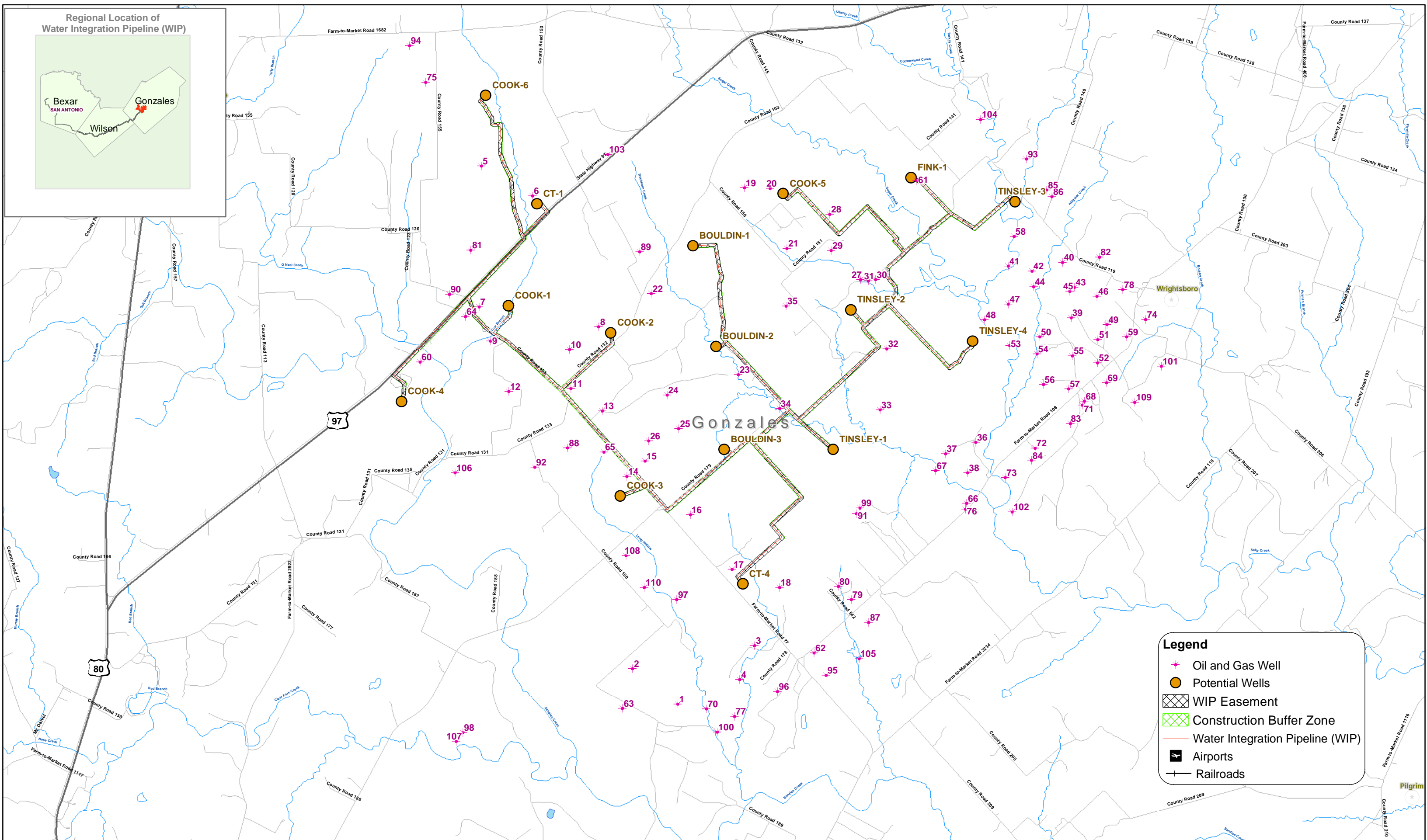


FIGURES

Figure 1: Oil and Gas Database Map

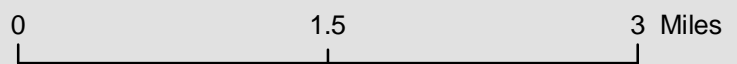
Regional Location of Water Integration Pipeline (WIP)



Legend

- ★ Oil and Gas Well
- Potential Wells
- ▨ WIP Easement
- ▨ Construction Buffer Zone
- Water Integration Pipeline (WIP)
- ✈ Airports
- Railroads

**Oil and Gas Well Database Map
Gonzales County Carrizo Aquifer Program (GCCAP)
Water Integration Pipeline (WIP)
---Well Field Segment---**



Projection: Stateplane Nad83 Texas South Central

APPENDIX A

REGULATORY DATABASE REVIEW



RADIUS REPORT

Property:

**Gonzales County Well Field
Gonzales County, TX
Project # 17,370 Acres**

Prepared For:

Drash Consulting Engineers

Job #: 15284 / Date: 04/15/04

GeoSearch

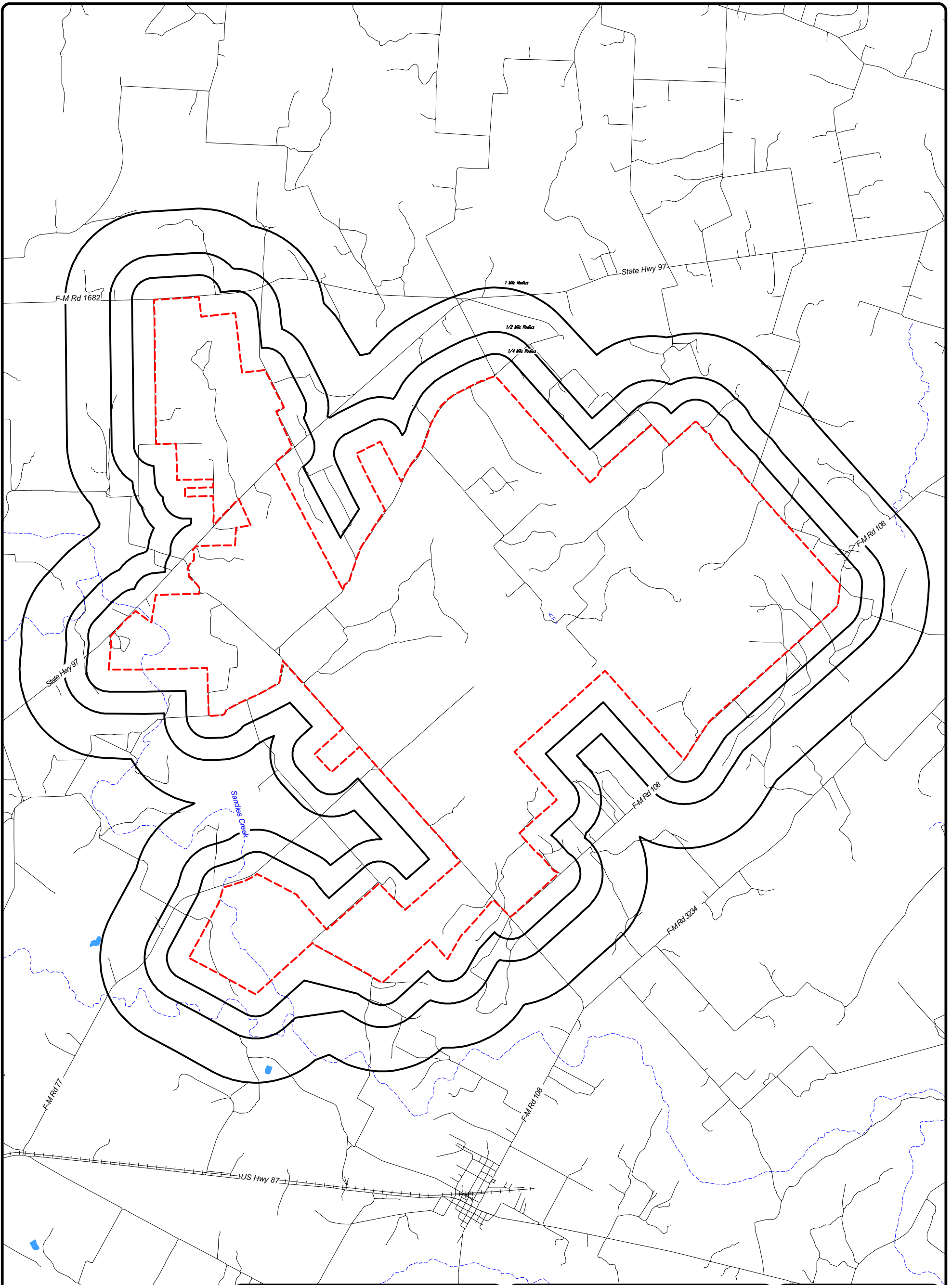
DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA-TABLE	UNLOCA-TABLE	SEARCH RADIUS
<u>FEDERAL</u>				
NATIONAL PRIORITY LIST	NPL	0	0	1.000 mi
DELISTED NATIONAL PRIORITY LIST	DNPL	0	0	1.000 mi
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION & LIABILITY INFORMATION SYSTEM	CERCLIS	0	0	0.500 mi
NO FURTHER REMEDIAL ACTION PLANNED	NFRAP	0	1	0.500 mi
RESOURCE CONSERVATION & RECOVERY ACT INFORMATION SYSTEM - CORRECTIVE ACTION	RCRISC	0	0	1.000 mi
RESOURCE CONSERVATION & RECOVERY ACT INFORMATION SYSTEM - TREATMENT, STORAGE & DISPOSAL	RCRIST	0	0	0.500 mi
RESOURCE CONSERVATION & RECOVERY ACT INFORMATION SYSTEM - GENERATOR / HANDLER	RCRISG	0	0	0.250 mi
EMERGENCY RESPONSE NOTIFICATION SYSTEM	ERNS	0	0	0.250 mi
<u>STATE</u>				
STATE SUPERFUND	TXSF	0	0	1.000 mi
LEAKING PETROLEUM STORAGE TANK	LPST	0	0	0.500 mi
PETROLEUM STORAGE TANKS	PST	0	5	0.250 mi
SPILLS LISTING	SPILLS	0	0	0.250 mi
MUNICIPAL SOLID WASTE LANDFILL SITES	MSWLF	0	0	0.500 mi
VOLUNTARY CLEANUP PROGRAM	VCP	0	0	0.500 mi
CLOSED & ABANDONED LANDFILL INVENTORY	CALF	0	0	0.500 mi
TOTAL		0	6	


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APPROXIMATE LOCATIONS ONLY

 PROPERTY BOUNDARY

SITE MAP

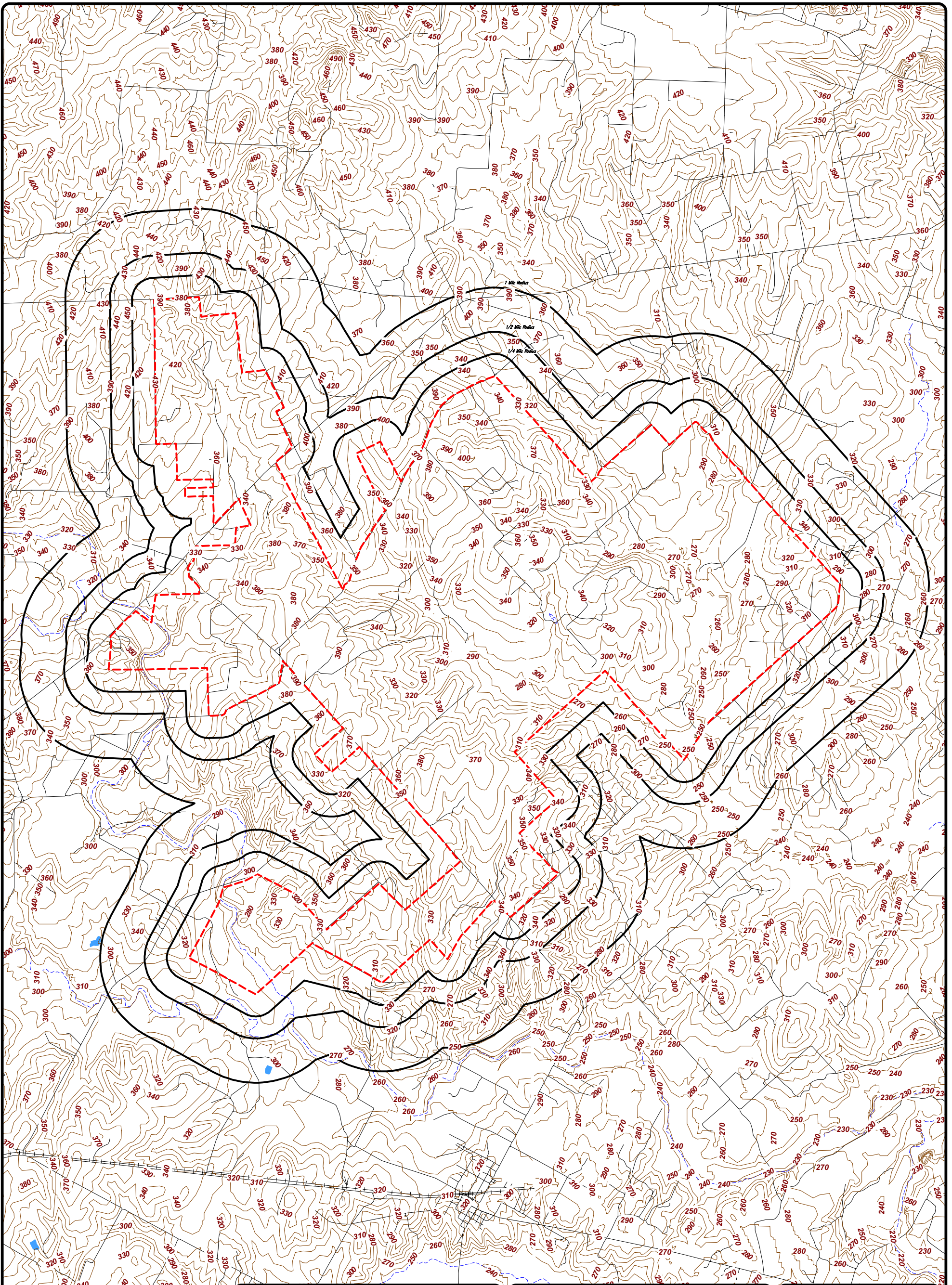
Gonzales County Well Field
Gonzales County, TX
Project #: 17,370 Acres



0' 2750' 5500' 8250'

SCALE: 1" = 5500'




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Austin, Texas 78746
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 PROPERTY BOUNDARY
 CONTOUR INTERVAL

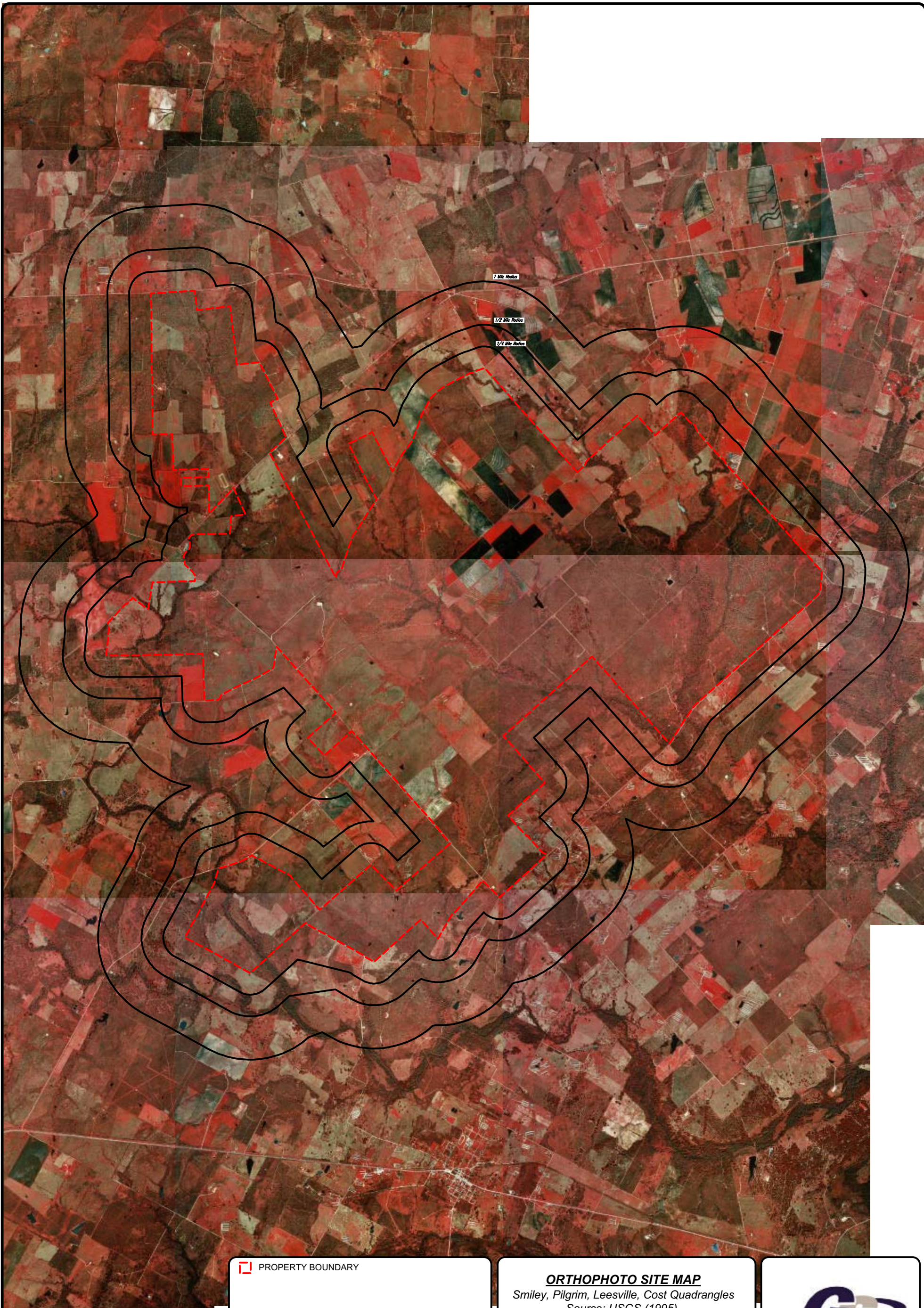
SITE/CONTOUR MAP
 Smiley, Pilgrim, Leesville, Cost Quadrangles
 Source: USGS Digital Elevation Model

 Gonzales County Well Field
 Gonzales County, TX
 Project #: 17,370 Acres

0' 2750' 5500' 8250'

 SCALE: 1" = 5500'



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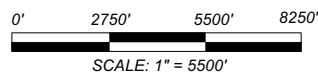
APPROXIMATE LOCATIONS ONLY

 PROPERTY BOUNDARY

ORTHOPHOTO SITE MAP

Smiley, Pilgrim, Leesville, Cost Quadrangles
Source: USGS (1995)

Gonzales County Well Field
Gonzales County, TX
Project #: 17,370 Acres



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REPORT SUMMARY OF UNLOCATABLE SITES

The list below identifies sites that are found to be unlocatable due to vague or incomplete location information. Sites on this list may or may not be located within the area searched for this report.

DATABASE TYPE	SITE ID#	SITE NAME	ADDRESS	CITY	ZIP CODE
NFRAP	TXD981601727	LINDEMANN FERTILIZER	HWY 97 .5 MI E OF FM 466	COST	78614
PST	0040516	GUADALUPE VALLEY TELEPHONE CO-OP	67 E FM 466	COST	78614
PST	0055993	LINDEMANN FERTILIZER SERV INC	HCR-01	COST	78614
PST	0060236	SMILEY PRODUCE & FEED	FM 108	SMILEY	78159
PST	0071717	WILLIAM FINK & SON	3 MI W OF COST CR 140	COST	78614
PST	0072033	HOLMES FOODS INC	FM 108	GONZALES	78629

ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

CERCLIS	Comprehensive Environmental Response, Compensation & Liability Information System	(12/2003)	ASTM
---------	---	-----------	------

CERCLIS is the repository for site and non-site specific Superfund information in support of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). This database contains an extract of sites that have been investigated or are in the process of being investigated for potential environmental risk.

