

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240
Phone (505) 393-8181 Fax: (505) 393-0720

DISTRICT II

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Phone (505) 748-1283 Fax: (505) 748-0720

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 478-3480 Fax: (505) 478-3482

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

HOBBS OCD

Form C-102

Revised August 1, 2011

OCT 27 2014

Submit one copy to appropriate
District Office

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-42208	Pool Code 98096	Pool Name AGI; CHERRY CANYON-BRUSHY CANYON
Property Code 313824	Property Name Zia AGI	Well Number 1
OGRID No. 36785	Operator Name DCP MIDSTREAM	Elevation 3547'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	19	19 S	32 E		2100	SOUTH	950	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	19	19 S	32 E		2550	SOUTH	750	WEST	LEA

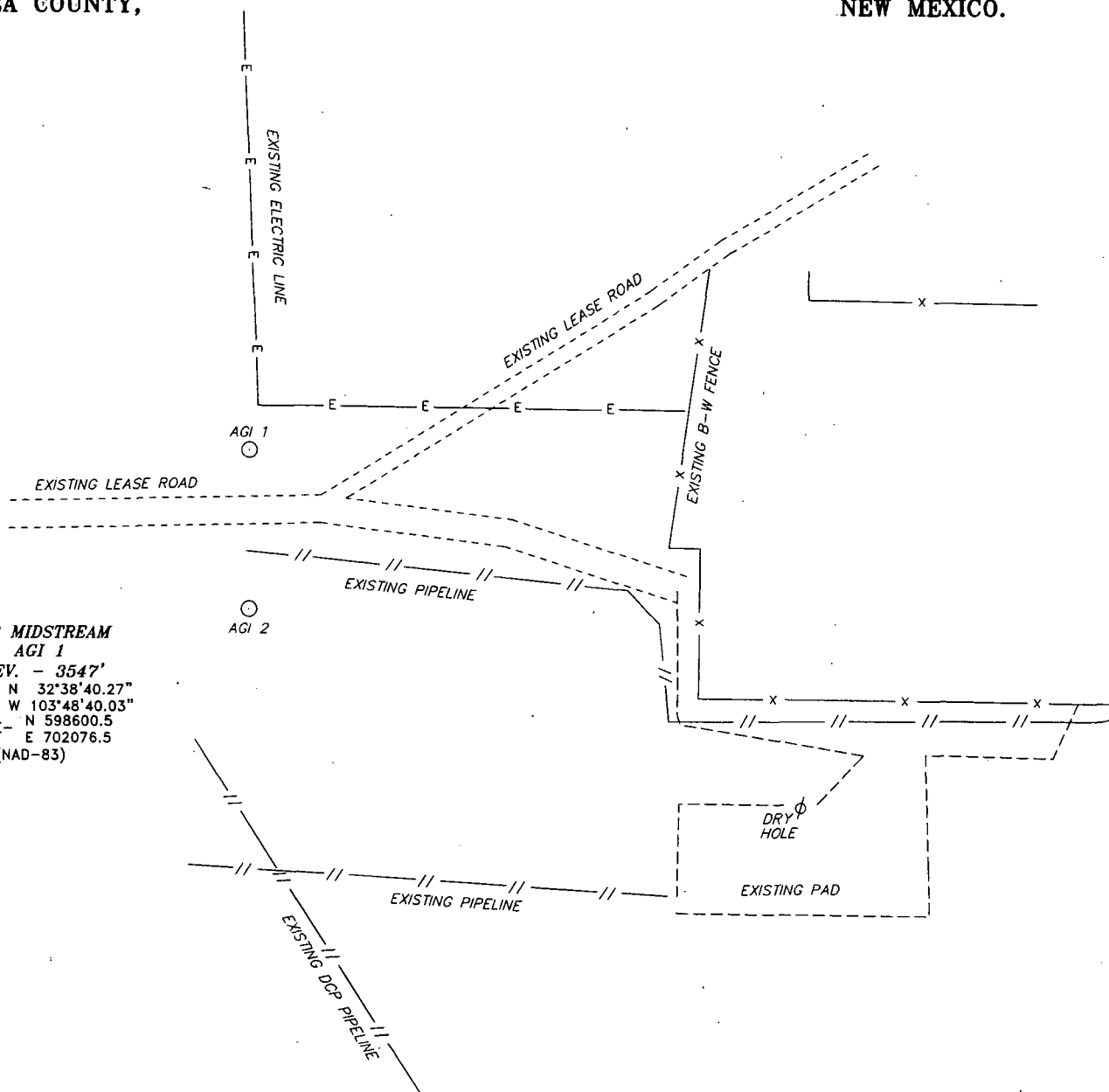
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>N: 601778.8 E: 701104.3 NAD 83</p> <p>2305'</p> <p>750'</p> <p>N: 599138.3 E: 701122.9 NAD 83</p> <p>950'</p> <p>2100'</p> <p>N: 596498.4 E: 701141.1 NAD 83</p> <p>N: 596504.5 E: 703811.3 NAD 83</p> <p>N: 596507.2 E: 706453.4 NAD 83</p>	<p>N: 601787.0 E: 706416.7 NAD 83</p> <p>PROPOSED BOTTOM HOLE LOCATION Lot - N 32°38'48.92" Long - W 103°48'42.38" NMSPCE- N 599475.0 E 701870.5 (NAD-83)</p> <p>SURFACE LOCATION Lot - N 32°38'40.27" Long - W 103°48'40.03" NMSPCE- N 598600.5 E 702076.5 (NAD-83)</p>	<p>OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>Email Address _____</p> <p>SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.</p> <p>Date Surveyed _____</p> <p>Signature & Seal of Professional Surveyor _____</p> <p>Certificate No. 7977</p> <p>Scale: 1" = 1000'</p> <p>WO Num.: 30774</p>
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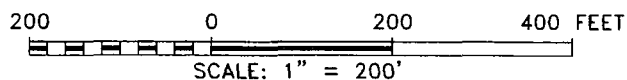
OCT 28 2014

SECTION 19, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



DCP MIDSTREAM
AGI 1
ELEV. - 3547'
Lat - N 32°38'40.27"
Long - W 103°48'40.03"
NMSPC - N 598600.5
E 702076.5
(NAD-83)

LOCO HILLS, NM IS ±15 MILES TO THE NORTHWEST OF LOCATION.



DCP Midstream

REF: AGI 1 / WELL PAD TOPO

THE AGI 1 LOCATED 2100'

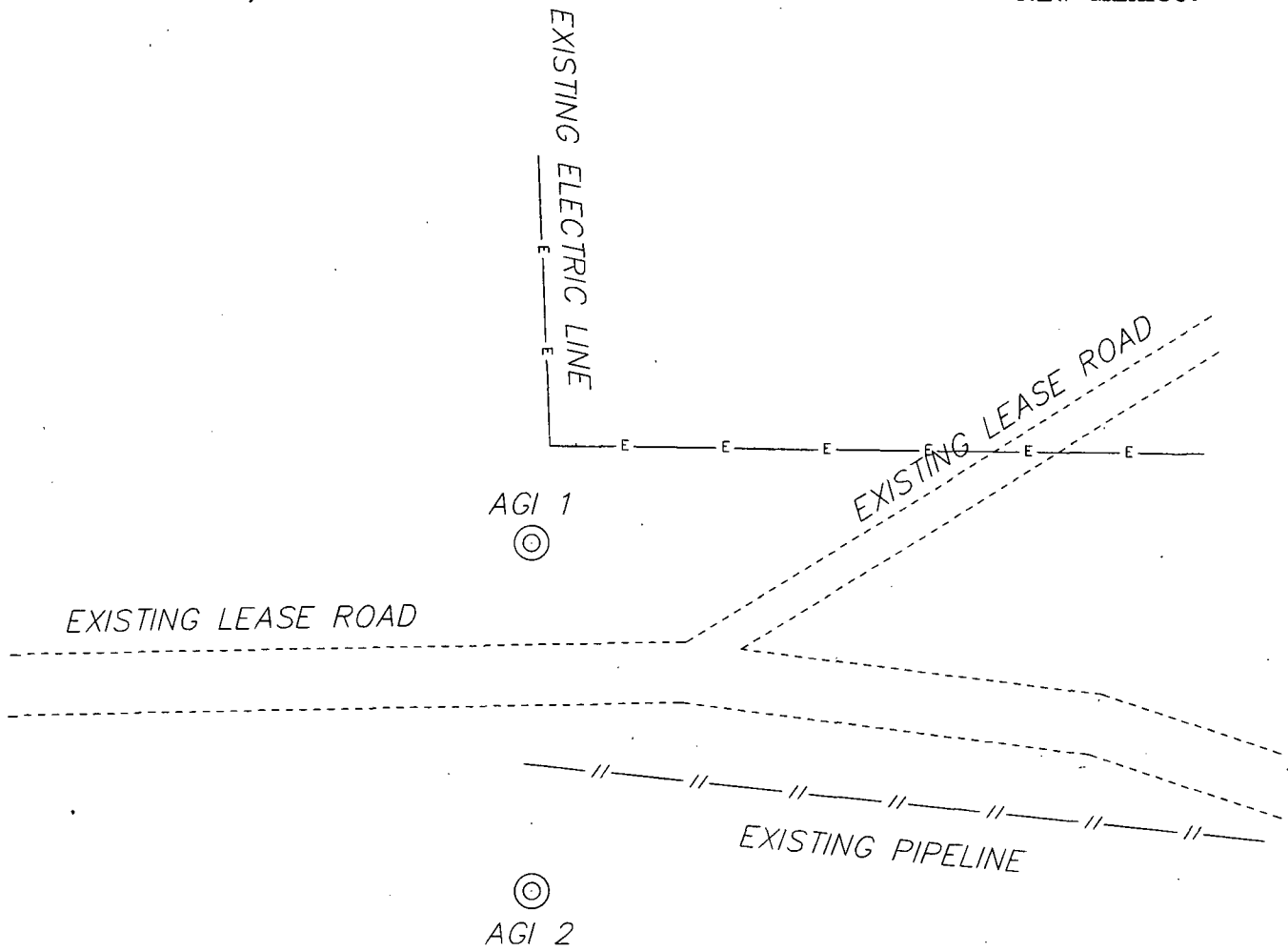
FROM THE SOUTH LINE AND 950' FROM THE WEST LINE OF
SECTION 19, TOWNSHIP 19 SOUTH, RANGE 32 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

