

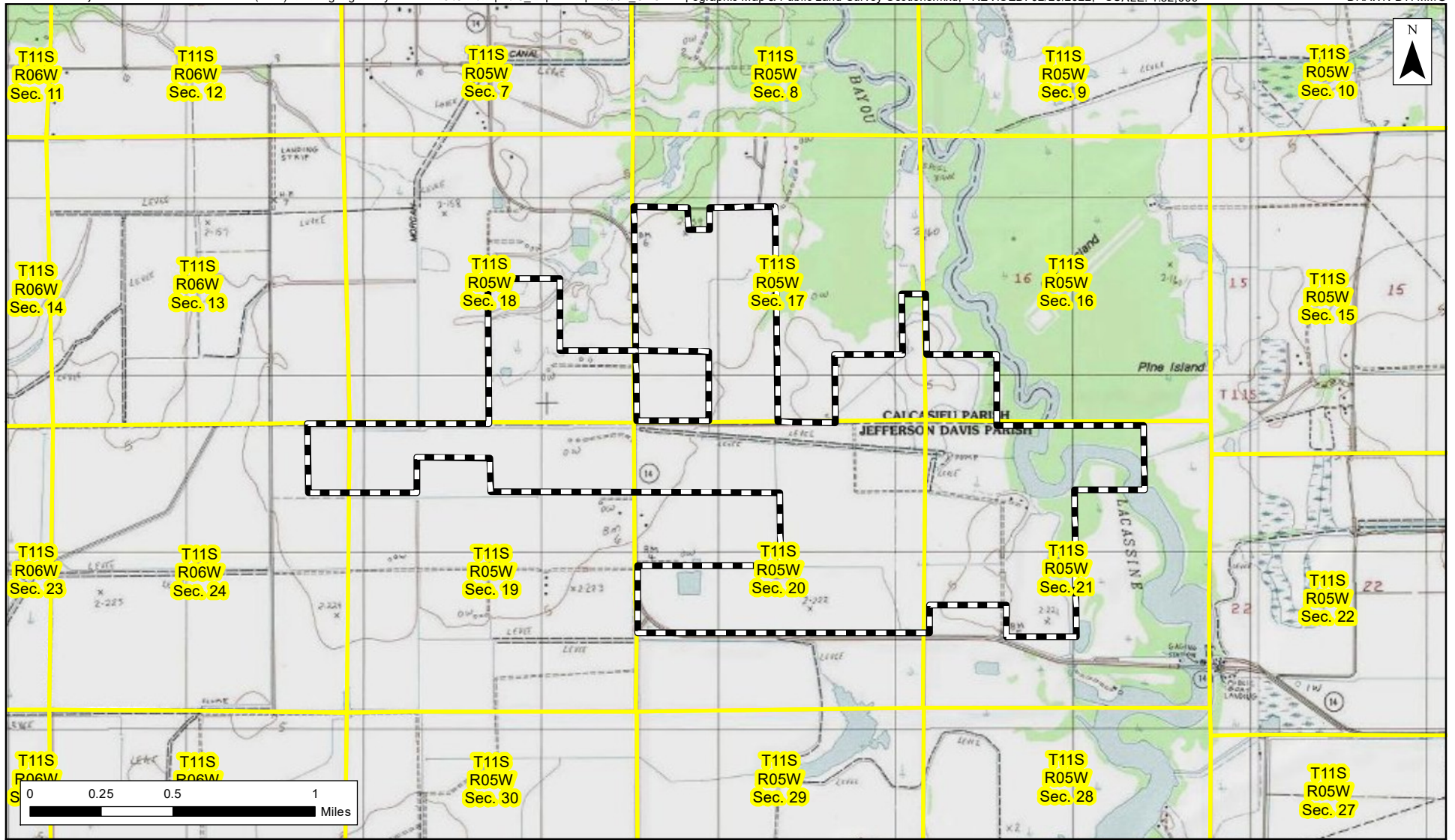




-  Property
-  Parish Boundary

Notes:  
World Street Basemap via ArcGIS Online.

**Figure 1**  
**Site Location**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana

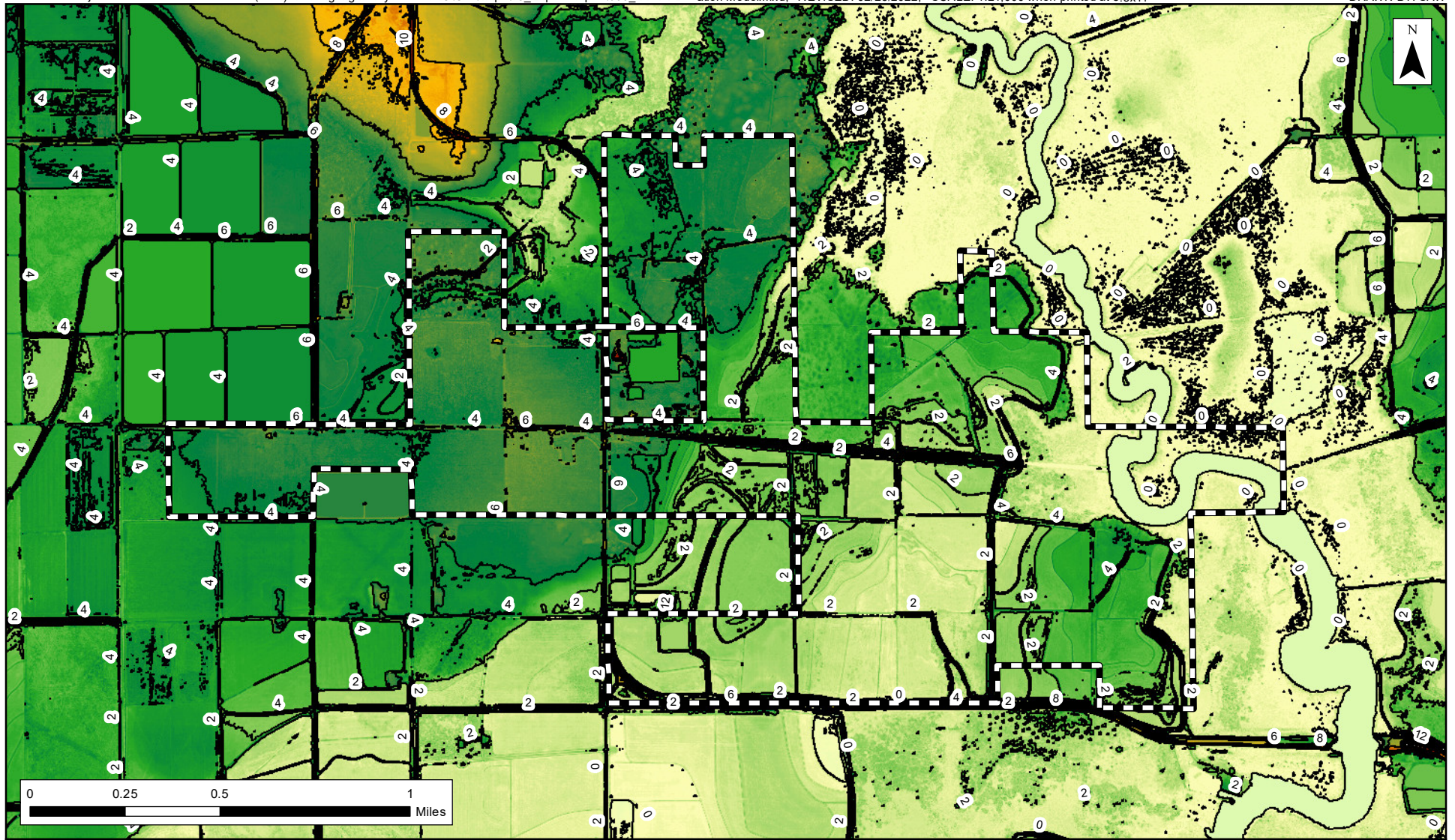







 Property  
 Public Land Survey Sections

Notes:  
 USGS Topographic Map via ArcGIS Online.

