Environmental Service Technologies, LLC
 3100 Plains Hwy.
 Lovington, NM 88260

Drawn By: BJA	Checked By: JWL
November 5, 2012	
Scale: 1" = 200'	



Figure 1
Site Location Map
Southern Union Gas Services
Trunk "O" #2
Lea County, New Mexico
NMOCD Reference #: 1RP-1508

1,000 500 0 1,000 2,000
 Distance in Feet



Legend:

- Proposed Soil Boring

Figure 2
Proposed Soil Boring Location Map
Southern Union Gas Services
Trunk "O" #2
NMOCD Ref RP-1508
Lea County, New Mexico

Basin Environmental Services

Prep By: JWL	Checked By: BJA
November 5, 2012	Scale 1"=30'

Basin Environmental Service Technologies, LLC

Environmental Site Summary

Project Name: Trunk "O" #1 (IRP-1507)

GPS Coordinates: 32.374346 N -103.259555 W

Legal Description: Unit Letter: L Section: 22 Township: 22S Range: 36E

Depth to Ground Water: ~153'

Land Owner: Dasco Land and Cattle Co.

Address: P.O. Box 727, Hobbs, NM 88241

HOBBS OCD

NOV 08 2012

RECEIVED

Approximate Date of Release: Unknown

Approximate Volume of Release: 60 bbls of fluid, 1,215 MCF Nat. Gas

Type of Release: Crude Oil, Produced Water and Natural Gas

Background Information: Southern Union Gas Services' Trunk "O" #1 soil remediation site is the result of a failure in a section of 30" low-pressure, natural gas pipeline. The release was discovered on August 21, 2007. The initial Form C-141 indicated 60 bbls of fluid and 1,215 Mcf of natural gas was released with 40 bbls being recovered. Remediation of the impacted area will follow the NMOCD Guidelines for Remediation of Spills, Leaks and Releases. The Trunk "O" #1 has been selected for immediate remediation.

Summary of Field Activities: On or around August 10, 2007, heavily impacted material was excavated from the release site and hauled to an approved disposal facility. On October 30, 2012, a series of test trenches were advanced at the release site in an effort to determine the horizontal and vertical extent of soil impact. Field test results indicated elevated chloride concentrations (~415 ppm) exist below a hard rock layer encountered at 13.5' bgs. It was determined that the advancement of one or more soil borings would be required to determine the vertical extent of soil impact.

Purpose of Soil Boring/Monitor Well Installation: As per the NMOCD's Guidelines for Remediation of Spills, Leaks and Releases, the vertical extent of soil impact and the status of the groundwater must be determined before developing a remediation strategy and advancing the site toward closure. It was determined that the advancement of one or more soil borings would be required to determine the vertical extent of soil impact. If during the advancement of the proposed soil boring it is determined that groundwater may have been impacted, the affected soil boring(s) may be converted into a 2" monitor well to facilitate groundwater sampling and remediation.

Proposed Soil Boring/Monitor Well Locations:

