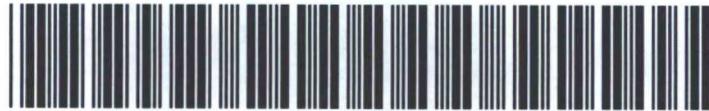




# AE Order Number Banner

## Report Description

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



**App Number: pPAC0633337409**

**1RP - 1128**

**SOUTHERN UNION GAS COMPANY**

## Leking, Geoffrey R, EMNRD

---

**From:** Joel Lowry <jwlowry@basinenv.com>  
**Sent:** Wednesday, December 26, 2012 10:23 AM  
**To:** Leking, Geoffrey R, EMNRD  
**Cc:** Rose Slade  
**Subject:** Wantz Compressor (RP-1128) -- Permission to Install Clay Liner  
**Attachments:** Wantz\_1128\_Attachments.pdf

Mr. Leking,

This email has been prepared in regards to the Wantz Compressor (RP-1128) Historical Release site. The legal description of the release site is Unit Letter "M" (SW/SW), Section 21, Township 21 South, Range 37 East, in Lea County, New Mexico. The geographic coordinates of the release site are 32° 27.589' North latitude and 103° 10.545' West longitude. The property affected by the release is owned by the Mary E Wantz Estate. The depth to groundwater is approximately eighty-five (85') bgs.

There is one domestic water well approximately two hundred fifteen feet (215') northwest (up gradient) of the release site. Based on the NMOCD ranking system, ten (10) points will be assigned to the site as a result of this criterion for a total site ranking of twenty (20) points.

On November 13, 2006, Southern Union discovered a release had occurred at the Wantz Compressor Station. The Form C-141 indicated a two-inch (2") line from an inlet scrubber on a two hundred ten barrel (210 bbls) storage take failed, resulting in the release of approximately six barrels (6 bbls) of crude oil. During initial response activities, a temporary plug was installed and approximately four barrels (4 bbls) of free standing fluid was recovered. The release affected approximately five hundred eighty square feet (580 ft<sup>2</sup>) of caliche pad. Most of the affected area is under process piping and piping supports. The release was reported to the NMOCD-Hobbs District Office on November 20, 2006.

Beginning November 16, 2006, remediation activities were at the release site by an environmental contractor that is no longer affiliated with the site. Work records indicate impacted medium was shoveled by hand and stockpiled on-site atop plastic sheeting pending final disposition.

On November 22, 2006, approximately twelve cubic yards (12 yd<sup>3</sup>) of impacted soil was transport to Southern Union Gas Services' Landfarm (Discharge Permit # NM-02-0019) for treatment.

On November 28, 2006, three (3) soil samples (POR @ 3', B-12 10 inches and B-Comp. 10 inches) were collected from the excavated area and submitted to Xenco Laboratories, of Odessa, Texas for analysis of BTEX and TPH concentrations in accordance with EPA Methods SW 846-8021B and SW 846-8015M, respectively. Laboratory analytical results indicated benzene concentrations ranged from less than the laboratory method detection limit for soil sample B-Comp. 10' to 15.0 mg/Kg for soil sample POR @ 3'. Analytical results indicated BTEX concentrations ranged from 0.1938 mg/Kg for soil sample B-Comp. 10 inches to 245.0 mg/Kg for soil samples POR @ 3'. TPH concentrations ranged from 519.8 mg/Kg for soil sample B-Comp. 10 inches to 38,300 mg/Kg for soil sample POR @ 3'.

On September 25, 2012, Basin responded to the historical release site. One (1) initial soil sample (Release Point) was collected from the floor of the open excavation near the inferred release point. The soil sample was submitted to Xenco Laboratories for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated the concentration of BTEX was less than the appropriate laboratory method detection limit

(MDL). Analytical results indicated the concentration of TPH was 3,671 mg/Kg. The concentration of chloride was 2.47 mg/Kg. Based on laboratory analytical reports, further excavation would be necessary in the area defined by soil sample Release Point.