DNPL	Delisted National Priority List	(12/2003)	ASTM
------	---------------------------------	-----------	------

This database includes U.S. Environmental Protection Agency (EPA) Final National Priority List sites where remedies have proven to be satisfactory or sites where the original analyses were inaccurate, and the site is no longer appropriate for inclusion on the NPL, and final publication in the Federal Register has occurred.

ERNS	Emergency Response Notification System	(12/2002)	ASTM
------	--	-----------	------

This EPA database contains data on reported releases of oil and hazardous substances. The data comes from spill reports made to the EPA, U.S. Coast Guard, the National Response Center and/or the Department of Transportation.

FINDS	Facility Index System	(2/2003)	ASTM Supplemental
-------	-----------------------	----------	-------------------

FINDS data is a comprehensive listing of facilities regulated under a variety of EPA programs. The FINDS database provides some basic information about each facility and a listing of ID numbers in other EPA databases.

HMIRS	Hazardous Materials Incident Reporting System	(2/2004)	ASTM Supplemental
-------	---	----------	-------------------

The HMIRS database contains unintentional hazardous materials release information reported to the US Department of Transportation.

NFRAP	No Further Remedial Action Planned	(12/2003)	ASTM
-------	------------------------------------	-----------	------

This database includes sites, which have been determined by the EPA, following preliminary assessment, to no longer pose a significant risk or require further activity under CERCLA. After initial investigation, no contamination was found, contamination was quickly removed or contamination was not serious enough to require Federal Superfund action or NPL consideration.

NPDES	National Pollutant Discharge Elimination System	(2/2003)	ASTM Supplemental
-------	---	----------	-------------------

Information in this database is extracted from the (PCS) Water Permit Compliance System database which is used by EPA to track surface water permits issued under the Clean Water Act.

NPL	National Priority List	(12/2003)	ASTM
-----	------------------------	-----------	------

This database includes U.S. Environmental Protection Agency (EPA) National Priority List sites that fall under the EPA's Superfund program, established to fund the cleanup of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action.



ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

RCRIS	Resource Conservation & Recovery Act Information System (1/2004)	ASTM
-------	--	------

This databases include Handlers, Generators (Large, Small, and Exempt), Transporters, Violations, Corrective Actions, and Treatment, Storage & Disposal Facilities (TSD) (this database includes selective information on sites which handle, generate, transport, store, treat, or dispose of hazardous wastes). See RCRIS Description page for more information.

TRI	Toxics Release Inventory	(12/2002) ASTM Supplemental
-----	--------------------------	-----------------------------

This EPA database includes information about releases and transfers of toxic chemicals from manufacturing facilities.



ENVIRONMENTAL RECORDS DEFINITIONS - STATE

BSA	Brownfields Site Assessments	(6/2003)	ASTM Supplemental
-----	------------------------------	----------	-------------------

The BSA database includes relevant information on contaminated Brownfields properties that are being cleaned.

CALF	Closed & Abandoned Landfill Inventory		ASTM
------	---------------------------------------	--	------

TCEQ, under a contract with Texas State University, and in cooperation with the 24 regional Council of Governments in the State, has located over 4,000 closed and abandoned municipal solid waste landfills throughout Texas. This listing contains "unauthorized sites". Unauthorized sites have no permit and are considered abandoned. The information available for each site varies in detail.

IHW	Industrial And Hazardous Waste	(9/2003)	ASTM Supplemental
-----	--------------------------------	----------	-------------------

Owner and facility information is included in this database of industrial and hazardous waste sites. Industrial waste is waste that results from or is incidental to operations of industry, manufacturing, mining, or agriculture. Hazardous waste is defined as any solid waste listed as hazardous or possesses one or more hazardous characteristics as defined in federal waste regulations.

IOP	Innocent Owner / Operator	(1/2004)	ASTM Supplemental
-----	---------------------------	----------	-------------------

Texas Innocent Owner / Operator (IOP) provides a certificate to an innocent owner or operator if their property is contaminated as a result of a release or migration of contaminants from a source or sources not located on the property, and they did not cause or contribute to the source or sources of contamination.

LPST	Leaking Petroleum Storage Tank	(12/2003)	ASTM
------	--------------------------------	-----------	------

The Leaking Underground Storage Tank listing is derived from the Petroleum Storage Tank (PST) database and is maintained by the Texas Commission on Environmental Quality (TCEQ). This database includes facilities with reported leaking petroleum storage tanks.

MSWLF	Municipal Solid Waste Landfill Sites	(3/2003)	ASTM
-------	--------------------------------------	----------	------

Sites listed within a solid waste landfill database may include active landfills and inactive landfills, where solid waste is treated or stored.

PST	Petroleum Storage Tank	(12/2003)	ASTM
-----	------------------------	-----------	------

The Underground Storage Tank listing is derived from the Petroleum Storage Tank database which is administered by the TCEQ (Texas Commission on Environmental Quality). Both Underground storage tanks (USTs) and Aboveground storage tanks (ASTs) are included in this report.

SPILLS	Spills Listing	(7/2003)	ASTM
--------	----------------	----------	------

The Texas Commission on Environmental Quality provides this database. Information includes releases of hazardous or potential hazardous chemical/materials into the environment.

TXSF	State Superfund	(5/2003)	ASTM
------	-----------------	----------	------

The state Superfund program mission is to remediate abandoned or inactive sites within the state



ENVIRONMENTAL RECORDS DEFINITIONS - STATE

that pose an unacceptable risk to public health and safety or the environment, but which do not qualify for action under the federal Superfund program (NPL - National Priority Listing). Information in this database includes any recent developments and the anticipated action for these sites.

VCP	Voluntary Cleanup Program	(1/2004)	ASTM Supplemental
-----	---------------------------	----------	-------------------

The Texas Voluntary Cleanup Program (VCP) provides administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas. Since all non-responsible parties, including future lenders and landowners, receive protection from liability to the state of Texas for cleanup of sites under the VCP, most of the constraints for completing real estate transactions at those sites are eliminated. As a result, many unused or underused properties may be restored to economically productive or community beneficial uses.



RCRIS – Descriptions

Acronyms

RCRISG – RCRIS GENERATOR/HANDLER

RCRIST – RCRIS TSD

RCRISC – RCRIS CORRECTIVE ACTION

Generator Types

Large Quantity Generators:

- Generate 1,000 kg or more of hazardous waste during any calendar month; or
- Generate more than 1 kg of acutely hazardous waste during any calendar month; or
- Generate more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month; or
- Generate 1 kg or less of acutely hazardous waste during any calendar month, and accumulate more than 1kg of acutely hazardous waste at any time; or
- Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulated more than 100 kg or that material at any time.

Small Quantity Generators:

- Generate more than 100 and less than 1000 kilograms of hazardous waste during any calendar month and accumulate less than 6000 kg of hazardous waste at any time; or
- Generate 100 kg or less of hazardous waste during any calendar month, and accumulate more than 1000 kg of hazardous waste at any time.

Conditionally Exempt Small Quantity Generators:

- Generate 100 kilograms or less of hazardous waste per calendar month, and accumulate 1000 kg or less of hazardous waste at any time; or
- Generate one kilogram or less of acutely hazardous waste per calendar month, and accumulate at any time:
 - 1 kg or less of acutely hazardous waste; or
 - 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste; or
- Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month, and accumulate at any time:
 - 1 kg or less of acutely hazardous waste; or
 - 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste.

TSD Indicator: Indicates that the handler is engaged in the treatment, storage or disposal of hazardous waste.

Allowed Values: TSD

Not a TSD, Verified

Not a TSD, Unverified

Transporter Indicator: Indicates that the handler is engaged in the transportation of hazardous waste.

Allowed Values: Handler transports wastes for hire (i.e., commercial transport)

Handler transports wastes for self

Handler transports wastes, but commercial status is unknown

Not a transporter, verified

Unverified



APPENDIX B

PRELIMINARY SURFACE WATER ASSESSMENT

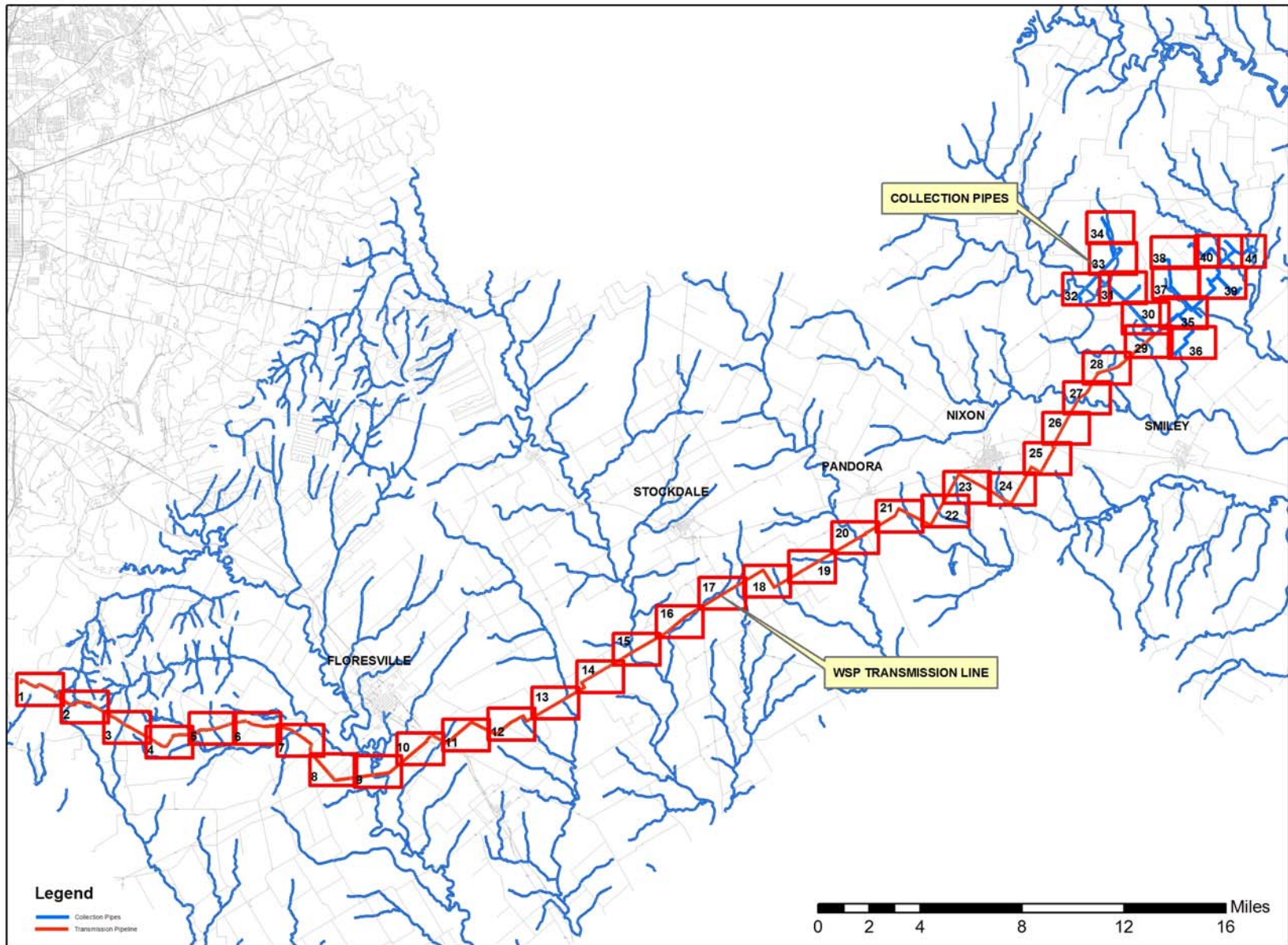


Figure 1. View of the Gonzales County Carrizo Aquifer Program transmission line and collection pipes showing the location of sections used to provide a closer view of surface waters impacted by the project.

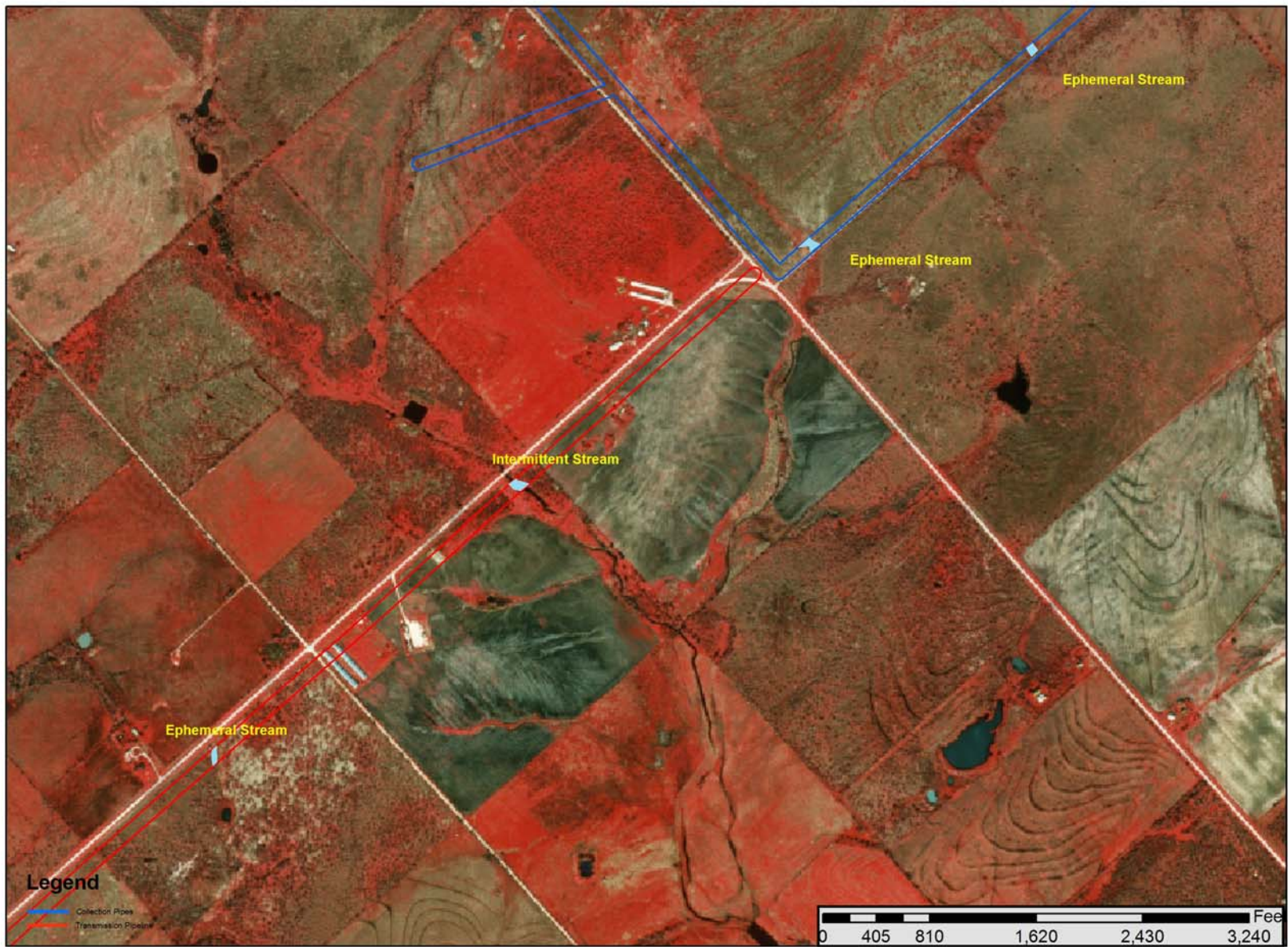


Figure 30. Detailed view of Section 29 showing the surface waters potentially impacted by the Gonzales County Carrizo Aquifer Program.

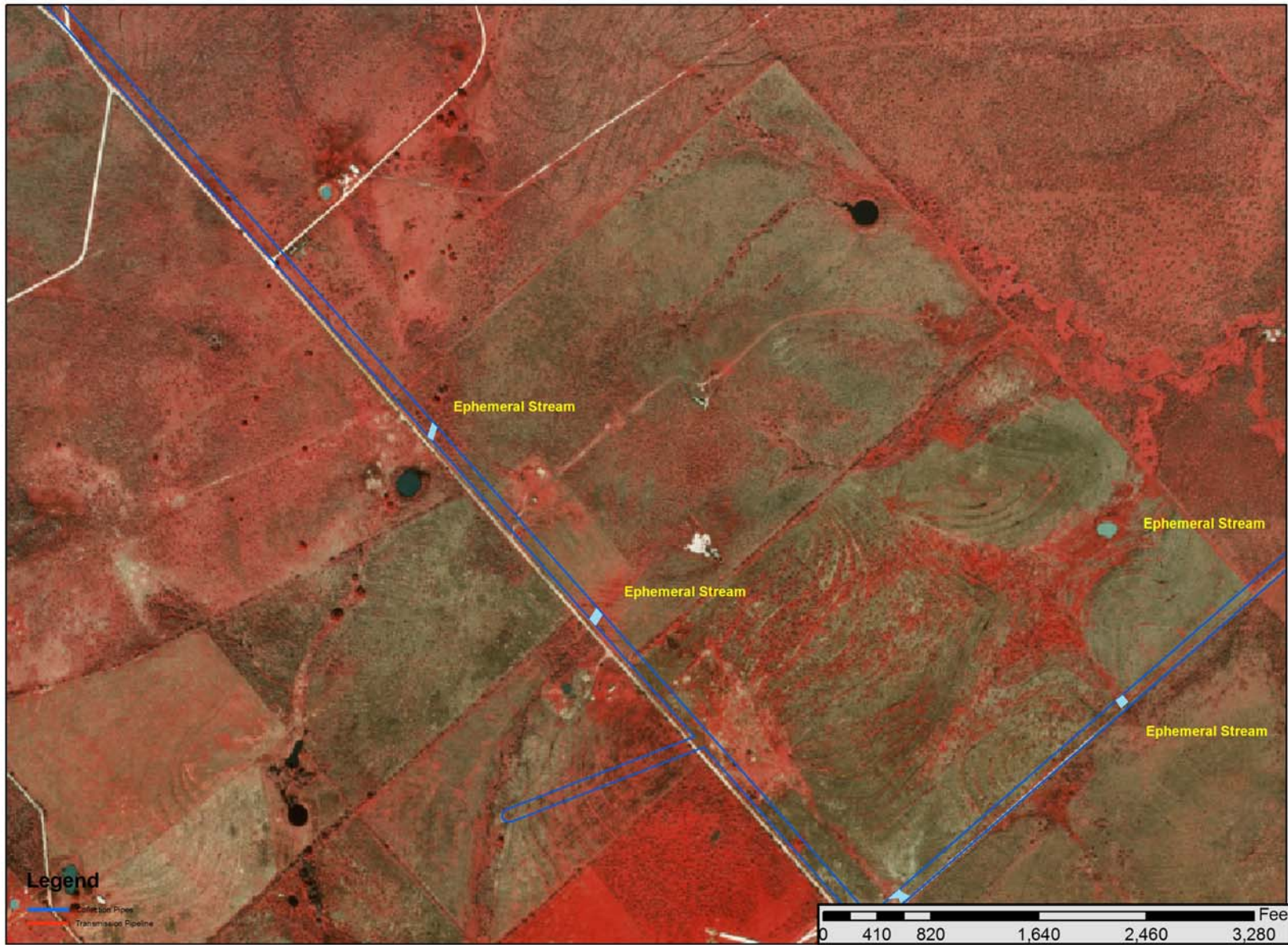


Figure 31. Detailed view of Section 30 showing the surface waters potentially impacted by the Gonzales County Carrizo Aquifer Program.