**Figure 2**  
**USGS Topographic Map & Public Land Survey Sections**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

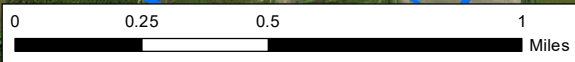
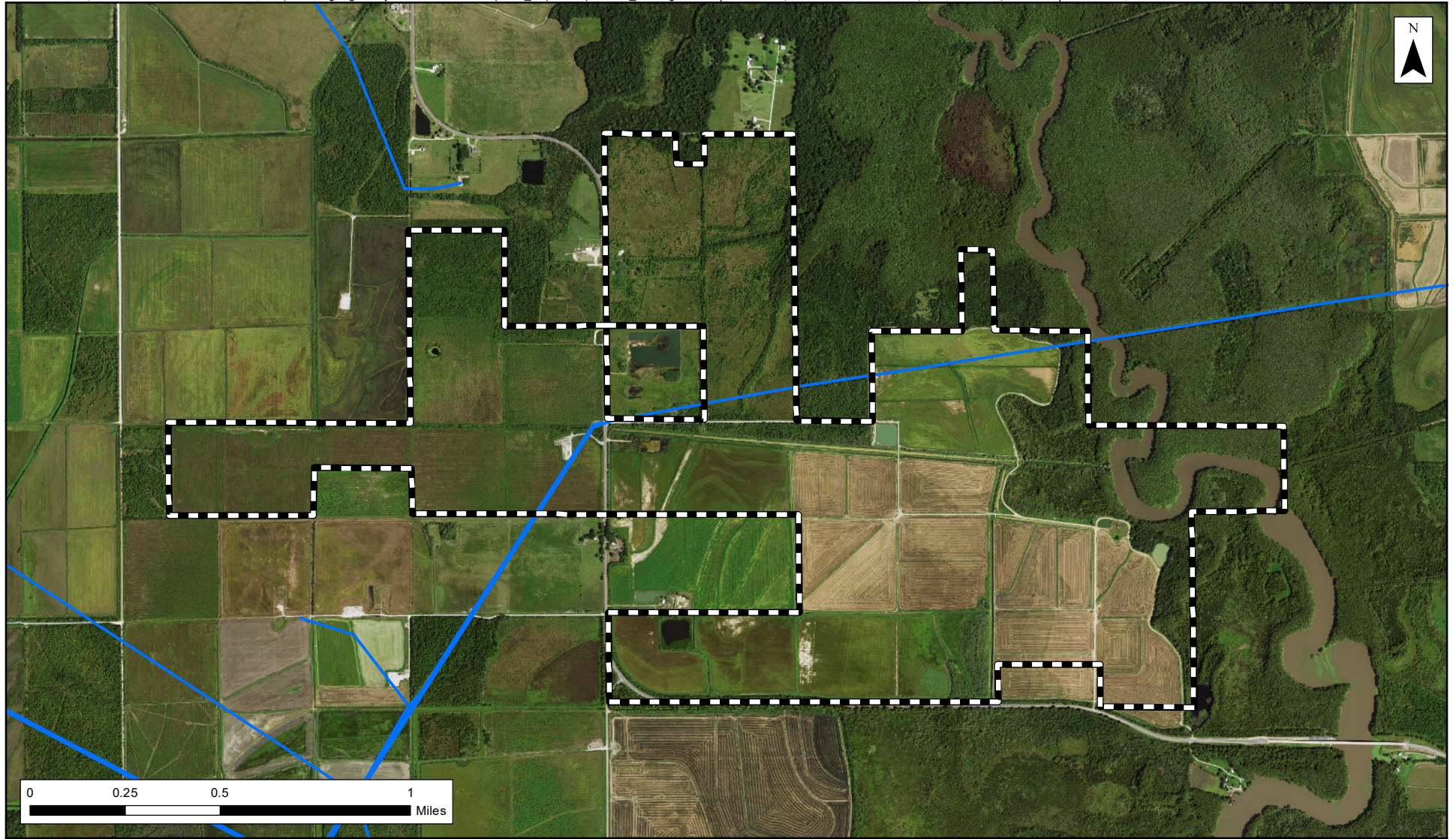




 Property  
 LiDAR Elevation Contour  
 23 Feet  
  
 -6 Feet

Notes:  
 Elevation model based on LiDAR data from USGS  
 (<https://prd-tnm.s3.amazonaws.com/LidarExplorer/index.html#/>).