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in the oilfield

P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(575) 393-7316 - Office
(575) 392-2206 - Fax
basinsurveys.com

W.O. Number: 30774 | Drawn By: J. SMALL | Date: 08-06-2014 | Survey Date: 08-02-2014 | Sheet 1 of 1 Sheets

SECTION 19, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



100 0 100 200 FEET
SCALE: 1" = 100'

dcp Midstream

REF: AGI 1 / WELL PAD TOPO

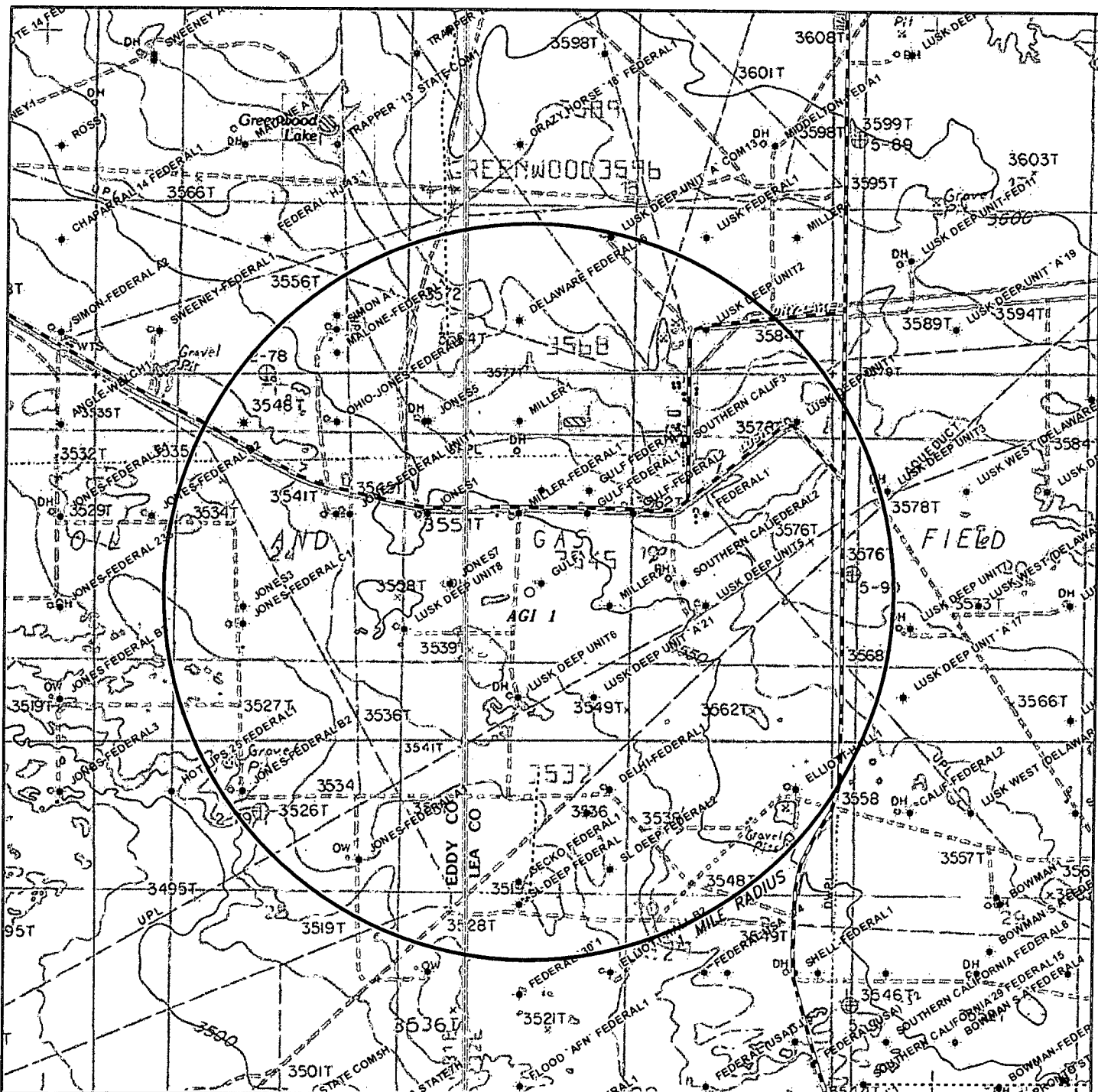
THE AGI 1 LOCATED 2100'

FROM THE SOUTH LINE AND 950' FROM THE WEST LINE OF
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AGI 1

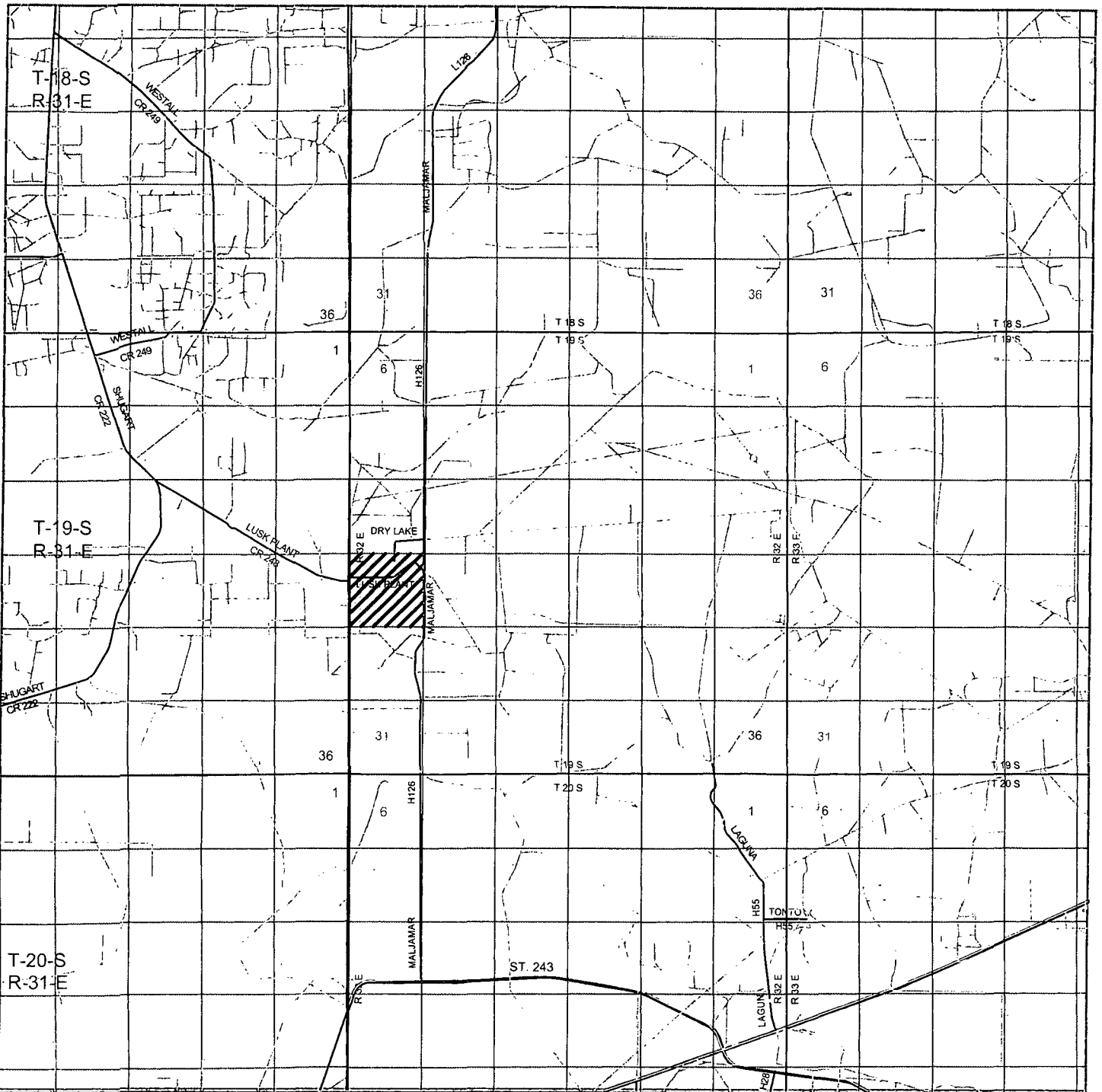
Located 2100' FSL and 950' FWL
Section 19, Township 19 South, Range 32 East,
N.M.P.M., Lea County, New Mexico.