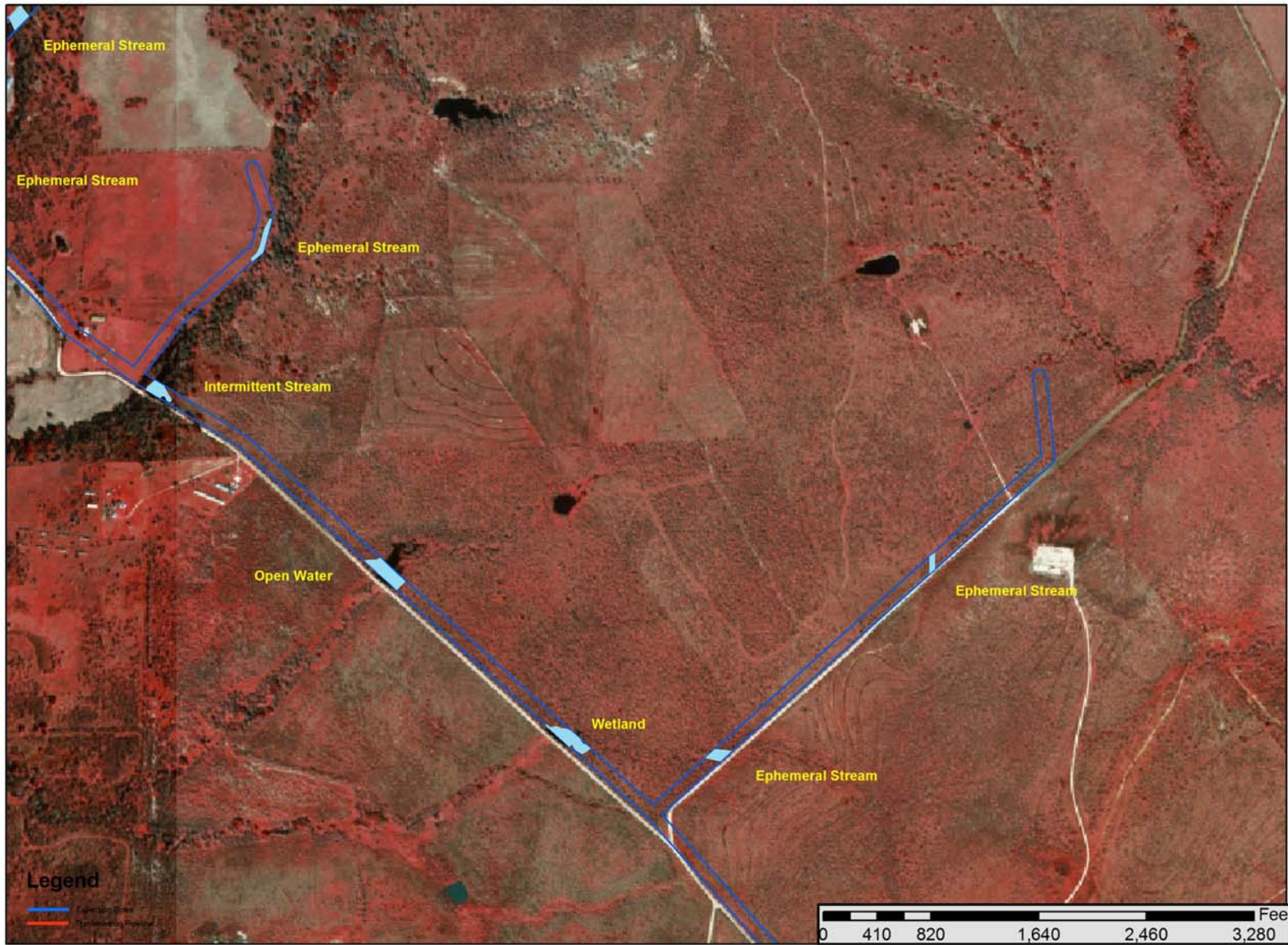


Figure 32. Detailed view of Section 31 showing the surface waters potentially impacted by the Gonzales County Carrizo Aquifer Program.

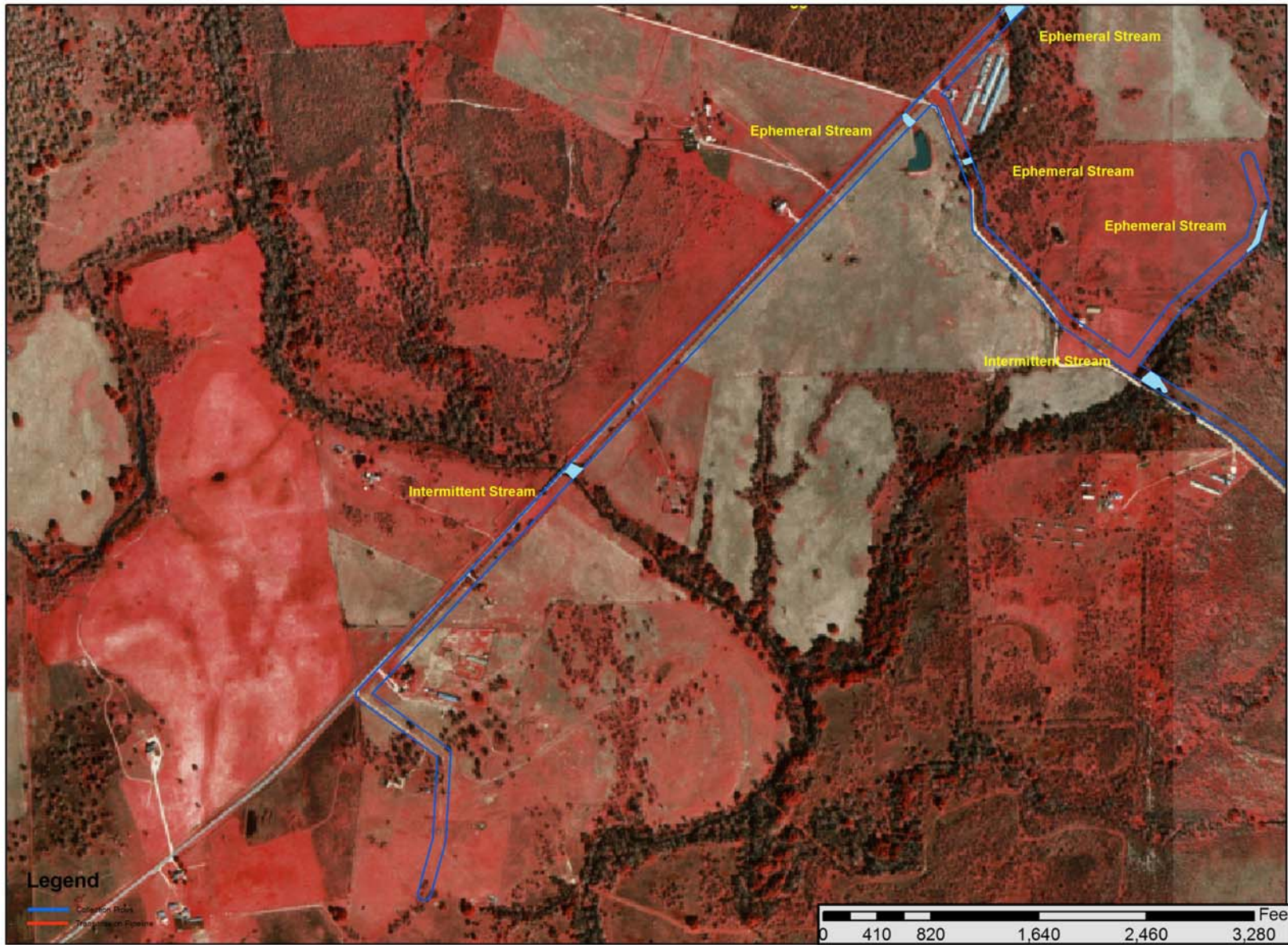


Figure 33. Detailed view of Section 32 showing the surface waters potentially impacted by the Gonzales County Carrizo Aquifer Program.



Figure 34. Detailed view of Section 33 showing the surface waters potentially impacted by the Gonzales County Carrizo Aquifer Program.



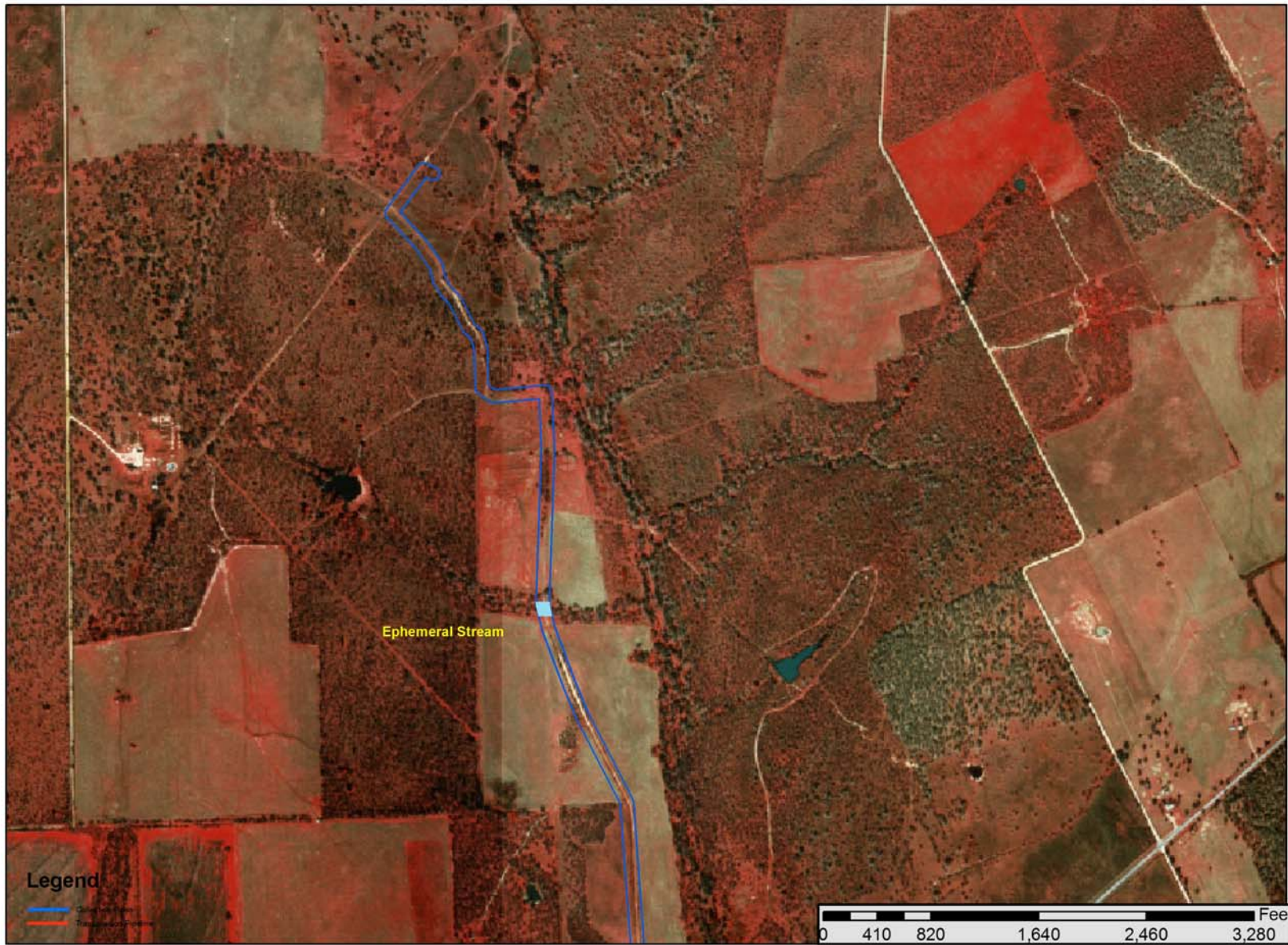


Figure 35. Detailed view of Section 34 showing the surface waters potentially impacted by the Gonzales County Carrizo Aquifer Program.

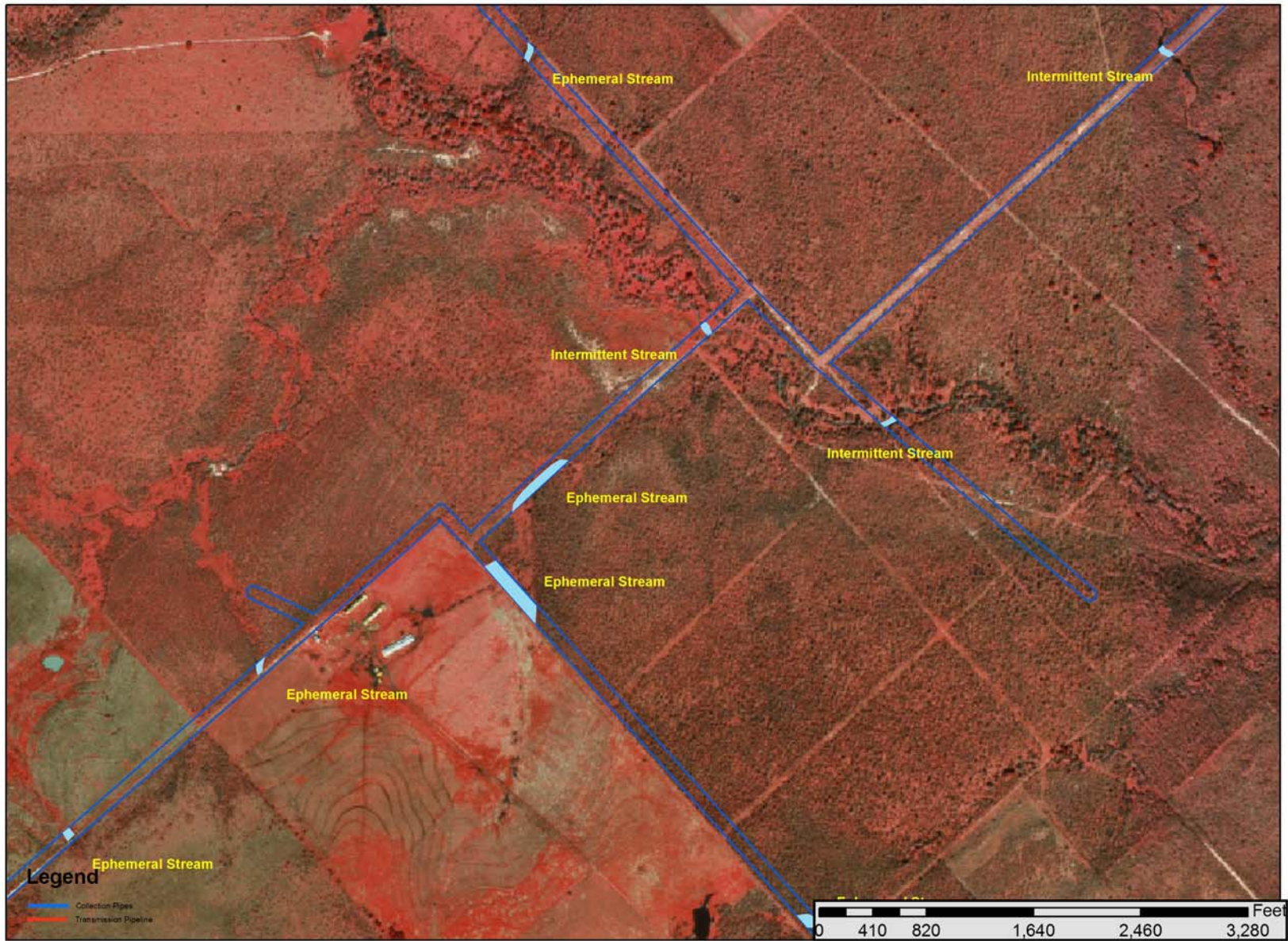


Figure 36. Detailed view of Section 35 showing the surface waters potentially impacted by the Gonzales County Carrizo Aquifer Program.

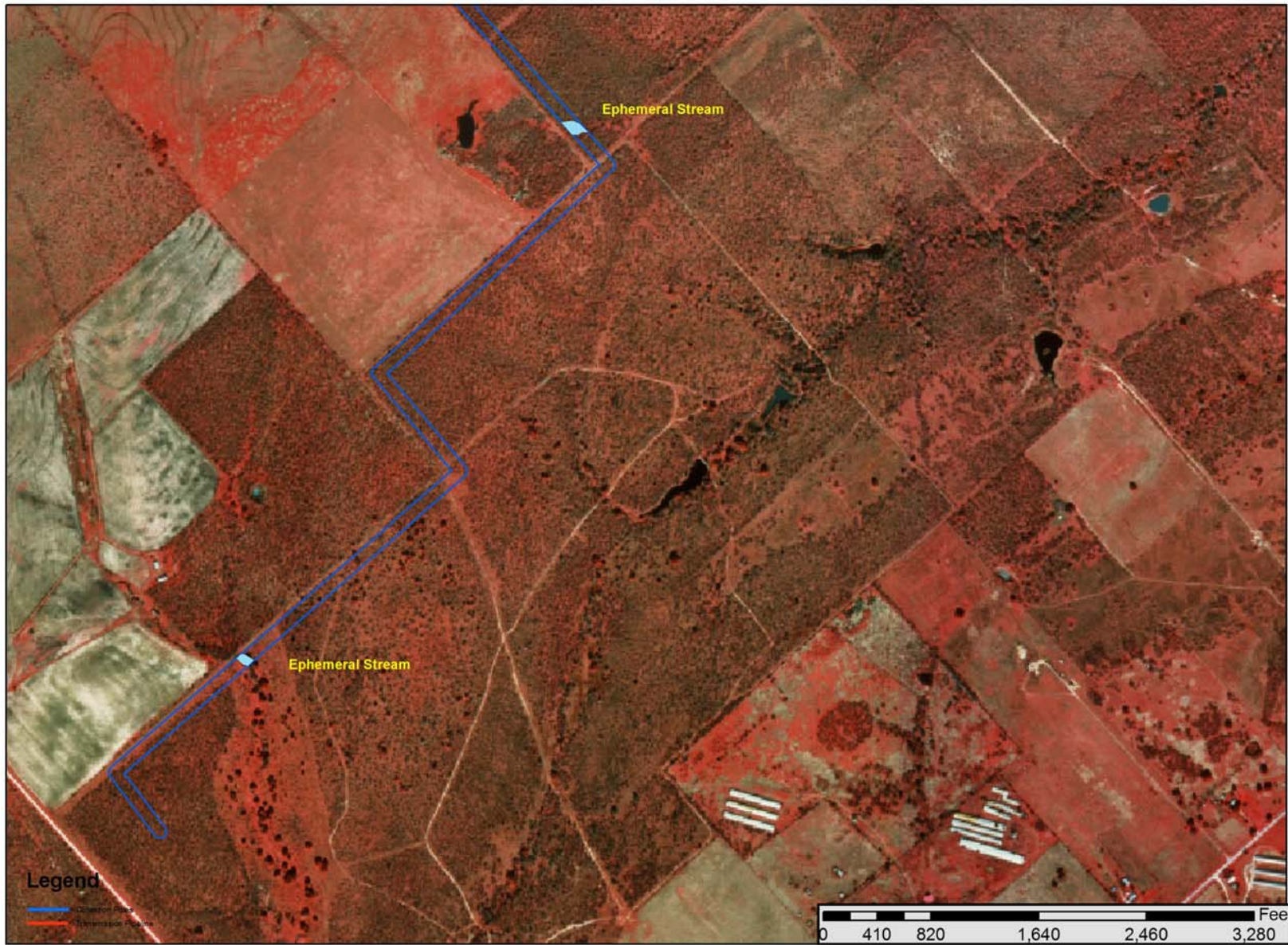


Figure 37. Detailed view of Section 36 showing the surface waters potentially impacted by the Gonzales County Carrizo Aquifer Program.