**Figure 3**  
**LiDAR Elevation Model**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

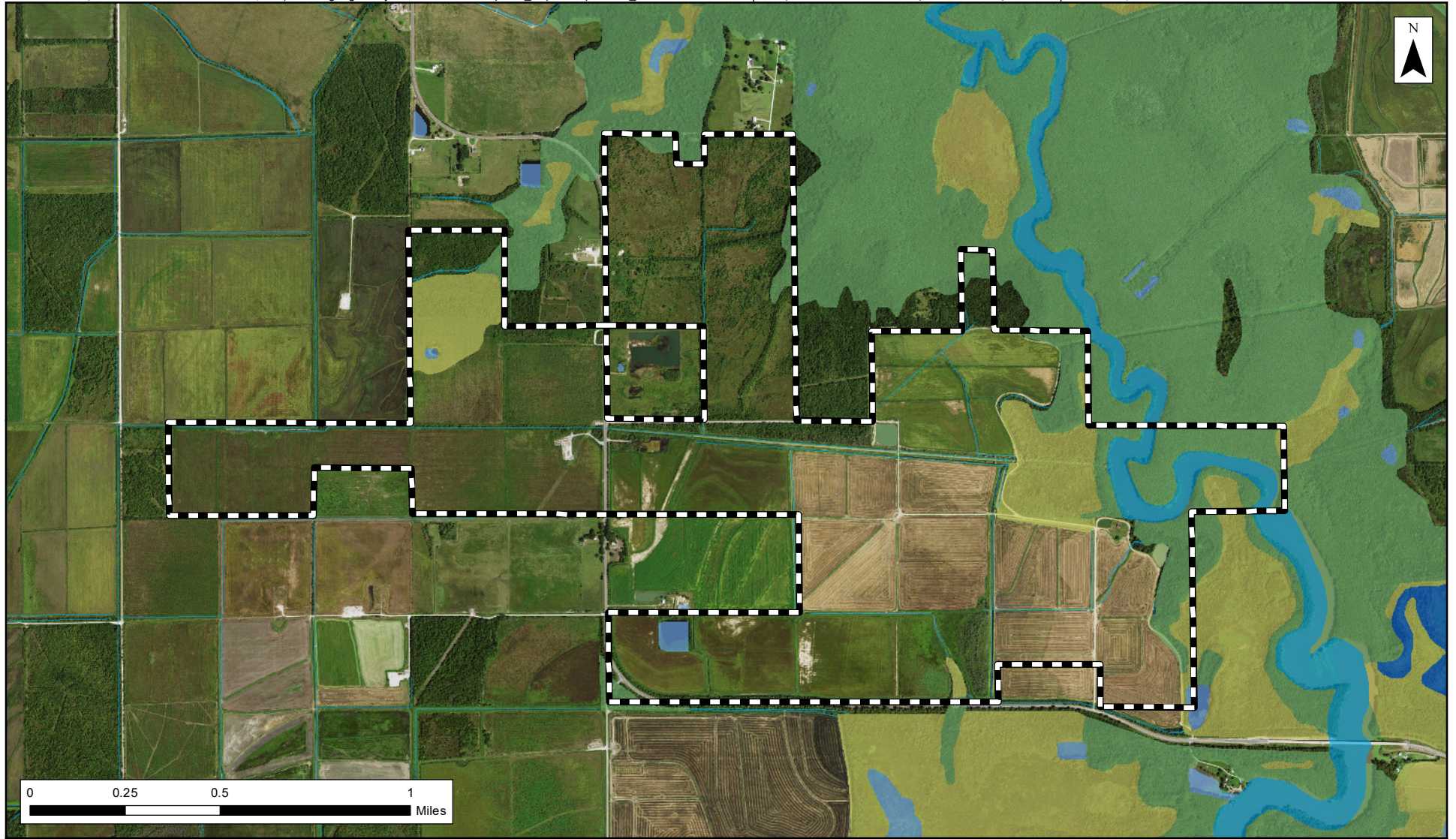










-  Property
-  Natural Gas Pipeline

Notes:  
 1- Pipeline data provided by Rextag.  
 2- 2019 Aerial via Earth Explorer

**Figure 4**  
**Underground Pipelines**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana







-  Property
-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Lake
-  River

Notes:  
 1- Wetland data from US Fish and Wildlife Service (<https://www.fws.gov/wetlands/data/mapper.html>).  
 2- 2019 Aerial via Earth Explorer

**Figure 5**  
**USFWS Wetlands Map**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



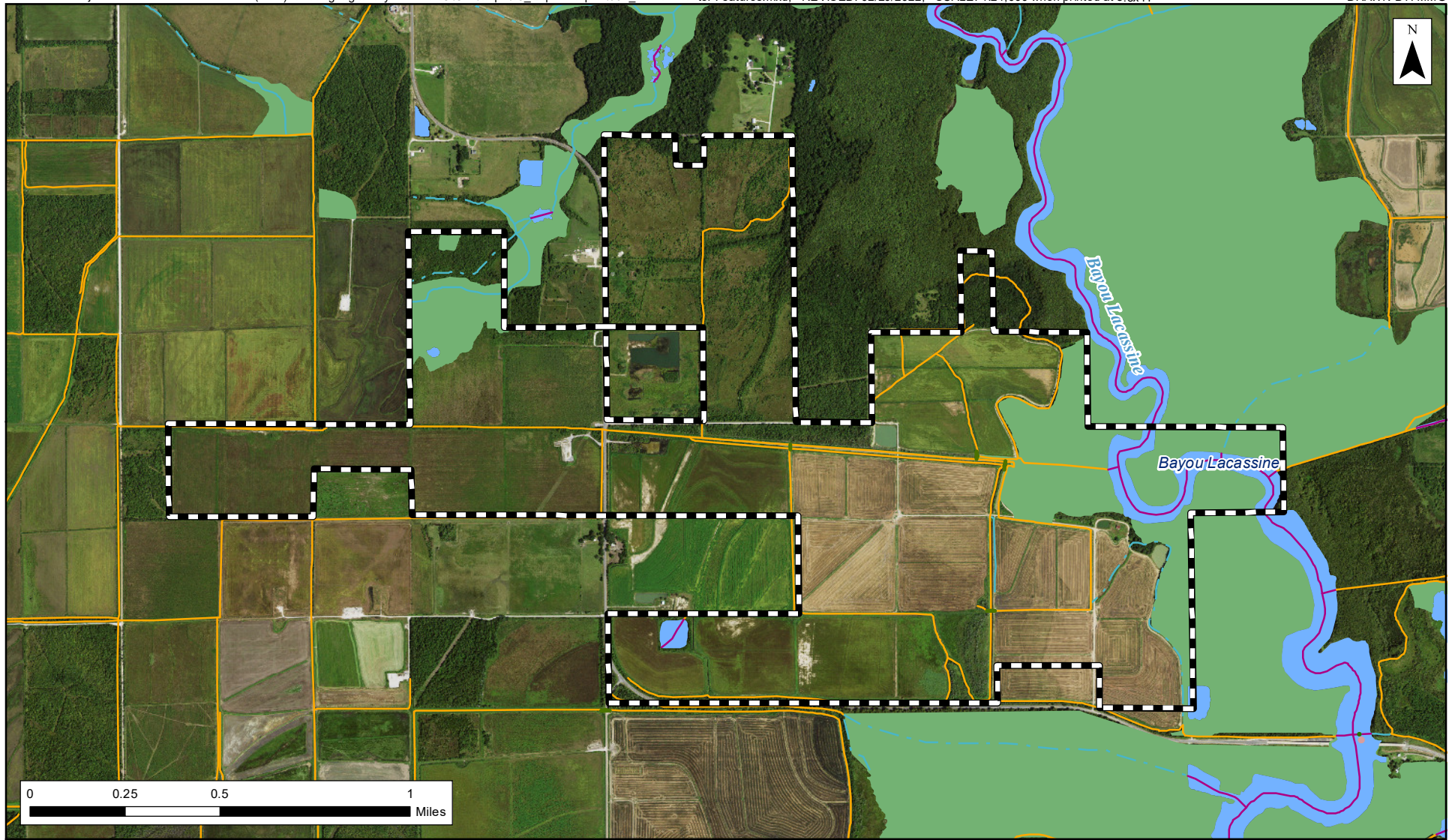


-  Property
-  Base floodplain - 1% annual chance of flooding
-  Coastal areas with 1% or greater chance of flooding
-  Minimal hazard - 0.2% annual chance of flooding

Notes:  
 1- FEMA Flood Zones from FEMA's National Flood Hazard Layer Viewer (<https://www.fema.gov/nationalfloodhazardlayer-nfh>).  
 2- 2019 Aerial via Earth Explorer