On October 10, 2012, the area defined by soil sample Release Point was advanced an additional one foot (1'). Four (4) soil samples (Release Point @ 4', East End @ .5', Middle @ 1' and West End @ 1.5') were collected from the excavation and submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated TPH concentrations ranged from less than the appropriate laboratory MDL for soil samples East End @ .5', Middle @ 1' and West End @ 1.5' to 641.7 mg/Kg for soil sample Release Point @ 4'. Analytical results indicated chloride concentrations ranged from less than the appropriate laboratory MDL for soil samples East End @ .5', Middle @ 1' and West End @ 1.5' to 17.8 mg/Kg for soil sample Release Point @ 4'. Based on laboratory analytical reports, further excavation would be necessary in the area defined by soil sample Release Point @ 4'.

On December 4, 2012, the area defined by soil sample Release Point @ 4' was advanced an additional one foot (1') to the hard rock layer. One soil sample (Release Point @ 5') was collected from the floor of the excavation and submitted to the laboratory for analysis of BTEX and TPH concentrations. Laboratory analytical results indicated the concentration of benzene was less than the laboratory MDL. Laboratory analytical results indicated the concentration of BTEX was 0.00165 mg/KG. The concentration of TPH was 676 mg/Kg.

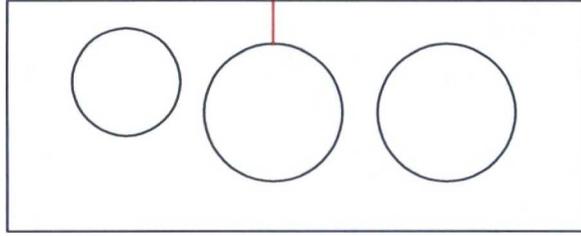
With your permission, Southern Union would like to install a one foot (1') clay liner over the portion of the excavation represented by soil sample Release Point @ 5' as discussed during the December 12, 2012, meeting. Upon completing the installation of the clay liner, a Risk-Based Soil Closure will be prepared, detailing remediation activities and the results of laboratory analysis. Any soil containing COC concentrations above NMOCD regulatory remediation action levels will be readdressed upon decommissioning and abandoning the active compressor station.

For your convenience, A Site Location Map, Site and Sample Map and Soil Chemistry Table are attached. If you have any questions or need any additional information, feel free to contact me by phone or email. Thanks.

Respectfully,

Joel Lowry

Basin



SP3a

SP2a

SP1a

SP #1

SP3b

SP2b

SP1b

SP3c

SP2c

SP1c

Pipelines

OTHER WANTZ



Legend

- Sample Location
- - - Excavation Extent
- Pipeline
- Fence

Figure 2  
 Site & Sample Location Map  
 Southern Union Gas Services  
 Wantz Compressor  
 NMOCD Ref RP-2580  
 Lea County, New Mexico

Basin Environmental Services

Prep By: JWL  
 December 28, 2012  
 Checked By: BJA  
 Scale 1"=20'

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL  
 SOUTHERN UNION GAS SERVICES  
 WANTZ COMPRESSOR HISTORICAL  
 HISTORICAL RELEASE SITE  
 LEA COUNTY, NEW MEXICO  
 NMOCD REF# 1RP-2580

