



AE Order Number Banner

Report Description

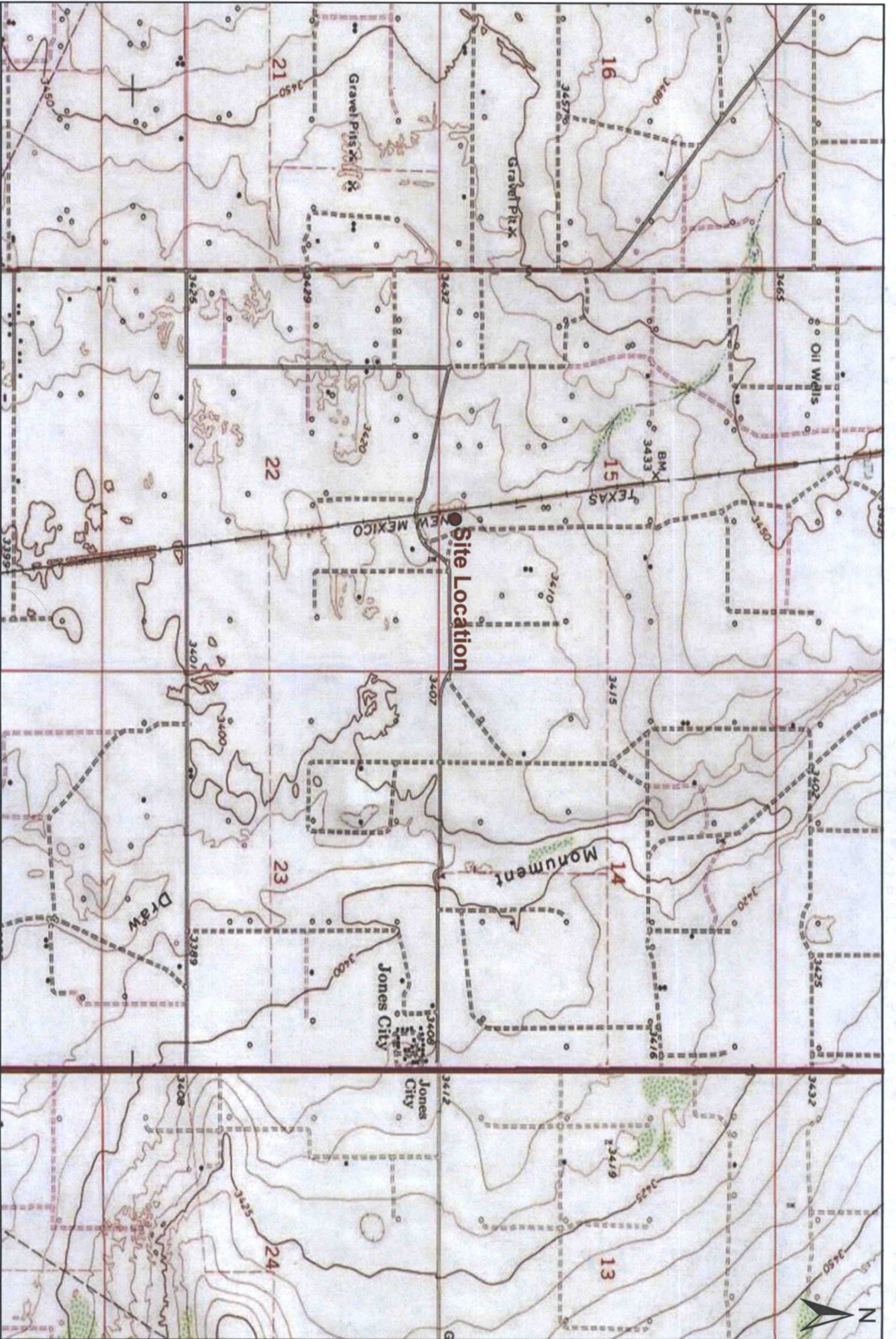
This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pPAC0611636878