**Figure 6**  
**FEMA Flood Zones**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana





- |                             |              |
|-----------------------------|--------------|
| Property                    | Stream/River |
| Gaging Station              | Lake/Pond    |
| Divergence Structure        | Swamp/Marsh  |
| Other                       |              |
| Line                        |              |
| Canal/Ditch                 |              |
| Artificial Path             |              |
| Stream/River - Perennial    |              |
| Stream/River - Intermittent |              |

Notes:  
 1- Hydrography data from the USGS National Map Viewer (<https://viewer.nationalmap.gov/advanced-viewer/>).  
 2- 2019 Aerial via Earth Explorer

**Figure 7**  
**Surface Water Features**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

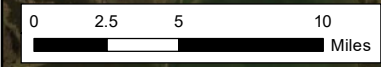





**LDEQ Drainage Basin Subsegment #050601**  
 Lacassine Bayou - From headwaters to Grand Lake

**Designated Uses**  
 A - Primary Contact Recreation  
 B - Secondary Contact Recreation  
 C - Fish and Wildlife Propagation  
 F - Agriculture

**Selected Numerical Criteria**  
 Chloride - 90 mg/L  
 TDS - 400 mg/L



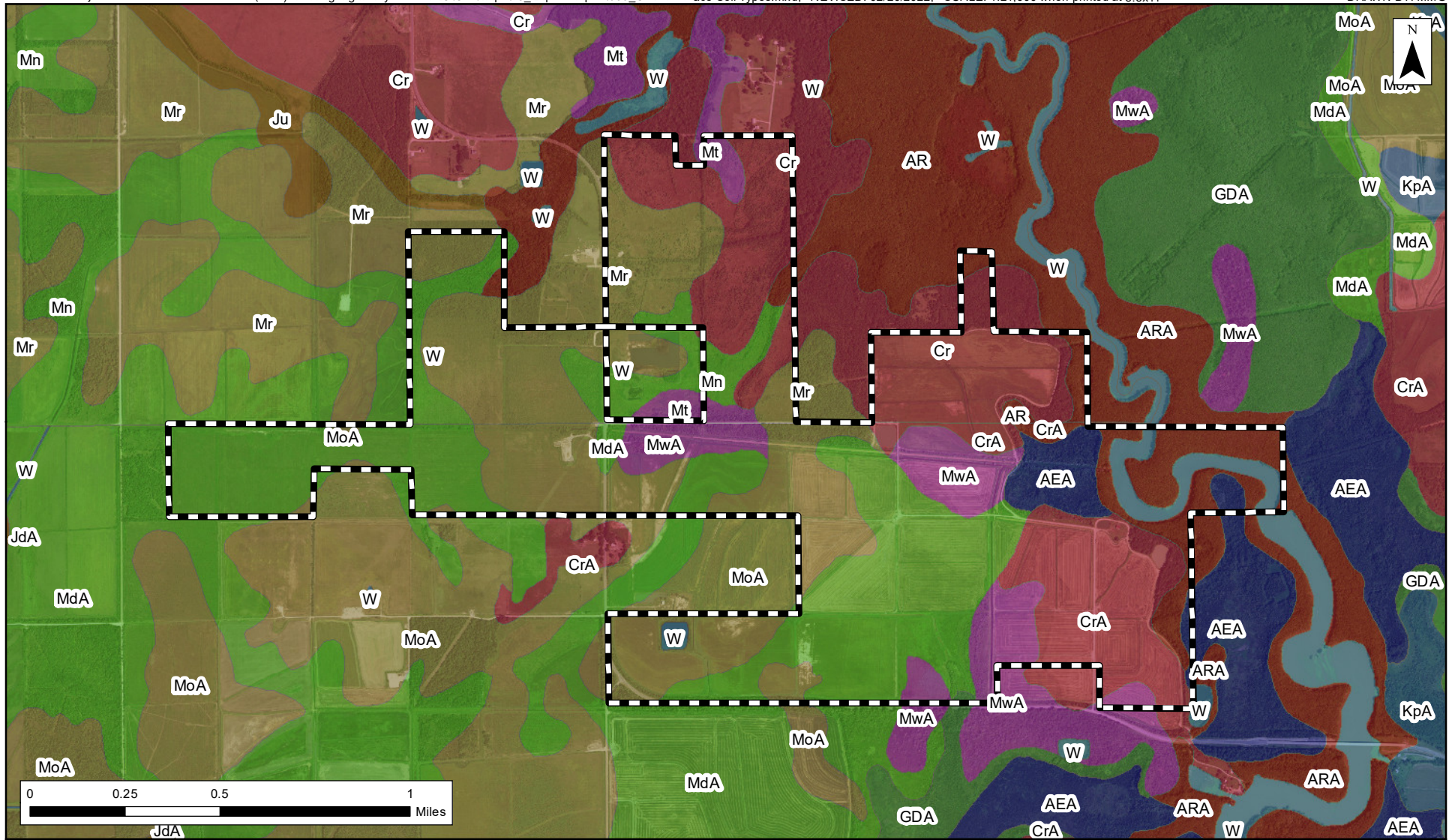
-  Property
-  LDEQ Drainage Basin Subsegment

Notes:  
 1- Subsegment data from LDEQ  
 (<http://www.deq.louisiana.gov/portal>).  
 2- Imagery Basemap via ArcGIS Online.