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0' 1000' 2000' 3000' 4000'
SCALE: 1" = 2000'
W.O Number: JMS 30774
Survey Date: 08-02-2014
YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - FEE LAND

dcp
Midstream



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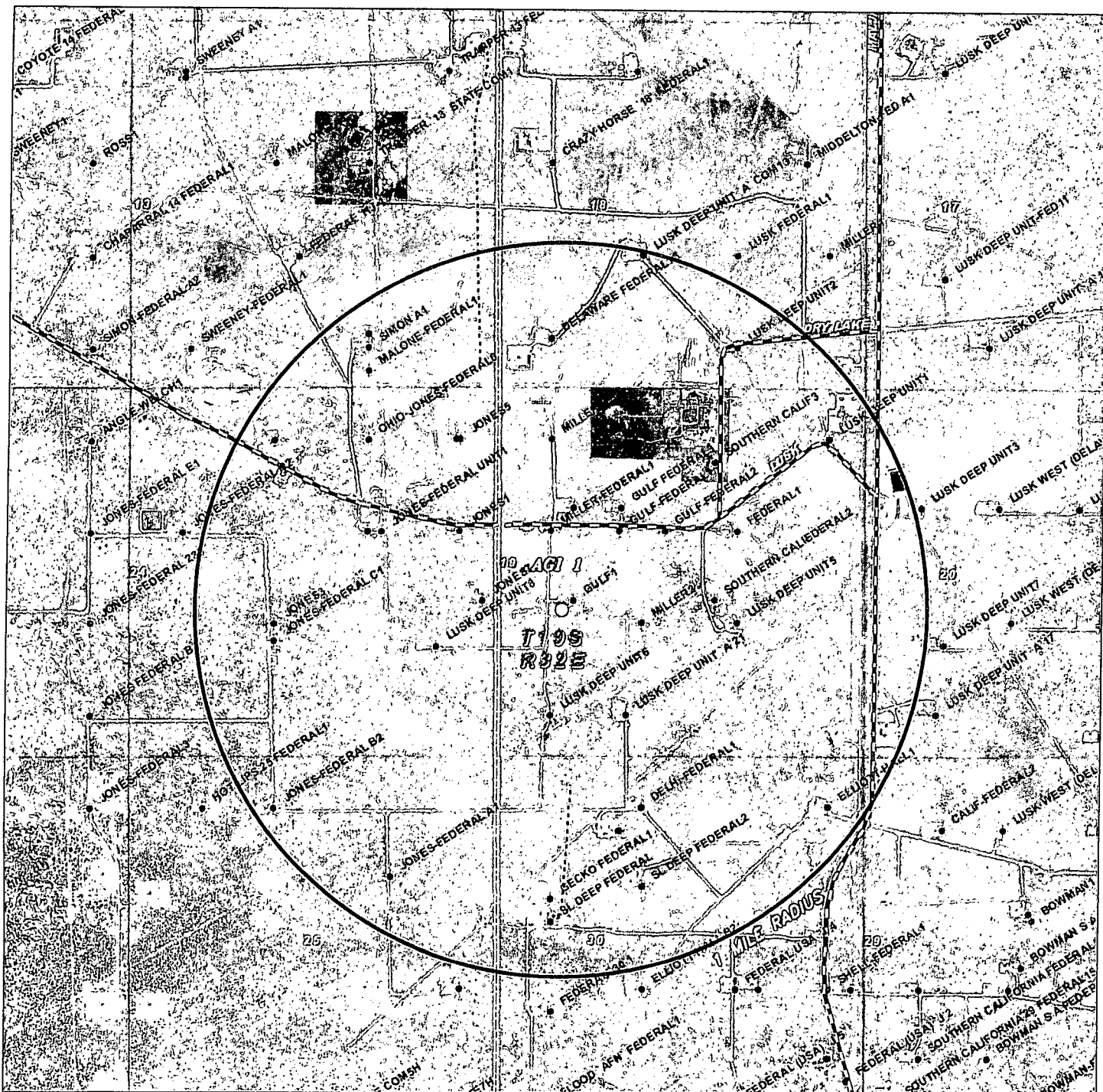
0 1 MI 2 MI 3 MI 4 MI
 SCALE: 1" = 2 MILES

W.O. Number: JMS 30774

Survey Date: 08-02-2014

YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - FEE LAND

dcp
Midstream



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0' 1000' 2000' 3000' 4000'

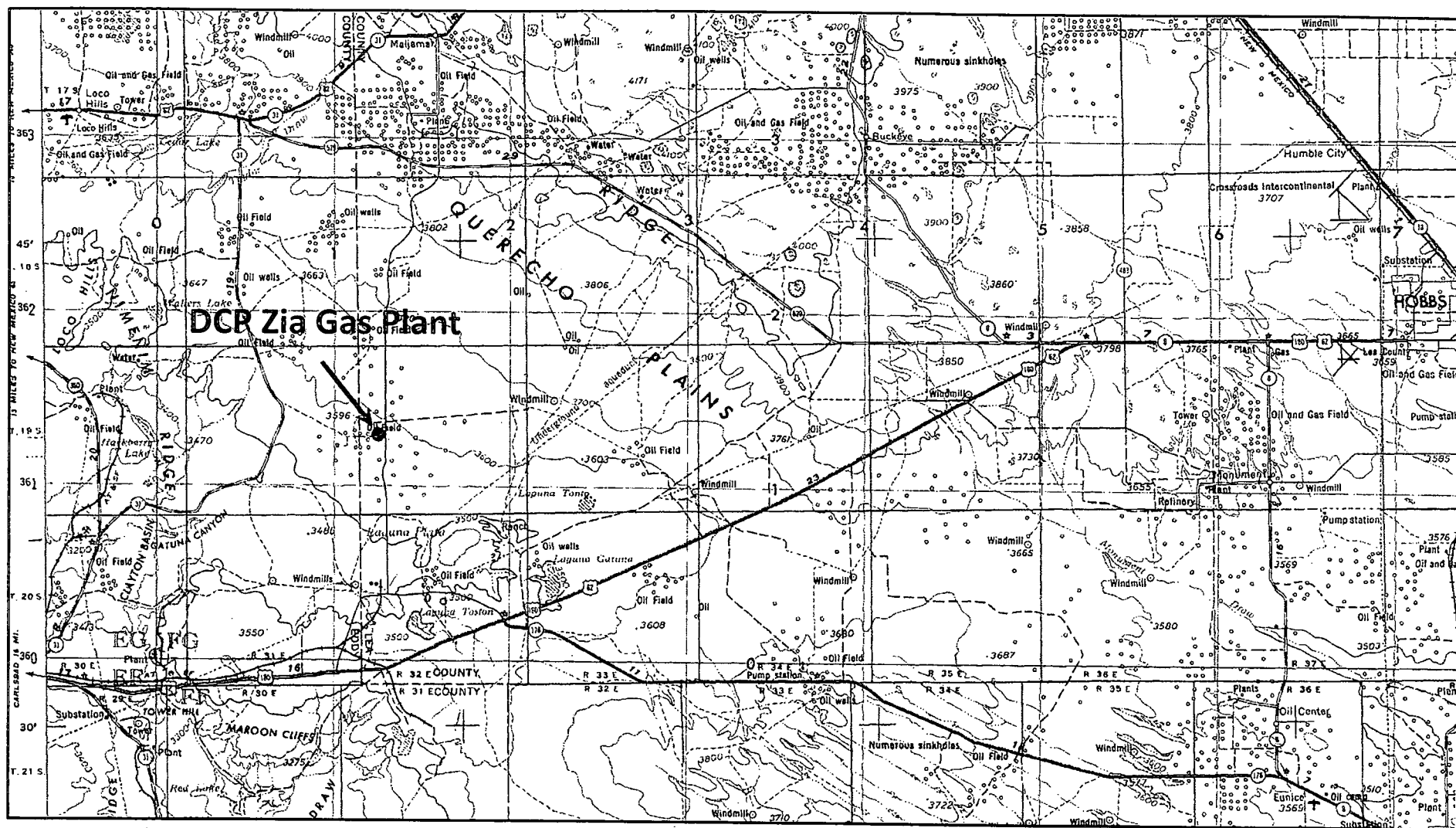
SCALE: 1" = 2000'

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YELLOW TINT - USA LAND
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dcp
Midstream