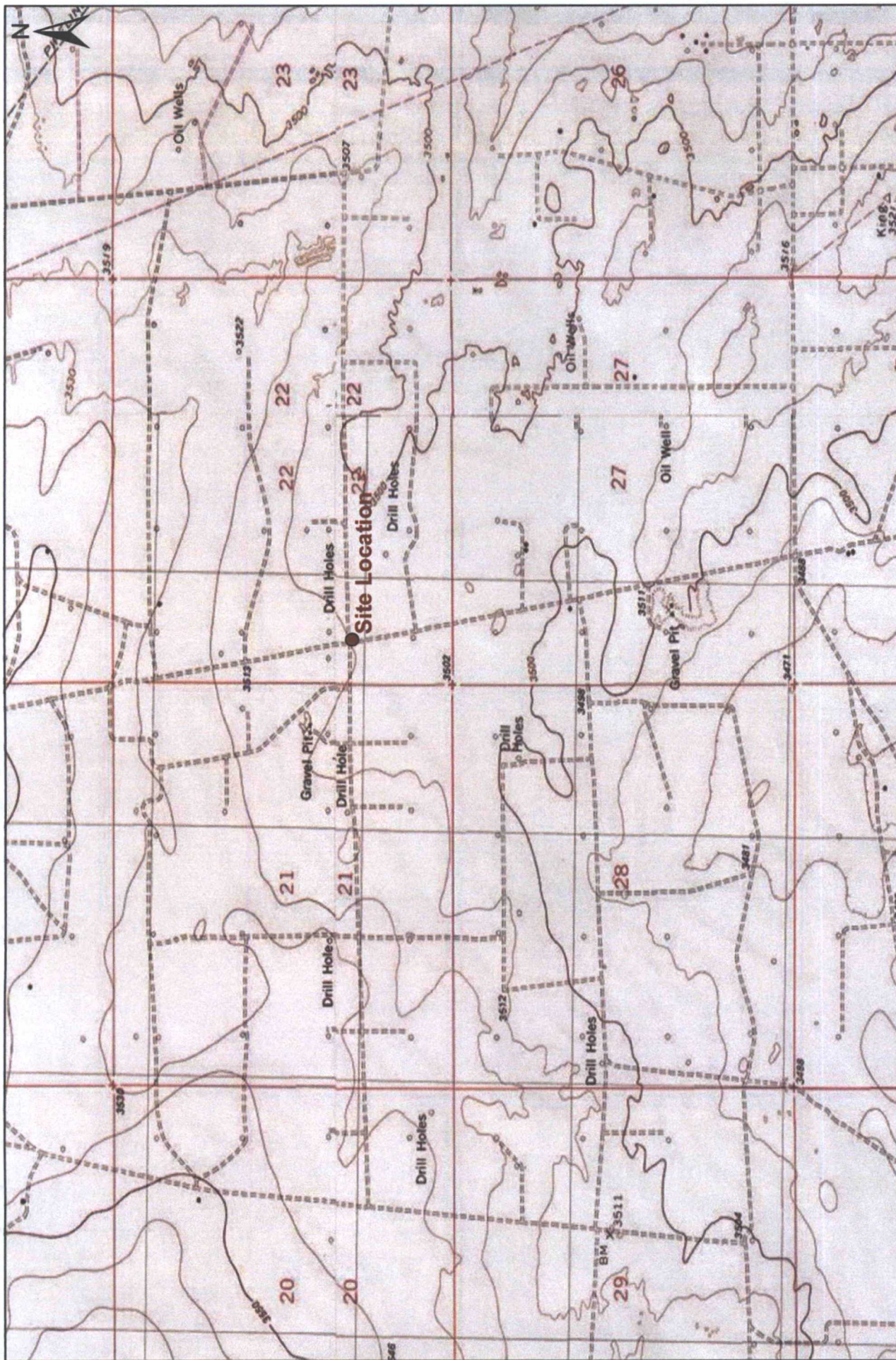
~32.374237	N	~103.259714	W
~32.374388	N	~103.259766	W
~32.374078	N	~103.259645	W
~32.374453	N	~103.259650	W
~32.374439	N	~103.259831	W

Description:

SB-1 (Inferred center of primary impact)
SB-2 (Adjacent to inferred release point)
SB-3 (Southern terminus of release flowpath)
SB-4 (~50' northeast of inferred release point)
SB-5 (~30' northwest of inferred release point)

Attachments:

Attachment #1: Site Location Map
Attachment #2: Site & Sample Location Map
Attachment #3: Land Owner Access Agreement



Basin Environmental Service Technologies, LLC
3100 Plains Hwy.
Lovington, NM 88260

Drawn By: BJA
November 5, 2012

Checked By: JWL
Scale: 1" = 2000'



Figure 1
Site Location Map
Southern Union Gas Services
Trunk "O" #1
Lea County, New Mexico
NMOCD Reference #: 1RP-1507





Legend:

○ Proposed Soil Boring

Figure 2
Proposed Soil Boring Location Map
Southern Union Gas Services
Trunk "O" #1
NMOCD Ref RP-1507
Lea County, New Mexico

