RAYMONDVILLE DRAIN PROJECT
REAL ESTATE APPENDIX A4

ATTACHMENT C

HIDALGO COUNTY UTILITIES REPORT

Raymondville Drain Flood Control Project

Proposed Diversion Ditch

UTILITIES
ENGINEERING REPORT

Prepared for
Hidalgo County Drainage District # 1

Prepared by

S&B INFRASTRUCTURE, LTD.
Engineering ✣ Management ✣ Technology

Texas Firm No. F-1582

McAllen, TX

27 April 2016

Released Under the Authority of:
Sharlotte Lynne Teague, PE, Project Manager
Texas PE #62160

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1. Introduction

The purpose of this report is to provide an engineer's opinion of probable utility conflicts for the *North Main Drain Diversion Channel* (NMD-DC). As previously mentioned, the NMD-DC is within Section 1 of the Raymondville Drain Project. **Section 1 is subsequently divided into seven segments** (as shown in **Figure 1 – North Main Drain Diversion Channel (NMD-DC) Segment Map** on page 9); a brief description of each is outlined below:

- **Segment 1**: From Edinburg Lake to the Burns South Property Line 6,834.19 feet
- **Segment 2**: From the Burns South Property Line to Vernon Neuhaus South Property Line 11,781.40 feet
- **Segment 3**: From the Vernon Neuhaus South Property Line to US 281 8,449.36 feet
- **Segment 4**: From US 281 to 0.8 miles East 4,173.48 feet
- **Segment 5**: From 0.8 miles East of US 281 to 13,100 feet East (South of Airport) 13,107.49 feet
- **Segment 6**: From 3.3 miles East of US 281 to DLID Lateral L-5 29,319.28 feet

2. Executive Summary

In accordance with the Scope of Work, S&B Infrastructure took measures to identify the preliminary utility conflicts by means of:

a. Topographic Survey prepared by other engineering firms.
b. Railroad Commission Website
c. Delta Lake Irrigation Map
d. Santa Cruz Irrigation Map
e. Google Earth
f. Employing previously completed engineering reports.

3. Potential Conflict Locations

Each segment of the drain project contains potential utility conflicts which may include the following:

a. Gas Lines
b. Gas Wells
c. Gas Dry Holes
d. Telephone Lines
e. Power Poles
f. Power Lines
g. Irrigation Lines
h. Irrigation Stand Pipes

Below is a list of potential utilities for each segment along with their proposed relocation measures. Coordination was done with the utility companies to verify that such utilities exist and develop a relationship to begin the relocation process. The rough estimates provided are not final and are subject to change once actual relocation of the utility conflict begins.

Segment 1

ID	1
TYPE	Concrete Lined Canal
PROPOSED RELOCATION METHOD	SBI will design a structure which will offset the concrete canal and include culverts that will divert the drainage ditch
PROS	Pumps will not be required to divert the concrete canal under the proposed drainage ditch
CONS	The concrete canal will need to be shut down to make the connection to the diverted section
ESTIMATE	$2,422,945.00

ID	2
TYPE	Overhead Power Line
PROPOSED RELOCATION METHOD	The overhead power lines will not affect the proposed drainage ditch
PROS	The power lines run along the east ROW line away from the ditch opening
CONS	
ESTIMATE	Relocation is not necessary

ID	3
TYPE	Telephone line
PROPOSED RELOCATION METHOD	Horizontal Directional Drill to clear the bottom of the ditch
PROS	Telephone lines will not obstruct the area above the ditch
CONS	
ESTIMATE	$16,826.81

ID	4
TYPE	Telephone line
PROPOSED RELOCATION METHOD	Horizontal Directional Drill to clear the bottom of the ditch
PROS	Telephone lines will not obstruct the area above the ditch
CONS	Telephone line will need to be relocated to the south side of the road via Horizontal Directional Drill method
ESTIMATE	Is included in conflict ID 3

ID	5
TYPE	Telephone Pedestal
PROPOSED RELOCATION METHOD	Telephone pedestal will not be in conflict with the ditch opening
PROS	No relocation will be required
CONS	
ESTIMATE	Is included in conflict ID 3

ID	6
TYPE	Overhead Power Line
PROPOSED RELOCATION METHOD	Remove the power line and power poles that provide service to the building which will be removed
PROS	The overhead power line is an obstruction within the proposed drainage ditch ROW
CONS	
ESTIMATE	$742.59

ID	7
TYPE	Water Well
PROPOSED RELOCATION METHOD	Remove the water well that services the building which will be removed
PROS	The water well is an obstruction within the proposed drainage ditch ROW
CONS	
ESTIMATE	$1,971.00

ID	8
TYPE	Irrigation Line
PROPOSED RELOCATION METHOD	Remove the section of irrigation line that interferes with the drainage ditch ROW
PROS	The irrigation line is no longer in use
CONS	
ESTIMATE	$6,330.00

ID	9
TYPE	Irrigation Line
PROPOSED RELOCATION METHOD	Remove the section of irrigation line that interferes with the drainage ditch ROW
PROS	The irrigation line is no longer in use
CONS	
ESTIMATE	$5,486.00

ID	10
TYPE	24” Standpipe and Irrigation Line
PROPOSED RELOCATION METHOD	Remove the standpipe and section of irrigation line that interferes with the drainage ditch ROW
PROS	The standpipe and irrigation line are no longer in use
CONS	
ESTIMATE	$532.20

ID	11
TYPE	24” Standpipe
PROPOSED RELOCATION METHOD	Remove the standpipe that interferes with the drainage ditch ROW
PROS	The standpipe is no longer in use
CONS	
ESTIMATE	$108.20

ID	12
TYPE	Irrigation Line
PROPOSED RELOCATION METHOD	Remove the section of irrigation line that interferes with the drainage ditch ROW
PROS	The irrigation line is no longer in use
CONS	
ESTIMATE	$3,798.00

ID	13
TYPE	24” Standpipe
PROPOSED RELOCATION METHOD	Remove the standpipe that interferes with the drainage ditch ROW
PROS	The standpipe is no longer in use
CONS	
ESTIMATE	$108.20

ID	14
TYPE	Overhead Power Line
PROPOSED RELOCATION METHOD	Verify that the clearance from natural ground to the bottom of the power line is sufficient
PROS	Power poles do not affect the drainage ditch opening
CONS	
ESTIMATE	$13,893.00 (if relocation is required)

ID	15
TYPE	8” Gas Pipeline
PROPOSED RELOCATION METHOD	Horizontal Directional Drill a new section of gas line at the conflict location
PROS	The gas line will be out of the way for both interim and ultimate build of the drainage ditch
CONS	
ESTIMATE	$850,000.00

ID	16
TYPE	8” Gas Pipeline
PROPOSED RELOCATION METHOD	Horizontal Directional Drill a new section of gas line at the conflict location
PROS	The gas line will be out of the way for both interim and ultimate build of the drainage ditch
CONS	
ESTIMATE	$400,000.00

Segment 2

ID	17
TYPE	Irrigation Line
PROPOSED RELOCATION METHOD	Irrigation line will be relocated to cross the ditch aerial since it is a gravity line
PROS	Pumps will not be needed to pump the water under the ditch to the other side
CONS	Irrigation line will be exposed in the ditch
ESTIMATE	$3,262.50

ID	18
TYPE	Standpipe
PROPOSED RELOCATION METHOD	Standpipe will be removed and relocated with the relocation of the irrigation line
PROS	
CONS	
ESTIMATE	$844.00

ID	19
TYPE	Irrigation Line
PROPOSED RELOCATION METHOD	Irrigation line will be relocated to cross the ditch aerial since it is a gravity line
PROS	Pumps will not be needed to pump the water under the ditch to the other side
CONS	Irrigation line will be exposed in the ditch
ESTIMATE	$3,262.50

ID	20
TYPE	Overhead Power Line
PROPOSED RELOCATION METHOD	Power poles will be relocated to clear the ditch top opening
PROS	Less expensive than converting to underground service
CONS	
ESTIMATE	$13,893.00

ID	21
TYPE	High Voltage Power Line
PROPOSED RELOCATION METHOD	Power poles will be relocated to clear the ditch top opening
PROS	
CONS	High Voltage Current might incur higher cost when relocating
ESTIMATE	$65,905.00

ID	22
TYPE	24” Gas Line
PROPOSED RELOCATION METHOD	Gas line will be relocated to clear the bottom of the ditch
PROS	
CONS	
ESTIMATE	$1,400,000.00

Segment 3

ID	23
TYPE	8” Gas Line
PROPOSED RELOCATION METHOD	Horizontal Directional Drill a new section of gas line at the conflict location
PROS	
CONS	
ESTIMATE	$500,000.00

ID	24
TYPE	Water Line
PROPOSED RELOCATION METHOD	Relocate the water line before construction of the ditch.
PROS	
CONS	
ESTIMATE	$17,760.00

ID	25
TYPE	Overhead Power Line
PROPOSED RELOCATION METHOD	Power poles will be relocated to clear the ditch top opening
PROS	
CONS	
ESTIMATE	$13,893.00

ID	26
TYPE	Telephone Line
PROPOSED RELOCATION METHOD	Horizontal Directional Drill to clear the bottom of the ditch
PROS	Telephone lines will not obstruct the area above the ditch
CONS	
ESTIMATE	

ID	27
TYPE	Water Line
PROPOSED RELOCATION METHOD	Relocate the water line before construction of the ditch.
PROS	
CONS	
ESTIMATE	$17,760.00

ID	28
TYPE	Telephone Line
PROPOSED RELOCATION METHOD	Horizontal Directional Drill to clear the bottom of the ditch
PROS	Telephone lines will not obstruct the area above the ditch
CONS	
ESTIMATE	

ID	29
TYPE	Overhead Power Line
PROPOSED RELOCATION METHOD	Power poles will be relocated to clear the ditch top opening
PROS	
CONS	
ESTIMATE	$13,893.00

Segment 4
No potential utility conflicts exist.