1RP - 837

SOUTHERN UNION GAS COMPANY



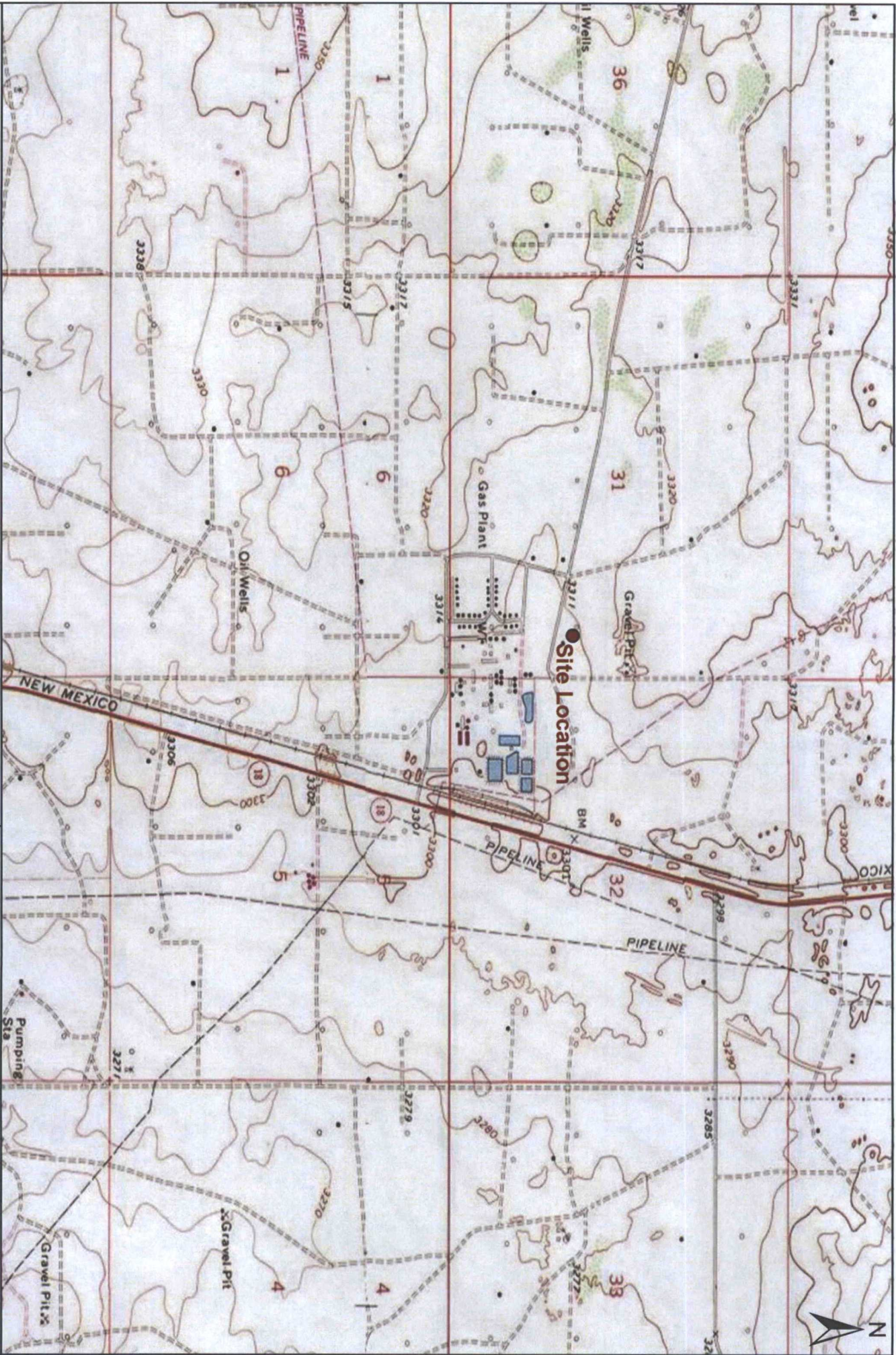
1,000 500 0 1,000 2,000
Distance in Feet

Figure 1
Site Location Map
Southern Union Gas Services
MF-16" Bettis
Lea County, New Mexico
NMOCD Reference #: 1RP-837



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

Drawn By: BJA	Checked By: JWL
November 13, 2012	Scale: 1" = 200'



(17)

Figure 1
Site Location Map
 Southern Union Gas Services
 #4 North Plant Storage
 Lea County, New Mexico
 NMOCD Reference #: 1RP-1457



Basin Environmental Service Technologies, LLC 3100 Plains Hwy, Lovington, NM 88260	
Drawn By: BJA	Checked By: JWL
December 4, 2012	Scale: 1" = 2000'