Basin Environmental Services

Prep By: JWL	Checked By: BJA
November 6, 2012	Scale 1"=30'

Basin Environmental Service Technologies, LLC

Environmental Site Summary

Project Name: Trunk M#2 Drip Tanks (IRP-1819)

GPS Coordinates: 32.263963 N -103.199587 W

Legal Description: Unit Letter: B Section: 31 Township: 23S Range: 37E

Depth to Ground Water: ~110'

HOBBS OCD

Land Owner: Kelly Myers (Deep Wells Ranch)

NOV 08 2012

Address: Star Rt. Combest Ranch, Jal NM, 88252

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Approximate Date of Release: N/A Approximate Volume of Release: N/A
Type of Release: Produced Water and Crude Oil

Background Information: Southern Union Gas Services' Trunk M#2 Drip Tanks soil remediation site is the result of a failure in a former 210 bbl Below Grade Tank (BGT). A From C-144 was filed in March 2008, with the NMOCD Hobbs District Office, notifying the NMOCD of Southern Union Gas Services' intentions of removing the tank and remediating the immediate area. During the removal of the BGT, impact was discovered in the immediate area along with a historical pit.

Summary of Field Activities: The BGT at the Trunk M#2 Drip Tanks was removed in March 2008. A series of Test Trenches were advanced within visibly impacted areas. Soil samples collected from a test trench advanced adjacent to a former "separator" location suggested the presence of elevated concentrations, ~366 ppm (PID) of total petroleum hydrocarbons (TPH) at greater than 9' bgs. Test trenches advanced within the former "pit" area suggested elevated concentrations, 1,946 ppm (PID) of TPH at greater than 17' bgs. It was determined that the advancement of one or more soil borings would be required to determine the vertical extent of soil impact and investigate the status of the groundwater.

Purpose of Soil Boring/Monitor Well Installation: As per the NMOCD's Guidelines for Remediation of Spills, Leaks and Releases, the vertical extent of soil impact and the status of the groundwater must be determined before developing a remediation strategy and advancing the site toward closure. It was determined that the advancement of one or more soil borings would be required to determine the vertical extent of soil impact. If during the advancement of the proposed soil boring it is determined that groundwater may have been impacted, the affected soil boring(s) may be converted into a 2" monitor well to facilitate groundwater sampling and remediation.

Proposed Soil Boring/Monitor Well Locations:

Description:

<u>~32.26389</u>	<u>N</u>	<u>~103.199575</u>	<u>W</u>
<u>~32.263925</u>	<u>N</u>	<u>~103.199604</u>	<u>W</u>
<u>~32.26374</u>	<u>N</u>	<u>~103.199738</u>	<u>W</u>
<u>~32.26386</u>	<u>N</u>	<u>~103.199842</u>	<u>W</u>
<u>~32.26405</u>	<u>N</u>	<u>~103.199588</u>	<u>W</u>

<u>SB-1 (Inferred center of former BGT location)</u>
<u>SB-2 (Northwest of former BGT location)</u>
<u>SB-3 (Southern portion of historical pit location)</u>
<u>SB-4 (Northern portion of historical pit location)</u>
<u>SB-5 (Former separator location)</u>

Attachments:

Attachment #1: Site Location Map
Attachment #2: Site & Sample Location Map
Attachment #3: Land Owner Access Agreement