**Figure 1: Location of the Proposed DCP Zia Gas Plant and AGI Wells.
(USGS 1:250,000)**

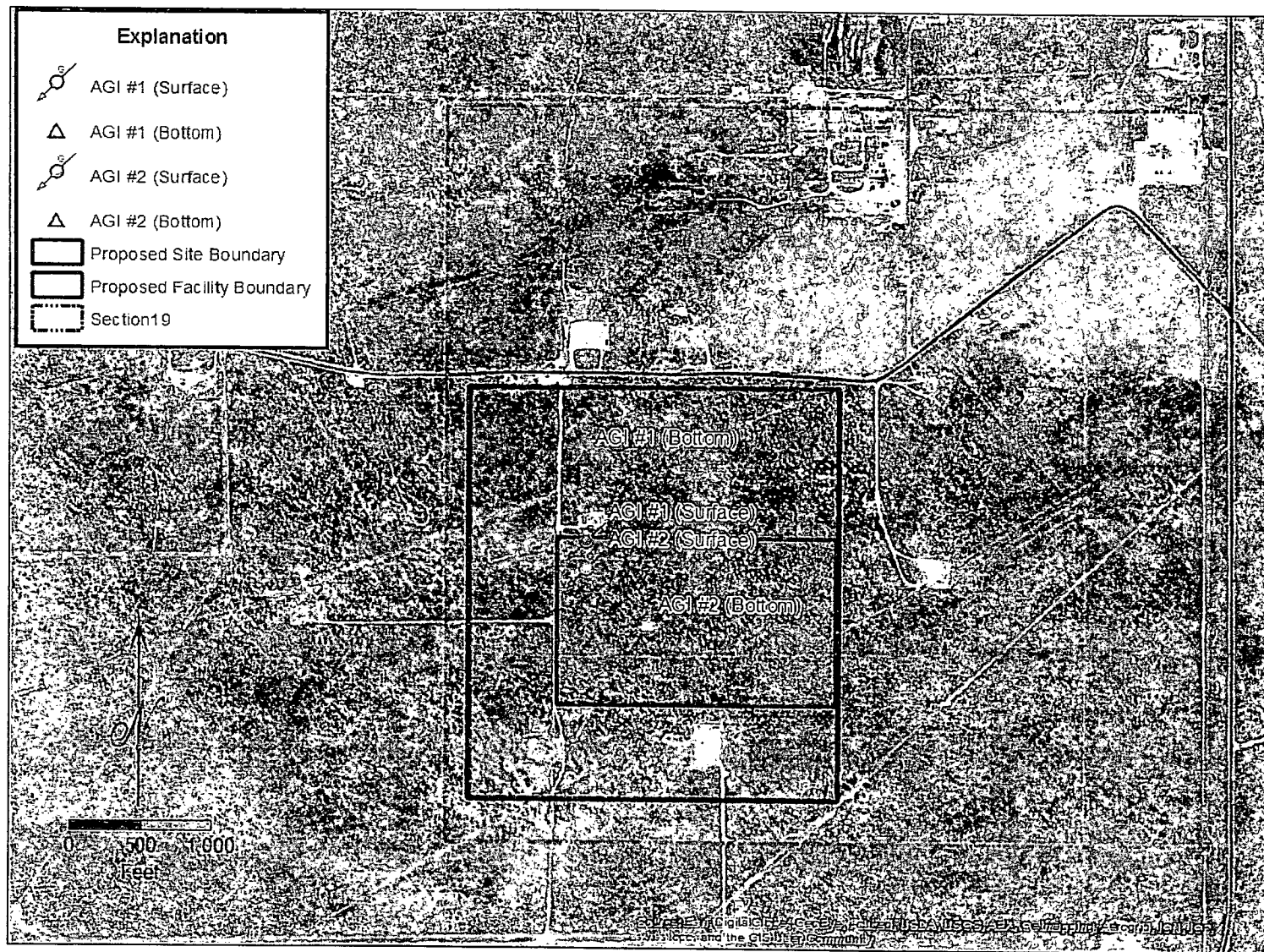
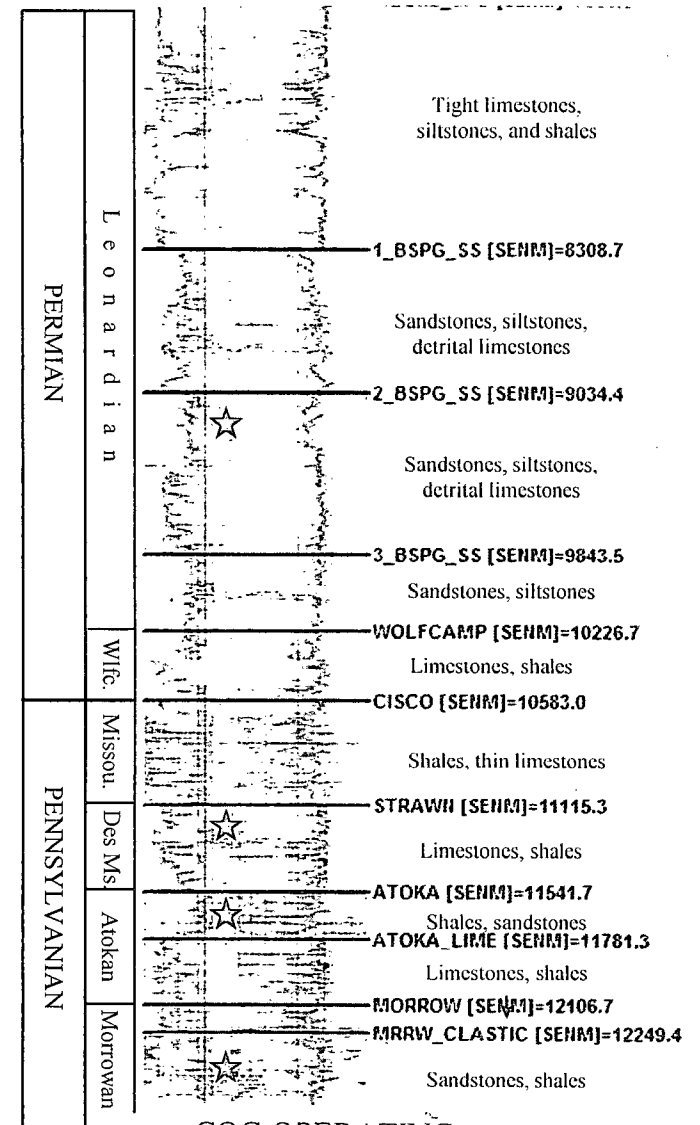
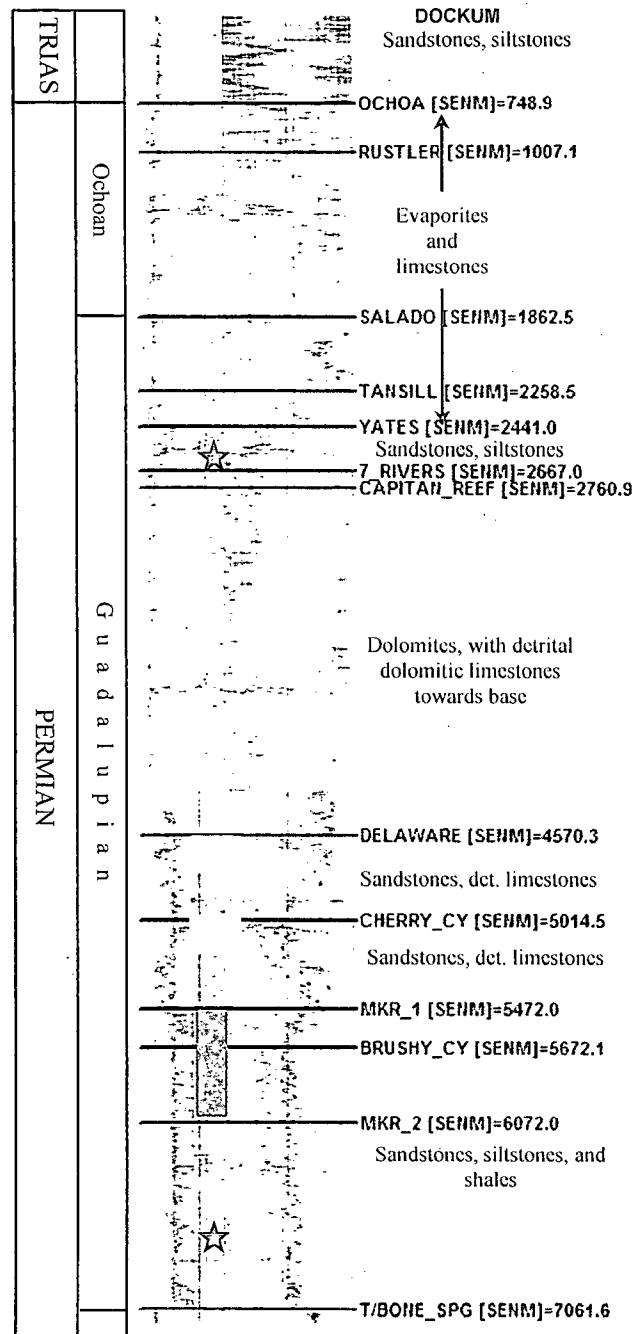


Figure 2: Map Showing Surface and Bottom Hole Locations of Proposed Wells Zia AGI #1 and AGI #2

**Figure 3:
Stratigraphy and
Lithology of
Producing Zones
Above and Below
Proposed Injection
Zone**

Stratigraphy and generalized lithology of the subsurface formations underlying the proposed Zia AGI sites. Zones with active pay within the radii of investigation are shown by the red stars. Other than the Delaware Mountain Group, none of the other formations present under the site contain reservoirs with enough porosity and areal extent to support the AGI needs of the proposed Plant.

The Delaware Group, specifically the interval shown by the blue bar, is the only formation with laterally-extensive reservoirs and are sufficiently isolated from active pay zones either above or below.