Segment 5

ID	**30**
TYPE	Plugged Gas Well
PROPOSED RELOCATION METHOD	The plugged well will not have to be plugged deeper than existing
PROS	
CONS	The plugged well will be outside of the detention area
ESTIMATE	

ID	**31**
TYPE	Dry Hole
PROPOSED RELOCATION METHOD	The dry hole might have to be plugged deeper than existing
PROS	
CONS	The dry hole will be within the detention area
ESTIMATE	$75,000*

ID	**32**
TYPE	Plugged Gas Well
PROPOSED RELOCATION METHOD	The plugged well might have to be plugged deeper than existing
PROS	
CONS	The plugged well will be within the detention area
ESTIMATE	$75,000*

ID	**33**
TYPE	2” Gas Line
PROPOSED RELOCATION METHOD	The gas line is proposed to be relocated to the north side of the proposed drainage ditch
PROS	
CONS	
ESTIMATE	$1,500,000.00

ID	34
TYPE	Gas Well
PROPOSED RELOCATION METHOD	Gas company insists gas well must stay operational
PROS	Gas well will be able to remain operational
CONS	Gas well is encroaching about 75 feet from the north ROW
ESTIMATE	$75,000*

ID	35
TYPE	Plugged Gas Well
PROPOSED RELOCATION METHOD	The plugged well might have to be plugged deeper than existing
PROS	
CONS	The plugged well will be within the detention area
ESTIMATE	$75,000*

ID	36
TYPE	Plugged Gas Well
PROPOSED RELOCATION METHOD	The plugged well might have to be plugged deeper than existing
PROS	
CONS	The plugged well will be within the detention area
ESTIMATE	$75,000*

ID	37
TYPE	2” Gas Line
PROPOSED RELOCATION METHOD	Horizontal Directional Drill a new section of gas line at the conflict location before excavation of the ditch
PROS	Gas line will not be a conflict once ditch is excavated
CONS	
ESTIMATE	$1,500,000.00

ID	38
TYPE	Gas Line
PROPOSED RELOCATION METHOD	Gas line has been abandoned and is no longer in use. Verification of existence needs to be determined
PROS	Relocation will not be necessary
CONS	Removal of abandoned line will need to be coordinated
ESTIMATE	$1,500,000.00

ID	39
TYPE	Gas Line
PROPOSED RELOCATION METHOD	Gas line has been abandoned and is no longer in use. Verification of existence needs to be determined
PROS	Relocation will not be necessary
CONS	Removal of abandoned line will need to be coordinated
ESTIMATE	$1,500,000.00

ID	40
TYPE	Gas Line
PROPOSED RELOCATION METHOD	Horizontal Directional Drill a new section of gas line at the conflict location before excavation of the ditch
PROS	Gas line will not be a conflict once ditch is excavated
CONS	
ESTIMATE	$1,500,000.00

Segment 6

ID	41
TYPE	16” Gas Line
PROPOSED RELOCATION METHOD	Horizontal Directional Drill a new section of gas line at the conflict location before excavation of the ditch
PROS	Gas line will not be a conflict once ditch is excavated
CONS	
ESTIMATE	$1,500,000.00

ID	42
TYPE	26” Gas Line
PROPOSED RELOCATION METHOD	Horizontal Directional Drill a new section of gas line at the conflict location before excavation of the ditch
PROS	Gas line will not be a conflict once ditch is excavated
CONS	
ESTIMATE	$2,000,000.00

ID	43
TYPE	Gas Well
PROPOSED RELOCATION METHOD	No relocation required
PROS	Gas well should not interfere with the ROW of the drainage ditch
CONS	
ESTIMATE	

ID	44
TYPE	Overhead Power Line
PROPOSED RELOCATION METHOD	Power poles will be relocated to clear the ditch top opening
PROS	Less expensive than converting to underground service
CONS	
ESTIMATE	$13,893.00

ID	45
TYPE	Overhead Power Line
PROPOSED RELOCATION METHOD	Power poles will be relocated to clear the ditch top opening
PROS	Less expensive than converting to underground service
CONS	
ESTIMATE	$13,893.00

ID	46
TYPE	Irrigation Line
PROPOSED RELOCATION METHOD	Irrigation line will be relocated to cross the ditch aerial since it is a gravity line
PROS	Pumps will not be needed to pump the water under the ditch to the other side
CONS	Irrigation line will be exposed in the ditch
ESTIMATE	$1,893.00

ID	47
TYPE	Telephone Line
PROPOSED RELOCATION METHOD	Telephone company proposed to Horizontal Directional Drill the conflicting segment of telephone line
PROS	
CONS	
ESTIMATE	$23,503.00

ID	48
TYPE	Irrigation Line
PROPOSED RELOCATION METHOD	Irrigation line will be relocated to cross the ditch aerial since it is a gravity line
PROS	Pumps will not be needed to pump the water under the ditch to the other side
CONS	Irrigation line will be exposed in the ditch
ESTIMATE	$1,893.00

ID	49
TYPE	Overhead Power Line
PROPOSED RELOCATION METHOD	Power poles will be relocated to clear the ditch top opening
PROS	Less expensive than converting to underground service
CONS	
ESTIMATE	$13,893.00

ID	50
TYPE	12” Gas Line
PROPOSED RELOCATION METHOD	Gas company will relocate the gas line to clear the bottom of the ditch
PROS	Gas line will not be a conflict once excavation begins
CONS	
ESTIMATE	$1,500,000.00

ID	51
TYPE	Irrigation Line
PROPOSED RELOCATION METHOD	Irrigation line will be relocated to cross the ditch aerial since it is a gravity line
PROS	Pumps will not be needed to pump the water under the ditch to the other side
CONS	Irrigation line will be exposed in the ditch
ESTIMATE	$1,893.00

ID	52
TYPE	Irrigation Line
PROPOSED RELOCATION METHOD	Irrigation line will be relocated to cross the ditch aerial since it is a gravity line
PROS	Pumps will not be needed to pump the water under the ditch to the other side
CONS	Irrigation line will be exposed in the ditch
ESTIMATE	$1,893.00

ID	53
TYPE	Telephone Line
PROPOSED RELOCATION METHOD	Telephone company proposed to Horizontal Directional Drill the conflicting segment of telephone line
PROS	
CONS	
ESTIMATE	$22,896.00

ID	54
TYPE	Overhead Power Line
PROPOSED RELOCATION METHOD	Power poles will be relocated to clear the ditch top opening
PROS	Less expensive than converting to underground service
CONS	
ESTIMATE	$13,893.00

ID	55
TYPE	Irrigation Line
PROPOSED RELOCATION METHOD	Irrigation line will be relocated to cross the ditch aerial since it is a gravity line
PROS	Pumps will not be needed to pump the water under the ditch to the other side
CONS	Irrigation line will be exposed in the ditch
ESTIMATE	$1,893.00

ID	56
TYPE	30” Gas Line
PROPOSED RELOCATION METHOD	Gas line would need to be relocated if the ditch flow line needs to be deeper than existing
PROS	
CONS	The size of the gas line would affect the cost significantly if it were to be relocated
ESTIMATE	