**Figure 8**  
**LDEQ Drainage Basin Subsegment**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana





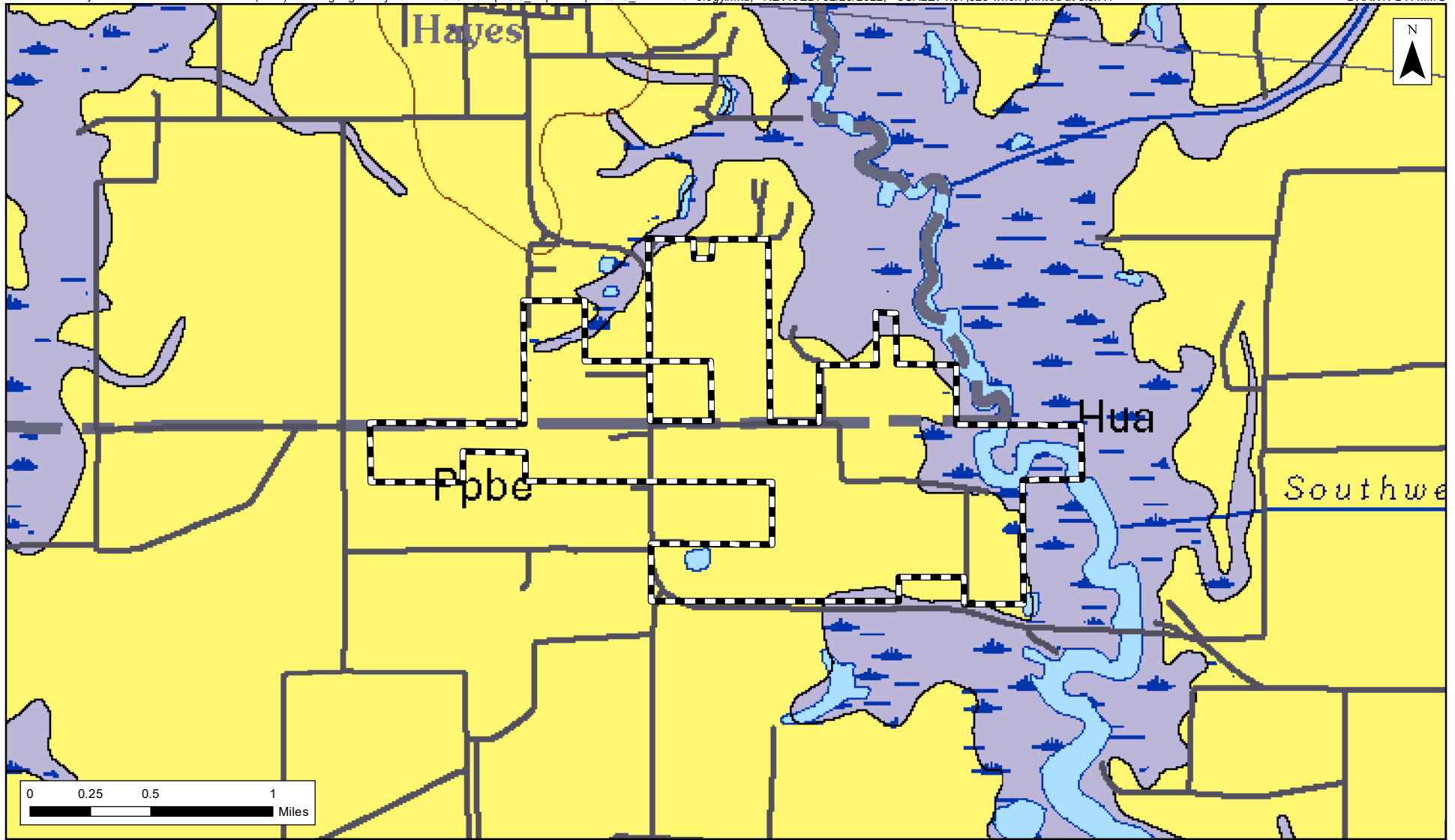


- |  |  |
|--|--|
| Property   | KpA - Kaplan silt loam, 0 to 1 percent slopes                            |
| AEA - Allemands muck, 0 to 0.2 percent slopes, very frequently flooded | MdA, Mn - Midland silty clay loam, 0 to 1 percent slopes, rarely flooded |
| ARA, AR - Arat mucky silt  | MoA, Mr - Edgerly loam, 0 to 1 percent slopes, rarely flooded            |
| CrA, Cr - Crowley-Vidrine complex, 0 to 1 percent slopes               | Mt, MWA - Mowata-Vidrine complex, 0 to 1 percent slopes, rarely flooded  |
| GDA - Ged clay   | W -Water   |
| JdA, Ju - Judice silty clay, 0 to 1 percent slopes, rarely flooded     |  |

Notes:  
 1- Soil data via the USDA Web Soil Survey (<https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>).  
 2- 2019 Aerial via Earth Explorer

**Figure 9**  
**USDA Surface Soil Types**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana





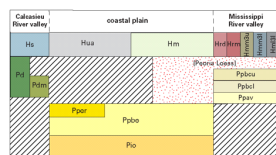
Property

Hua  
 Ppbe

**Undifferentiated alluvium of small upland streams**—alluvial deposits of minor creeks and streams filling valleys cut into older deposits. The modern flood plain within these valleys constitutes the surface of these deposits.

**Beaumont Alloformation**—stratigraphic sequence underlying the oldest and topographically highest of the Prairie surfaces west of the Mississippi alluvial valley. It exhibits the relict channels of the Red River, and includes deposits of the Ingleside barrier trend west of the Crowley quadrangle. It is composed of coastal-plain deposits of late-to-middle Pleistocene streams.

**Correlation of Map Units**

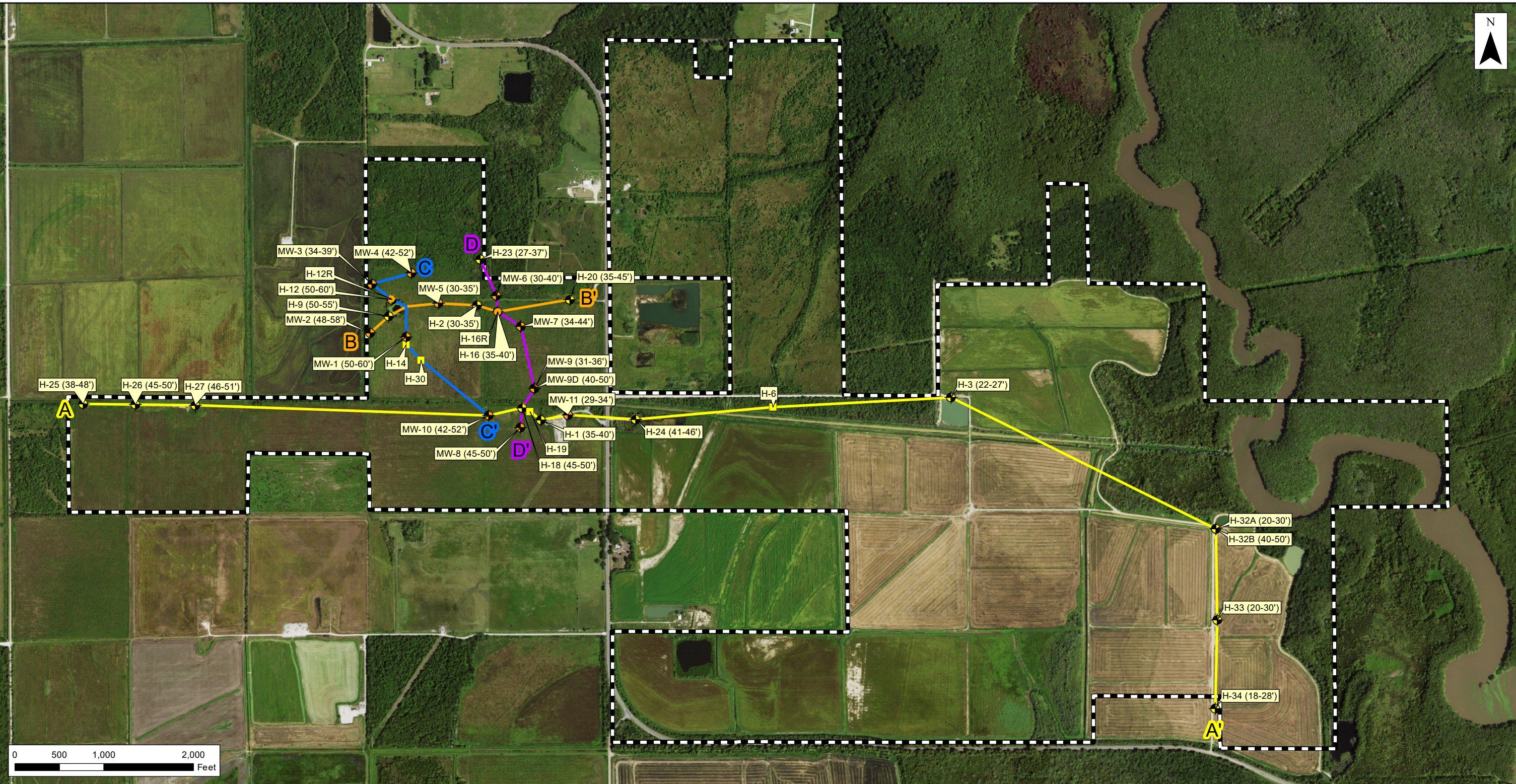


Notes:  
2003, Crowley Geologic Quadrangle  
LSU Louisiana Geologic Survey  
(<https://www.lsu.edu/lgs/maps/100k-Geology.php>)