**COG OPERATING
LUSK DEEP UNIT 'A' #21**
660 FSL 1750 FWL
T19S R32E S19
County : LEA

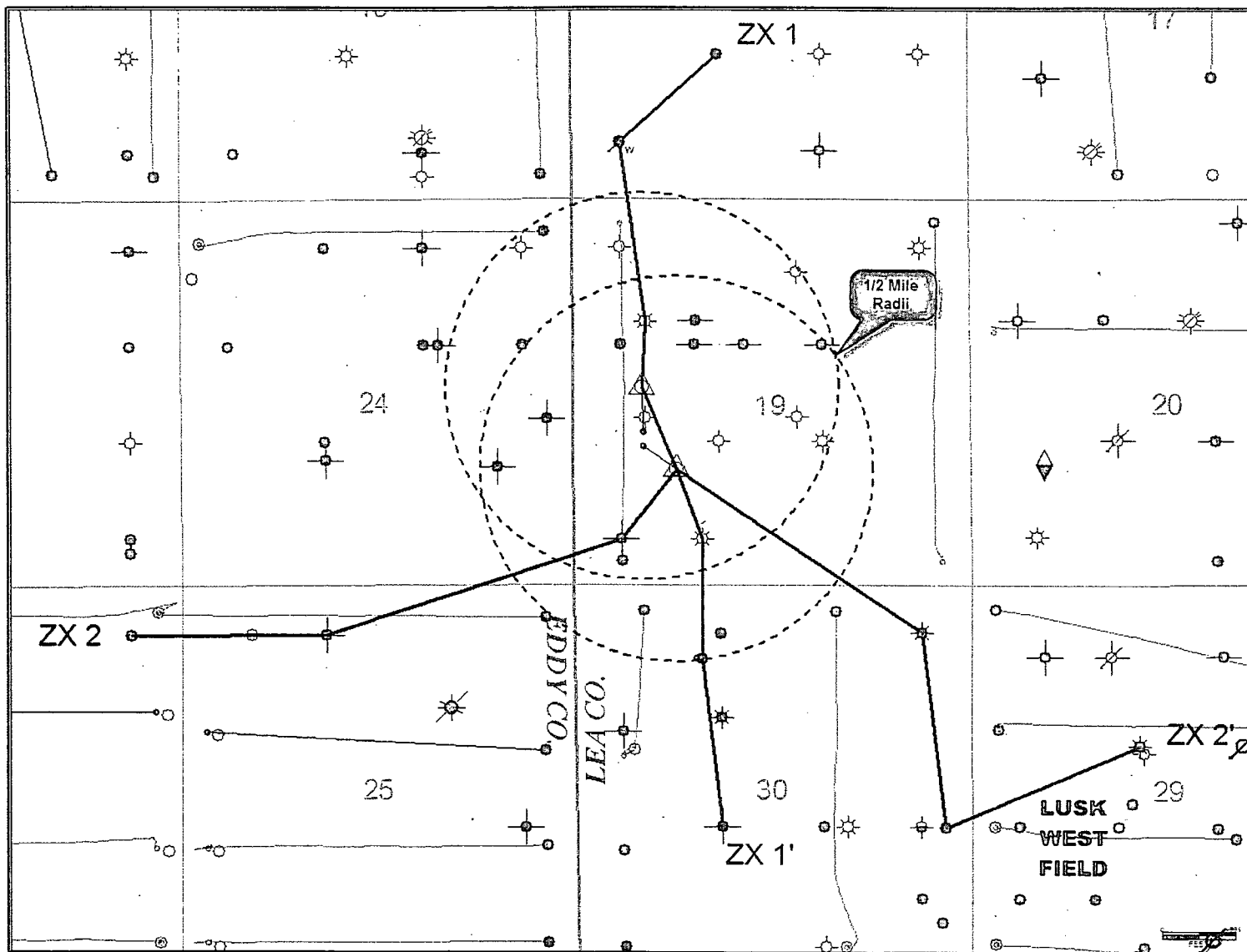


Figure 4: Locations of Cross-Sections ZP-1 and ZP-2

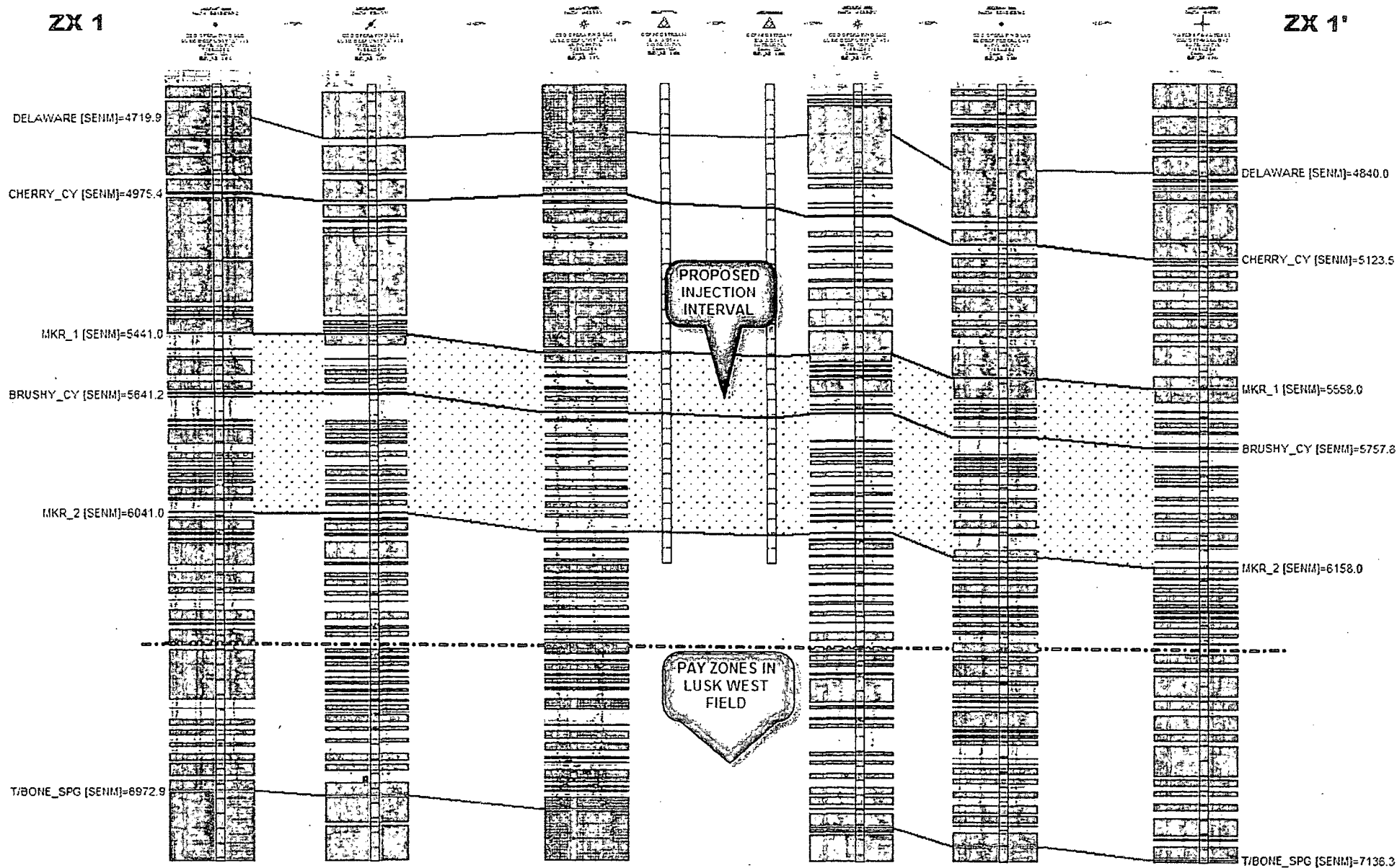


Figure 5: Northwest-Southeast Cross Section Through Delaware Mountain Group in Proposed Injection Area

N-S structure section through the Delaware Mountain Group across the area of the proposed injection zone. Yellow shading denotes sandstone porosity in excess of 10%, and brown shading shows tight facies. There are very thick sections of tight rock above the proposed injection interval that will prevent upward migration of fluids into shallower (Yates) pay zones, and even shallower groundwater zones. There are also alternating tight and sandy facies between the injection interval and lower Brushy Canyon pay zones in the nearby Lusk West Field.

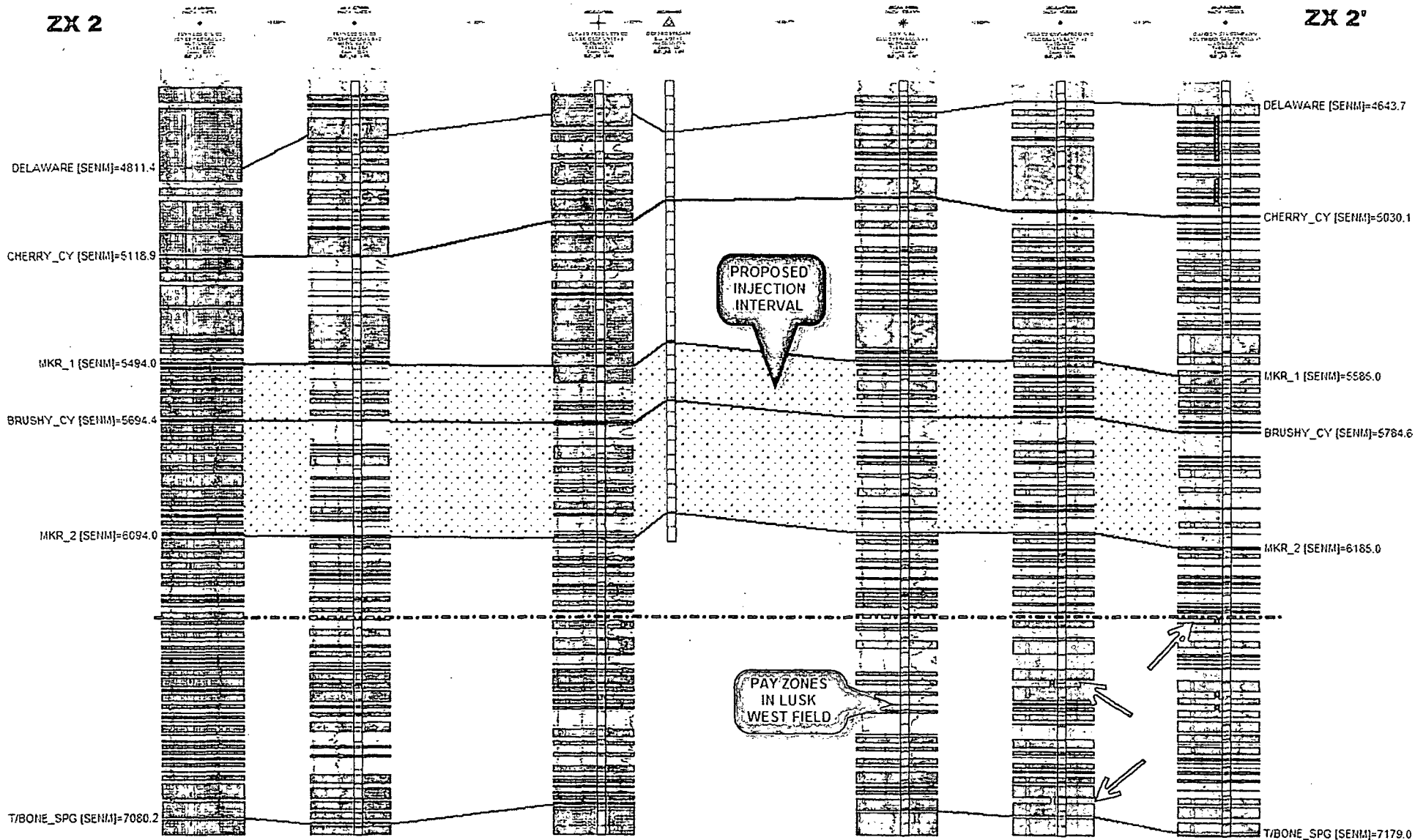


Figure 6: West-East Cross Section Through Delaware Mountain Group in Proposed Injection Area

The W-E structure section shows the caprock relationship above the proposed injection interval, and the intervening tight facies below that would isolate the injection interval from any remaining pay zones in the lower Brushy Canyon. The Lusk West Field produces from several confined, thinner-bedded channel sands that are encased in tight facies.