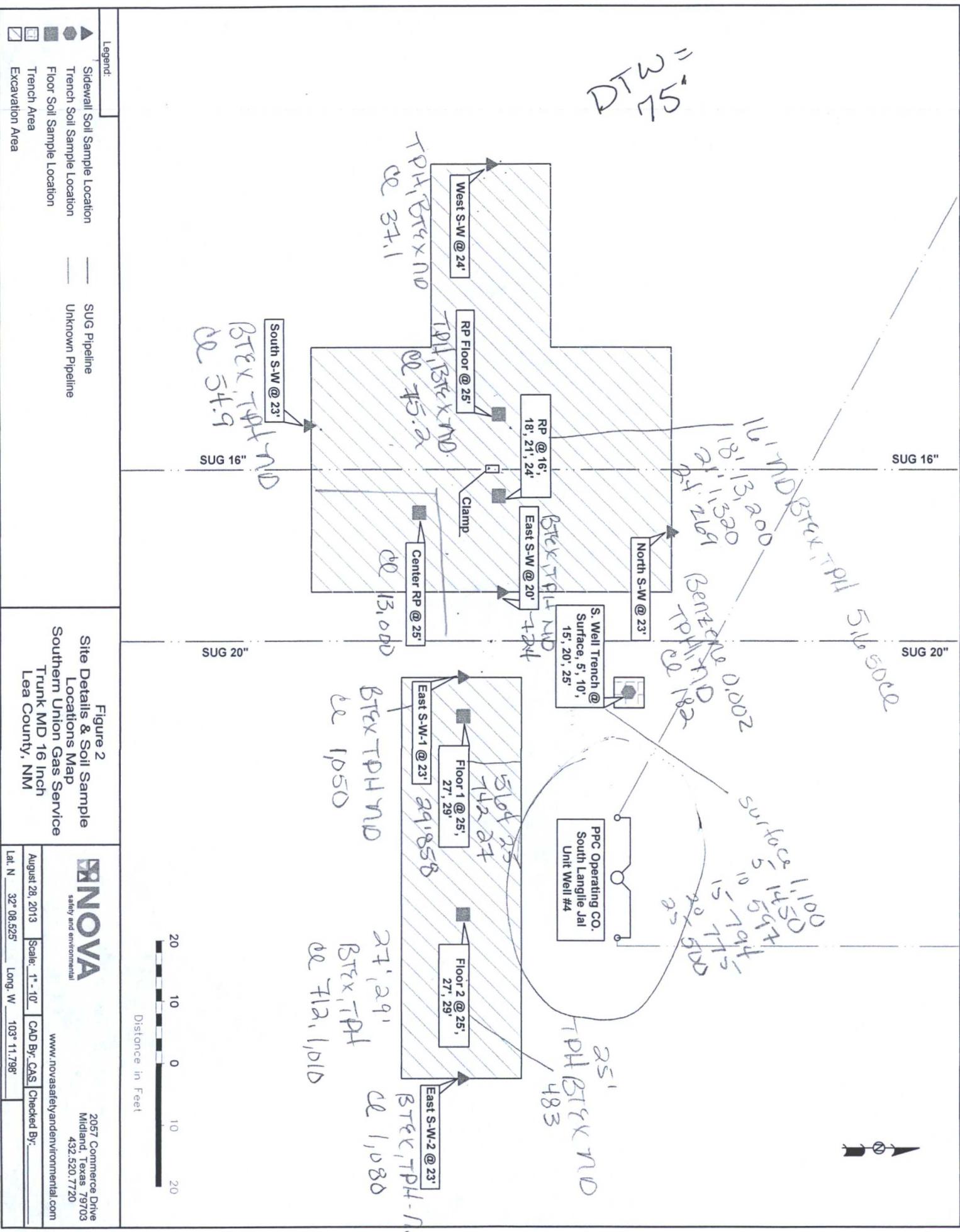
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C <sub>6</sub> -C <sub>12</sub> (mg/Kg)	DRO C <sub>12</sub> -C <sub>28</sub> (mg/Kg)	ORO C <sub>28</sub> -C <sub>35</sub> (mg/Kg)	TOTAL TPH C <sub>6</sub> -C <sub>28</sub> (mg/Kg)	CHLORIDE (mg/Kg)
SP#1 @ Surface	Surface	12/4/2012	In-Situ	-	-	-	-	-	<80.2	6,600	336	6,940	2,270
SP#1 @ 2'	2'	12/4/2012	In-Situ	-	-	-	-	-	<15.4	557	22.5	580	172
SP1a @ Surface	Surface	12/28/2012	In-Situ	-	-	-	-	-	<15.9	1,020	91.7	1,110	57.0
SP1a @ 2'	2'	12/28/2012	In-Situ	-	-	-	-	-	<16.7	<16.7	<16.7	<16.7	3.22
SP1a @ 4'	4'	12/28/2012	In-Situ	-	-	-	-	-	<18.7	34.8	<18.7	34.8	15.3
SP2a @ Surface	Surface	12/28/2012	In-Situ	-	-	-	-	-	<18.1	705	36.9	742	13.4
SP2a @ 2'	2'	12/28/2012	In-Situ	-	-	-	-	-	<17.8	<17.8	<17.8	<17.8	<1.19
SP2a @ 4'	4'	12/28/2012	In-Situ	-	-	-	-	-	<19.0	<19.0	<19.0	<19.0	3.73
SP3a @ Surface	Surface	12/28/2012	In-Situ	-	-	-	-	-	<18.8	<18.8	<18.8	<18.8	30.0
SP3a @ 2'	2'	12/28/2012	In-Situ	-	-	-	-	-	<17.9	<17.9	<17.9	<17.9	2.68
SP3a @ 4'	4'	12/28/2012	In-Situ	-	-	-	-	-	<16.5	<16.5	<16.5	<16.5	29.5
SP1b @ Surface	Surface	12/28/2012	In-Situ	-	-	-	-	-	<18.8	95.5	<18.8	95.5	21.6
SP1b @ 2'	2'	12/28/2012	In-Situ	-	-	-	-	-	<15.3	15.5	<15.3	15.5	5.03