4. Maps

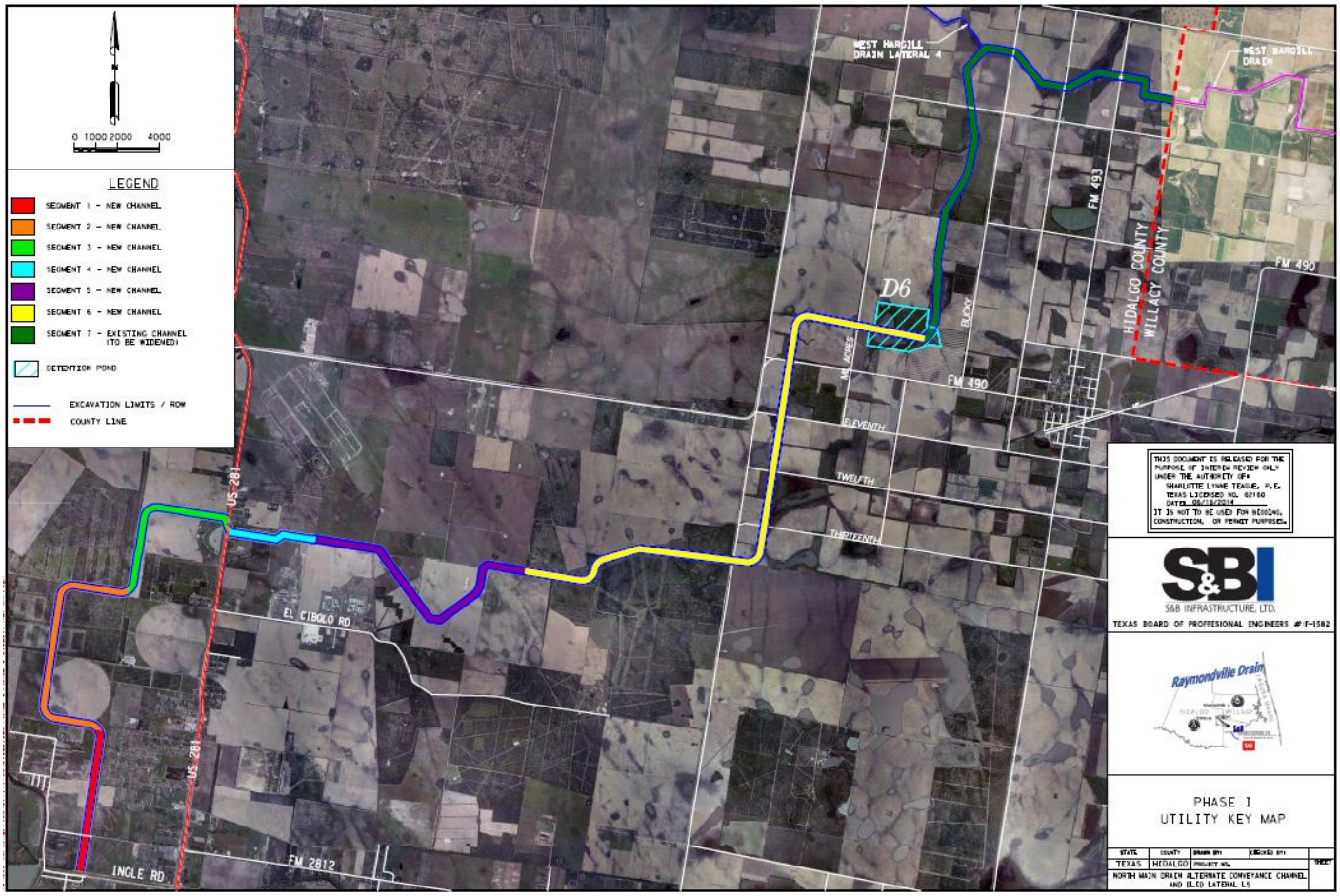


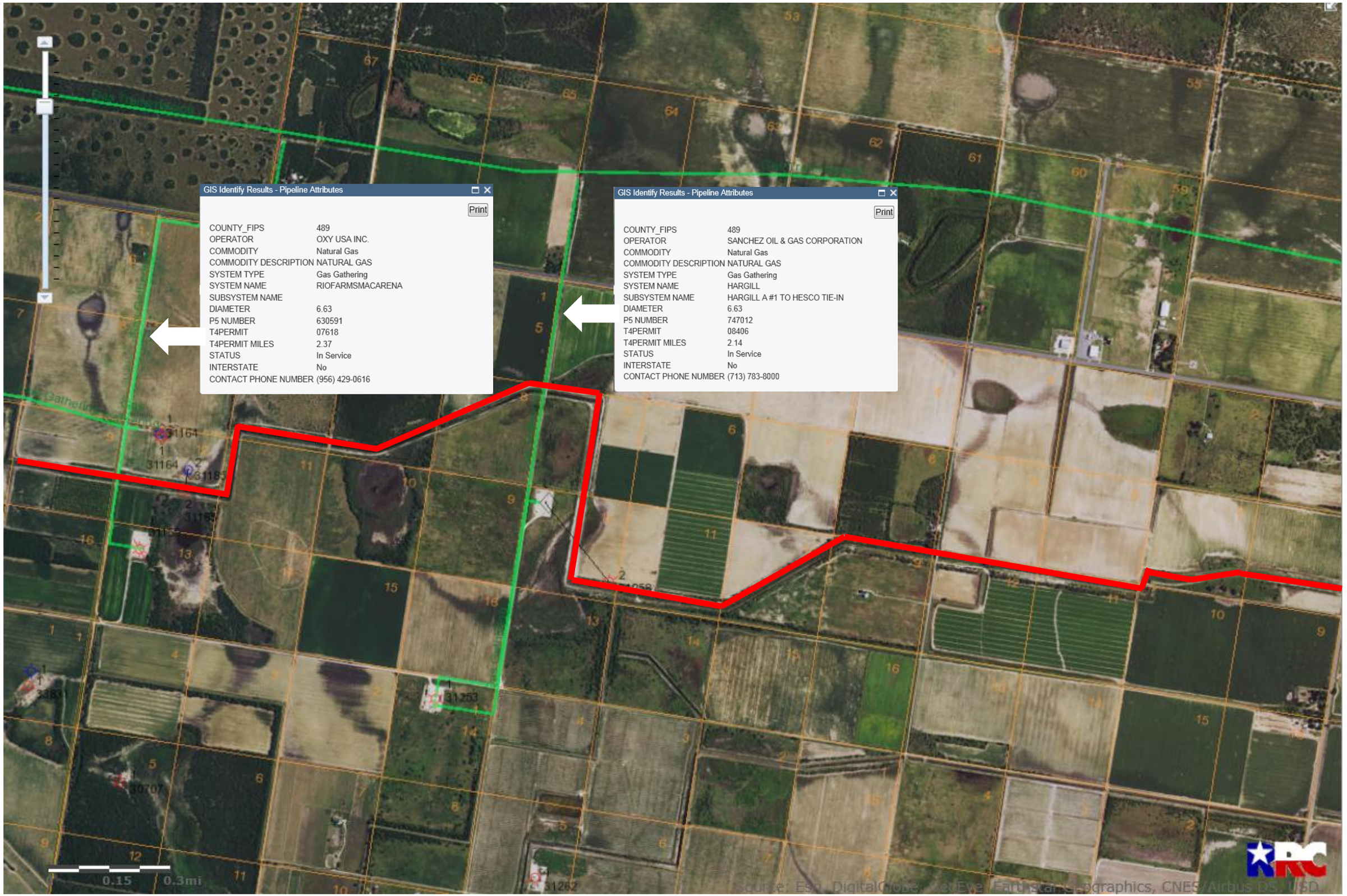
Figure 1: North Main Drain Diversion Channel (NMD-DC) Segment Map

*Price is a ballpark average of $9/ft at a depth of 8,600 ft.

PHASE	STATION	CONFLICT		UTILITY COMPANY	CONTACT NAME	CONTACT PHONE NUMBER	ADDRESS	ACTION	ESTIMATE	NOTES
		ID	TYPE							
PHASE 3	990+50		7" Gas Line	OXY USA INC.		(956) 429-0616				
	1034+00		24" Standpipe							
	1054+00		Power Line							
	1054+20		7" Gas Line	Sanchez Oil & Gas Corporation		(713) 783-8000				
	1091+00		18" Irrigation Line							
	1091-1105		Concrete lined canal							
	1105+00		18" Irrigation Line							
	1107+50		18" Irrigation Line							
	1134+00		Power Line	Magic Valley Electric Cooperative						
	1140+75		24" Irrigation Line & Concrete lined canal							
	1189+00		Power Line	Magic Valley Electric Cooperative						
	1202+25		Irrigation Canal							
	1257+30		24" Irrigation Line & Concrete lined canal							
	1265+25		60" Standpipe							
	1265+50		18" Irrigation Line							
	1308+20		36" Standpipe							
	1308+30		18" Irrigation Line							
	1315+75		24" Standpipe							
	1319+50		18" Standpipe							
	1319+50		18" Irrigation Line							
	1334+00		Power Line	Magic Valley Electric Cooperative						
	1376+00		18" Standpipe							
	1375.5-1386		Irrigation Canal							
	1383+75		(2) 18" Standpipe							
	1398+00		Power Line	Magic Valley Electric Cooperative						
	1398+60		18" Water Line							
	1399+80		24" Water Line							