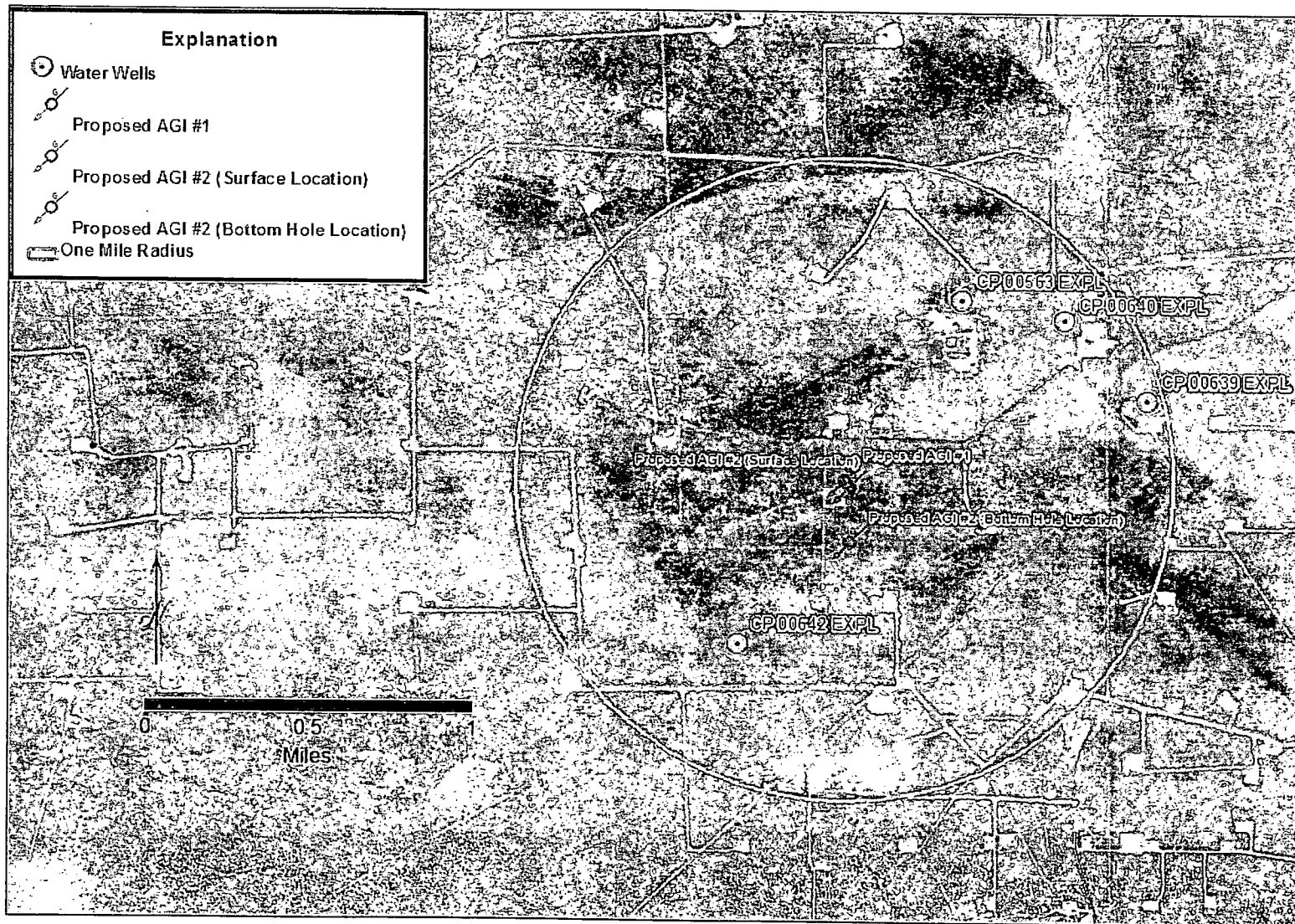
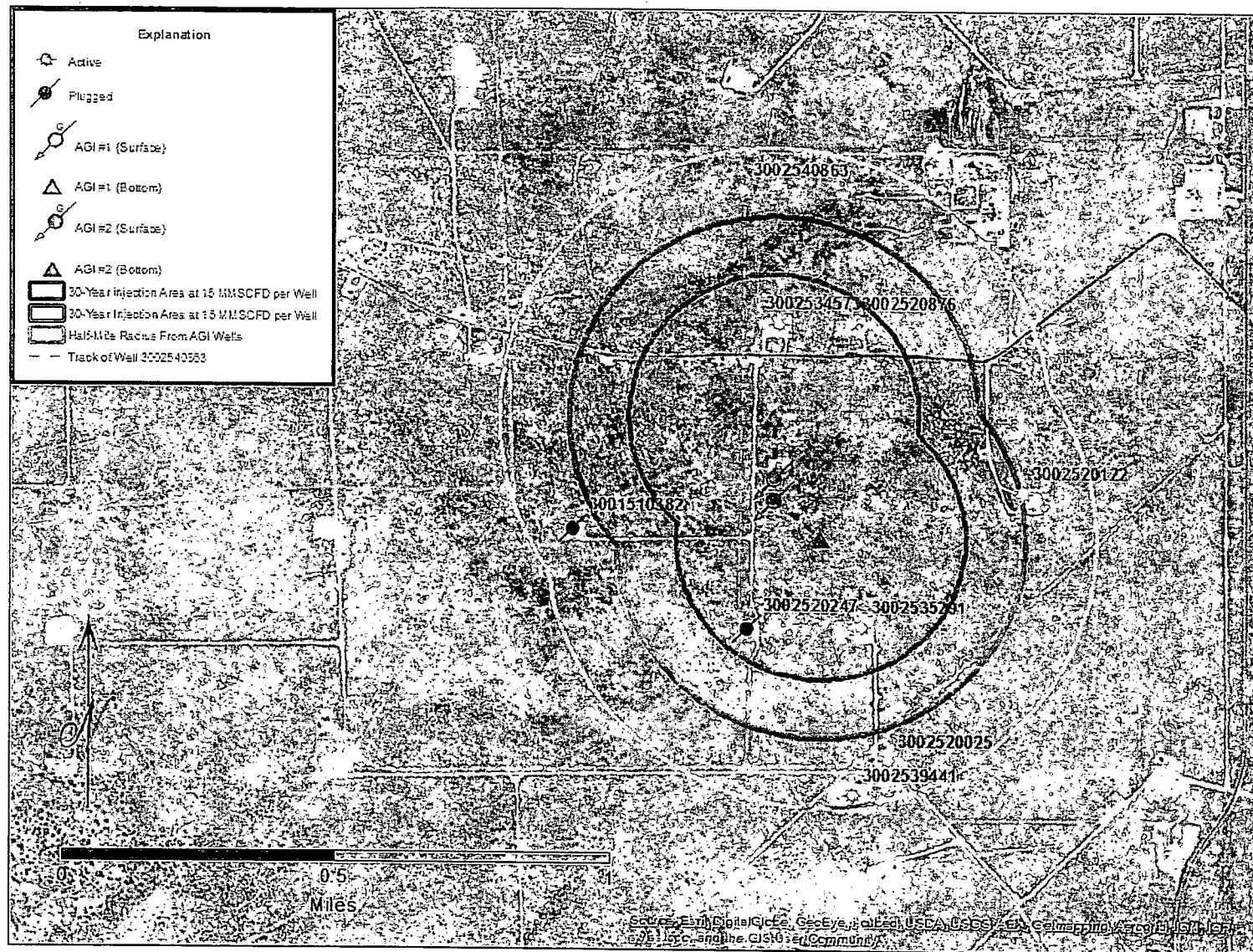


Figure 7: Water Wells Identified by the New Mexico State Engineer's Files within One Mile of the Proposed Zia AGI Wells



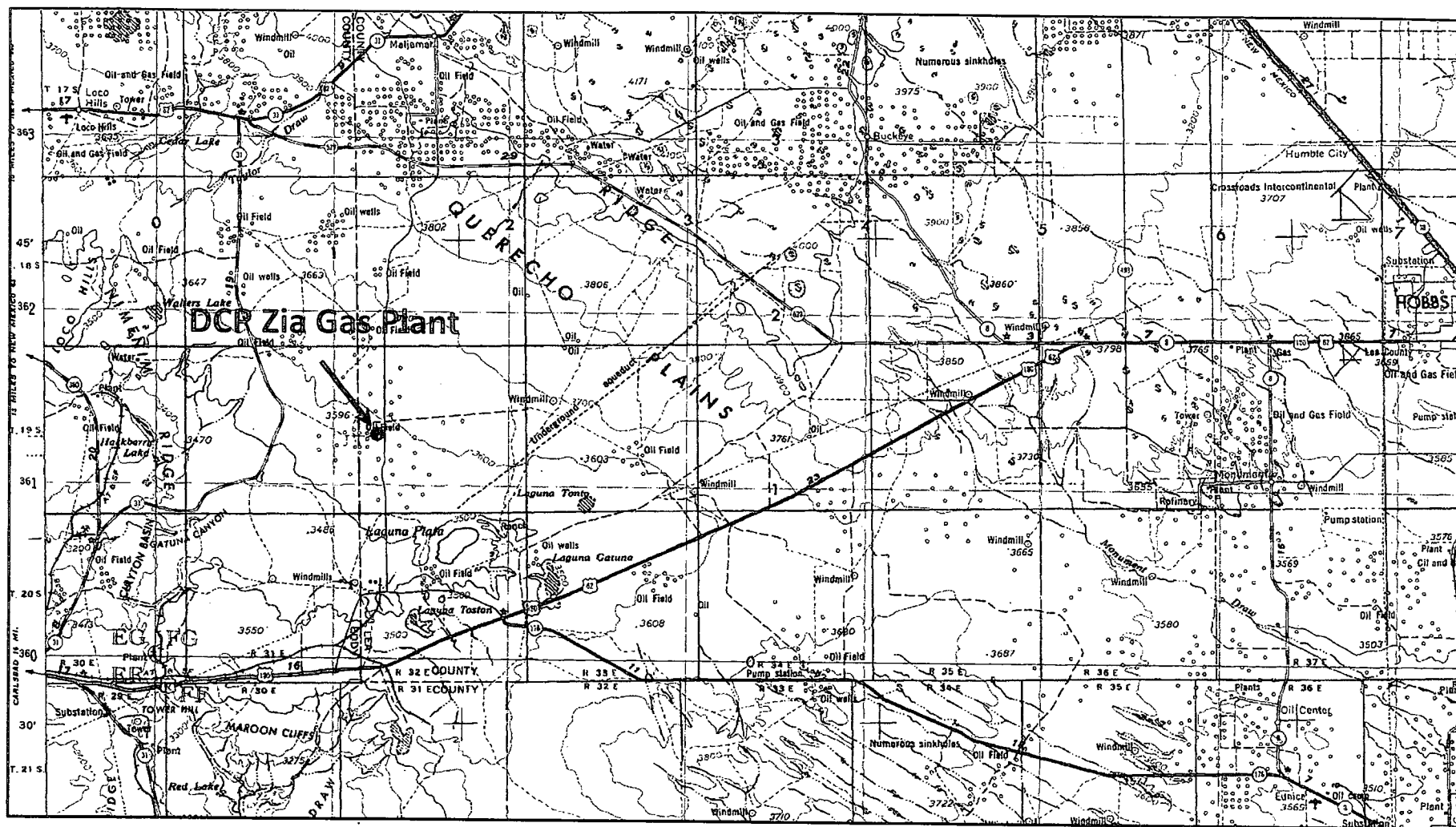


Figure 1: Location of the Proposed DCP Zia Gas Plant and AGI Wells.
(USGS 1:250,000)