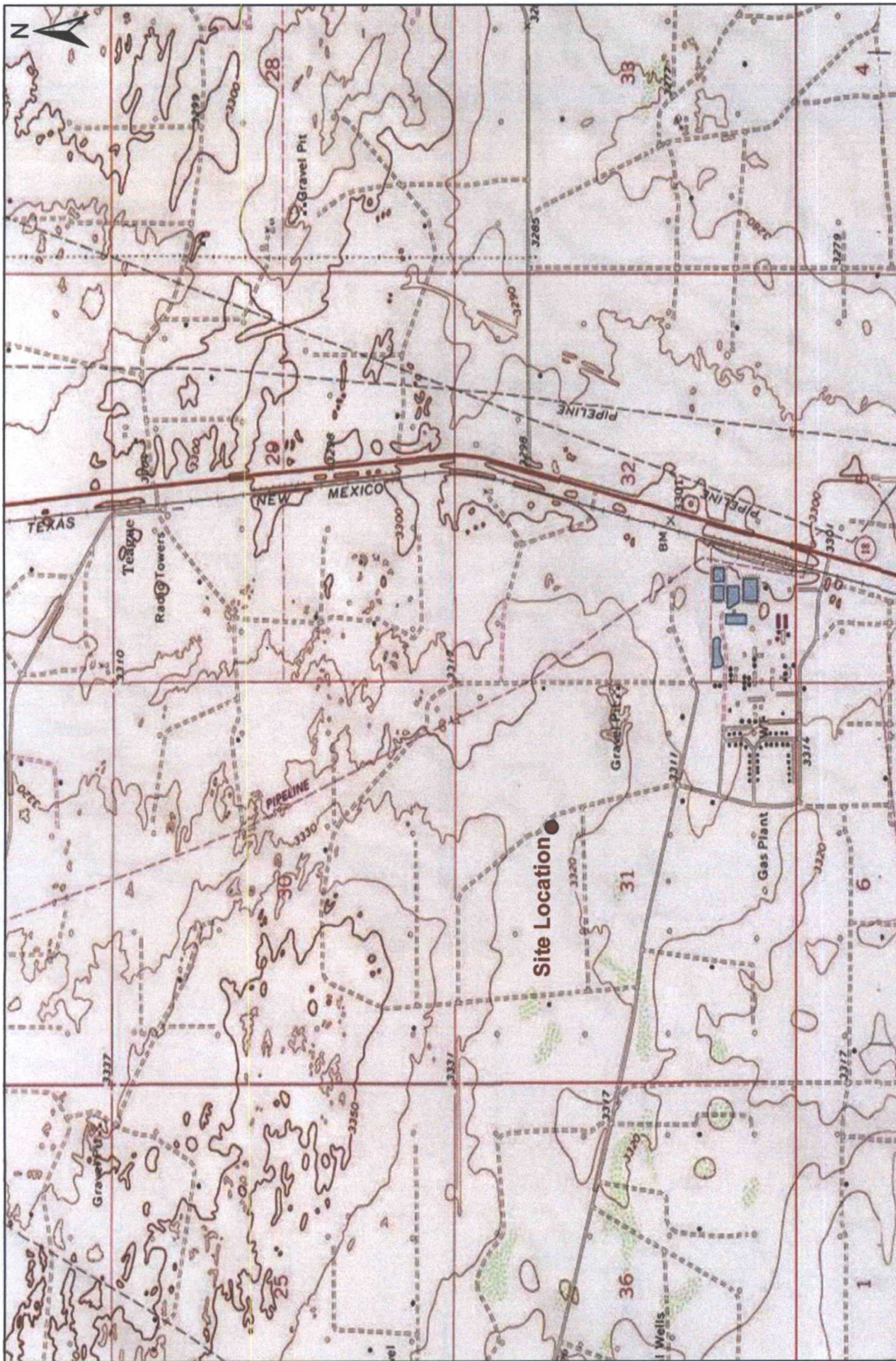



Figure 1
Site Location Map
Southern Union Gas Services
Trunk "M" #2 Drip Tanks
Lea County, New Mexico
NMOCD Reference #: 1RP-1819



Basin Environmental Service Technologies, LLC
 3100 Plains Hwy.
 Lovington, NM 88260

Drawn By: BJA Checked By: JWL
 November 5, 2012 Scale: 1" = 2000'

1,000 500 0 1,000 2,000
 Distance in Feet



Legend:

- Proposed Soil Boring

Figure 2
Proposed Soil Boring Location Map
Southern Union Gas Services
Trunk M#2 Drip Tanks
NMOCD Ref RP-1819
Lea County, New Mexico

Basin Environmental Services

Prep By: JWL	Checked By: BJA
November 6, 2012	Scale 1"=30'