SP1b @ 4'	4'	12/28/2012	In-Situ	-	-	-	-	-	<16.5	<16.5	<16.5	<16.5	3.95
SP2b @ Surface	Surface	12/28/2012	In-Situ	-	-	-	-	-	<19.1	138	<19.1	138	<1.27
SP2b @ 2'	2'	12/28/2012	In-Situ	-	-	-	-	-	<15.4	<15.4	<15.4	<15.4	1.18
SP2b @ 4'	4'	12/28/2012	In-Situ	-	-	-	-	-	<18.2	<18.2	<18.2	<18.2	1.41
SP3b @ Surface	Surface	12/28/2012	In-Situ	-	-	-	-	-	<15.8	<15.8	<15.8	<15.8	<1.04
SP3b @ 2'	2'	12/28/2012	In-Situ	-	-	-	-	-	<15.2	<15.2	<15.2	<15.2	<1.02
SP3b @ 4'	4'	12/28/2012	In-Situ	-	-	-	-	-	<16.0	<16.0	<16.0	<16.0	7.50
SP1c @ Surface	Surface	12/28/2012	In-Situ	-	-	-	-	-	<18.5	<18.5	<18.5	<18.5	6.35
SP1c @ 2'	2'	12/28/2012	In-Situ	-	-	-	-	-	<15.3	<15.3	<15.3	<15.3	2.48
SP1c @ 4'	4'	12/28/2012	In-Situ	-	-	-	-	-	<15.5	<15.5	<15.5	<15.5	2.67
SP2c @ Surface	Surface	12/28/2012	In-Situ	-	-	-	-	-	<15.7	<15.7	<15.7	<15.7	10.2
SP2c @ 2'	2'	12/28/2012	In-Situ	-	-	-	-	-	pending	pending	pending	pending	pending
SP2c @ 4'	4'	12/28/2012	In-Situ	-	-	-	-	-	<15.7	<15.7	<15.7	<15.7	7.66
SP3c @ Surface	Surface	12/28/2012	In-Situ	-	-	-	-	-	pending	pending	pending	pending	pending
SP3c @ 2'	2'	12/28/2012	In-Situ	-	-	-	-	-	pending	pending	pending	pending	pending
SP3c @ 4'	4'	12/28/2012	In-Situ	-	-	-	-	-	<16.0	21.0	<16.0	21.0	2.07
<b>NMOCD Standard</b>				<b>10</b>				<b>50</b>				<b>100</b>	<b>250</b>