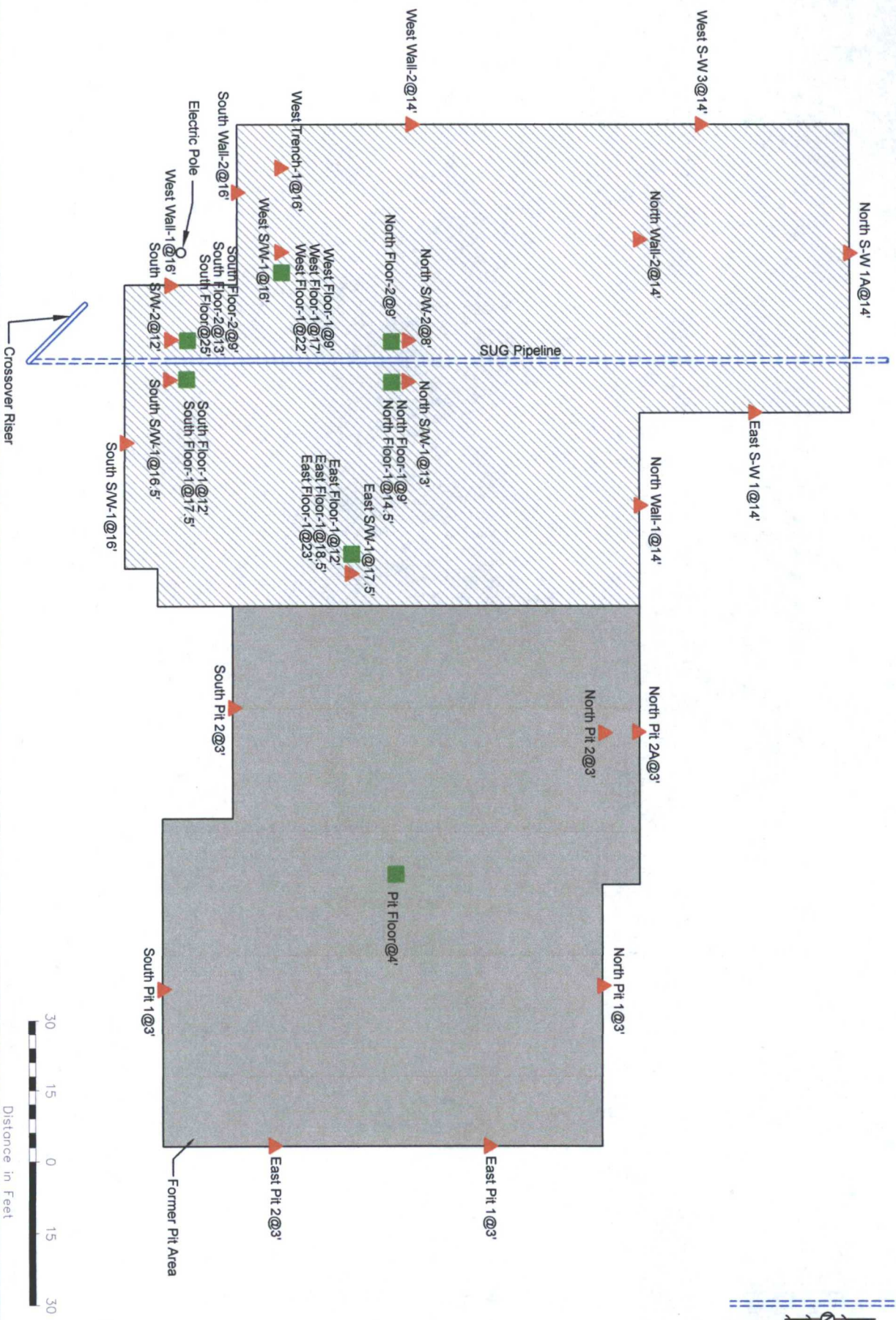


Figure 2

Southern Union Gas Services

12" Crossover

Lea County, NM



2057 Commerce Drive
Midland, Texas 79703
432.520.7720

www.novasafetyandenvironmental.com

August 17, 2012 | Scale: 1" = 30' | CAD By: TA | Checked By: CJB

Lat. N 32.177364° Long. W 103.154464°

TABLE 1

SOUTHERN UNION GAS SERVICES
12 INCH CROSSOVER HISTORICAL RELEASE SITE
LEA COUNTY, NEW MEXICO
NMOCID # 1RP-1538

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021b					METHOD: SW 8015M					E 300.1 CHLORIDE
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL BTEX	TPH GRO C ₆ -C ₁₂	TPH DRO C ₁₂ -C ₁₈	TPH ORO C ₁₈ -C ₃₅	TOTAL TPH C ₆ -C ₃₅	
North Floor 1 @ 9'	08/07/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<15.8	<15.8	<15.8	<15.8	996
North S/W -2 @ 8'	08/09/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<16.7	<16.7	<16.7	<16.7	102
North Floor-1 @ 14.5'	08/09/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<18.3	<18.3	<18.3	<18.3	116
North S/W-1 @ 13'	08/09/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<17.9	<17.9	<17.9	<17.9	13.9
North Floor -2 @ 9'	08/09/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<18.8	<18.8	<18.8	<18.8	1.81
South Floor-1 @ 12'	08/13/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<16.9	36.1	<16.9	36.1	1,520
South Floor-2 @ 9'	08/13/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<16.1	<16.1	<16.1	<16.1	937
South Floor-1 @ 17.5'	08/13/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<15.5	16.2	<15.5	16.2	235
South S/W-1 @ 16.5'	08/13/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<15.6	133	<15.6	133	276
South Floor-2 @ 13'	08/13/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<15.8	<15.8	<15.8	<15.8	358
South S/W-2 @ 12'	08/13/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<15.8	<15.8	<15.8	<15.8	263
East Floor-1 @ 12'	08/13/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<16.9	<16.9	<16.9	<16.9	1,500
East Floor-1 @ 18.5'	08/13/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<15.6	<15.6	<15.6	<15.6	297
East S/W-1 @ 17.5'	08/13/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<15.8	<15.8	<15.8	<15.8	566
West Floor-1 @ 9'	08/14/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<16.5	<16.5	<16.5	<16.5	1,140
West Floor-1 @ 17'	08/14/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<15.5	<15.5	<15.5	<15.5	301
West S/W-1 @ 16'	08/14/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<15.6	<15.6	<15.6	<15.6	259
East Floor @ 23'	10/10/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<26.0	<26.0	<26.0	<26.0	155
West Floor @ 22'	10/10/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.8	<25.8	<25.8	<25.8	79.6
South Floor @ 25'	10/10/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<26.3	<26.3	<26.3	<26.3	249
SP-1	10/10/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.8	<25.8	<25.8	<25.8	99
East Pit 1 @ 3'	10/25/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.3	<25.3	<25.3	<25.0	5.29
East Pit 2 @ 3'	10/25/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.3	<25.3	<25.3	<25.0	102
South Pit 1 @ 3'	10/25/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.5	<25.5	<25.5	<25.0	157