PHASE	STATION	CONFLICT ID	CONFLICT TYPE	UTILITY COMPANY	CONTACT NAME	CONTACT PHONE NUMBER	ADDRESS	ACTION	ESTIMATE	NOTES
PHASE 6	1408+00		24" Standpipe							
	1408+60		18" Irrigation Line							
	1408+75		Concrete lined canal							
	1426+00		11" Gas Line	HESCO Pipeline Company, L.L.C.		(284) 408-1466				
	1449+00		11" Gas Line	DCP Midstream, LP		(303) 605-2167				Gas Line is exposed through ditch opening
	1490+00		3.5" Gas Line	Forest Oil Permian Corporation		(713) 754-6266				
	1491+00		Power Line	Magic Valley Electric Cooperative						
	1492+00		8.63" Gas Line	XTO Energy Inc.		(713) 871-4713				
	1680+00		Power Line	Magic Valley Electric Cooperative						
	1720-1764		Power Line	Magic Valley Electric Cooperative						
	1764+00		Power Line	Magic Valley Electric Cooperative						
	1765+30		24" Standpipe							
	1803+50		3.5" Gas Line	Tennessee Gas Pipeline Co. L.L.C.		(713) 369-9000				
	1816+00		Power Line	Magic Valley Electric Cooperative						
	1858+25		18" Irrigation Line							
	1858+30		24" Standpipe							
	1858+50		Concrete lined canal							
	1884+20		18" Irrigation Line							
	1884+20		24" Standpipe & 36" Standpipe							
	1884+50-1908		Irrigaiton canal							
	1884+70		12.75" Gas Line	DCP Texas Intrastate PL. LLC.		(303) 605-2167				
	1911+00		Power Line	Magic Valley Electric Cooperative						
	1949+50		6.63" Gas Line	HESCO Pipeline Company, L.L.C.		(281) 408-1466				Gas Line is exposed through ditch opening
	1935+60		18" Irrigation Line							
	1961+60		24" Irrigation Line							
	1961+60		Concrete lined canal							