- = Not analyzed.



MD 16'

DTW = 75'



- Legend:
- Sidewall Soil Sample Location
  - Trench Soil Sample Location
  - Floor Soil Sample Location
  - Trench Area
  - Excavation Area

- SUG Pipeline
- Unknown Pipeline

Figure 2  
 Site Details & Soil Sample Locations Map  
 Southern Union Gas Service  
 Trunk MD 16 Inch  
 Lea County, NM

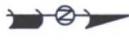
**NOVA**  
 safety and environmental

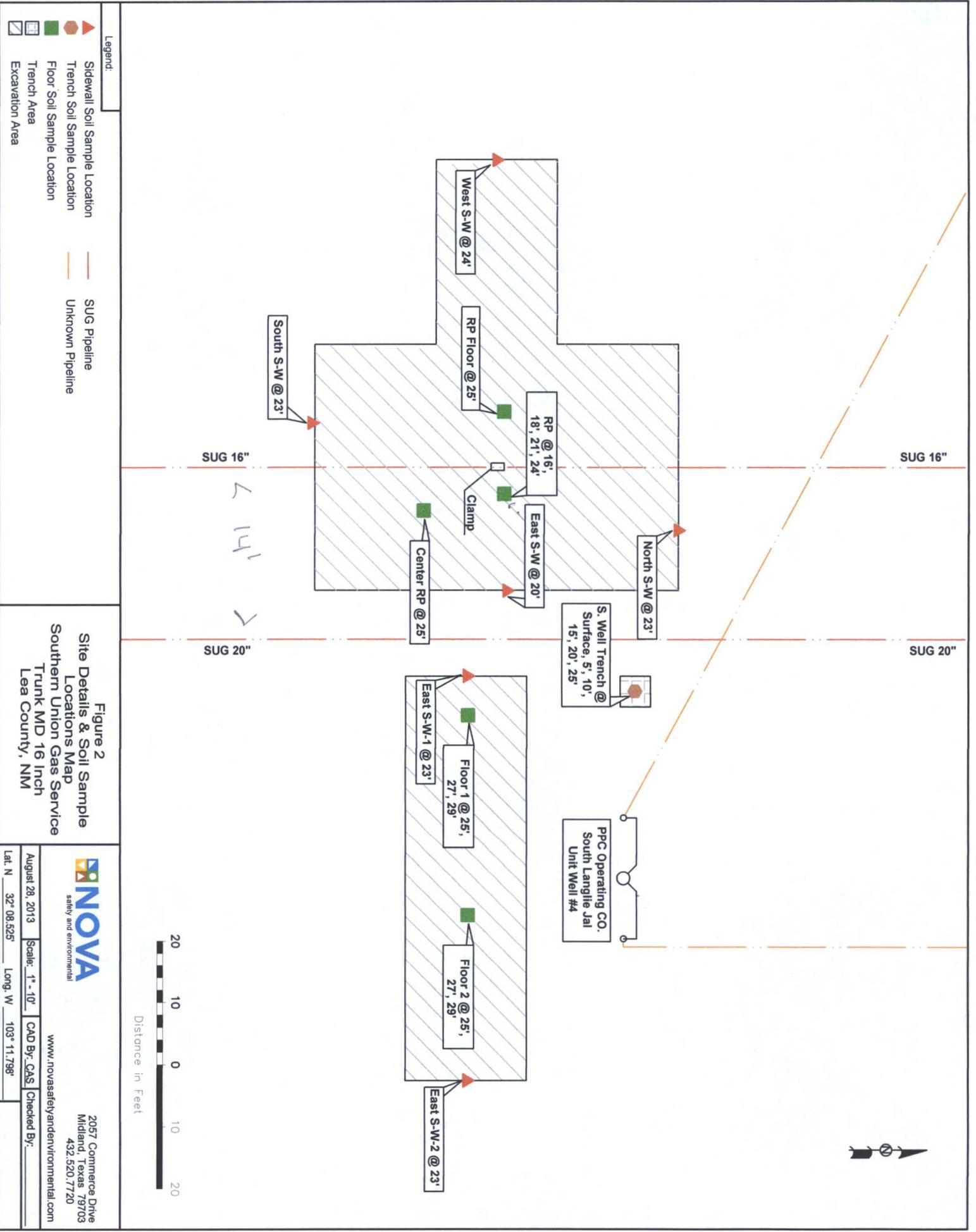
2057 Commerce Drive  
 Midland, Texas 79703  
 432.520.7720

