



# 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:** pGRL0905436116

**1RP - 2073**

**SOUTHERN UNION GAS COMPANY**

# Basin Environmental Service Technologies, LLC

## Environmental Site Summary

Project Name: MF-16" (NMOCD IRP#-2073)

GPS Coordinates: 32 28.323' N 103 09.211' W

Legal Description: Unit Letter: N Section: 15 Township: 21S Range: 37E

Depth to Ground Water: ~40'-60'

Land Owner: Millard Deck Estate

Address: P.O. Box 270, Midland, TX, 79720

Approximate Date of Release: 1/28/2009

Approximate Volume of Release: 25 bbls Crude Oil, 60 Mcf Natural Gas

Type of Release: Crude Oil and Natural Gas

**Background Information:** Southern Union Gas Services' MF-16" Remediation Site is a result of a failure in a section of 16" low-pressure natural gas pipeline. The release occurred January 28, 2009, and was reported to the NMOCD immediately. The initial Form C-141 indicated approximately 25 bbls of crude oil and 60 Mcf of natural gas was released with 5 bbls having been recovered. Remediation of the impacted area will follow the NMOCD Guidelines for Remediation of Spills, Leaks and Releases. The MF-16" has been selected for immediate remediation.

**Summary of Field Activities:** Beginning February 2009, heavily impacted material was excavated from the release site and hauled to an approved disposal facility. Soil samples collected on February 26, 2009, from the floor of the excavation indicated elevated concentrations of chloride exist at greater than 15' 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:

~32.472048	N	~103.153441	W
~32.471938	N	~103.153314	W
~32.472145	N	~103.153553	W
~32.471840	N	~103.153175	W
~32.471961	N	~103.153612	W

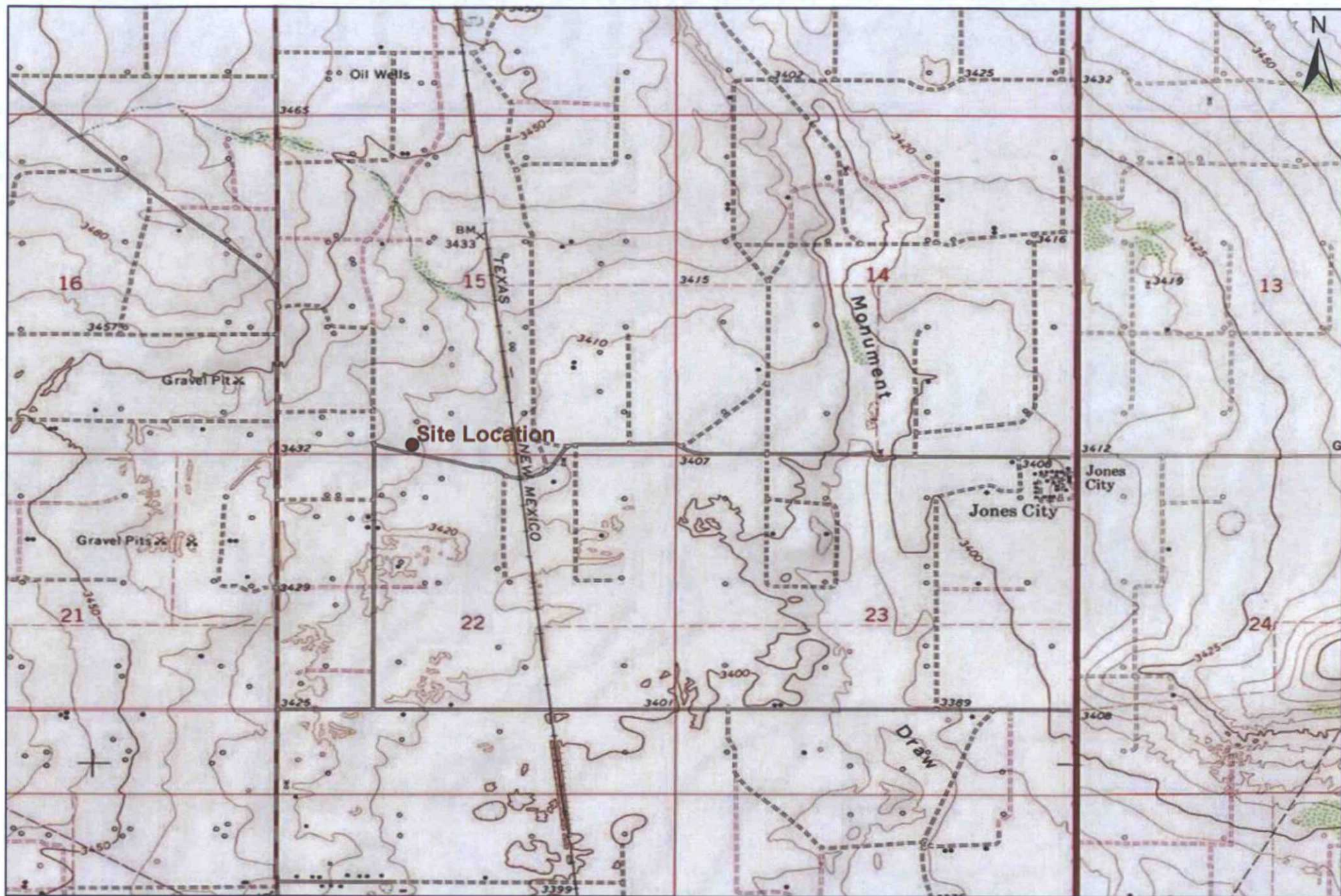
### Description:

SB-1 (Adjacent to inferred release point)
SB-2 (~50' southeast (down gradient) from SB-1)
SB-3 (~50' northwest (up gradient) from SB-1)
SB-4 (~50' southeast (down gradient) from SB-2)
SB-5 (~50' southwest (cross gradient) from SB-1)

### Attachments:

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





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

**Figure 1**  
**Site Location Map**  
**Southern Union Gas Services**  
**MF-16" Historical**  
**Lea County, New Mexico**  
**NMOCD Reference #: 1RP-2073**



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Drawn By: BJA	Checked By: JWL
October 16, 2012	Scale: 1" = 2000'





**Legend:**

○ Proposed Soil Boring

**Figure 2**  
**Proposed Soil Boring Location Map**  
**Southern Union Gas Services**  
**MF-16"**  
**NMOCD Ref RP-2073**  
**Lea County, New Mexico**

**Basin Environmental Services**

Prep By: JWL

Checked By: BJA

October 15, 2012

Scale 1"=40'