PHASE	STATION	CONFLICT		UTILITY COMPANY	CONTACT NAME	CONTACT PHONE NUMBER	ADDRESS	ACTION	ESTIMATE	NOTES
		ID	TYPE							
PHASE 5	1968+00		Power Line	Magic Valley Electric Cooperative						
	1980+00		Power Line	Magic Valley Electric Cooperative						
	2038+50		6.63" Gas Line	Seadrift Pipeline Corporation		(979) 238-0361				
	2051+00		Power Line	AEP Texas						
	2205+50		12.75" Gas Line	DCP Texas Intrastate PL. LLC.		(303) 605-2167				
	2263+00		Power Line	Magic Valley Electric Cooperative						
	2444+75		12" Water Line							
	2445+00		Power Line	Magic Valley Electric Cooperative						
PHASE 4	2576+00		Power Line	AEP Texas						Company needs to be verified
	2657+00		Power Line	AEP Texas						
	2659+00		Power Line	AEP Texas						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COMMODITY Natural Gas
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SUBSYSTEM NAME
DIAMETER 6.63
P5 NUMBER 630591
T4PERMIT 07618
T4PERMIT MILES 2.37
STATUS In Service
INTERSTATE No
CONTACT PHONE NUMBER (956) 429-0616
GIS Identify Results - Pipeline Attributes
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COUNTY_FIPS 489
OPERATOR SANCHEZ OIL & GAS CORPORATION
COMMODITY Natural Gas
COMMODITY DESCRIPTION NATURAL GAS
SYSTEM TYPE Gas Gathering
SYSTEM NAME HARGILL
SUBSYSTEM NAME HARGILL A #1 TO HESCO TIE-IN
DIAMETER 6.63
P5 NUMBER 747012
T4PERMIT 08406
T4PERMIT MILES 2.14
STATUS In Service
INTERSTATE No
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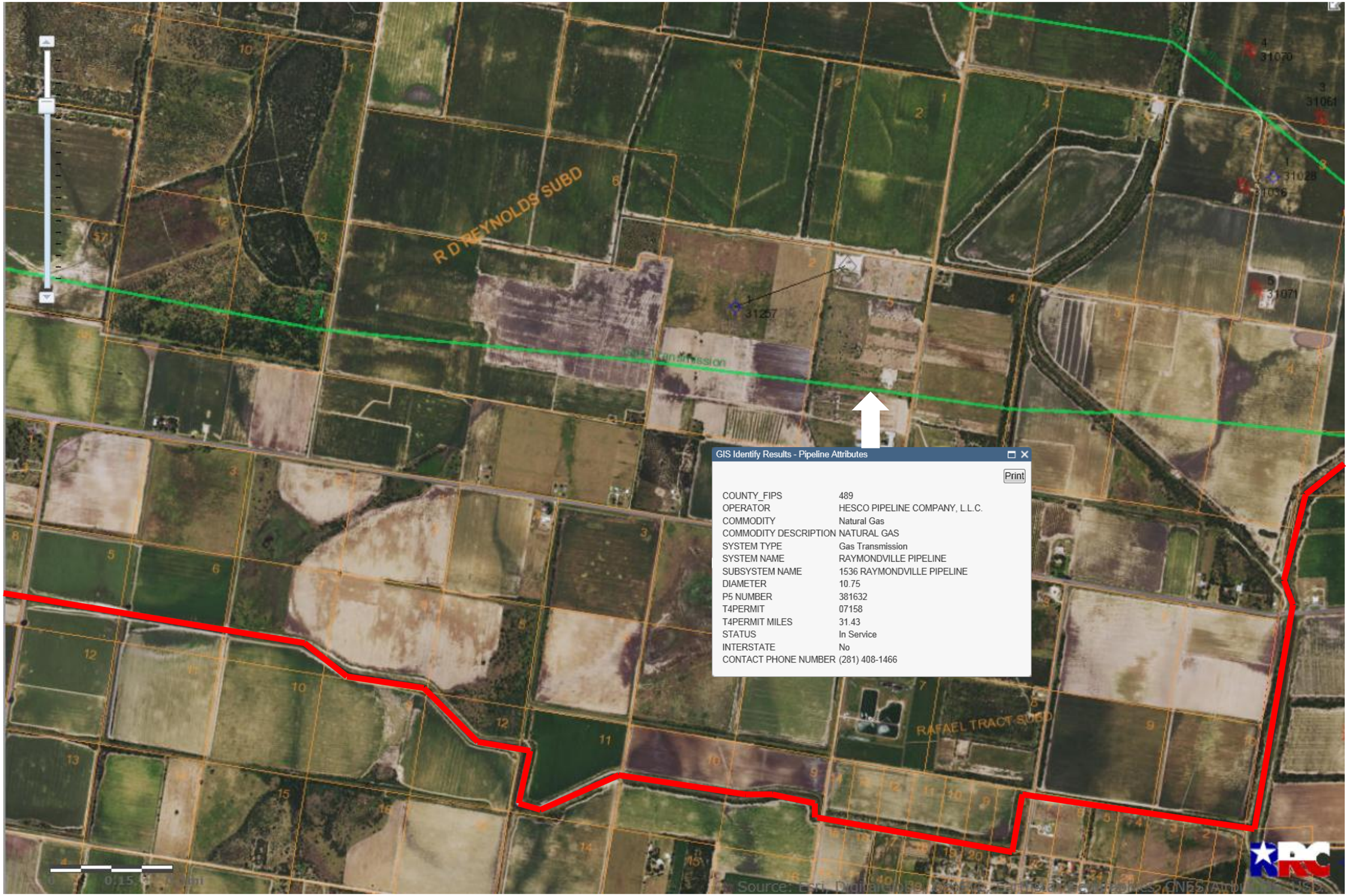
Source: Esri, DigitalGlobe, Earthstar Geographics, CNES/Airbus DS, USDA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RAFAEL TRACT SUBD
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OPERATOR HESCO PIPELINE COMPANY, L.L.C.
COMMODITY Natural Gas
COMMODITY DESCRIPTION NATURAL GAS
SYSTEM TYPE Gas Transmission
SYSTEM NAME RAYMONDVILLE PIPELINE
SUBSYSTEM NAME 1536 RAYMONDVILLE PIPELINE
DIAMETER 10.75
P5 NUMBER 381632
T4PERMIT 07158
T4PERMIT MILES 31.43
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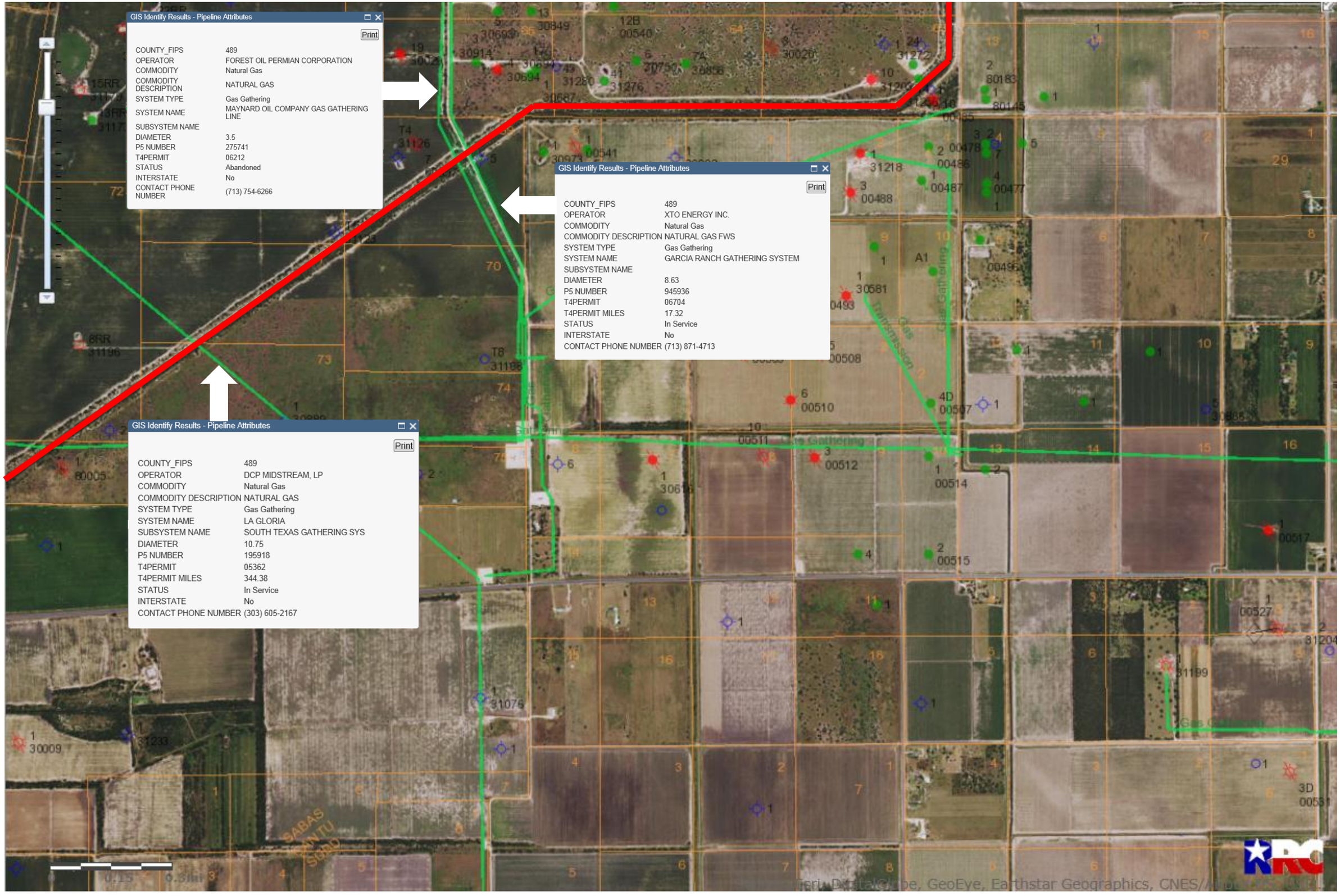
INTERSTATE No
CONTACT PHONE NUMBER (281) 408-1466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COUNTY_FIPS 489
OPERATOR FOREST OIL PERMIAN CORPORATION
COMMODITY Natural Gas
COMMODITY DESCRIPTION NATURAL GAS
SYSTEM TYPE Gas Gathering
SYSTEM NAME MAYNARD OIL COMPANY GAS GATHERING LINE
SUBSYSTEM NAME
DIAMETER 3.5
P5 NUMBER 275741
T4PERMIT 06212
STATUS Abandoned
INTERSTATE No
CONTACT PHONE NUMBER (713) 754-6266
GIS Identify Results - Pipeline Attributes
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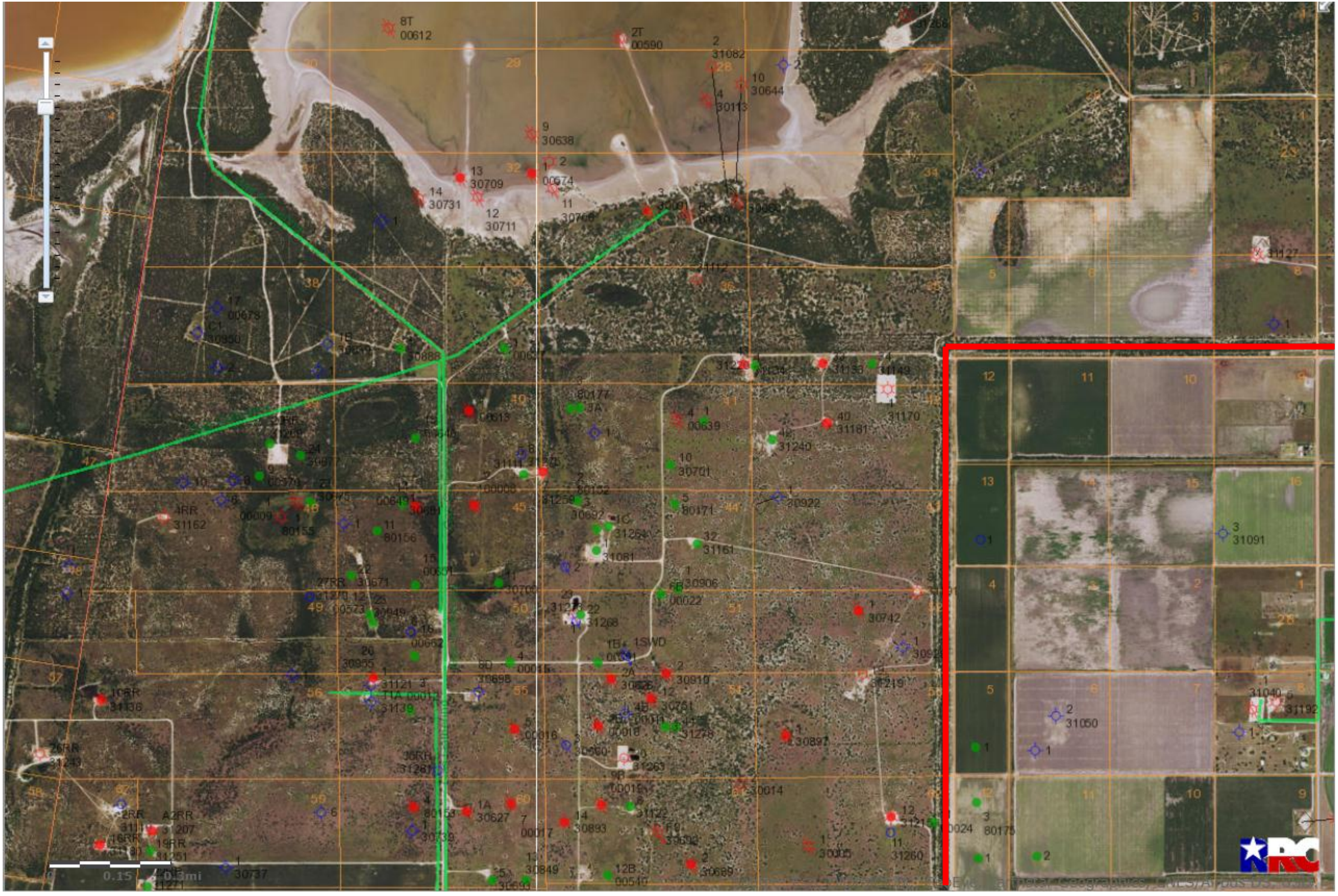
COUNTY_FIPS 489
OPERATOR XTO ENERGY INC.
COMMODITY Natural Gas
COMMODITY DESCRIPTION NATURAL GAS FWS
SYSTEM TYPE Gas Gathering
SYSTEM NAME GARCIA RANCH GATHERING SYSTEM
SUBSYSTEM NAME
DIAMETER 8.63
P5 NUMBER 945936
T4PERMIT 06704
T4PERMIT MILES 17.32
STATUS In Service
INTERSTATE No
CONTACT PHONE NUMBER (713) 871-4713
GIS Identify Results - Pipeline Attributes
Print
COUNTY_FIPS 489
OPERATOR DCP MIDSTREAM, LP
COMMODITY Natural Gas
COMMODITY DESCRIPTION NATURAL GAS
SYSTEM TYPE Gas Gathering
SYSTEM NAME LA GLORIA
SUBSYSTEM NAME SOUTH TEXAS GATHERING SYS
DIAMETER 10.75
P5 NUMBER 195918
T4PERMIT 05362
T4PERMIT MILES 344.38
STATUS In Service
INTERSTATE No
CONTACT PHONE NUMBER (303) 605-2167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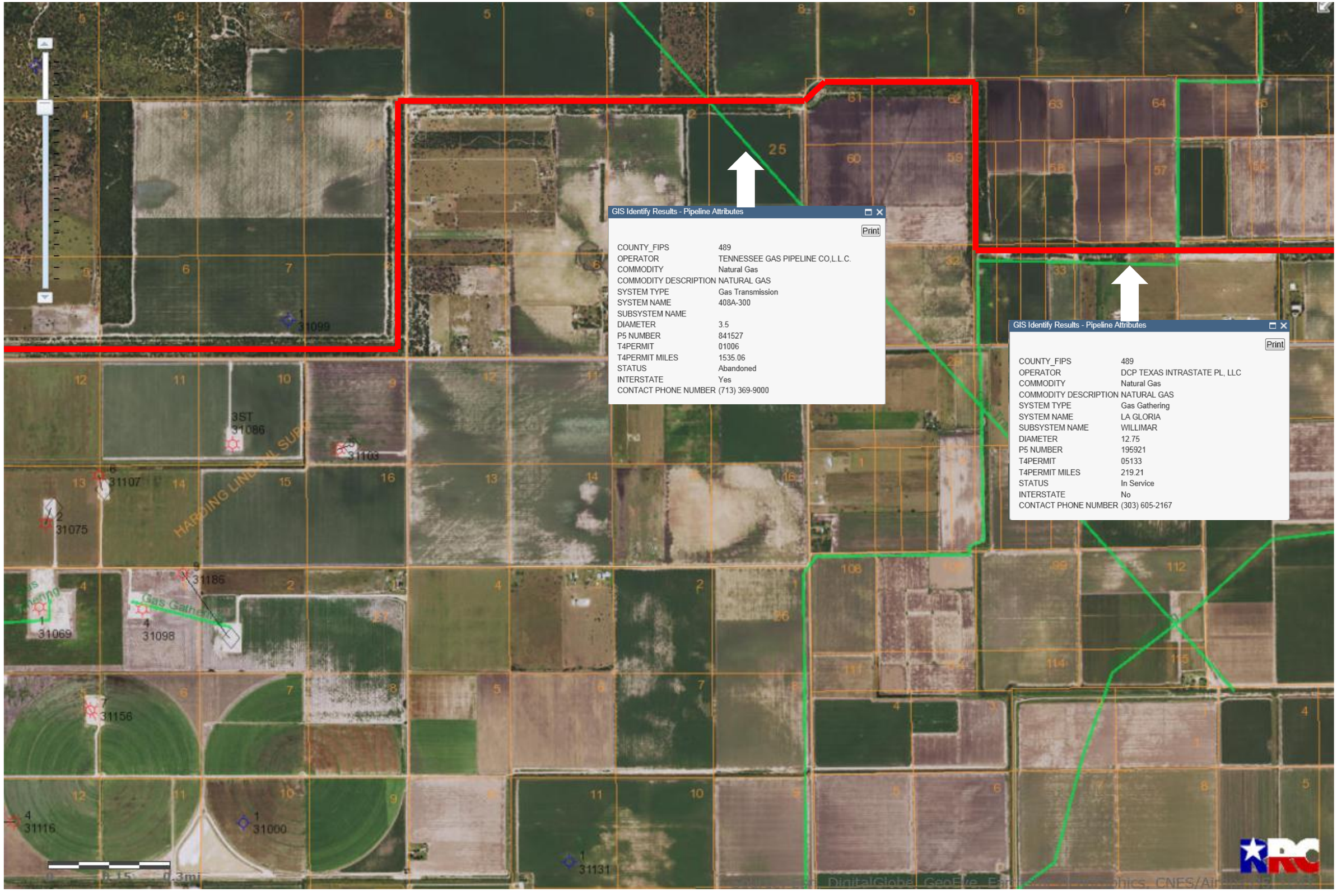
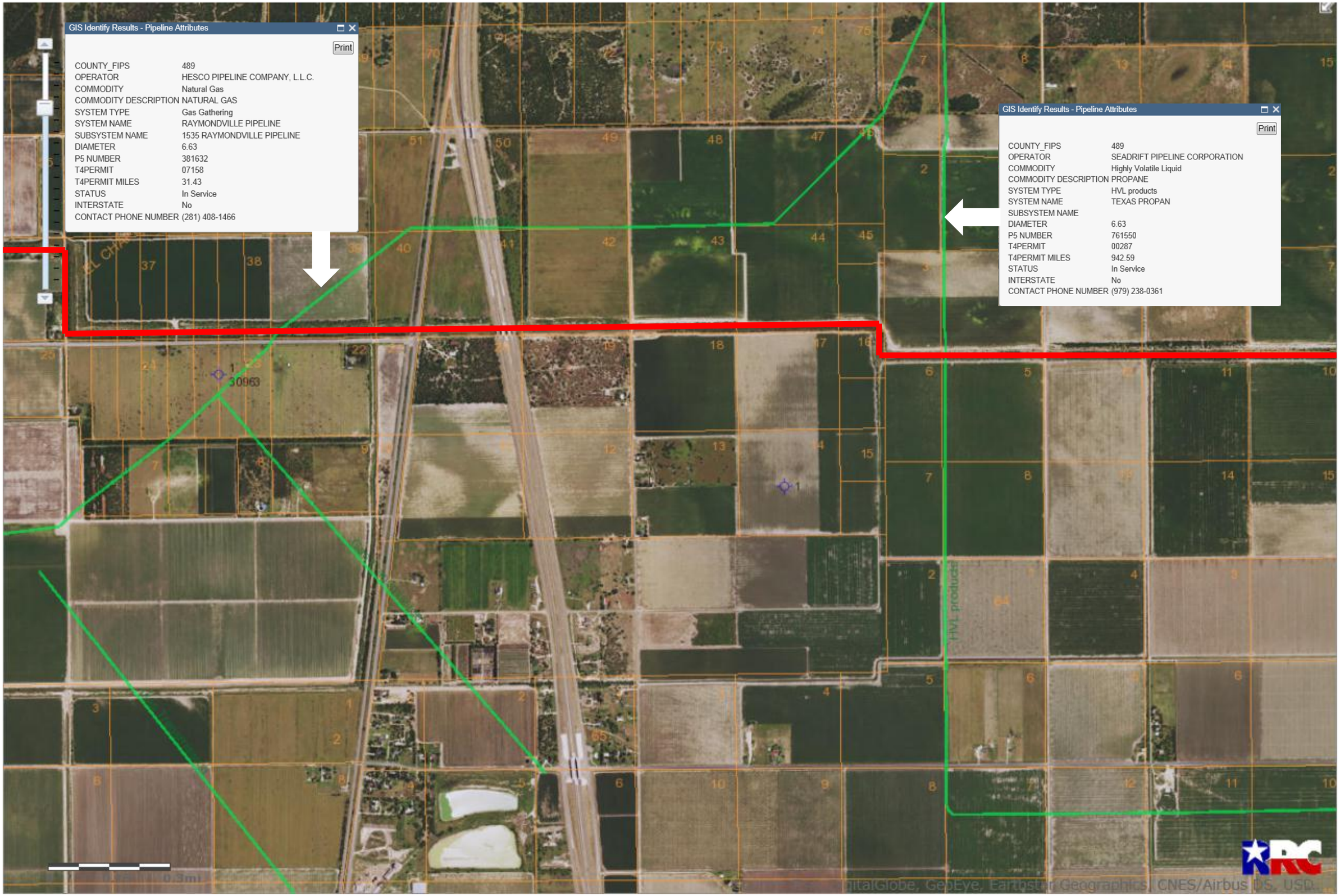
0.3mi