www.novasafetyandenvironmental.com

August 28, 2013  
 Scale: 1" = 10'  
 CAD By: CAS  
 Checked By: [ ]

Lat. N 32° 08.525' Long. W 103° 11.798'





Legend:

- Sidewall Soil Sample Location
- Trench Soil Sample Location
- Floor Soil Sample Location
- Excavation Area

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**Figure 2**  
 Site Details & Soil Sample Locations Map  
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Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION  
310 Old Santa Fe Trail, Room 206  
Santa Fe, New Mexico 87503

WELL API NO. 30-025-11488
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. 20157

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)			
1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Injection		7. Lease Name or Unit Agreement Name S Langlie Jal Unit	
2. Name of Operator Bristol Resources Corporation		8. Well No. 4	
3. Address of Operator 6655 S Lewis, Suite 200, Tulsa, OK 74136		9. Pool name or Wildcat Jalmat Tansill Yates 7 Rivers	
4. Well Location Unit Letter <u>I</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>1980</u> Feet From The <u>East</u> Line			
7 Section 25S		Township 37E Range NMPM Lea County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3353' TD 3130' DF 3125' GL			

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: Pull tbg & repair packer <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Pull tbg and repair packer and test tubing. Replace bad tubing. Date of starting work is as soon as possible after approval.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Katherine E. Henshaw TITLE Production Analyst DATE 5/17/99