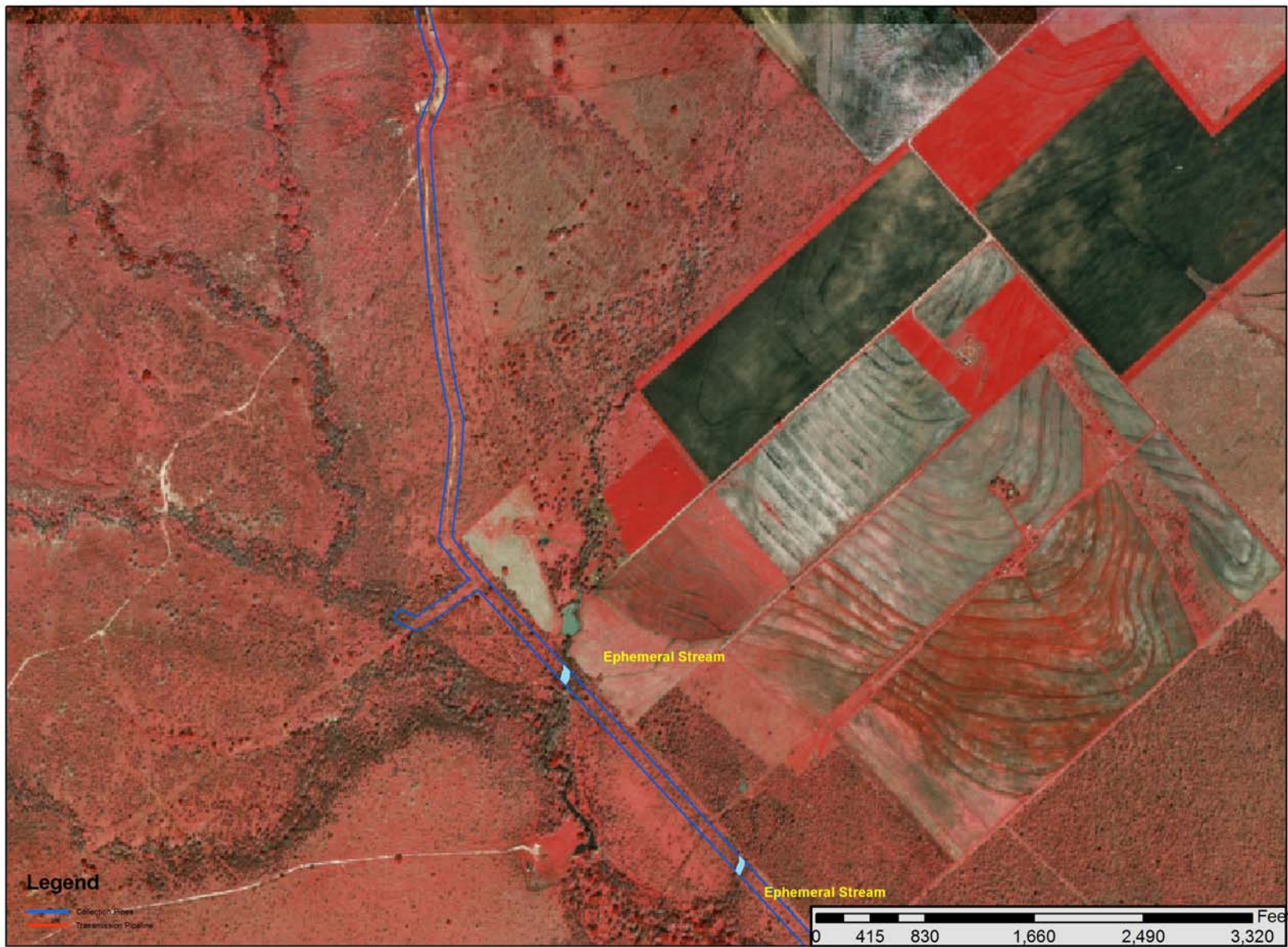


Figure 38. Detailed view of Section 37 showing the surface waters potentially impacted by the Gonzales County Carrizo Aquifer Program.



Figure 39. Detailed view of Section 38 showing the surface waters potentially impacted by the Gonzales County Carrizo Aquifer Program.

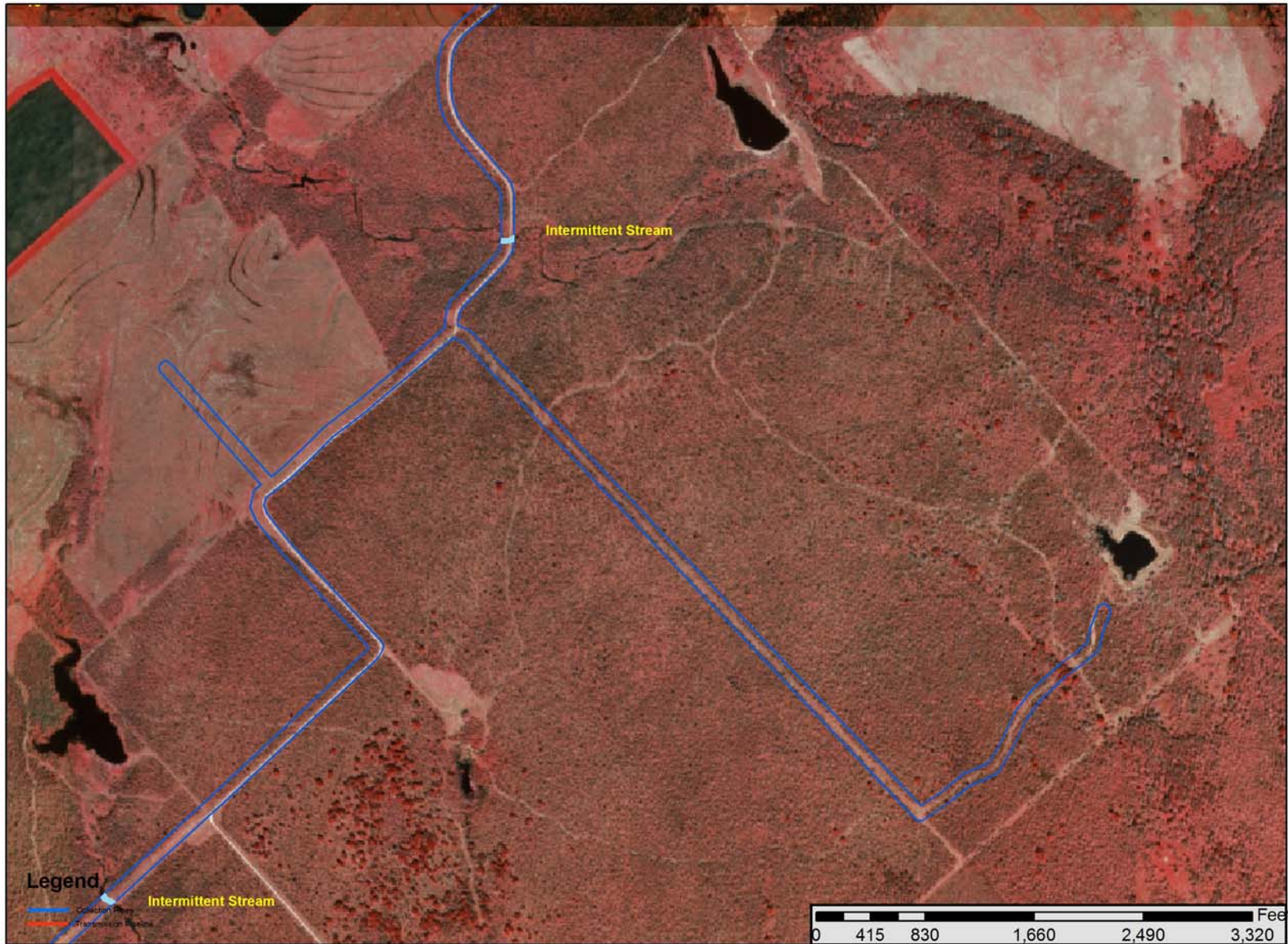


Figure 40. Detailed view of Section 39 showing the surface waters potentially impacted by the Gonzales County Carrizo Aquifer Program.

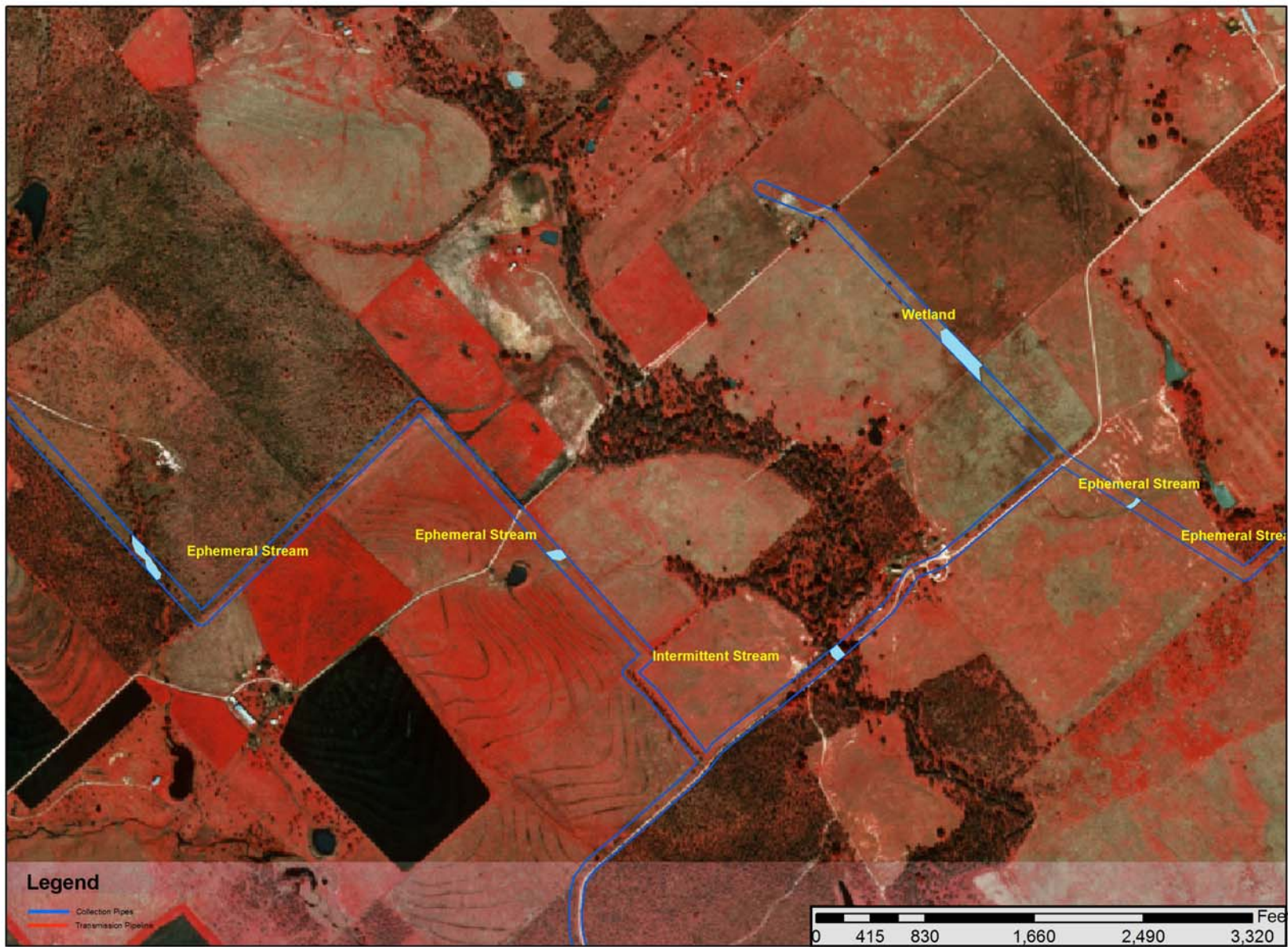


Figure 41. Detailed view of Section 40 showing the surface waters potentially impacted by the Gonzales County Carrizo Aquifer Program.

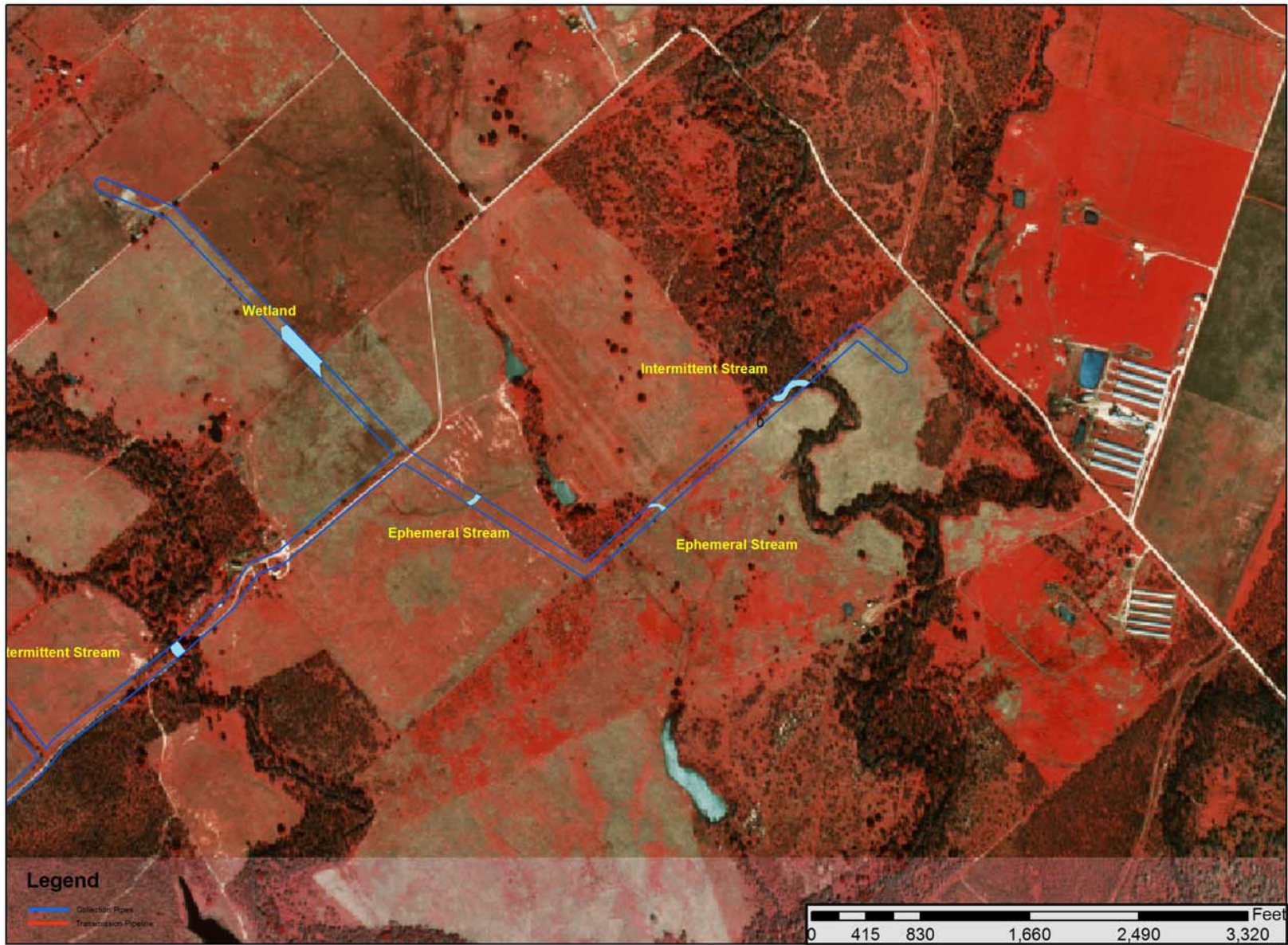


Figure 42. Detailed view of Section 41 showing the surface waters potentially impacted by the Gonzales County Carrizo Aquifer Program.

APPENDIX C

ENDANGERED SPECIES REPORT



ENDANGERED SPECIES REPORT

Property:

**Gonzales County Well Field
Gonzales County, TX
Project # 17,370 Acres**

Prepared For:

Drash Consulting Engineers

Job #: 15284 / Date: 04/15/04

GeoSearch

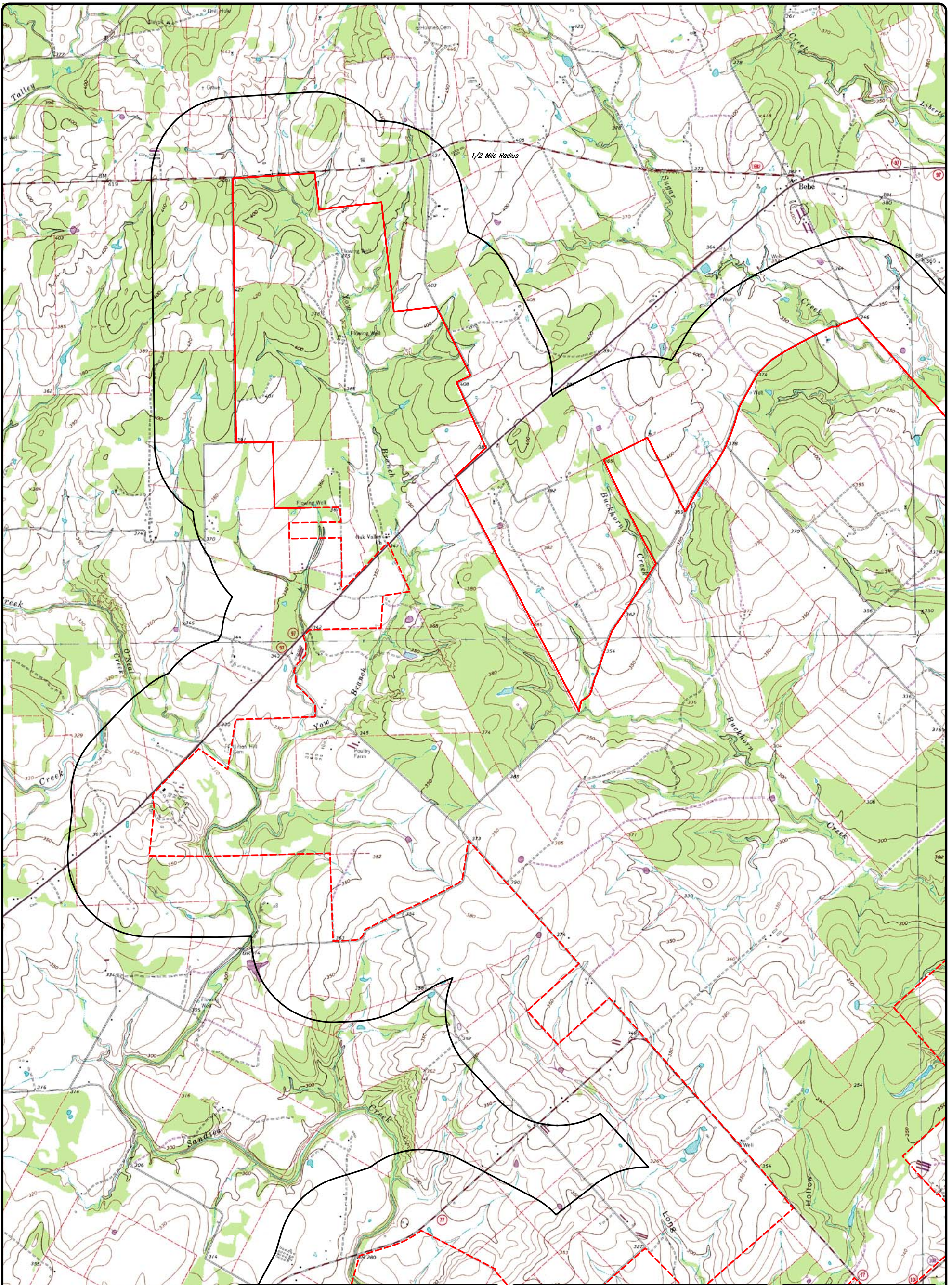
DATABASE FINDINGS SUMMARY


DATABASE	ACRONYM	LOCA- TABLE	UNLOCA- TABLE	SEARCH RADIUS
ENDANGERED SPECIES	ENDNGRDSP	0	0	0.500 mi
MANAGED AREAS	MNGDAREAS	0	0	0.500 mi