**Figure 10**  
**Surface Geology**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana



DRAWN BY: SAW  
 Q:\Houston\Projects\0526033 Kean Miller, LLP (CVX) Henning Mgmt\Hayes Field.LC\GIS\Maps\18 Expert Report\011 Cross Section Locations.mxd. REVISED: 02/22/2022. SCALE: 1:13,032 when printed at 11x17



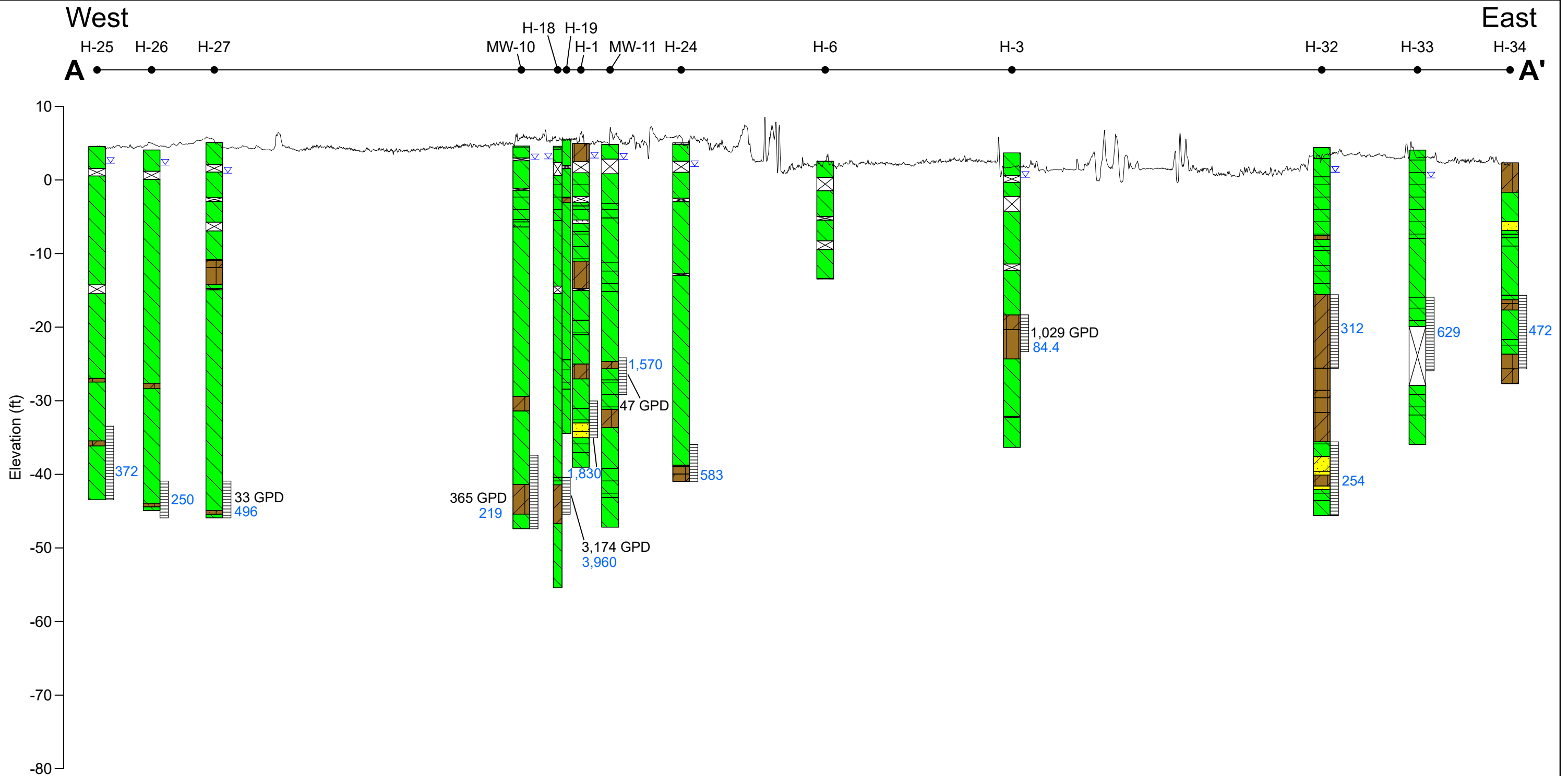
- Property
- Cross Section A-A'
- Cross Section B-B'
- Cross Section C-C'
- Cross Section D-D'
- ERM Soil Sample Location
- ERM Monitoring Well
- ICON Soil Sample Location
- ICON Monitoring Well

Notes:  
 September 5, 2019 aerial photo via USGS Earth Explorer.

**Figure 11**  
**Cross Section Locations**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

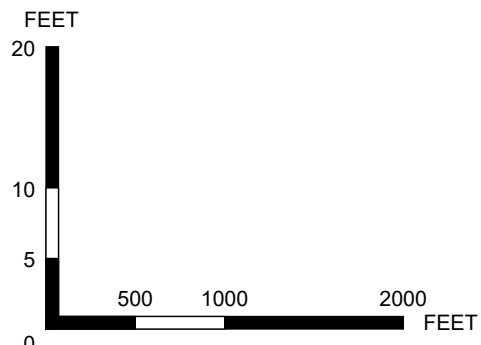
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**Legend**

- |  |             |  |                       |
|--|-------------|--|-----------------------|
|  | CLAY        |  | SAND                  |
|  | SHELLY CLAY |  | CLAYEY SAND           |
|  | SILTY CLAY  |  | SILTY SAND            |
|  | SANDY CLAY  |  | SHELL                 |
|  | SILT        |  | FILL                  |
|  | CLAYEY SILT |  | NO RECOVERY           |
|  | SANDY SILT  |  | WATER LEVEL ELEVATION |



**Notes:**

Boring data from ERM boring logs.  
 Water levels shown are equivalent freshwater heads based on 12/21/21 measurements.  
 Where available, boring surface elevations based on survey conducted by M.P. Mayeux  
 Surveying and Boundary Consulting, L.L.C. Other boring elevations based on LIDAR data.  
 Topographic profile from LIDAR data.  
 Well yields based on ERM slug test analyses are reported as gallons per day (GPD).  
 Blue numbers are chloride concentrations in mg/L.