GIS Identify Results - Pipeline Attributes
Print
COUNTY_FIPS 489
OPERATOR TENNESSEE GAS PIPELINE CO,L.L.C.
COMMODITY Natural Gas
COMMODITY DESCRIPTION NATURAL GAS
SYSTEM TYPE Gas Transmission
SYSTEM NAME 408A-300
SUBSYSTEM NAME
DIAMETER 3.5
P5 NUMBER 841527
T4PERMIT 01006
T4PERMIT MILES 1535.06
STATUS Abandoned
INTERSTATE Yes
CONTACT PHONE NUMBER (713) 369-9000
GIS Identify Results - Pipeline Attributes
Print
COUNTY_FIPS 489
OPERATOR DCP TEXAS INTRASTATE PL, LLC
COMMODITY Natural Gas
COMMODITY DESCRIPTION NATURAL GAS
SYSTEM TYPE Gas Gathering
SYSTEM NAME LA GLORIA
SUBSYSTEM NAME WILLIMAR
DIAMETER 12.75
P5 NUMBER 195921
T4PERMIT 05133
T4PERMIT MILES 219.21
STATUS In Service
INTERSTATE No
CONTACT PHONE NUMBER (303) 605-2167
31099
3ST
31086
31103
31107
31075
31186
31069
31098
31156
31116
31000
31131
HARDING LINDSEY SURV
Gas Gathering
0.15
0.3mi
DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS


GIS Identify Results - Pipeline Attributes
Print
COUNTY_FIPS 489
OPERATOR HESCO PIPELINE COMPANY, L.L.C.
COMMODITY Natural Gas
COMMODITY DESCRIPTION NATURAL GAS
SYSTEM TYPE Gas Gathering
SYSTEM NAME RAYMONDVILLE PIPELINE
SUBSYSTEM NAME 1535 RAYMONDVILLE PIPELINE
DIAMETER 6.63
P5 NUMBER 381632
T4PERMIT 07158
T4PERMIT MILES 31.43
STATUS In Service
INTERSTATE No
CONTACT PHONE NUMBER (281) 408-1466
GIS Identify Results - Pipeline Attributes
Print
COUNTY_FIPS 489
OPERATOR SEADRIFT PIPELINE CORPORATION
COMMODITY Highly Volatile Liquid
COMMODITY DESCRIPTION PROPANE
SYSTEM TYPE HVL products
SYSTEM NAME TEXAS PROPAN
SUBSYSTEM NAME
DIAMETER 6.63
P5 NUMBER 761550
T4PERMIT 00287
T4PERMIT MILES 942.59
STATUS In Service
INTERSTATE No
CONTACT PHONE NUMBER (979) 238-0361
HVL product
0.3mi
DigitalGlobe, GeoEye, Earthstar Geographics | CNES/Airbus DS, USDA

GIS Identify Results - Pipeline Attributes

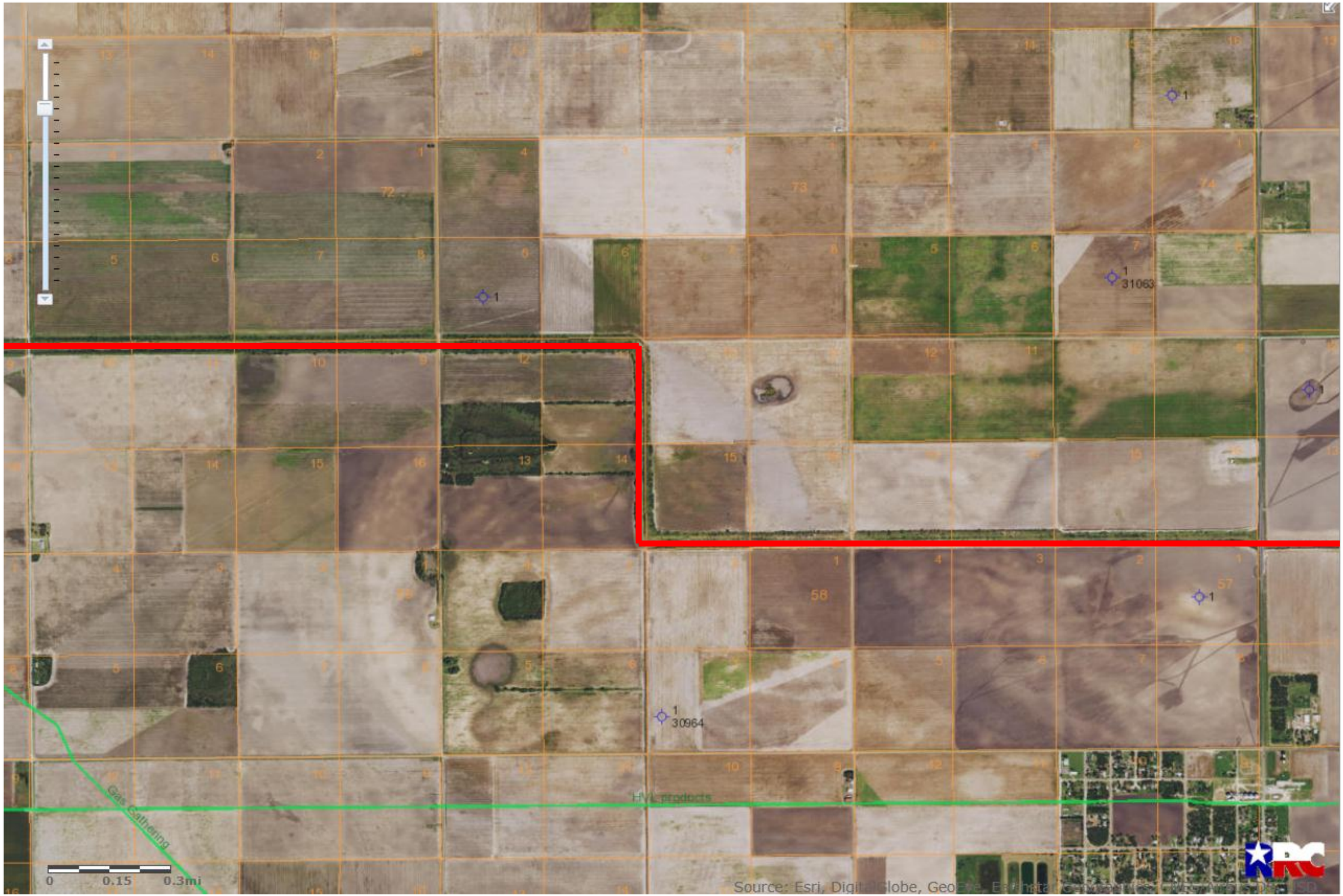
Print

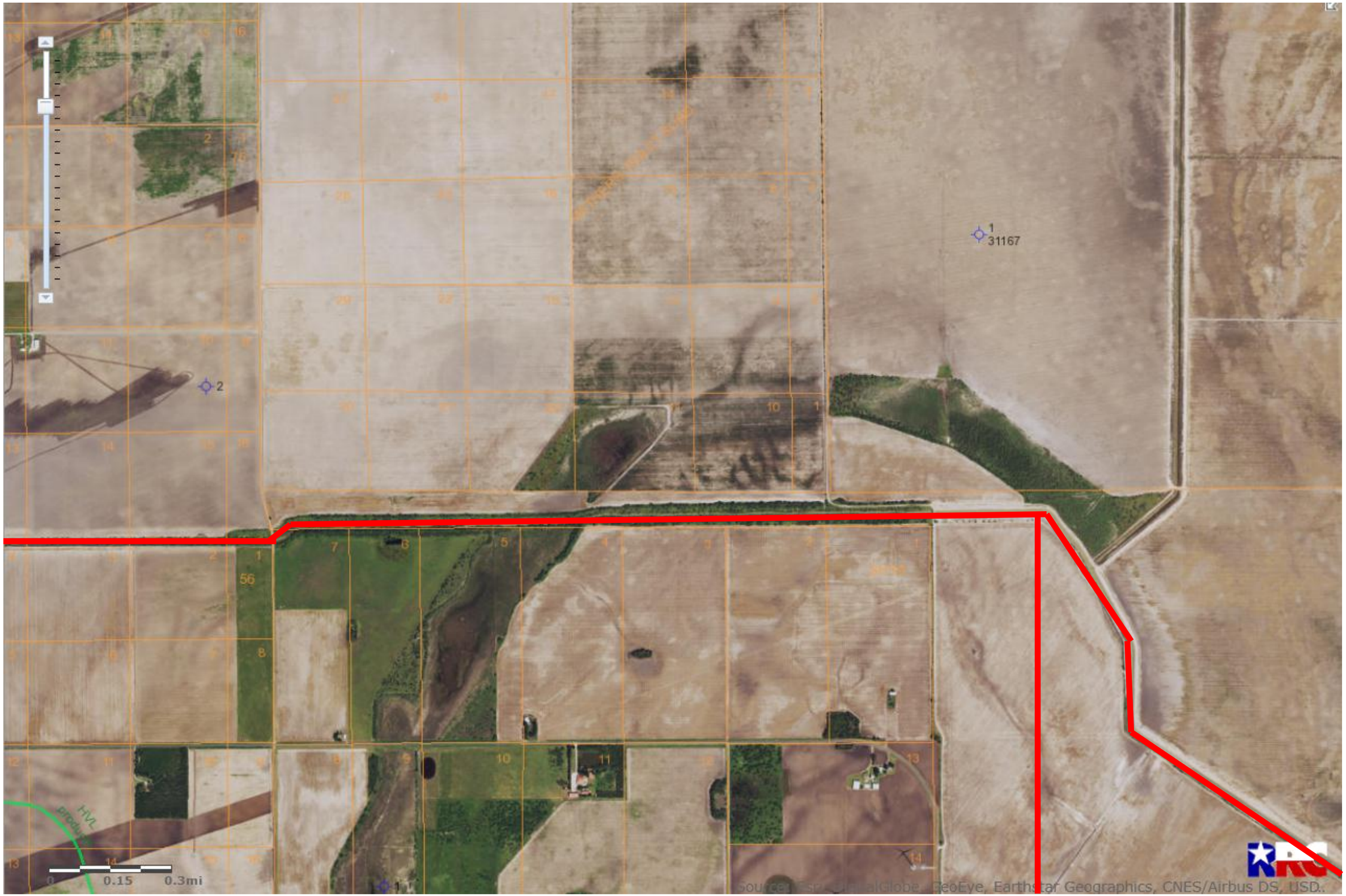
COUNTY_FIPS	489
OPERATOR	DCP TEXAS INTRASTATE PL, LLC
COMMODITY	Natural Gas
COMMODITY DESCRIPTION	NATURAL GAS
SYSTEM TYPE	Gas Gathering
SYSTEM NAME	LA GLORIA
SUBSYSTEM NAME	WILLIMAR
DIAMETER	12.75
P5 NUMBER	195921
T4PERMIT	05133
T4PERMIT MILES	219.21
STATUS	In Service
INTERSTATE	No
CONTACT PHONE NUMBER	(303) 605-2167