South Pit 2 @ 3'	10/25/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.3	<25.3	<25.3	<25.0	31.1
North Pit 1 @ 3'	10/25/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<27.8	<27.8	<27.8	<25.0	2.62
North Pit 2 @ 3'	10/25/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.5	<25.5	<25.5	<25.0	880
Pit SP-1	10/25/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<26.0	822	170	992	87.7
West Trench-1 @ 16'	10/26/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<26.3	<26.3	<26.3	<25.0	209

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES
12 INCH CROSSOVER HISTORICAL RELEASE SITE
LEA COUNTY, NEW MEXICO
NMOCID # 1RP-1538

All concentrations are reported in mg/kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021b					METHOD: SW 8015M					E 300.1
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE	TOTAL BTEX	TPH GRO C ₆ -C ₁₂	TPH DRO C ₁₂ -C ₁₈	TPH ORO C ₁₈ -C ₃₅	TOTAL TPH C ₆ -C ₃₅	
North Pit 2A @ 3'	11/12/12	-	-	-	-	-	-	-	-	-	-	118
North Wall 1 @ 14'	11/30/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<26.0	<26.0	<26.0	<26.0	189.
North Wall 2 @ 14'	11/30/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<26.3	<26.3	<26.3	<26.3	307
South Wall 1 @ 16'	11/30/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<26.3	<26.3	<26.3	<26.3	62.8
South Wall 2 @ 16'	11/30/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<26.0	<26.0	<26.0	<26.0	400
West Wall 1 @ 16'	11/30/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.8	<25.8	<25.8	<25.8	287
West Wall 2 @ 14'	11/30/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<26.0	<26.0	<26.0	<26.0	132
Pit Floor @ 4'	11/30/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<27.2	1,250	383	1,630	197
SP-2	12/03/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.5	<25.5	<25.5	<25.5	361
SP-3	12/03/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.8	<25.8	<25.8	<25.8	356
SP-4	12/03/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<26.0	<26.0	<26.0	<26.0	309
SP-5	12/03/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.5	<25.5	<25.5	<25.5	243
SP-6	12/03/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.3	<25.3	<25.3	<25.3	220
SP-7	12/03/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.3	<25.3	<25.3	<25.3	339
SP-8	12/03/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.3	<25.3	<25.3	<25.3	383
SP-9	12/03/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.8	<25.8	<25.8	<25.8	194
SP-10	12/03/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.5	<25.5	<25.5	<25.5	233
SP-11	12/03/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.5	<25.5	<25.5	<25.5	394
SP-12	12/03/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.8	<25.8	<25.8	<25.8	154
Topsoil	12/03/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<25.3	<25.3	<25.3	<25.3	66.5
North S-W 1A @ 14'	12/07/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<26.0	<26.0	<26.0	<26.0	230
East S-W 1 @ 14'	12/07/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<26.0	<26.0	<26.0	<26.0	197
West S-W 3 @ 14'	12/07/12	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<26.3	<26.3	<26.3	<26.3	284