**Figure 12**  
**Geologic Cross Section A-A'**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

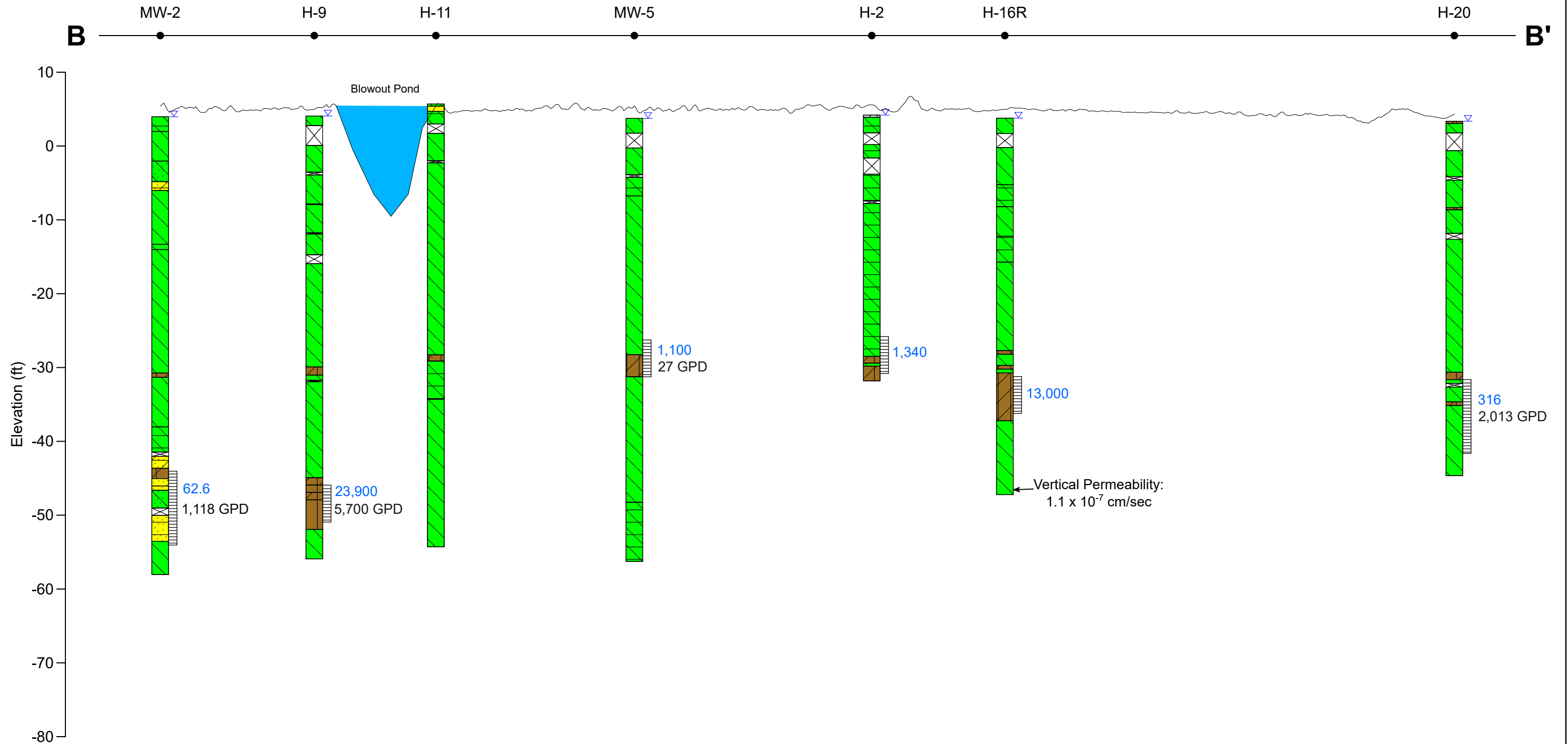
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West

East

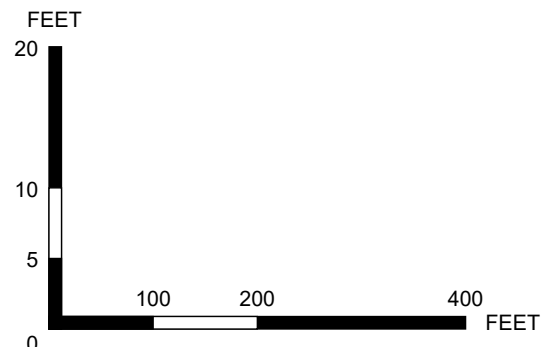
B

B'



**Legend**

- CLAY
- SILTY CLAY
- SANDY CLAY
- SILT
- CLAYEY SILT
- SAND
- SILTY SAND
- CLAYEY SILTY SAND
- SILTY CLAYEY SAND
- FILL
- NO RECOVERY
- WATER LEVEL ELEVATION



Notes:  
 Boring data from ERM boring logs.  
 Water levels shown are equivalent freshwater heads based on 12/21/21 measurements. Where available, boring surface elevations and blowout pond water surface elevation based on survey conducted by M.P. Mayeux Surveying and Boundary Consulting, L.L.C. Other boring elevations based on LIDAR data.  
 Blowout pond depth based on ERM's 12/16/21 measurements.  
 Topographic profile from LIDAR data.  
 Well yields based on ERM slug test analyses are reported as gallons per day (GPD).  
 Blue numbers are chloride concentrations in mg/L.