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 PROPERTY BOUNDARY

ENDANGERED SPECIES SITE MAP
 Map #1
 Smiley, Pilgrim, Leesville, Cost Quadrangles
 Source: USGS
 Karst Zone: N/A

Gonzales County Well Field
 Gonzales County, TX
 Project #: 17,370 Acres

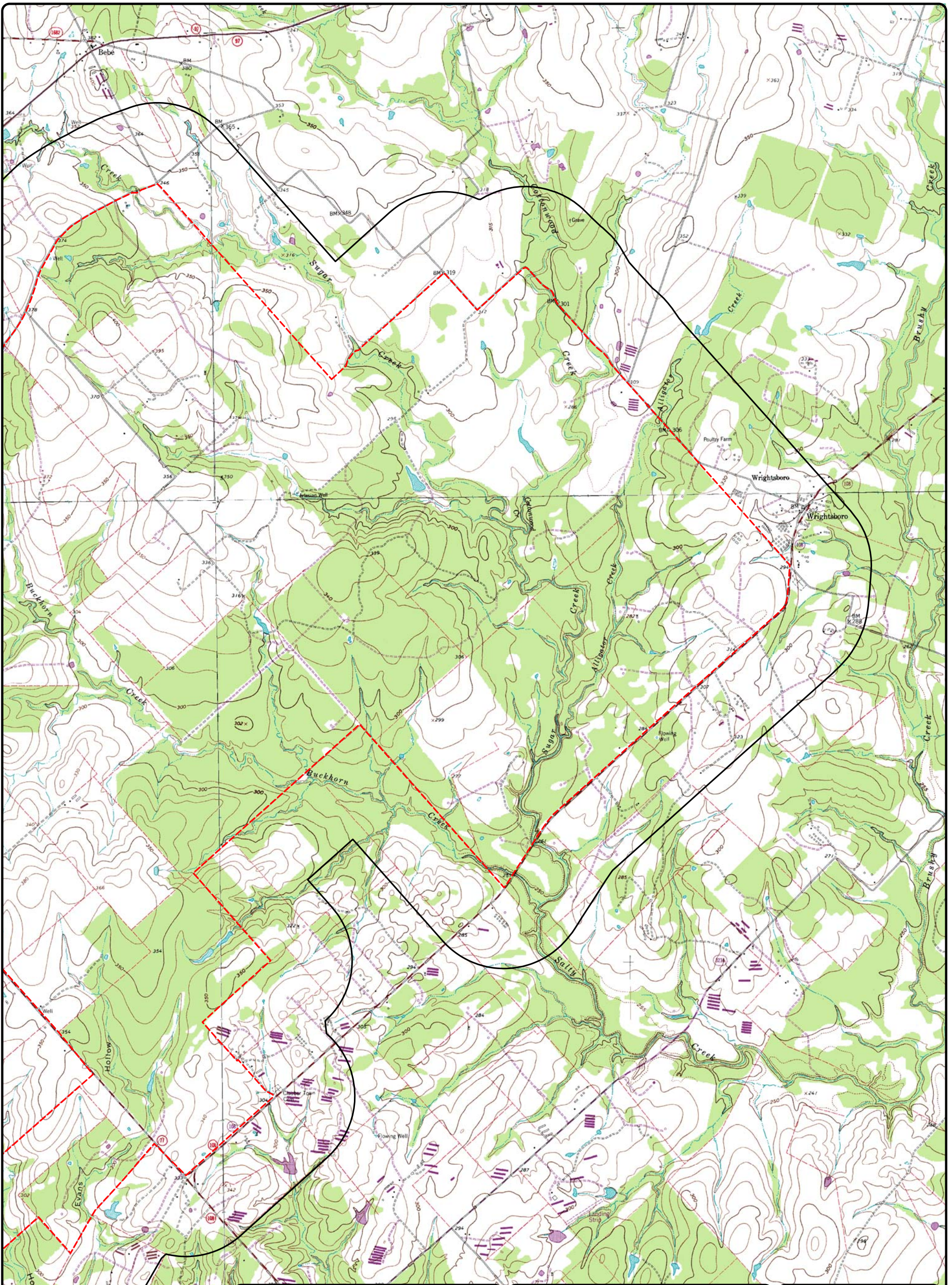
0' 1500' 3000' 4500'
 SCALE: 1" = 3000'




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APPROXIMATE LOCATIONS ONLY



APPROXIMATE LOCATIONS ONLY

 PROPERTY BOUNDARY

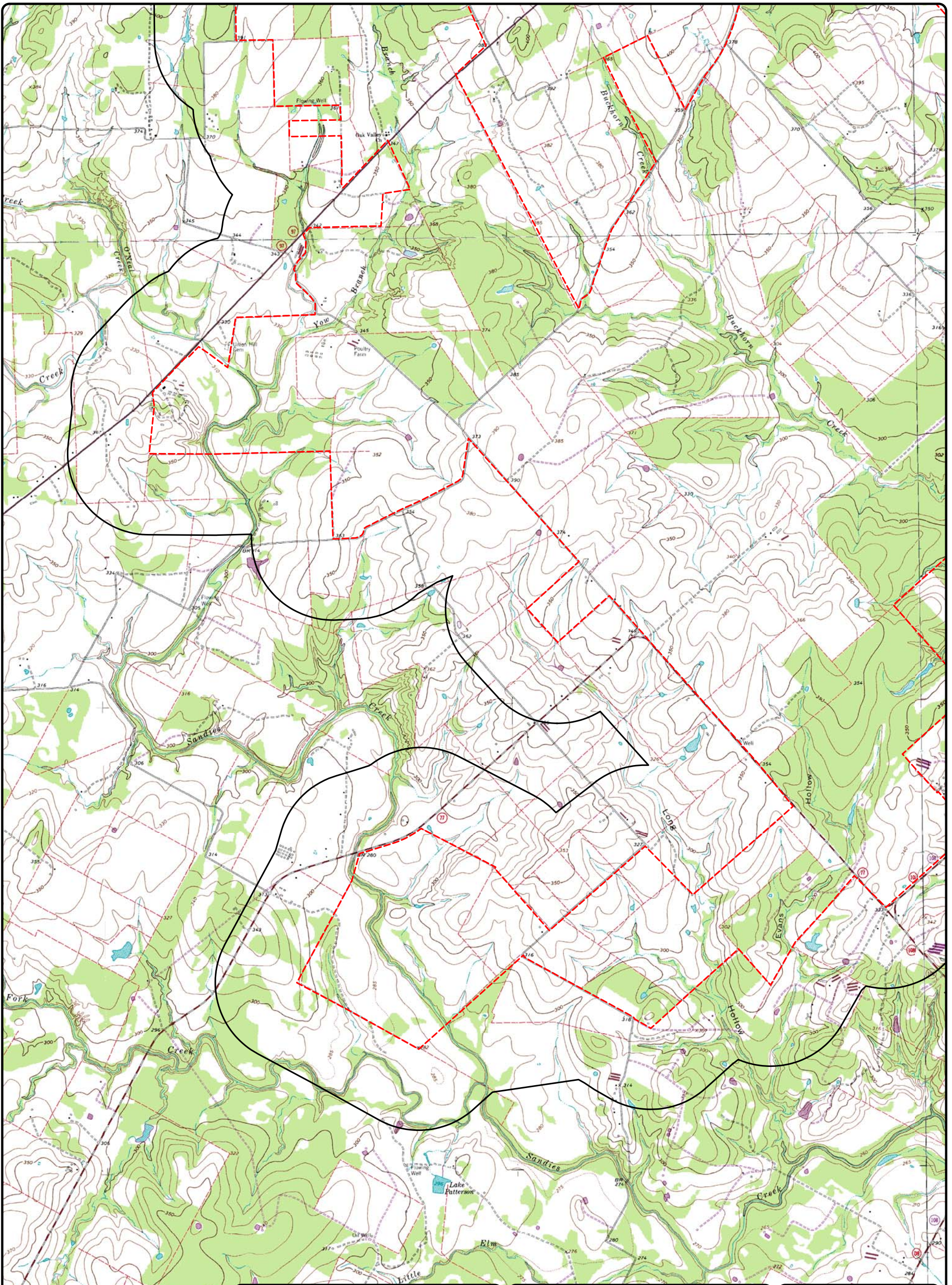
ENDANGERED SPECIES SITE MAP
 Map #2
 Smiley, Pilgrim, Leesville, Cost Quadrangles
 Source: USGS
 Karst Zone: N/A


Gonzales County Well Field
 Gonzales County, TX
 Project #: 17,370 Acres

0' 1500' 3000' 4500'
 SCALE: 1" = 3000'



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 PROPERTY BOUNDARY

ENDANGERED SPECIES SITE MAP
 Map #3
 Smiley, Pilgrim, Leesville, Cost Quadrangles
 Source: USGS
 Karst Zone: N/A

Gonzales County Well Field
 Gonzales County, TX
 Project #: 17,370 Acres

0' 1500' 3000' 4500'
 SCALE: 1" = 3000'



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KARST ZONES

Zone 1:

Known to contain listed invertebrate karst species, and where speleogenetic, hydrologic or stratigraphic factors indicate continuity of the zone's karst and no restrictions to its fauna.

Zone 2:

High probability of containing suitable habitat for listed invertebrate karst species.

Zone 3:

Probably do not contain listed invertebrate karst species.

Zone 4:

Further research required but generally equivalent to Zone 3, although sections could be classified Zone 2 or Zone 5 as more information becomes available.

Zone 5:

Do not contain listed invertebrate karst species.

Not applicable (N/A):

Zone information is not available.

Zones defined by George Veni, Ph.D.

Endangered Species Protocol

GeoSearch has researched the Texas Biological and Conservation Data System (BCD) and topographic maps from the Texas Parks & Wildlife Diversity Branch for any special species and natural communities that are endangered, threatened, and/or critical documented in the BCD within the vicinity of the subject site. Although the Endangered Species Location Map displays a ½ mile radius, GeoSearch researches the entire 7.5 minute quad(s) in which the site is located due to mapping precision. Any mapped species and/or natural communities that can possibly be located within a ½ mile of the site are reported. Keep in mind that these species may or may not be located within the ½ mile radius due to mapping precision. The information included in this report is based on the best public data currently available to Texas Parks and Wildlife Department regarding threatened, endangered, or otherwise sensitive species. However, this data does not include a representative inventory of rare resources in the state. The Texas Parks & Wildlife Department are responsible for maintaining and updating the maps and database. Although this report does not guarantee that there is a presence or lack of special species and/or natural communities within the area in review, it will provide information to help assist in avoiding harm to species that may occur on your site. Therefore, this report cannot replace the on-site evaluation from a qualified biologist. Attached with each report is a county listing of endangered or threatened species. The species on this list do not all share the same probability of occurrence within the county. Certain species on the list are migrants and may live in the county only part of the year and some may be historic or considered extirpated within a county. The list's sole purpose is to give a general overview of the rare species throughout the county. This report does not consist of a review of fish and wildlife impacts that might occur on the subject site, if an impact review of this type is needed please contact the Habitat Assessment Program of the Texas Parks & Wildlife Department.

GONZALES COUNTY

Federal	State
Status	Status

*** BIRDS ***

- | | | |
|---|------------|---|
| American Peregrine Falcon (<i>Falco peregrinus anatum</i>) - potential migrant; nests in west Texas | DL | E |
| Arctic Peregrine Falcon (<i>Falco peregrinus tundrius</i>) - potential migrant | DL | T |
| Bald Eagle (<i>Haliaeetus leucocephalus</i>) - found primarily near seacoasts, rivers, and large lakes; nests in tall trees or on cliffs near water; communally roosts, especially in winter; hunts live prey, scavenges, and pirates food from other birds | LT-
PDL | T |
| Henslow's Sparrow (<i>Ammodramus henslowii</i>) – wintering individuals (not flocks) found in weedy fields or cut-over areas where lots of bunch grasses occur along with vines and brambles; a key component is bare ground for running/walking; likely to occur, but few records within this county | | |
| Mountain Plover (<i>Charadrius montanus</i>) - shortgrass plains and plowed fields (bare, dirt fields); primarily insectivorous; winter resident in this area | | |
| Whooping Crane (<i>Grus americana</i>) - potential migrant; winters in and around Aransas National Wildlife Refuge and migrates to Canada for breeding; only remaining natural breeding population of this species | LE | E |
| Wood Stork (<i>Mycteria americana</i>) - forages in prairie ponds, flooded pastures or fields, ditches, and other shallow standing water, including salt-water; usually roosts communally in tall snags, sometimes in association with other wading birds (i.e. active heronries); breeds in Mexico and birds move into Gulf States in search of mud flats and other wetlands, even those associated with forested areas; formerly nested in Texas, but no breeding records since 1960 | | T |

*** FISHES ***

- | | | |
|--|--|---|
| Blue Sucker (<i>Cycleptus elongatus</i>) - usually inhabits channels and flowing pools with a moderate current; bottom type usually consists of exposed bedrock, perhaps in combination with hard clay, sand, and gravel; adults winter in deep pools and move upstream in spring to spawn on riffles | | T |
| Guadalupe Bass (<i>Micropterus treculi</i>) – introduced in Nueces River system; endemic to perennial streams of the Edwards Plateau region | | |

*** MAMMALS ***

- Cave Myotis Bat (*Myotis velifer*)** - roosts colonially in caves, rock crevices, old buildings, carports, under bridges, and even in abandoned Cliff Swallow (*Petrochelidon pyrrhonota*) nests; roosts in clusters of up to thousands of individuals; hibernates in limestone caves of Edwards Plateau and gypsum caves of Panhandle during winter; opportunistic insectivore
- Plains Spotted Skunk (*Spilogale putorius interrupta*)** – catholic in habitat; open fields, prairies, croplands, fence rows, farmyards, forest edges, and woodlands; prefers wooded, brushy areas and tallgrass prairie

*** MOLLUSKS ***

- Palmetto Pill Snail (*Euchemotrema leai cheatumi*)** – terrestrial snail with only one known population, from moist palmetto woodlands of Palmetto State Park; 1/4 - 3/8 inches long; distinguishable by a small ridge seen in the opening of the shell

Federal State
 Status Status

***** REPTILES *****

- | | | |
|--|----|---|
| Cagle's Map Turtle (<i>Graptemys caglei</i>) - endemic; Guadalupe River System; short stretches of shallow water with swift to moderate flow and gravel or cobble bottom, connected by deeper pools with a slower flow rate and a silt or mud bottom; gravel bar riffles and transition areas between riffles and pools especially important in providing insect prey items; nest on gently sloping sand banks within ca. 30 feet of water's edge | C1 | T |
| Keeled Earless Lizard (<i>Holbrookia propinqua</i>) – coastal dunes, barrier islands, and other sandy areas; eats insects and likely other small invertebrates; eggs laid underground March-September (most May-August) | | |
| Texas Garter Snake (<i>Thamnophis sirtalis annectens</i>) - wet or moist microhabitats are conducive to the species occurrence, but is not necessarily restricted to them; hibernates underground or in or under surface cover; breeds March-August | | |
| Texas Horned Lizard (<i>Phrynosoma cornutum</i>) - open, arid and semi-arid regions with sparse vegetation, including grass, cactus, scattered brush or scrubby trees; soil may vary in texture from sandy to rocky; burrows into soil, enters rodent burrows, or hides under rock when inactive; breeds March-September | | T |
| Timber/Canebrake Rattlesnake (<i>Crotalus horridus</i>) - swamps, floodplains, upland pine and deciduous woodlands, riparian zones, abandoned farmland; limestone bluffs, sandy soil or black clay; prefers dense ground cover, i.e. grapevines or palmetto | | T |

***** VASCULAR PLANTS *****

- Elmendorf's onion (*Allium elmendorffii*)** – endemic; deep sands derived from Queen City and similar Eocene formations; flowering April-May

Status Key:

- LE, LT - Federally Listed Endangered/Threatened
- PE, PT - Federally Proposed Endangered/Threatened
- E/SA, T/SA - Federally Listed Endangered/Threatened by Similarity of Appearance
- C1 - Federal Candidate for Listing, Category 1; information supports proposing to list as Endangered/Threatened
- DL, PDL - Federally Delisted/Proposed for Delisting
- NL - Not Federally Listed
- E, T - State Listed Endangered/Threatened
- "blank" - Rare, but with no regulatory listing status

Species appearing on these lists do not all share the same probability of occurrence. Some species are migrants or wintering residents only, or may be historic or considered extirpated.



Notes for
County Lists of
Texas' Special Species



The Texas Parks and Wildlife (TPWD) county lists **include**:

Vertebrates, Invertebrates, and Vascular Plants on the special species lists of the Texas Biological and Conservation Data System. These special species lists are comprised of all species, subspecies, and varieties that are federally listed; proposed to be federally listed; have federal candidate status; are state listed; or carry a global conservation status indicating a species is imperiled, very rare, or vulnerable to extirpation.

Colonial Waterbird Nesting Areas and Migratory Songbird Fallout Areas are contained on the county lists for coastal counties only.

The TPWD county lists **exclude**:

Natural Plant Communities such as Little Bluestem-Indiangrass Series (native prairie remnant), Water Oak-Willow Oak Series (bottomland hardwood community), Saltgrass-Cordgrass Series (salt or brackish marsh), Sphagnum-Beakrush Series (seepage bog).

Other Significant Features such as non-coastal bird rookeries, migratory bird information, bat roosts, bat caves, invertebrate caves, and prairie dog towns.

These lists will never be all inclusive for all rare species distributions. In order to keep the lists to a reasonable length, historic ranges for some state extirpated species, full historic distributions for some extant species, accidentals and irregularly appearing species, and portions of migratory routes for particular species are not included.

The **revised date** on each county list reflects the last date any changes or revisions were made for that county and reflects current listing statuses and taxonomy.

Species that appear on county lists do not all share the same probability of occurrence within a county. Some species are migrants or wintering residents only. Additionally, a few species may be historic or considered extirpated within a county. Species considered extirpated within the state are so flagged on each list.

This information is for your assistance only; due to continuing data updates, **please do not reprint or redistribute the information, instead refer all requesters to our office to obtain the most current information available.**



The Texas Biological and Conservation Data System



The Texas Biological and Conservation Data System (TXBCD), established in 1983, is the Department's most comprehensive source of information on rare, threatened, and endangered plants and animals, exemplary natural communities, and other significant features. Though it is not all-inclusive, the TXBCD is constantly updated, providing current or additional information on statewide status and locations of these unique elements of natural diversity.

The TXBCD gathers biological information from museum and herbarium collection records, peer reviewed publications, experts in the scientific community, organizations, qualified individuals, and on-site field surveys conducted by TPWD staff on public lands or private lands with written permission. TPWD staff botanists, zoologists, and ecologists perform field surveys to locate and verify specific occurrences of high-priority biological elements and collect accurate information on their condition, quality, and management needs.

The TXBCD can be used to help evaluate the environmental impacts of routing and siting options for development projects. It also assists in impact assessment, environmental review, and permit review.