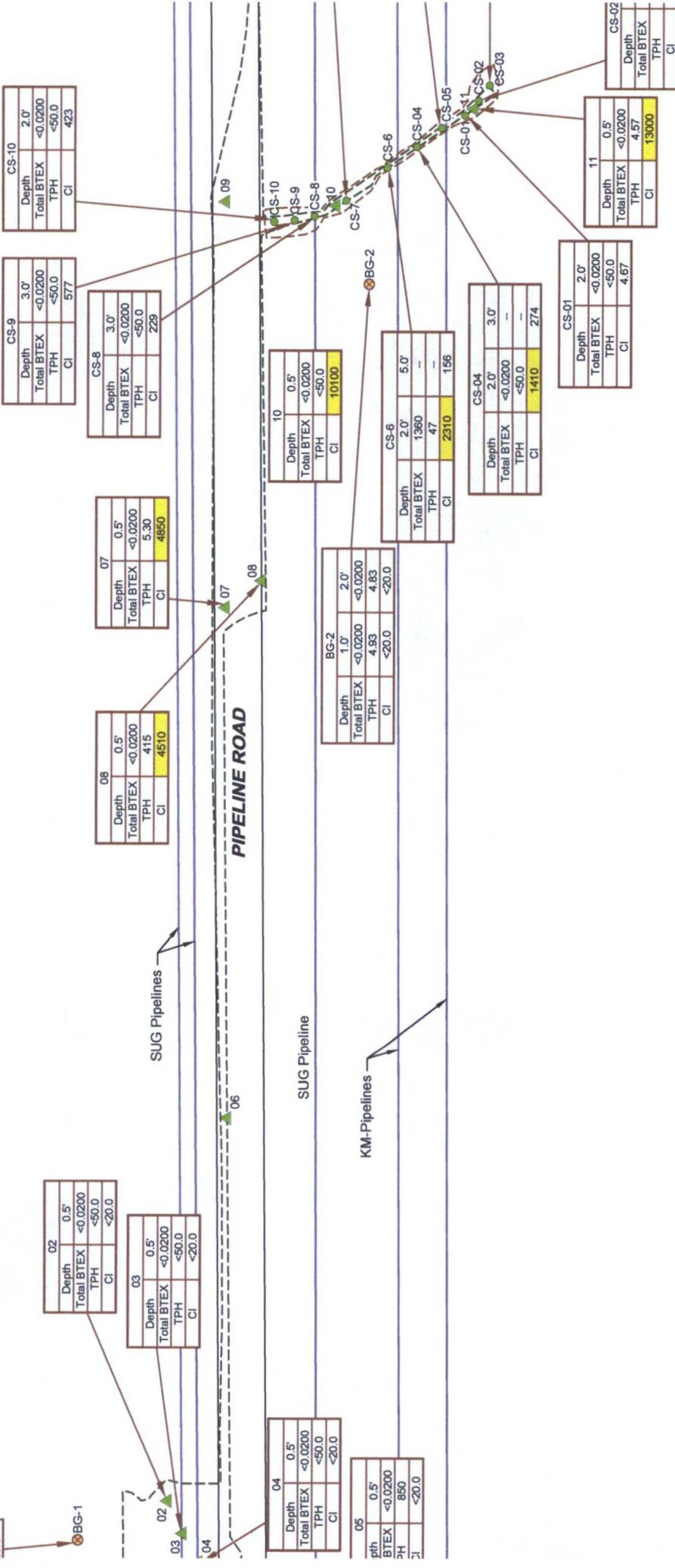
TYPE OR PRINT NAME Katherine E. Henshaw TELEPHONE NO. 915-553-1923 (Don Tyler)

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

2.0'
0.0200
50.0
20.0



CS-10	
Depth	2.0'
Total BTEX	<0.0200
TPH	<50.0
CI	423

CS-9	
Depth	3.0'
Total BTEX	<0.0200
TPH	<50.0
CI	577

CS-8	
Depth	3.0'
Total BTEX	<0.0200
TPH	<50.0
CI	229

07	
Depth	0.5'
Total BTEX	<0.0200
TPH	5.30
CI	4850

08	
Depth	0.5'
Total BTEX	<0.0200
TPH	415
CI	4510

10	
Depth	0.5'
Total BTEX	<0.0200
TPH	<50.0
CI	10100

BG-2	
Depth	1.0'
Total BTEX	<0.0200
TPH	4.83
CI	<20.0

CS-6	
Depth	2.0'
Total BTEX	1360
TPH	47
CI	2310

CS-04	
Depth	2.0'
Total BTEX	<0.0200
TPH	<50.0
CI	1410

CS-01	
Depth	2.0'
Total BTEX	<0.0200
TPH	<50.0
CI	4.67

11	
Depth	0.5'
Total BTEX	<0.0200
TPH	4.57
CI	13000

CS-02	
Depth	2.0'
Total BTEX	<0.0200
TPH	<50.0
CI	423

HOBBS OCD

AUG 27 2013

RECEIVED

**GEND**

Location

Sample Location

Sample Location

Inner Outline

imits

ple (ft)



Photo 5



Photo 6

Southern Union Gas Services Site: Wantz Compressor  
Job #2006-056 Before Remediation 11/15/06

Photo 7



Southern Union Gas Services Site: Wantz Compressor  
Job #2006-056 Before Remediation 11/15/06