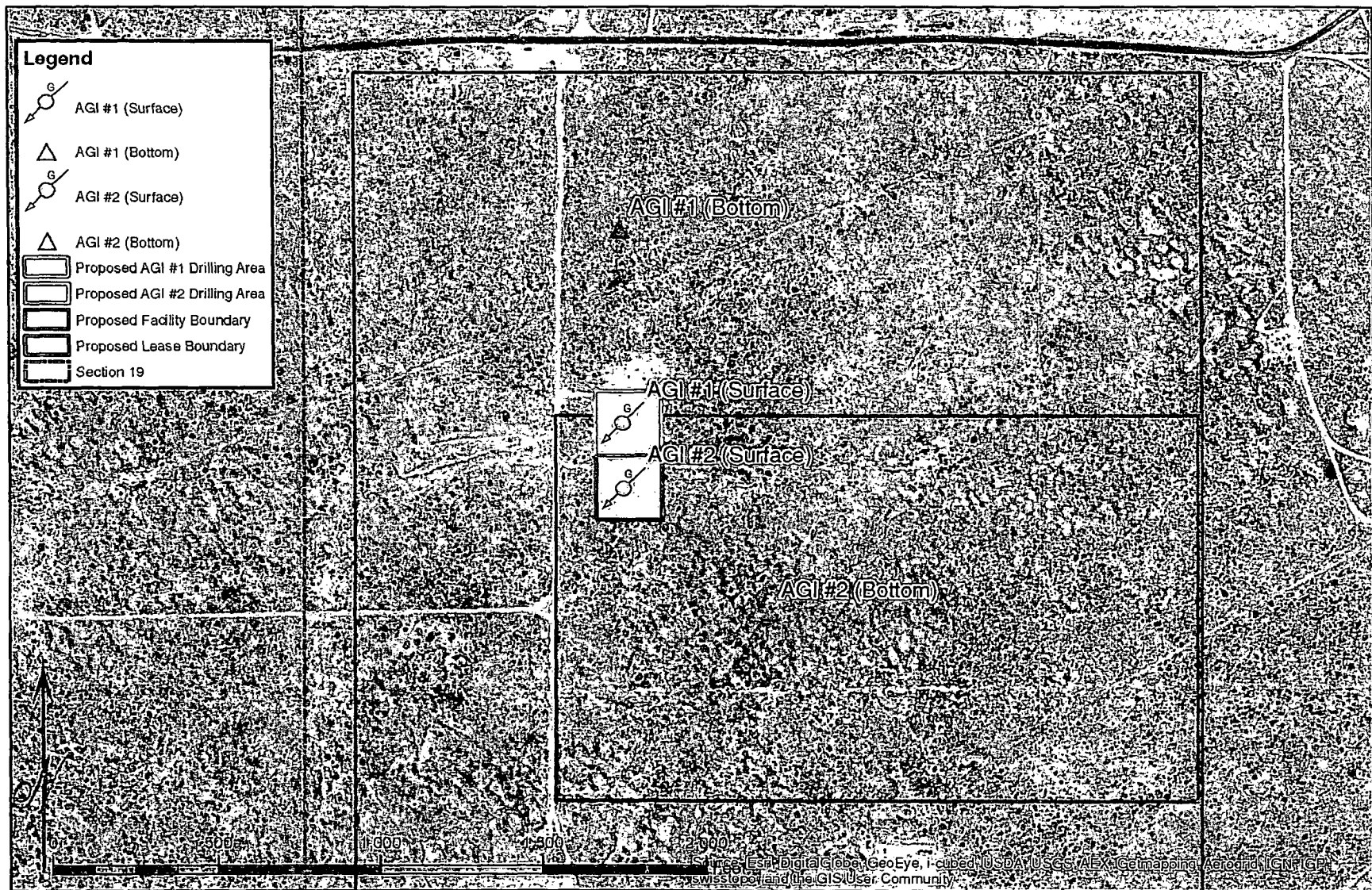


Figure 2: Proposed AGI Well Drilling Areas and Lease and Facility Boundaries

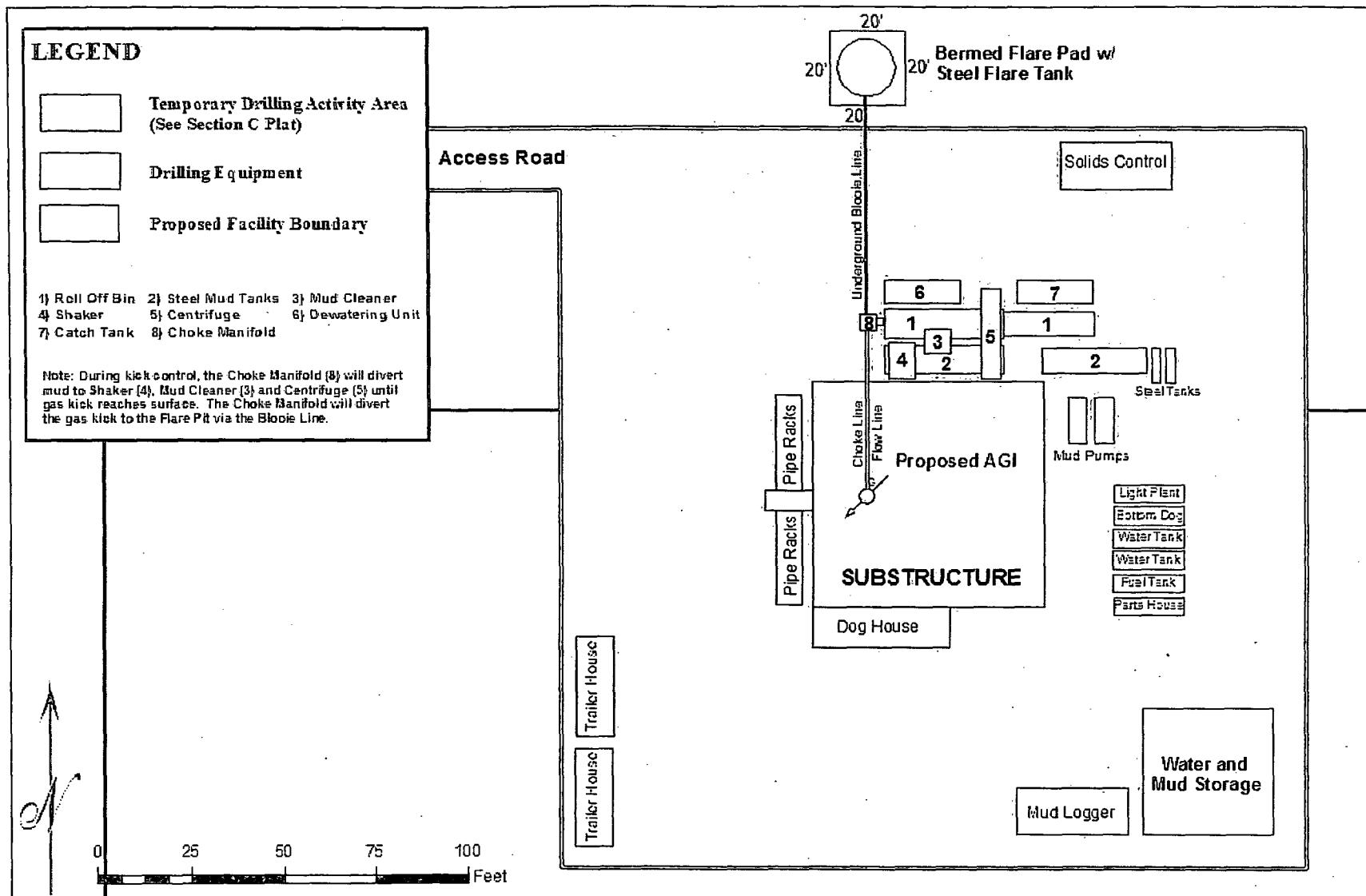


Figure 3: Rig Layout and Schematic with Closed Loop System

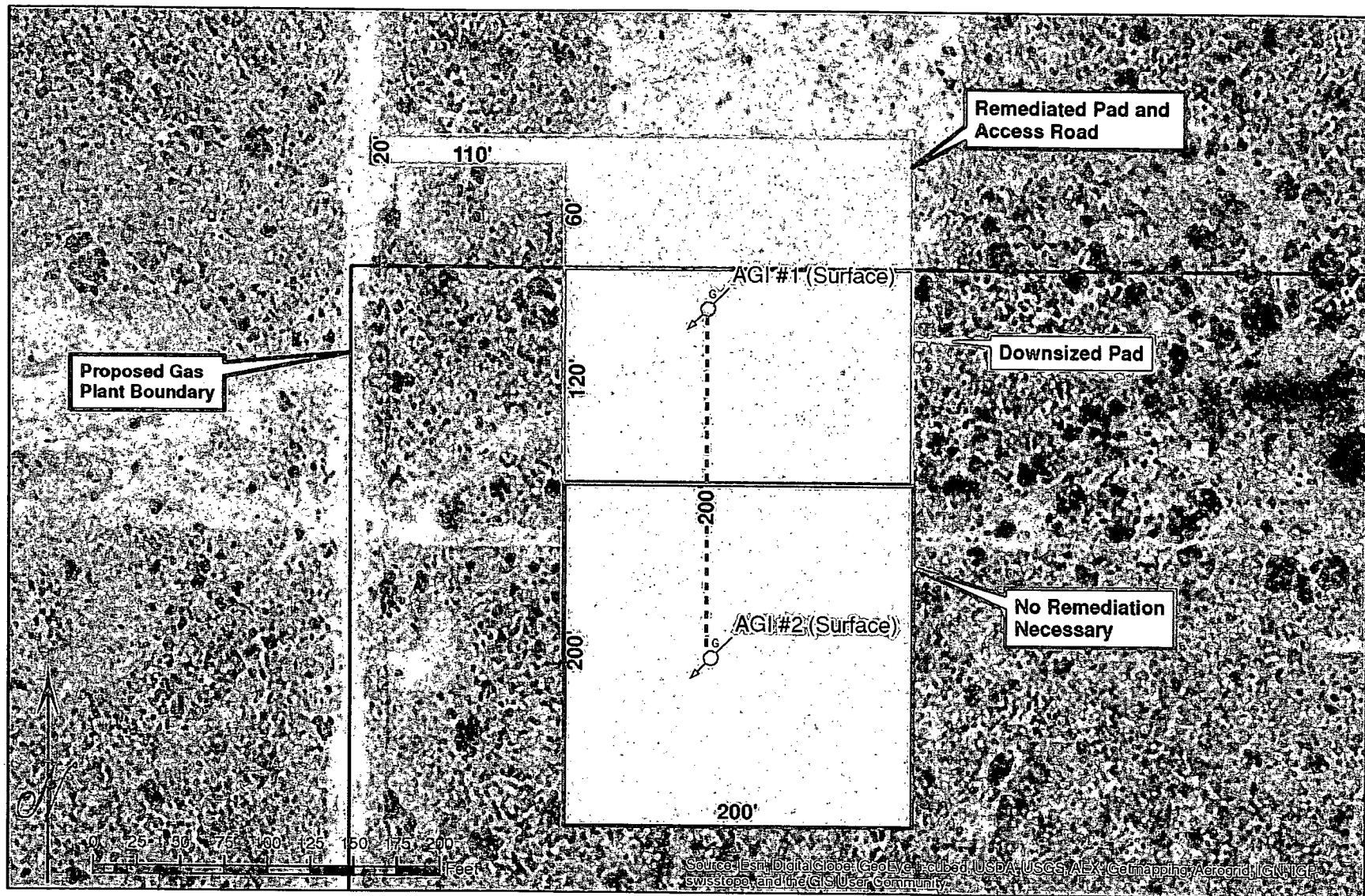


Figure 4: Interim Remediation of Existing and Proposed Parcels