Given the small proportion of public versus private land in Texas, the TXBCD does not include a representative inventory of rare resources in the state. Although it is based on the best data available to TPWD regarding rare species, these data cannot provide a definitive statement as to the presence, absence, or condition of special species, natural communities, or other significant features in any area. Nor can these data substitute for on-site evaluation by qualified biologists. The TXBCD information is intended to assist the user in avoiding harm to species that may occur.

Please use the following citation to credit the TXBCD as the source for this county level information:

Texas Biological and Conservation Data System. Texas Parks and Wildlife, Wildlife Diversity Branch. County Lists of Texas' Special Species. [county name(s) and revised date(s)].

For information on obtaining a project review form or a site-specific review of a project area for rare species, and for updated county lists, please call (512) 912-7011.

APPENDIX D

OIL AND GAS DATABASE REVIEW



OIL/GAS REPORT

Property:

**Gonzales County Well Field
Gonzales County, TX
Project # 17,370 Acres**

Prepared For:

Drash Consulting Engineers

Job #: 15284 / Date: 04/19/04

GeoSearch

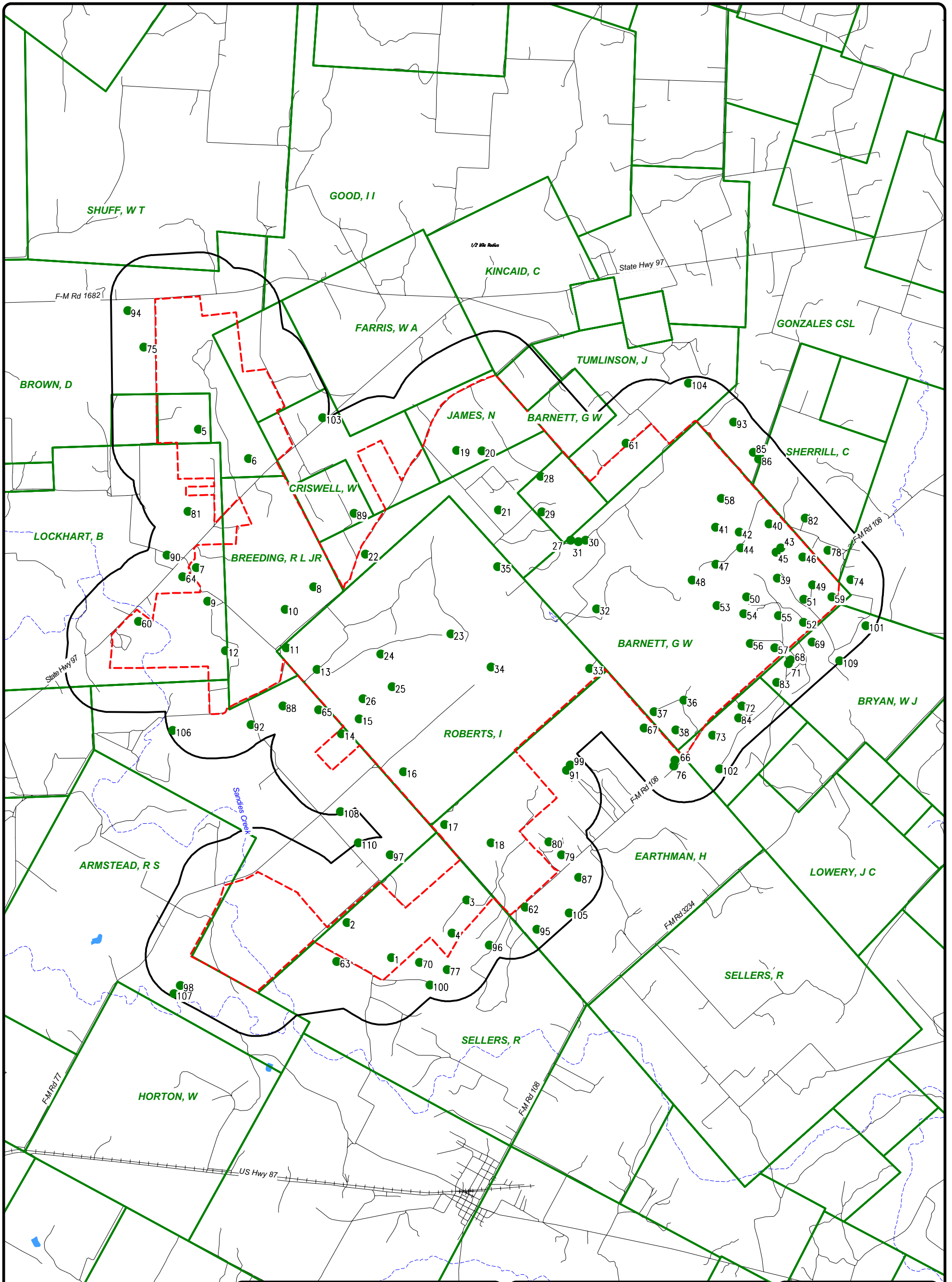
DATABASE FINDINGS SUMMARY




DATABASE	ACRONYM	LOCA-TABLE	UNLOCA-TABLE	SEARCH RADIUS
<u>STATE</u>				
OIL / GAS	OG	110	0	0.500 mi

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 PROPERTY BOUNDARY
 WELL LOCATION
 SURVEY BOUNDARY

OIL / GAS SITE MAP

 Gonzales County Well Field
 Gonzales County, TX
 Project #: 17,370 Acres

0' 2750' 5500' 8250'

 SCALE: 1" = 5500'



 2705 Bee Caves Rd, Suite 330
 Austin, Texas 78746
 866-396-0042

APPROXIMATE LOCATIONS ONLY

GeoSearch

Environmental Data Services

OIL/GAS SUMMARY

MAP ID#:	API #:	OPERATOR:	LEASE NAME:	WELL #:	TOTAL DEPTH:
1	177	NOT REPORTED	NOT REPORTED	1	NOT REPORTED
2	17730926	MODERN DRILLING, INC.	BARNETT	1	7581.00
3	17730666	BLANCO OIL CO.	ROBINSON	1	7271.00
4	17730741	BLANCO OIL CO.	ROBINSON	2	7340.00
5	17731849	SHIDLER, MARK L., INC.	COOK, L.D.	1	8235.00
6	17731147	ZENITH EXPLORATION CO., INC.	NOT REPORTED	1	5983.00
7	17731260	M W PRODUCTION CO.	LONG, BARBARA	1	0.00
8	17730843	UNION PACIFIC RESOURCES COMPANY	BUNNY	1	6820.00
9	17730900	CATLETT, E. G.	CARAWAY	1	7000.00
10	177	NOT REPORTED	NOT REPORTED	1	NOT REPORTED
11	177	NOT REPORTED	NOT REPORTED	1	NOT REPORTED
12	17730644	EVERGREEN OIL CORPORATION	COOK, ELVIN	1	6300.00
13	17730919	UNION PACIFIC RESOURCES COMPANY	BOULDIN	1B	7110.00
14	17730716	CANTLEY, M. K.	COOK, L.D.	1	6710.00
15	17730193	EHNOT ENGINEERING COMPANY	COOK, ELVIN	1	11004.00
16	17730426	GLENCO OIL & GAS COMPANY	MANFORD, T. D. ESTATE	1	6887.00
17	177	NOT REPORTED	NOT REPORTED	1A	NOT REPORTED
18	17730774	UNION PACIFIC RESOURCES COMPANY	COOK	1	7447.00
19	17731386	ACME PETROLEUM CO.	SEKULA UNIT	1	6466.00
20	17730714	EVERGREEN OIL CORPORATION	WILLMAN	1	6620.00
21	17730724	TIPPERARY OIL & GAS CORPORATION	WEFER	1	6730.00
22	17731527	GINGER PETROLEUM COMPANY, INC.	BOULDIN #1	1	0.00
23	17731075	FICUS CORPORATION, THE	BOULDIN, C.P.	1A	6777.00
24	17731794	PONTIAC OIL, INC.	BOULDIN, COLLIS	1	9800.00
25	17731391	EHNOT ENGINEERING COMPANY	COOK	1A	6700.00
26	17731265	EHNOT ENGINEERING COMPANY	COOK	2	6690.00



GeoSearch

Environmental Data Services

OIL/GAS SUMMARY

MAP ID#:	API #:	OPERATOR:	LEASE NAME:	WELL #:	TOTAL DEPTH:
27	177	NOT REPORTED	NOT REPORTED	1	NOT REPORTED
28	17730825	UNION PACIFIC RESOURCES COMPANY	RONNIE	1	6840.00
29	17730691	TIPPERARY OIL & GAS CORPORATION	LINDEMANN	1	6850.00
30	17730402	APACHE CORPORATION	TINSLEY, J. R.	2	0.00
31	17730393	APACHE CORPORATION	TINSLEY, J. R.	1	0.00
32	17730606	TIPPERARY OIL & GAS CORPORATION	TINSLEY	1	7140.00
33	17730792	TIPPERARY OIL & GAS CORPORATION	TINSLEY -A-	1	7200.00
34	17731829	UNION PACIFIC RESOURCES COMPANY	BOULDIN, COLLIS	2	0.00
35	17730708	CADDO ENERGY CO., INC.	FINK	1	6850.00
36	17730630	ROSS GAS AND OIL, LTD. CO.	BARNETT, W.L. ET AL	3	7470.00
37	17731142	DOBBS OIL & GAS INC.	BARNETT, W.L. ET AL -A-	1	7420.00
38	17730847	ROSS GAS AND OIL, LTD. CO.	BARNETT, W.L. ET AL	4	7583.00
39	17730557	BLANCO OIL CO.	HINTON, T.E.	1	7407.00
40	17730846	MARSHALL & WINSTON, INC.	HINTON -B- TR. I	2	7130.00
41	17731712	BURNETT, G.K.	SAMPLE BROS.	1	4500.00
42	17732034	PEDECO, INC.	HINTON	1	0.00
43	17730601	BLANCO OIL CO.	HINTON, T.E.	2	7374.00
44	17730689	BLANCO OIL CO.	HINTON "B"	1	7240.00
45	17730510	TIPPERARY OIL & GAS CORPORATION	BARNETT, W.L. ET AL	1	7365.00
46	17730549	TIPPERARY OIL & GAS CORPORATION	BARNETT, W.L. ET AL	2	7404.00
47	17730915	MARSHALL & WINSTON, INC.	HINTON-B- TR. 2	3	7225.00
48	17731017	MARSHALL & WINSTON, INC.	HINTON-B- TR. 3	4	7170.00
49	17730520	J.W. SERVICE COMPANY	GLEGHORN, MAYME	2	7400.00
50	17730996	MEXAMERICAN WELL SERVICE CORP.	GRIFFIN, G.G. ET AL	5	7297.00



GeoSearch

Environmental Data Services

OIL/GAS SUMMARY

MAP ID#:	API #:	OPERATOR:	LEASE NAME:	WELL #:	TOTAL DEPTH:
51	177	NOT REPORTED	NOT REPORTED	1	NOT REPORTED
52	17730497	J & S OPERATING	GLEGHORN, MAYME	1	7493.00
53	17731016	MARSHALL & WINSTON, INC.	GRIFFIN, G.G. ET AL	6	0.00
54	17731015	MEXAMERICAN WELL SERVICE CORP.	GRIFFIN, G.G. ET AL	4	7405.00
55	17730487	MEXAMERICAN WELL SERVICE CORP.	GRIFFIN, G.G. ET AL	2	7435.00
56	17731018	MEXAMERICAN WELL SERVICE CORP.	GRIFFIN, G.G. ET AL	3	7450.00
57	17730431	MEXAMERICAN WELL SERVICE CORP.	GRIFFIN, G.G. ET AL	1	7480.00
58	17730614	DOMINION MINERALS CORPORATION	CHUBBY BROILERS, INC.	1	7100.00
59	17730185	BLANCO OIL CO.	BARNETT ETAL	1	7458.00
60	17731361	TRANSCONTINENTAL OIL CORPORATION	COOK, L.D. -38-	1	6282.00
61	17730857	TIPPERARY OIL & GAS CORPORATION	BUSH	1	6858.00
62	177	NOT REPORTED	NOT REPORTED	1	NOT REPORTED
63	17730168	MEXAMERICAN WELL SERVICE CORP.	CHANDLER, BYRON	1	7091.00
64	17730212	CHALLENGER OIL INC	COLWELL, DOYLE	1	5935.00
65	17730462	UNION DOMINION OIL CORPORATION	COOK, ELVIN	1	8782.00
66	17730551	GEO-GRAPHIC PRODUCTION, INC.	KIFER, ROZELLA	1	7770.00
67	177	NOT REPORTED	NOT REPORTED	1	NOT REPORTED
68	17730561	MODERN EXPLORATION, INC.	KIFER	1	7631.00
69	17730522	DEE-JAY EXPLORATION COMPANY	KIFER, L.H.	1	7523.00
70	17731118	SANTA FE MINERALS, INC.	BYRON UNIT	2	7470.00
71	177	NOT REPORTED	NOT REPORTED	1	NOT REPORTED
72	17730655	L & L PIPE & SUPPLY INC.	LOWRY, RUBY	1	7704.00
73	17730457	MGF OIL CORPORATION	BREMER, C.W.	1	7540.00
74	17730536	H.D.C. VENTURES, INC.	DAWE "A" UNIT	1	7407.00



GeoSearch

Environmental Data Services

OIL/GAS SUMMARY

MAP ID#:	API #:	OPERATOR:	LEASE NAME:	WELL #:	TOTAL DEPTH:
75	17731376	GREENBRIAR CORP., THE	BROWN, WM. BREWSTER	1	0.00
76	17731724	WILBANKS, BRUCE A. COMPANY	KIFER	1	4900.00
77	17730823	RATEX ENERGY INC.	BUNDICK, J.B.	1	7250.00
78	17730785	NOT REPORTED	NOT REPORTED	1B	NOT REPORTED
79	17730990	GEO-GRAPHIC PRODUCTION, INC.	SHEFFIELD UNIT	1	7531.00
80	17731002	ONE MADISON ENERGY, INC.	PARKER, MARY ET AL	1	7416.00
81	17730927	CORYELL PETROLEUM COMPANY	BARTZ-MANNING OIL UNIT	1	5732.00
82	17730579	EVERGREEN OIL CORPORATION	LAURENCE	1	7443.00
83	177	NOT REPORTED	NOT REPORTED	2	NOT REPORTED
84	177	NOT REPORTED	NOT REPORTED	1	NOT REPORTED
85	17731021	DOMINION MINERALS CORPORATION	KENNY B	1	7800.00
86	177	NOT REPORTED	NOT REPORTED	1	NOT REPORTED
87	17731167	WILSON, BILLY R.	SAMPLE, HORACE UNIT	2	7547.00
88	17731393	UNION DOMINION OIL CORPORATION	COOK	2	0.00
89	17731975	SEGURO WELL SERVICE, INC.	ROWELL-BRADLEY UNIT	1	10785.00
90	17730921	CATLETT, E. G.	NOT REPORTED	1	5811.00
91	17730657	ANTICOE OIL & DEVELOPMENT CO.	WILLIAMS	1	7585.00
92	17731813	SANTA FE ENERGY OPER. PART., LP	COOK, ELVIN	1	10200.00
93	17730817	AOP OPERATING CORPORATION	GILLETTE	2	6945.00
94	17731533	HAGEN-GREENBRIAR EXPL. CORP.	BROWN, WM. BREWSTER	1	9362.00
95	17730966	DOMINION MINERALS CORPORATION	SAMPLE UNIT	1	7600.00
96	17731146	HIGHLANDS OPERATING COMPANY, INC.	POLAN	1	7510.00
97	17731805	PONTIAC OIL, INC.	CRUNK-CASKEY UNIT	1	10455.00
98	177	NOT REPORTED	NOT REPORTED	1	NOT REPORTED
99	177	NOT REPORTED	NOT REPORTED	1	NOT REPORTED
100	17730705	SANTA FE MINERALS, INC.	BYRON UNIT	1	7381.00



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GeoSearch

Environmental Data Services

OIL/GAS SUMMARY

MAP ID#:	API #:	OPERATOR:	LEASE NAME:	WELL #:	TOTAL DEPTH:
101	17730447	DOMINION MINERALS CORPORATION	KIFER, ROZELLA	1	7654.00
102	17730609	MODERN EXPLORATION, INC.	KIFER -A-	1	7654.00
103	17730707	EVERGREEN OIL CORPORATION	BOOTHE, JAMES LEE	1	6405.00
104	17730815	L & L PIPE & SUPPLY INC.	KNANDEL, JAMES	1	6783.00
105	17731346	WILSON, BILLY R.	CARL SAMPLE UNIT	3	7614.00
106	17731224	BKL WELL SERVICE	SHEFFIELD	1	6212.00
107	177	NOT REPORTED	NOT REPORTED	1	NOT REPORTED
108	17730681	HMX INVESTMENTS, INC.	CRUNK	1	6787.00
109	17730589	MODERN EXPLORATION, INC.	KIEFER, MRS. L. A.	1	7790.00
110	17730210	2-C OIL CO., INC.	CASKEY, EMMETT	1	6876.00



OIL / GAS REPORT

MAPID# 1

API #: 177 LAT: 29.3082 LONG: -97.6515
WELL #: 1 WELL TYPE: DRY HOLE
OPERATOR: NOT REPORTED
LEASENAME: NOT REPORTED
TOTAL DEPTH: NOT REPORTED
COMPLETION DATE: NOT REPORTED
PLUG DATE NOT REPORTED
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 2

API #: 17730926 LAT: 29.3140 LONG: -97.6597
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: MODERN DRILLING, INC.
LEASENAME: BARNETT
TOTAL DEPTH: 7581.00
COMPLETION DATE: 06/03/1988
PLUG DATE 10/05/1994
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 3

API #: 17730666 LAT: 29.3175 LONG: -97.6372
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: BLANCO OIL CO.
LEASENAME: ROBINSON
TOTAL DEPTH: 7271.00
COMPLETION DATE: 03/12/1981
PLUG DATE 11/22/1991
WELL LOCATION SOURCE: OPERATOR REPORTED LOCATION

MAPID# 4

API #: 17730741 LAT: 29.3121 LONG: -97.6400
WELL #: 2 WELL TYPE: PLUGGED OIL WELL
OPERATOR: BLANCO OIL CO.
LEASENAME: ROBINSON
TOTAL DEPTH: 7340.00
COMPLETION DATE: 02/06/1982
PLUG DATE 12/01/1991
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 5

API #: 17731849 LAT: 29.3952 LONG: -97.6865
WELL #: 1 WELL TYPE: OIL WELL
OPERATOR: SHIDLER, MARK L., INC.
LEASENAME: COOK, L.D.
TOTAL DEPTH: 8235.00
COMPLETION DATE: 00/00/0000
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: OPERATOR REPORTED LOCATION



OIL / GAS REPORT

MAPID# 6

API #: 17731147 LAT: 29.3903 LONG: -97.6771
WELL #: 1 WELL TYPE: DRY HOLE
OPERATOR: ZENITH EXPLORATION CO., INC.
LEASENAME: NOT REPORTED
TOTAL DEPTH: 5983.00
COMPLETION DATE: 00/00/0000
PLUG DATE 01/18/1982
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 7

API #: 17731260 LAT: 29.3725 LONG: -97.6872
WELL #: 1 WELL TYPE: CANCELED LOCATION
OPERATOR: M W PRODUCTION CO.
LEASENAME: LONG, BARBARA
TOTAL DEPTH: 0.00
COMPLETION DATE: 00/00/0000
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 8

API #: 17730843 LAT: 29.3691 LONG: -97.6652
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: UNION PACIFIC RESOURCES COMPANY
LEASENAME: BUNNY
TOTAL DEPTH: 6820.00
COMPLETION DATE: 12/26/1981
PLUG DATE 11/26/1991
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 9