Gas Gathering

NGL products

CNES/Airbus DS, USD


1
1
31063
1
30964
Gas Gathering
HVL products
0
0.15
0.3mi
Source: Esri, Digital Globe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USD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0.3mi
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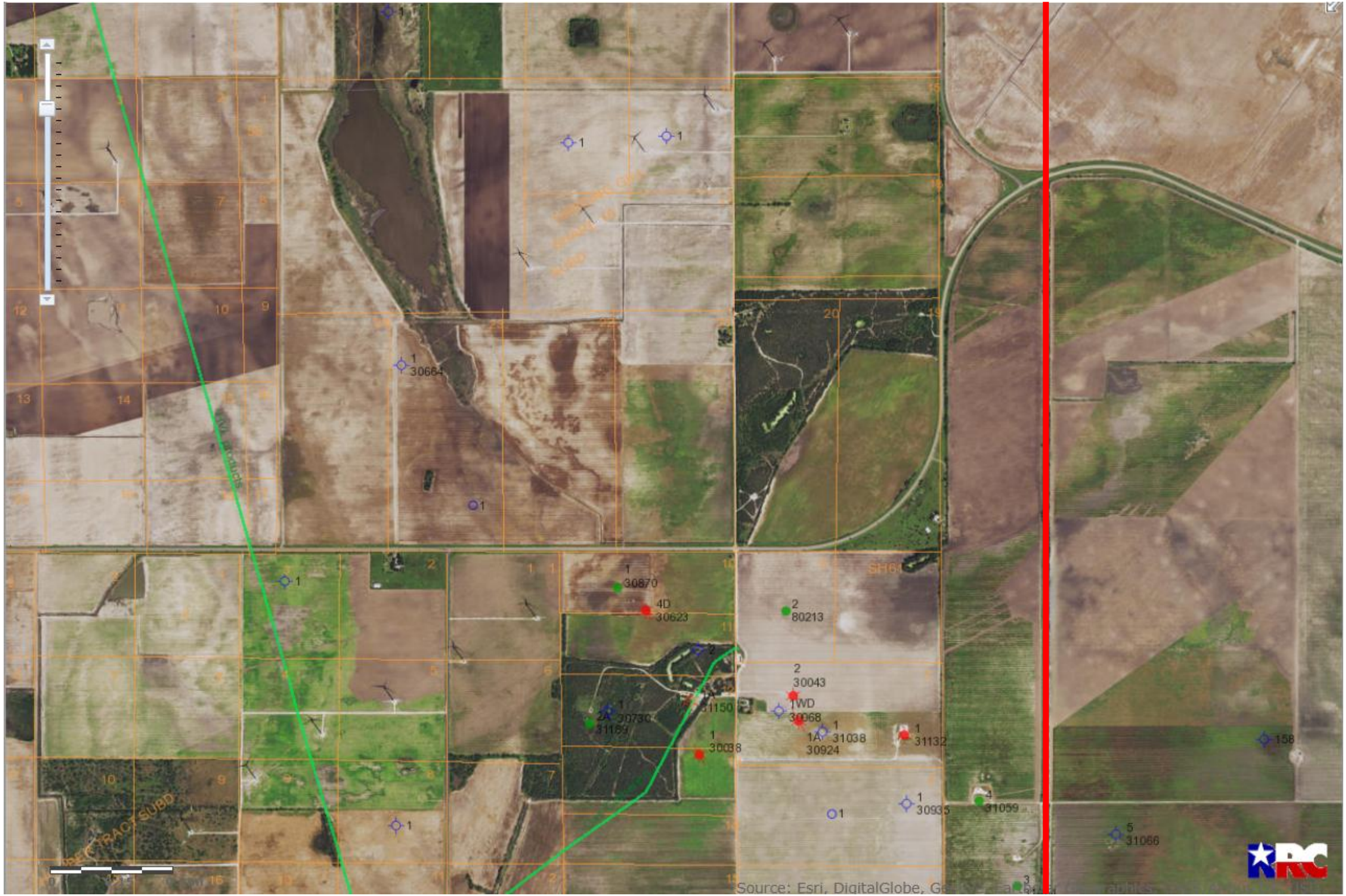
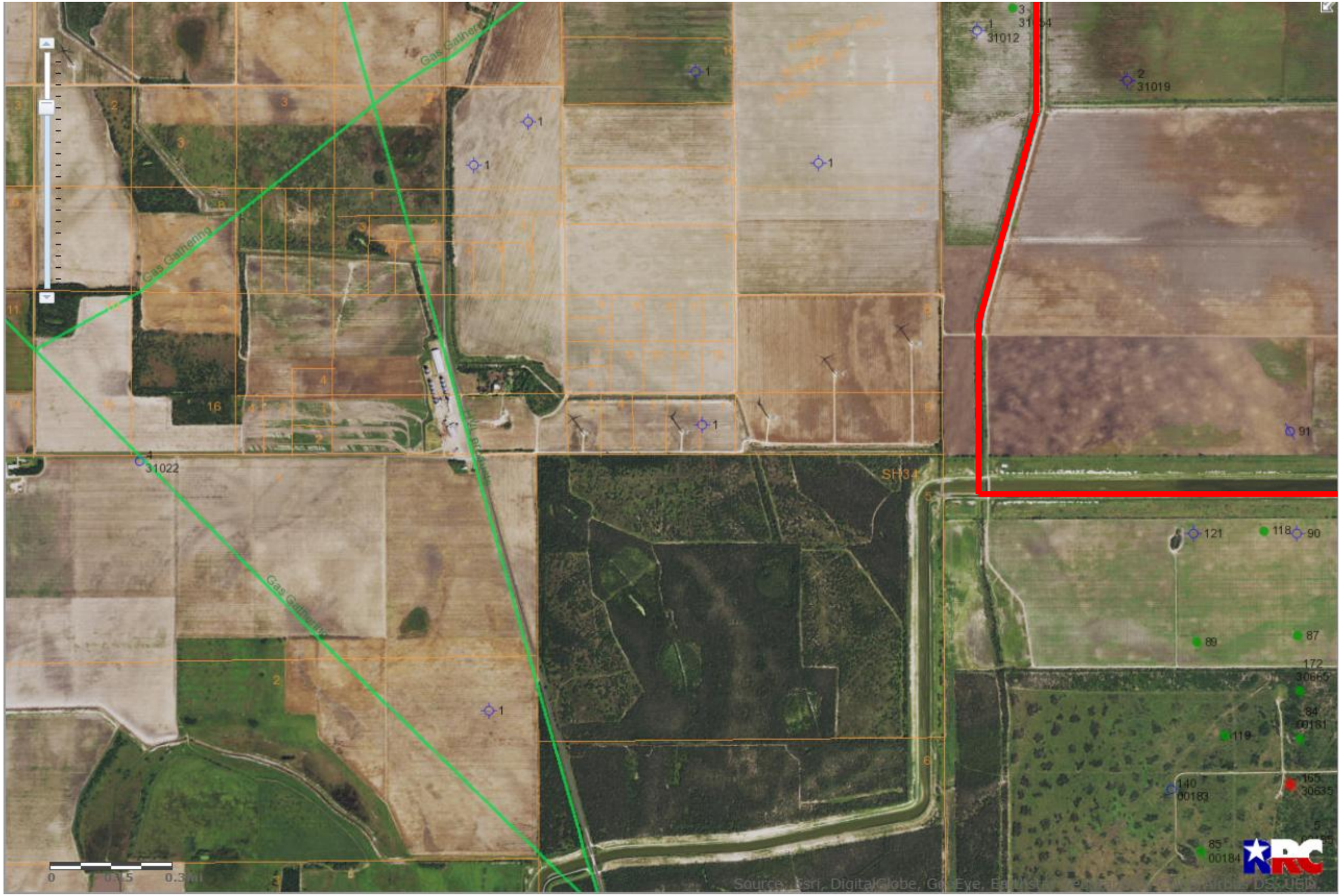

1
30664
1
30870
4D
30623
2
80213
2
30043
1WD
30068
1A
30924
1
31038
1
31132
1
30038
1
30933
4
31059
5
31066
158
Source: Esri, DigitalGlobe, G


Gas Gathering
Gas Gathering
Gas Gathering
SH34
31012
31019
31022
121
118
90
89
87
172
30665
84
00181
119
140
00183
155
30635
85
00184
91
0
0.15
0.3 mi
Source: Esri, DigitalGlobe, GeoEye, Earthstar