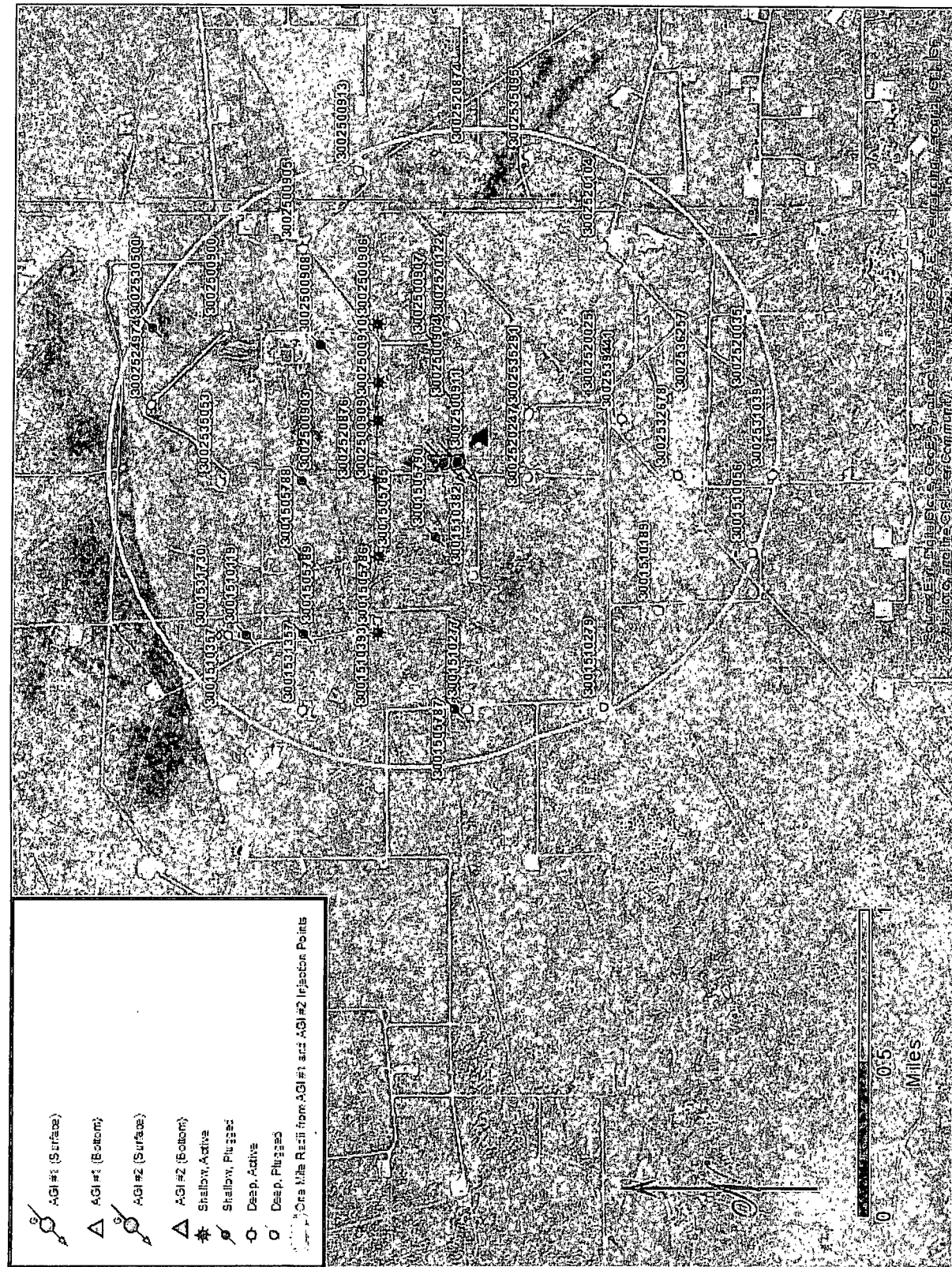


Figure 5: Locations of Wells Within $\frac{1}{2}$ mile of AGL Zones

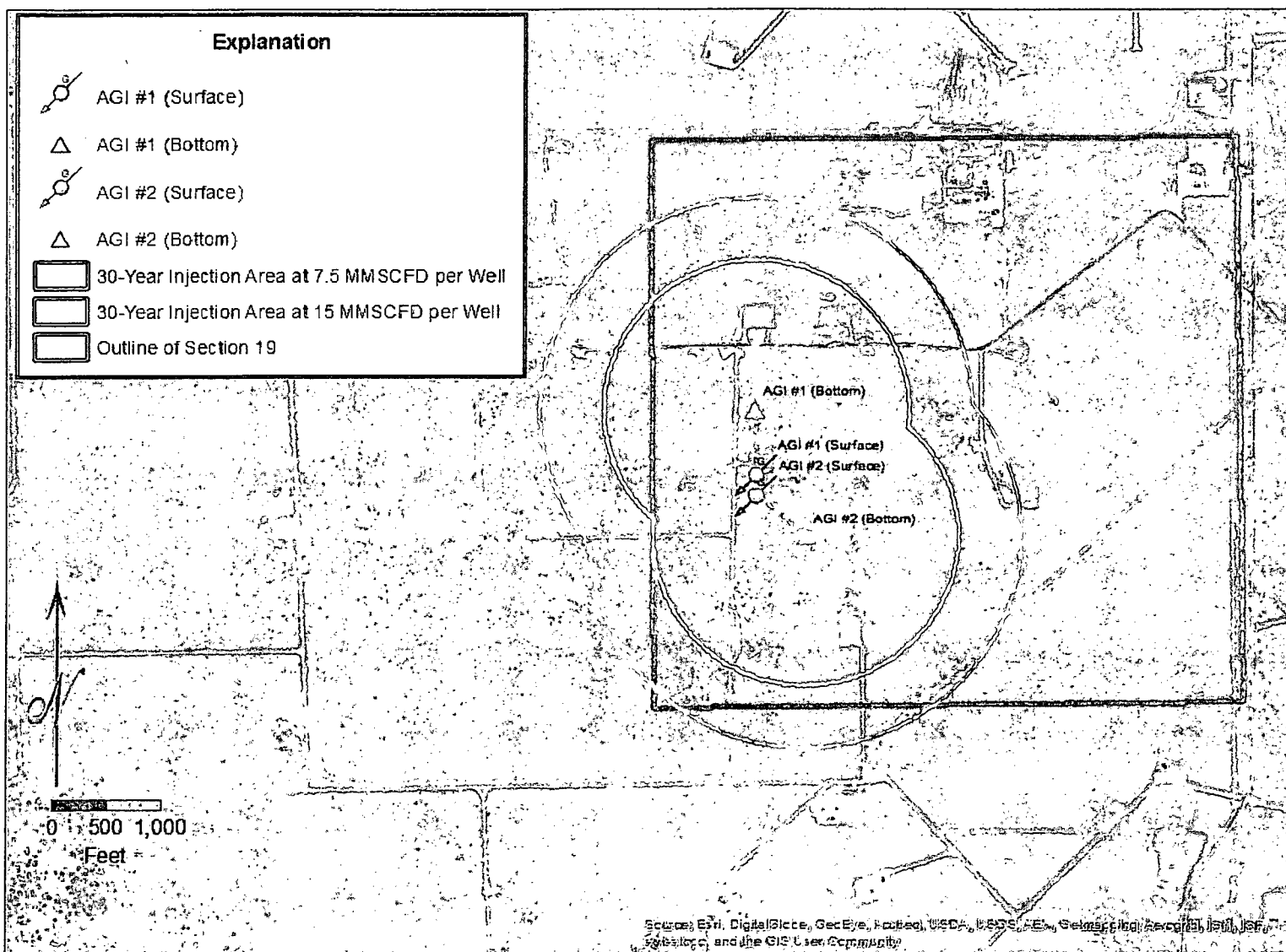


Figure 8: Map Showing ROI After 30 Years of TAG Injection (at max capacity 7.5 MMSCFD and 2X max capacity 15 MMSCFD)