API #: 17730900 LAT: 29.3670 LONG: -97.6851
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: CATLETT, E. G.
LEASENAME: CARAWAY
TOTAL DEPTH: 7000.00
COMPLETION DATE: 07/24/1981
PLUG DATE 08/10/1983
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 10

API #: 177 LAT: 29.3655 LONG: -97.6706
WELL #: 1 WELL TYPE: DRY HOLE
OPERATOR: NOT REPORTED
LEASENAME: NOT REPORTED
TOTAL DEPTH: NOT REPORTED
COMPLETION DATE: NOT REPORTED
PLUG DATE NOT REPORTED
WELL LOCATION SOURCE: RRC HARDCOPY MAP



OIL / GAS REPORT

MAPID# 11

API #: 177 LAT: 29.3592 LONG: -97.6704
WELL #: 1 WELL TYPE: DRY HOLE
OPERATOR: NOT REPORTED
LEASENAME: NOT REPORTED
TOTAL DEPTH: NOT REPORTED
COMPLETION DATE: NOT REPORTED
PLUG DATE NOT REPORTED
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 12

API #: 17730644 LAT: 29.3589 LONG: -97.6819
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: EVERGREEN OIL CORPORATION
LEASENAME: COOK, ELVIN
TOTAL DEPTH: 6300.00
COMPLETION DATE: 01/01/1982
PLUG DATE 02/27/1989
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 13

API #: 17730919 LAT: 29.3556 LONG: -97.6647
WELL #: 1B WELL TYPE: PLUGGED OIL WELL
OPERATOR: UNION PACIFIC RESOURCES COMPANY
LEASENAME: BOULDIN
TOTAL DEPTH: 7110.00
COMPLETION DATE: 06/30/1981
PLUG DATE 11/15/1993
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 14

API #: 17730716 LAT: 29.3450 LONG: -97.6603
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: CANTLEY, M. K.
LEASENAME: COOK, L.D.
TOTAL DEPTH: 6710.00
COMPLETION DATE: 03/22/1981
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 15

API #: 17730193 LAT: 29.3474 LONG: -97.6570
WELL #: 1 WELL TYPE: OIL WELL
OPERATOR: EHNOT ENGINEERING COMPANY
LEASENAME: COOK, ELVIN
TOTAL DEPTH: 11004.00
COMPLETION DATE: 02/12/1977
PLUG DATE 03/04/1992
WELL LOCATION SOURCE: RRC HARDCOPY MAP



OIL / GAS REPORT

MAPID# 16

API #: 17730426 LAT: 29.3387 LONG: -97.6488
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: GLENCO OIL & GAS COMPANY
LEASENAME: MANFORD, T. D. ESTATE
TOTAL DEPTH: 6887.00
COMPLETION DATE: 01/20/1978
PLUG DATE 02/10/1991
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 17

API #: 177 LAT: 29.3298 LONG: -97.6412
WELL #: 1A WELL TYPE: PERMITTED LOCATION
OPERATOR: NOT REPORTED
LEASENAME: NOT REPORTED
TOTAL DEPTH: NOT REPORTED
COMPLETION DATE: NOT REPORTED
PLUG DATE NOT REPORTED
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 18

API #: 17730774 LAT: 29.3268 LONG: -97.6325
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: UNION PACIFIC RESOURCES COMPANY
LEASENAME: COOK
TOTAL DEPTH: 7447.00
COMPLETION DATE: 10/16/1981
PLUG DATE 11/20/1991
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 19

API #: 17731386 LAT: 29.3913 LONG: -97.6381
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: ACME PETROLEUM CO.
LEASENAME: SEKULA UNIT
TOTAL DEPTH: 6466.00
COMPLETION DATE: 02/24/1983
PLUG DATE 11/14/1984
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 20

API #: 17730714 LAT: 29.3911 LONG: -97.6334
WELL #: 1 WELL TYPE: OIL WELL
OPERATOR: EVERGREEN OIL CORPORATION
LEASENAME: WILLMAN
TOTAL DEPTH: 6620.00
COMPLETION DATE: 02/02/1981
PLUG DATE 10/22/1981
WELL LOCATION SOURCE: RRC HARDCOPY MAP



OIL / GAS REPORT

MAPID# 21

API #: 17730724 LAT: 29.3814 LONG: -97.6305
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: TIPPERARY OIL & GAS CORPORATION
LEASENAME: WEFER
TOTAL DEPTH: 6730.00
COMPLETION DATE: 03/11/1981
PLUG DATE 11/23/1983
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 22

API #: 17731527 LAT: 29.3744 LONG: -97.6555
WELL #: 1 WELL TYPE: CANCELED LOCATION
OPERATOR: GINGER PETROLEUM COMPANY, INC.
LEASENAME: BOULDIN #1
TOTAL DEPTH: 0.00
COMPLETION DATE: 00/00/0000
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 23

API #: 17731075 LAT: 29.3612 LONG: -97.6397
WELL #: 1A WELL TYPE: PLUGGED OIL WELL
OPERATOR: FICUS CORPORATION, THE
LEASENAME: BOULDIN, C.P.
TOTAL DEPTH: 6777.00
COMPLETION DATE: 03/21/1982
PLUG DATE 10/01/1998
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 24

API #: 17731794 LAT: 29.3580 LONG: -97.6528
WELL #: 1 WELL TYPE: OIL WELL
OPERATOR: PONTIAC OIL, INC.
LEASENAME: BOULDIN, COLLIS
TOTAL DEPTH: 9800.00
COMPLETION DATE: 00/00/0000
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: OPERATOR REPORTED LOCATION

MAPID# 25

API #: 17731391 LAT: 29.3526 LONG: -97.6507
WELL #: 1A WELL TYPE: PLUGGED OIL WELL
OPERATOR: EHNOT ENGINEERING COMPANY
LEASENAME: COOK
TOTAL DEPTH: 6700.00
COMPLETION DATE: 06/01/1983
PLUG DATE 03/14/1992
WELL LOCATION SOURCE: RRC HARDCOPY MAP



OIL / GAS REPORT

MAPID# 26

API #: 17731265 LAT: 29.3507 LONG: -97.6563
WELL #: 2 WELL TYPE: PLUGGED OIL WELL
OPERATOR: EHNOT ENGINEERING COMPANY
LEASENAME: COOK
TOTAL DEPTH: 6690.00
COMPLETION DATE: 04/19/1982
PLUG DATE 03/12/1992
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 27

API #: 177 LAT: 29.3762 LONG: -97.6170
WELL #: 1 WELL TYPE: DRY HOLE
OPERATOR: NOT REPORTED
LEASENAME: NOT REPORTED
TOTAL DEPTH: NOT REPORTED
COMPLETION DATE: NOT REPORTED
PLUG DATE NOT REPORTED
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 28

API #: 17730825 LAT: 29.3868 LONG: -97.6225
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: UNION PACIFIC RESOURCES COMPANY
LEASENAME: RONNIE
TOTAL DEPTH: 6840.00
COMPLETION DATE: 10/01/1981
PLUG DATE 12/04/1991
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 29

API #: 17730691 LAT: 29.3810 LONG: -97.6223
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: TIPPERARY OIL & GAS CORPORATION
LEASENAME: LINDEMANN
TOTAL DEPTH: 6850.00
COMPLETION DATE: 12/13/1980
PLUG DATE 11/19/1983
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 30

API #: 17730402 LAT: 29.3762 LONG: -97.6142
WELL #: 2 WELL TYPE: DRY HOLE
OPERATOR: APACHE CORPORATION
LEASENAME: TINSLEY, J. R.
TOTAL DEPTH: 0.00
COMPLETION DATE: 00/00/0000
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: RRC HARDCOPY MAP



OIL / GAS REPORT

MAPID# 31

API #: 17730393 LAT: 29.3760 LONG: -97.6155
WELL #: 1 WELL TYPE: DRY HOLE
OPERATOR: APACHE CORPORATION
LEASENAME: TINSLEY, J. R.
TOTAL DEPTH: 0.00
COMPLETION DATE: 00/00/0000
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 32

API #: 17730606 LAT: 29.3650 LONG: -97.6123
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: TIPPERARY OIL & GAS CORPORATION
LEASENAME: TINSLEY
TOTAL DEPTH: 7140.00
COMPLETION DATE: 10/03/1980
PLUG DATE 12/05/1986
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 33

API #: 17730792 LAT: 29.3552 LONG: -97.6137
WELL #: 1 WELL TYPE: PLUGGED OIL/GAS WELL
OPERATOR: TIPPERARY OIL & GAS CORPORATION
LEASENAME: TINSLEY -A-
TOTAL DEPTH: 7200.00
COMPLETION DATE: 03/10/1981
PLUG DATE 12/07/1986
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 34

API #: 17731829 LAT: 29.3556 LONG: -97.6321
WELL #: 2 WELL TYPE: PERMITTED LOCATION
OPERATOR: UNION PACIFIC RESOURCES COMPANY
LEASENAME: BOULDIN, COLLIS
TOTAL DEPTH: 0.00
COMPLETION DATE: 00/00/0000
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 35

API #: 17730708 LAT: 29.3721 LONG: -97.6307
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: CADDO ENERGY CO., INC.
LEASENAME: FINK
TOTAL DEPTH: 6850.00
COMPLETION DATE: 01/10/1981
PLUG DATE 09/10/2003
WELL LOCATION SOURCE: OPERATOR REPORTED LOCATION



OIL / GAS REPORT

MAPID# 36

API #: 17730630 LAT: 29.3498 LONG: -97.5962
WELL #: 3 WELL TYPE: OIL WELL
OPERATOR: ROSS GAS AND OIL, LTD. CO.
LEASENAME: BARNETT, W.L. ET AL
TOTAL DEPTH: 7470.00
COMPLETION DATE: 10/03/1980
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 37

API #: 17731142 LAT: 29.3480 LONG: -97.6018
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: DOBBS OIL & GAS INC.
LEASENAME: BARNETT, W.L. ET AL -A-
TOTAL DEPTH: 7420.00
COMPLETION DATE: 04/19/1982
PLUG DATE 10/13/1998
WELL LOCATION SOURCE: OPERATOR REPORTED LOCATION

MAPID# 38

API #: 17730847 LAT: 29.3449 LONG: -97.5977
WELL #: 4 WELL TYPE: OIL WELL
OPERATOR: ROSS GAS AND OIL, LTD. CO.
LEASENAME: BARNETT, W.L. ET AL
TOTAL DEPTH: 7583.00
COMPLETION DATE: 06/11/1981
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 39

API #: 17730557 LAT: 29.3697 LONG: -97.5784
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: BLANCO OIL CO.
LEASENAME: HINTON, T.E.
TOTAL DEPTH: 7407.00
COMPLETION DATE: 05/26/1980
PLUG DATE 11/13/1991
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 40

API #: 17730846 LAT: 29.3786 LONG: -97.5798
WELL #: 2 WELL TYPE: PLUGGED OIL WELL
OPERATOR: MARSHALL & WINSTON, INC.
LEASENAME: HINTON -B- TR. I
TOTAL DEPTH: 7130.00
COMPLETION DATE: 06/05/1981
PLUG DATE 10/11/1983
WELL LOCATION SOURCE: RRC HARDCOPY MAP



OIL / GAS REPORT

MAPID# 41

API #: 17731712 LAT: 29.3781 LONG: -97.5898
WELL #: 1 WELL TYPE: DRY HOLE
OPERATOR: BURNETT, G.K.
LEASENAME: SAMPLE BROS.
TOTAL DEPTH: 4500.00
COMPLETION DATE: 00/00/0000
PLUG DATE 06/08/1988
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 42

API #: 17732034 LAT: 29.3773 LONG: -97.5854
WELL #: 1 WELL TYPE: PERMITTED LOCATION
OPERATOR: PEDECO, INC.
LEASENAME: HINTON
TOTAL DEPTH: 0.00
COMPLETION DATE: 00/00/0000
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: OPERATOR REPORTED LOCATION

MAPID# 43

API #: 17730601 LAT: 29.3746 LONG: -97.5777
WELL #: 2 WELL TYPE: PLUGGED OIL WELL
OPERATOR: BLANCO OIL CO.
LEASENAME: HINTON, T.E.
TOTAL DEPTH: 7374.00
COMPLETION DATE: 09/30/1980
PLUG DATE 10/17/1983
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 44

API #: 17730689 LAT: 29.3747 LONG: -97.5852
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: BLANCO OIL CO.
LEASENAME: HINTON "B"
TOTAL DEPTH: 7240.00
COMPLETION DATE: 02/19/1981
PLUG DATE 11/05/1991
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 45

API #: 17730510 LAT: 29.3739 LONG: -97.5786
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: TIPPERARY OIL & GAS CORPORATION
LEASENAME: BARNETT, W.L. ET AL
TOTAL DEPTH: 7365.00
COMPLETION DATE: 11/01/1979
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: RRC HARDCOPY MAP



OIL / GAS REPORT

MAPID# 46

API #: 17730549 LAT: 29.3731 LONG: -97.5736
WELL #: 2 WELL TYPE: PLUGGED OIL WELL
OPERATOR: TIPPERARY OIL & GAS CORPORATION
LEASENAME: BARNETT, W.L. ET AL
TOTAL DEPTH: 7404.00
COMPLETION DATE: 05/05/1980
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 47

API #: 17730915 LAT: 29.3720 LONG: -97.5899
WELL #: 3 WELL TYPE: PLUGGED OIL WELL
OPERATOR: MARSHALL & WINSTON, INC.
LEASENAME: HINTON-B- TR. 2
TOTAL DEPTH: 7225.00
COMPLETION DATE: 11/04/1981
PLUG DATE 10/05/1983
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 48

API #: 17731017 LAT: 29.3695 LONG: -97.5943
WELL #: 4 WELL TYPE: PLUGGED OIL WELL
OPERATOR: MARSHALL & WINSTON, INC.
LEASENAME: HINTON-B- TR. 3
TOTAL DEPTH: 7170.00
COMPLETION DATE: 11/04/1981
PLUG DATE 09/23/1983
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 49

API #: 17730520 LAT: 29.3685 LONG: -97.5718
WELL #: 2 WELL TYPE: PLUGGED OIL WELL
OPERATOR: J.W. SERVICE COMPANY
LEASENAME: GLEGHORN, MAYME
TOTAL DEPTH: 7400.00
COMPLETION DATE: 02/11/1980
PLUG DATE 05/15/1998
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 50

API #: 17730996 LAT: 29.3666 LONG: -97.5842
WELL #: 5 WELL TYPE: OIL WELL
OPERATOR: MEXAMERICAN WELL SERVICE CORP.
LEASENAME: GRIFFIN, G.G. ET AL
TOTAL DEPTH: 7297.00
COMPLETION DATE: 08/28/1981
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: RRC HARDCOPY MAP



OIL / GAS REPORT

MAPID# 51

API #: 177 LAT: 29.3661 LONG: -97.5735
WELL #: 1 WELL TYPE: OIL WELL
OPERATOR: NOT REPORTED
LEASENAME: NOT REPORTED
TOTAL DEPTH: NOT REPORTED
COMPLETION DATE: NOT REPORTED
PLUG DATE NOT REPORTED
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 52

API #: 17730497 LAT: 29.3624 LONG: -97.5736
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: J & S OPERATING
LEASENAME: GLEGHORN, MAYME
TOTAL DEPTH: 7493.00
COMPLETION DATE: 04/17/1980
PLUG DATE 10/25/1983
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 53

API #: 17731016 LAT: 29.3653 LONG: -97.5898
WELL #: 6 WELL TYPE: CANCELED LOCATION
OPERATOR: MARSHALL & WINSTON, INC.
LEASENAME: GRIFFIN, G.G. ET AL
TOTAL DEPTH: 0.00
COMPLETION DATE: 00/00/0000
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 54

API #: 17731015 LAT: 29.3639 LONG: -97.5847
WELL #: 4 WELL TYPE: OIL WELL
OPERATOR: MEXAMERICAN WELL SERVICE CORP.
LEASENAME: GRIFFIN, G.G. ET AL
TOTAL DEPTH: 7405.00
COMPLETION DATE: 11/17/1981
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 55

API #: 17730487 LAT: 29.3635 LONG: -97.5782
WELL #: 2 WELL TYPE: PLUGGED OIL WELL
OPERATOR: MEXAMERICAN WELL SERVICE CORP.
LEASENAME: GRIFFIN, G.G. ET AL
TOTAL DEPTH: 7435.00
COMPLETION DATE: 11/01/1979
PLUG DATE 05/03/1996
WELL LOCATION SOURCE: RRC HARDCOPY MAP



OIL / GAS REPORT

MAPID# 56

API #: 17731018 LAT: 29.3590 LONG: -97.5836
WELL #: 3 WELL TYPE: PLUGGED OIL WELL
OPERATOR: MEXAMERICAN WELL SERVICE CORP.
LEASENAME: GRIFFIN, G.G. ET AL
TOTAL DEPTH: 7450.00
COMPLETION DATE: 11/25/1981
PLUG DATE 04/26/1998
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 57

API #: 17730431 LAT: 29.3582 LONG: -97.5790
WELL #: 1 WELL TYPE: OIL WELL
OPERATOR: MEXAMERICAN WELL SERVICE CORP.
LEASENAME: GRIFFIN, G.G. ET AL
TOTAL DEPTH: 7480.00
COMPLETION DATE: 11/01/1979
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 58

API #: 17730614 LAT: 29.3829 LONG: -97.5887
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: DOMINION MINERALS CORPORATION
LEASENAME: CHUBBY BROILERS, INC.
TOTAL DEPTH: 7100.00
COMPLETION DATE: 04/22/1989
PLUG DATE 03/14/1994
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 59

API #: 17730185 LAT: 29.3665 LONG: -97.5682
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: BLANCO OIL CO.
LEASENAME: BARNETT ETAL
TOTAL DEPTH: 7458.00
COMPLETION DATE: 11/01/1979
PLUG DATE 11/18/1991
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 60

API #: 17731361 LAT: 29.3638 LONG: -97.6981
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: TRANSCONTINENTAL OIL CORPORATION
LEASENAME: COOK, L.D. -38-
TOTAL DEPTH: 6282.00
COMPLETION DATE: 05/15/1983
PLUG DATE 03/14/1984
WELL LOCATION SOURCE: RRC HARDCOPY MAP



OIL / GAS REPORT

MAPID# 61 Distance from Property: 0.03 mi. NE

API #: 17730857 LAT: 29.3921 LONG: -97.6064
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: TIPPERARY OIL & GAS CORPORATION
LEASENAME: BUSH
TOTAL DEPTH: 6858.00
COMPLETION DATE: 04/01/1981
PLUG DATE 11/07/1985
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 62 Distance from Property: 0.05 mi. S

API #: 177 LAT: 29.3162 LONG: -97.6263
WELL #: 1 WELL TYPE: OIL WELL
OPERATOR: NOT REPORTED
LEASENAME: NOT REPORTED
TOTAL DEPTH: NOT REPORTED
COMPLETION DATE: NOT REPORTED
PLUG DATE NOT REPORTED
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 63 Distance from Property: 0.07 mi. SW

API #: 17730168 LAT: 29.3077 LONG: -97.6617
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: MEXAMERICAN WELL SERVICE CORP.
LEASENAME: CHANDLER, BYRON
TOTAL DEPTH: 7091.00
COMPLETION DATE: 08/10/1989
PLUG DATE 05/28/1998
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 64 Distance from Property: 0.08 mi. W

API #: 17730212 LAT: 29.3710 LONG: -97.6897
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: CHALLENGER OIL INC
LEASENAME: COLWELL, DOYLE
TOTAL DEPTH: 5935.00
COMPLETION DATE: 10/26/1976
PLUG DATE 09/02/2003
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 65 Distance from Property: 0.09 mi. W

API #: 17730462 LAT: 29.3489 LONG: -97.6645
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: UNION DOMINION OIL CORPORATION
LEASENAME: COOK, ELVIN
TOTAL DEPTH: 8782.00
COMPLETION DATE: 06/12/1982
PLUG DATE 01/14/2002
WELL LOCATION SOURCE: RRC HARDCOPY MAP



OIL / GAS REPORT

MAPID# 66 Distance from Property: 0.10 mi. SE

API #: 17730551 LAT: 29.3400 LONG: -97.5980
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: GEO-GRAPHIC PRODUCTION, INC.
LEASENAME: KIFER, ROZELLA
TOTAL DEPTH: 7770.00
COMPLETION DATE: 04/12/1980
PLUG DATE 09/09/1987
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 67 Distance from Property: 0.11 mi. SE

API #: 177 LAT: 29.3454 LONG: -97.6037
WELL #: 1 WELL TYPE: OIL WELL
OPERATOR: NOT REPORTED
LEASENAME: NOT REPORTED
TOTAL DEPTH: NOT REPORTED
COMPLETION DATE: NOT REPORTED
PLUG DATE NOT REPORTED
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 68 Distance from Property: 0.12 mi. E

API #: 17730561 LAT: 29.3562 LONG: -97.5761
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: MODERN EXPLORATION, INC.
LEASENAME: KIFER
TOTAL DEPTH: 7631.00
COMPLETION DATE: 05/31/1980
PLUG DATE 03/26/1993
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 69 Distance from Property: 0.13 mi. E

API #: 17730522 LAT: 29.3591 LONG: -97.5721
WELL #: 1 WELL TYPE: OIL WELL
OPERATOR: DEE-JAY EXPLORATION COMPANY
LEASENAME: KIFER, L.H.
TOTAL DEPTH: 7523.00
COMPLETION DATE: 03/21/1980
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 70 Distance from Property: 0.13 mi. S

API #: 17731118 LAT: 29.3074 LONG: -97.6462
WELL #: 2 WELL TYPE: PLUGGED OIL WELL
OPERATOR: SANTA FE MINERALS, INC.
LEASENAME: BYRON UNIT
TOTAL DEPTH: 7470.00
COMPLETION DATE: 12/05/1981
PLUG DATE 05/03/1984
WELL LOCATION SOURCE: RRC HARDCOPY MAP



OIL / GAS REPORT

MAPID# 71 Distance from Property: 0.14 mi. E

API #: 177 LAT: 29.3556 LONG: -97.5765
WELL #: 1 WELL TYPE: PERMITTED LOCATION
OPERATOR: NOT REPORTED
LEASENAME: NOT REPORTED
TOTAL DEPTH: NOT REPORTED
COMPLETION DATE: NOT REPORTED
PLUG DATE NOT REPORTED
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 72 Distance from Property: 0.14 mi. E

API #: 17730655 LAT: 29.3488 LONG: -97.5853
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: L & L PIPE & SUPPLY INC.
LEASENAME: LOWRY, RUBY
TOTAL DEPTH: 7704.00
COMPLETION DATE: 10/17/1981
PLUG DATE 07/18/1987
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 73 Distance from Property: 0.14 mi. E

API #: 17730457 LAT: 29.3441 LONG: -97.5908
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: MGF OIL CORPORATION
LEASENAME: BREMER, C.W.
TOTAL DEPTH: 7540.00
COMPLETION DATE: 09/30/1978
PLUG DATE 09/11/1985
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 74 Distance from Property: 0.14 mi. E

API #: 17730536 LAT: 29.3692 LONG: -97.5647
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: H.D.C. VENTURES, INC.
LEASENAME: DAWE "A" UNIT
TOTAL DEPTH: 7407.00
COMPLETION DATE: 03/01/1980
PLUG DATE 02/11/1986
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 75 Distance from Property: 0.14 mi. NW

API #: 17731376 LAT: 29.4088 LONG: -97.6965
WELL #: 1 WELL TYPE: CANCELED LOCATION
OPERATOR: GREENBRIAR CORP., THE
LEASENAME: BROWN, WM. BREWSTER
TOTAL DEPTH: 0.00
COMPLETION DATE: 00/00/0000
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: RRC HARDCOPY MAP



OIL / GAS REPORT

MAPID# 76 Distance from Property: 0.15 mi. SE

API #: 17731724 LAT: 29.3390 LONG: -97.5982
WELL #: 1 WELL TYPE: DRY HOLE
OPERATOR: WILBANKS, BRUCE A. COMPANY
LEASENAME: KIFER
TOTAL DEPTH: 4900.00
COMPLETION DATE: 00/00/0000
PLUG DATE 11/07/1988
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 77 Distance from Property: 0.15 mi. S

API #: 17730823 LAT: 29.3061 LONG: -97.6411
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: RATEX ENERGY INC.
LEASENAME: BUNDICK, J.B.
TOTAL DEPTH: 7250.00
COMPLETION DATE: 04/18/1981
PLUG DATE 08/05/1991
WELL LOCATION SOURCE: OPERATOR REPORTED LOCATION

MAPID# 78 Distance from Property: 0.16 mi. E

API #: 17730785 LAT: 29.3741 LONG: -97.5688
WELL #: 1B WELL TYPE: PLUGGED OIL WELL
OPERATOR: NOT REPORTED
LEASENAME: NOT REPORTED
TOTAL DEPTH: NOT REPORTED
COMPLETION DATE: NOT REPORTED
PLUG DATE NOT REPORTED
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 79 Distance from Property: 0.17 mi. S

API #: 17730990 LAT: 29.3247 LONG: -97.6194
WELL #: 1 WELL TYPE: OIL WELL
OPERATOR: GEO-GRAPHIC PRODUCTION, INC.
LEASENAME: SHEFFIELD UNIT
TOTAL DEPTH: 7531.00
COMPLETION DATE: 07/22/1981
PLUG DATE 11/06/1986
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 80 Distance from Property: 0.17 mi. S

API #: 17731002 LAT: 29.3269 LONG: -97.6217
WELL #: 1 WELL TYPE: OIL WELL
OPERATOR: ONE MADISON ENERGY, INC.
LEASENAME: PARKER, MARY ET AL
TOTAL DEPTH: 7416.00
COMPLETION DATE: 10/01/1981
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: RRC HARDCOPY MAP



OIL / GAS REPORT

MAPID# 81 Distance from Property: 0.19 mi. NW

API #: 17730927 LAT: 29.3817 LONG: -97.6886
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: CORYELL PETROLEUM COMPANY
LEASENAME: BARTZ-MANNING OIL UNIT
TOTAL DEPTH: 5732.00
COMPLETION DATE: 09/24/1983
PLUG DATE 02/20/1984
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 82 Distance from Property: 0.20 mi. E

API #: 17730579 LAT: 29.3794 LONG: -97.5730
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: EVERGREEN OIL CORPORATION
LEASENAME: LAURENCE
TOTAL DEPTH: 7443.00
COMPLETION DATE: 09/01/1980
PLUG DATE 07/17/1987
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 83 Distance from Property: 0.20 mi. E

API #: 177 LAT: 29.3526 LONG: -97.5788
WELL #: 2 WELL TYPE: PERMITTED LOCATION
OPERATOR: NOT REPORTED
LEASENAME: NOT REPORTED
TOTAL DEPTH: NOT REPORTED
COMPLETION DATE: NOT REPORTED
PLUG DATE NOT REPORTED
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 84 Distance from Property: 0.21 mi. E

API #: 177 LAT: 29.3468 LONG: -97.5860
WELL #: 1 WELL TYPE: OIL WELL
OPERATOR: NOT REPORTED
LEASENAME: NOT REPORTED
TOTAL DEPTH: NOT REPORTED
COMPLETION DATE: NOT REPORTED
PLUG DATE NOT REPORTED
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 85 Distance from Property: 0.25 mi. NE

API #: 17731021 LAT: 29.3903 LONG: -97.5826
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: DOMINION MINERALS CORPORATION
LEASENAME: KENNY B
TOTAL DEPTH: 7800.00
COMPLETION DATE: 03/03/1982
PLUG DATE 03/04/1991
WELL LOCATION SOURCE: OPERATOR REPORTED LOCATION



OIL / GAS REPORT

MAPID# 86 Distance from Property: 0.25 mi. NE

API #: 177 LAT: 29.3892 LONG: -97.5816
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: NOT REPORTED
LEASENAME: NOT REPORTED
TOTAL DEPTH: NOT REPORTED
COMPLETION DATE: NOT REPORTED
PLUG DATE NOT REPORTED
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 87 Distance from Property: 0.25 mi. SE

API #: 17731167 LAT: 29.3210 LONG: -97.6162
WELL #: 2 WELL TYPE: PLUGGED OIL WELL
OPERATOR: WILSON, BILLY R.
LEASENAME: SAMPLE, HORACE UNIT
TOTAL DEPTH: 7547.00
COMPLETION DATE: 05/04/1982
PLUG DATE 03/29/1990
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 88 Distance from Property: 0.27 mi. W

API #: 17731393 LAT: 29.3497 LONG: -97.6712
WELL #: 2 WELL TYPE: PERMITTED LOCATION
OPERATOR: UNION DOMINION OIL CORPORATION
LEASENAME: COOK
TOTAL DEPTH: 0.00
COMPLETION DATE: 00/00/0000
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 89 Distance from Property: 0.28 mi. NW

API #: 17731975 LAT: 29.3811 LONG: -97.6575
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: SEGURO WELL SERVICE, INC.
LEASENAME: ROWELL-BRADLEY UNIT
TOTAL DEPTH: 10785.00
COMPLETION DATE: 00/00/0000
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: OPERATOR REPORTED LOCATION

MAPID# 90 Distance from Property: 0.28 mi. W

API #: 17730921 LAT: 29.3746 LONG: -97.6926
WELL #: 1 WELL TYPE: DRY HOLE
OPERATOR: CATLETT, E. G.
LEASENAME: NOT REPORTED
TOTAL DEPTH: 5811.00
COMPLETION DATE: 00/00/0000
PLUG DATE 12/15/1981
WELL LOCATION SOURCE: RRC HARDCOPY MAP



OIL / GAS REPORT

MAPID# 91 Distance from Property: 0.30 mi. SE

API #: 17730657 LAT: 29.3385 LONG: -97.6183
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: ANTICOE OIL & DEVELOPMENT CO.
LEASENAME: WILLIAMS
TOTAL DEPTH: 7585.00
COMPLETION DATE: 08/08/1981
PLUG DATE 04/04/1987
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 92 Distance from Property: 0.30 mi. W

API #: 17731813 LAT: 29.3466 LONG: -97.6772
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: SANTA FE ENERGY OPER. PART., LP
LEASENAME: COOK, ELVIN
TOTAL DEPTH: 10200.00
COMPLETION DATE: 00/00/0000
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: OPERATOR REPORTED LOCATION

MAPID# 93 Distance from Property: 0.31 mi. NE

API #: 17730817 LAT: 29.3954 LONG: -97.5862
WELL #: 2 WELL TYPE: PLUGGED OIL WELL
OPERATOR: AOP OPERATING CORPORATION
LEASENAME: GILLETTE
TOTAL DEPTH: 6945.00
COMPLETION DATE: 04/10/1981
PLUG DATE 12/04/1985
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 94 Distance from Property: 0.31 mi. NW

API #: 17731533 LAT: 29.4147 LONG: -97.6994
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: HAGEN-GREENBRIAR EXPL. CORP.
LEASENAME: BROWN, WM. BREWSTER
TOTAL DEPTH: 9362.00
COMPLETION DATE: 07/30/1984
PLUG DATE 02/28/1985
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 95 Distance from Property: 0.33 mi. S

API #: 17730966 LAT: 29.3126 LONG: -97.6242
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: DOMINION MINERALS CORPORATION
LEASENAME: SAMPLE UNIT
TOTAL DEPTH: 7600.00
COMPLETION DATE: 06/09/1981
PLUG DATE 03/17/1994
WELL LOCATION SOURCE: RRC HARDCOPY MAP



OIL / GAS REPORT

MAPID# 96 Distance from Property: 0.33 mi. S

API #: 17731146 LAT: 29.3100 LONG: -97.6331
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: HIGHLANDS OPERATING COMPANY, INC.
LEASENAME: POLAN
TOTAL DEPTH: 7510.00
COMPLETION DATE: 01/25/1982
PLUG DATE 06/04/1986
WELL LOCATION SOURCE: WELLBORE DISTANCES

MAPID# 97 Distance from Property: 0.34 mi. S

API #: 17731805 LAT: 29.3251 LONG: -97.6515
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: PONTIAC OIL, INC.
LEASENAME: CRUNK-CASKEY UNIT
TOTAL DEPTH: 10455.00
COMPLETION DATE: 00/00/0000
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: OPERATOR REPORTED LOCATION

MAPID# 98 Distance from Property: 0.36 mi. SW

API #: 177 LAT: 29.3040 LONG: -97.6910
WELL #: 1 WELL TYPE: DRY HOLE
OPERATOR: NOT REPORTED
LEASENAME: NOT REPORTED
TOTAL DEPTH: NOT REPORTED
COMPLETION DATE: NOT REPORTED
PLUG DATE NOT REPORTED
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 99 Distance from Property: 0.37 mi. SE

API #: 177 LAT: 29.3395 LONG: -97.6176
WELL #: 1 WELL TYPE: PERMITTED LOCATION
OPERATOR: NOT REPORTED
LEASENAME: NOT REPORTED
TOTAL DEPTH: NOT REPORTED
COMPLETION DATE: NOT REPORTED
PLUG DATE NOT REPORTED
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 100 Distance from Property: 0.38 mi. S

API #: 17730705 LAT: 29.3036 LONG: -97.6443
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: SANTA FE MINERALS, INC.
LEASENAME: BYRON UNIT
TOTAL DEPTH: 7381.00
COMPLETION DATE: 12/20/1980
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: WELLBORE DISTANCES



OIL / GAS REPORT

MAPID# 101 Distance from Property: 0.41 mi. E

API #: 17730447 LAT: 29.3617 LONG: -97.5619
WELL #: 1 WELL TYPE: OIL WELL
OPERATOR: DOMINION MINERALS CORPORATION
LEASENAME: KIFER, ROZELLA
TOTAL DEPTH: 7654.00
COMPLETION DATE: 05/09/1978
PLUG DATE 00/00/0000
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 102 Distance from Property: 0.41 mi. SE

API #: 17730609 LAT: 29.3385 LONG: -97.5896
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: MODERN EXPLORATION, INC.
LEASENAME: KIFER -A-
TOTAL DEPTH: 7654.00
COMPLETION DATE: 11/18/1980
PLUG DATE 03/22/1993
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 103 Distance from Property: 0.44 mi. NW

API #: 17730707 LAT: 29.3968 LONG: -97.6632
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: EVERGREEN OIL CORPORATION
LEASENAME: BOOTHE, JAMES LEE
TOTAL DEPTH: 6405.00
COMPLETION DATE: 03/13/1981
PLUG DATE 10/16/1981
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 104 Distance from Property: 0.44 mi. NE

API #: 17730815 LAT: 29.4018 LONG: -97.5946
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: L & L PIPE & SUPPLY INC.
LEASENAME: KNADEL, JAMES
TOTAL DEPTH: 6783.00
COMPLETION DATE: 08/14/1985
PLUG DATE 07/17/1987
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 105 Distance from Property: 0.44 mi. S

API #: 17731346 LAT: 29.3151 LONG: -97.6181
WELL #: 3 WELL TYPE: PLUGGED OIL WELL
OPERATOR: WILSON, BILLY R.
LEASENAME: CARL SAMPLE UNIT
TOTAL DEPTH: 7614.00
COMPLETION DATE: 10/06/1982
PLUG DATE 09/30/1993
WELL LOCATION SOURCE: RRC HARDCOPY MAP



OIL / GAS REPORT

MAPID# 106 Distance from Property: 0.46 mi. W

API #: 17731224 LAT: 29.3458 LONG: -97.6919
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: BKL WELL SERVICE
LEASENAME: SHEFFIELD
TOTAL DEPTH: 6212.00
COMPLETION DATE: 04/19/1982
PLUG DATE 08/30/1991
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 107 Distance from Property: 0.47 mi. SW

API #: 177 LAT: 29.3026 LONG: -97.6923
WELL #: 1 WELL TYPE: DRY HOLE
OPERATOR: NOT REPORTED
LEASENAME: NOT REPORTED
TOTAL DEPTH: NOT REPORTED
COMPLETION DATE: NOT REPORTED
PLUG DATE NOT REPORTED
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 108 Distance from Property: 0.48 mi. SW

API #: 17730681 LAT: 29.3322 LONG: -97.6607
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: HMX INVESTMENTS, INC.
LEASENAME: CRUNK
TOTAL DEPTH: 6787.00
COMPLETION DATE: 12/18/1980
PLUG DATE 09/06/1984
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 109 Distance from Property: 0.50 mi. E

API #: 17730589 LAT: 29.3559 LONG: -97.5669
WELL #: 1 WELL TYPE: PLUGGED GAS WELL
OPERATOR: MODERN EXPLORATION, INC.
LEASENAME: KIEFER, MRS. L. A.
TOTAL DEPTH: 7790.00
COMPLETION DATE: 09/22/1982
PLUG DATE 03/24/1993
WELL LOCATION SOURCE: RRC HARDCOPY MAP

MAPID# 110 Distance from Property: 0.51 mi. SW

API #: 17730210 LAT: 29.3270 LONG: -97.6574
WELL #: 1 WELL TYPE: PLUGGED OIL WELL
OPERATOR: 2-C OIL CO., INC.
LEASENAME: CASKEY, EMMETT
TOTAL DEPTH: 6876.00
COMPLETION DATE: 12/20/1976
PLUG DATE 07/17/1984
WELL LOCATION SOURCE: RRC HARDCOPY MAP



OIL & GAS RECORD DEFINITIONS

Map Id Number associated with well bore on Location Map.

API Number: The American Petroleum Institute (API) number of the wellbore in which the well is located.

Well Type: Type of Well (ex: Oil, Gas).

Operator: Organization/Operator name as filed on RCC Organization Report Form (Form P-5).

Lease Name: Name representing a lease.

Total Depth: The maximum depth of the well bore.

Completion Date: Date the well was completed.

Status: Description if well is producing or plugged.

Well Location Source: Railroad Commission location source.



APPENDIX E
SITE PHOTOGRAPHS



Photo #1 - Photo view is to the southeast across the proposed well field area showing the surrounding area as undeveloped. Photo was taken from FM 1682.



Photo #2 – Photo was taken from State Highway 97 towards the north across the proposed well field area showing cattle pasture.



Photo #3 – Photo view is to the southeast across the proposed well field from County Road 132 just north of the intersection with County Road 153.



Photo #4 – Photo view is to the south from the intersection of County Road 103 and 150. Photo shows the surrounding area as agricultural fields.



Photo #5 – Photo view is to the south from County Road 145 and 132. Photo shows the proposed well field area. The surrounding area is agricultural.



Photo #6 – Photo view is to the southwest showing a private access to the proposed well field at the intersection of County Road 119 and an unnamed road.



Photo #7 – Photo view is to the west across County Road 118 from FM 108. Photo background shows the surrounding area as undeveloped.



Photo #8 – Photo view is to the northwest across a oil field service road along FM 108. Photo shows the surrounding area as a light wood area in the area of the proposed well field.



Photo #9 – Photo view is to the north across the proposed well field area from the intersection of FM 77 and FM 108.



Photo #10 – Photo view is to the north across the proposed well field area from FM 77 and County Road 179.



Photo #11 – Photo view is to the southeast along FM 77. Photo left shows the proposed well field area.



Photo #12 – Photo view is to the northwest across County Road 123 and County Road 133.





Photo #13 – Photo view is to the west from the intersection of County Road 133 and County Road 123. Photo view shows the proposed well field area.



Photo #14 – Photo view is to the southwest along FM 77. Photo shows the surrounding area as undeveloped.