**Figure 13**  
**Geologic Cross Section B-B'**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

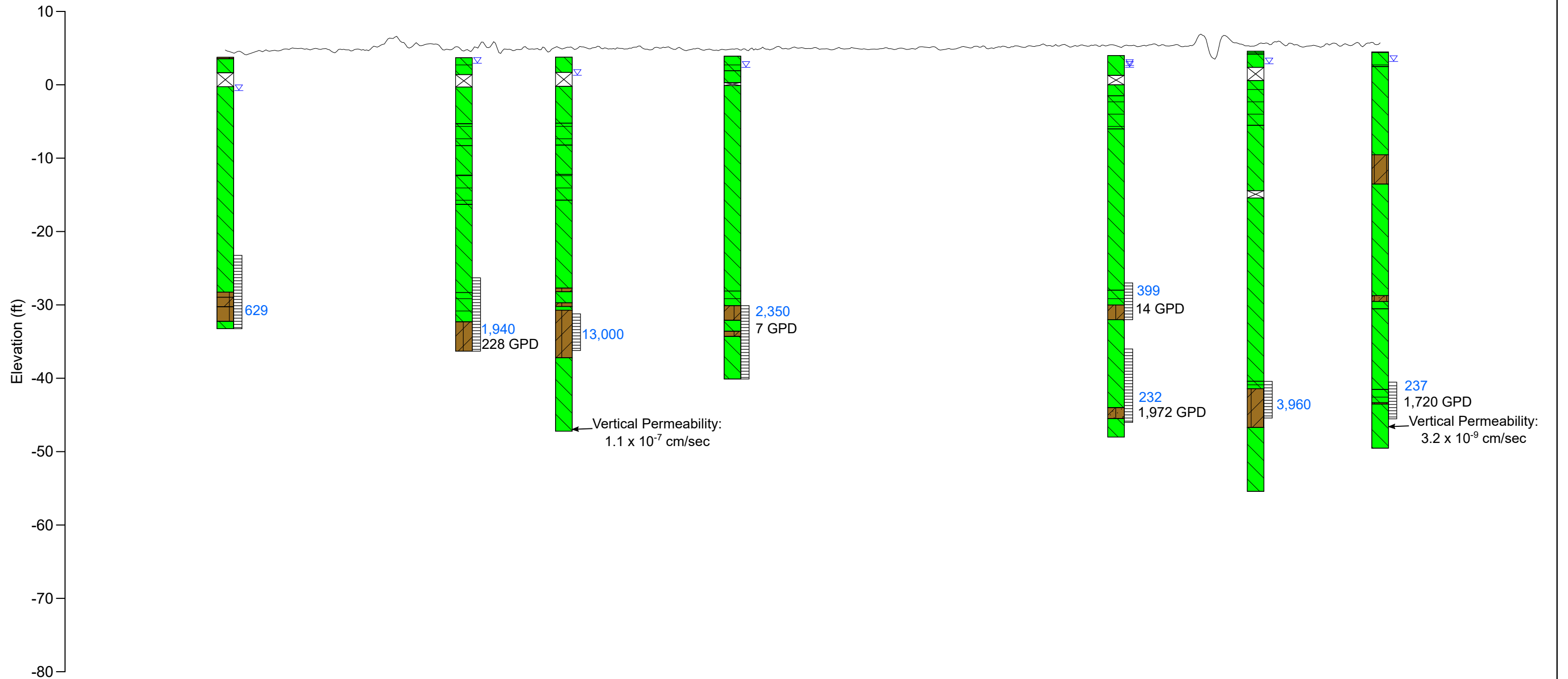


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North

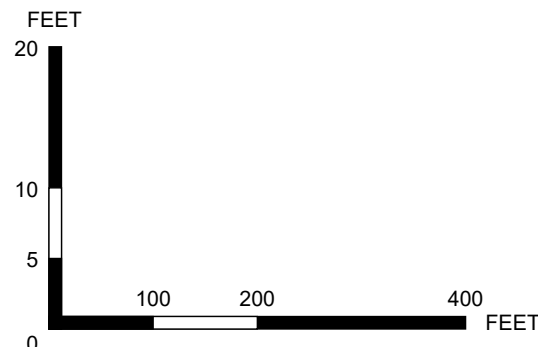
South

D H-23 MW-6 H-16R MW-7 MW-9 H-18 MW-8 D'



**Legend**

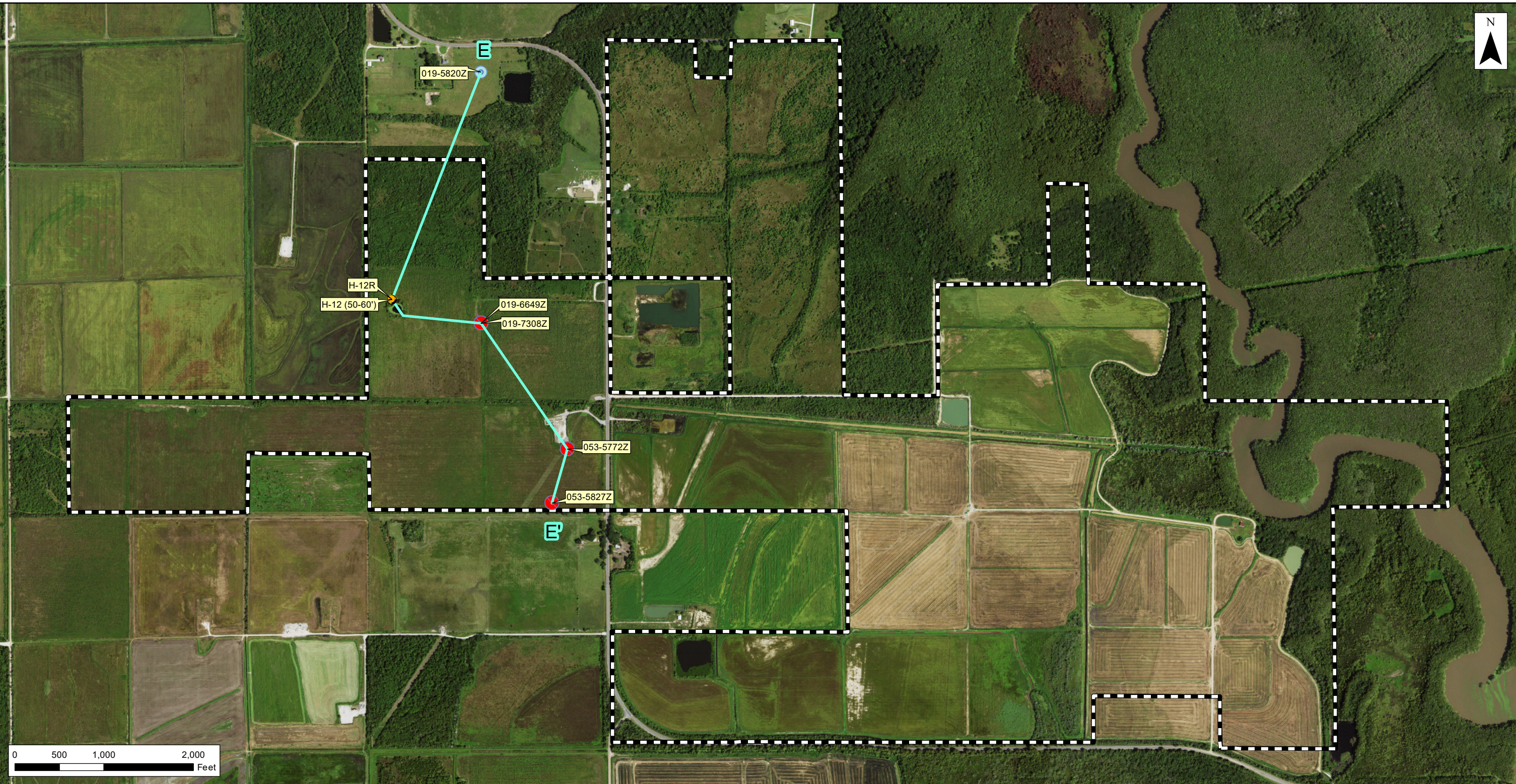
- CLAY
- SILTY CLAY
- SILT
- CLAYEY SILT
- CLAYEY SANDY SILT
- SANDY CLAYEY SILT
- NO RECOVERY
- WATER LEVEL ELEVATION



**Notes:**

Boring data from ERM boring logs.  
 Water levels shown are equivalent freshwater heads based on 12/21/21 measurements.  
 Where available, boring surface elevations based on survey conducted by M.P. Mayeux Surveying and Boundary Consulting, L.L.C. Other boring elevations based on LIDAR data.  
 Topographic profile from LIDAR data.  
 Well yields based on ERM slug test analyses are reported as gallons per day (GPD).  
 Blue numbers are chloride concentrations in mg/L.

**Figure 15**  
**Geologic Cross Section D-D'**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



- Property
- Cross Section E-E'
- ERM Soil Sample Location
- ICON Monitoring Well
- Domestic
- Rig Supply

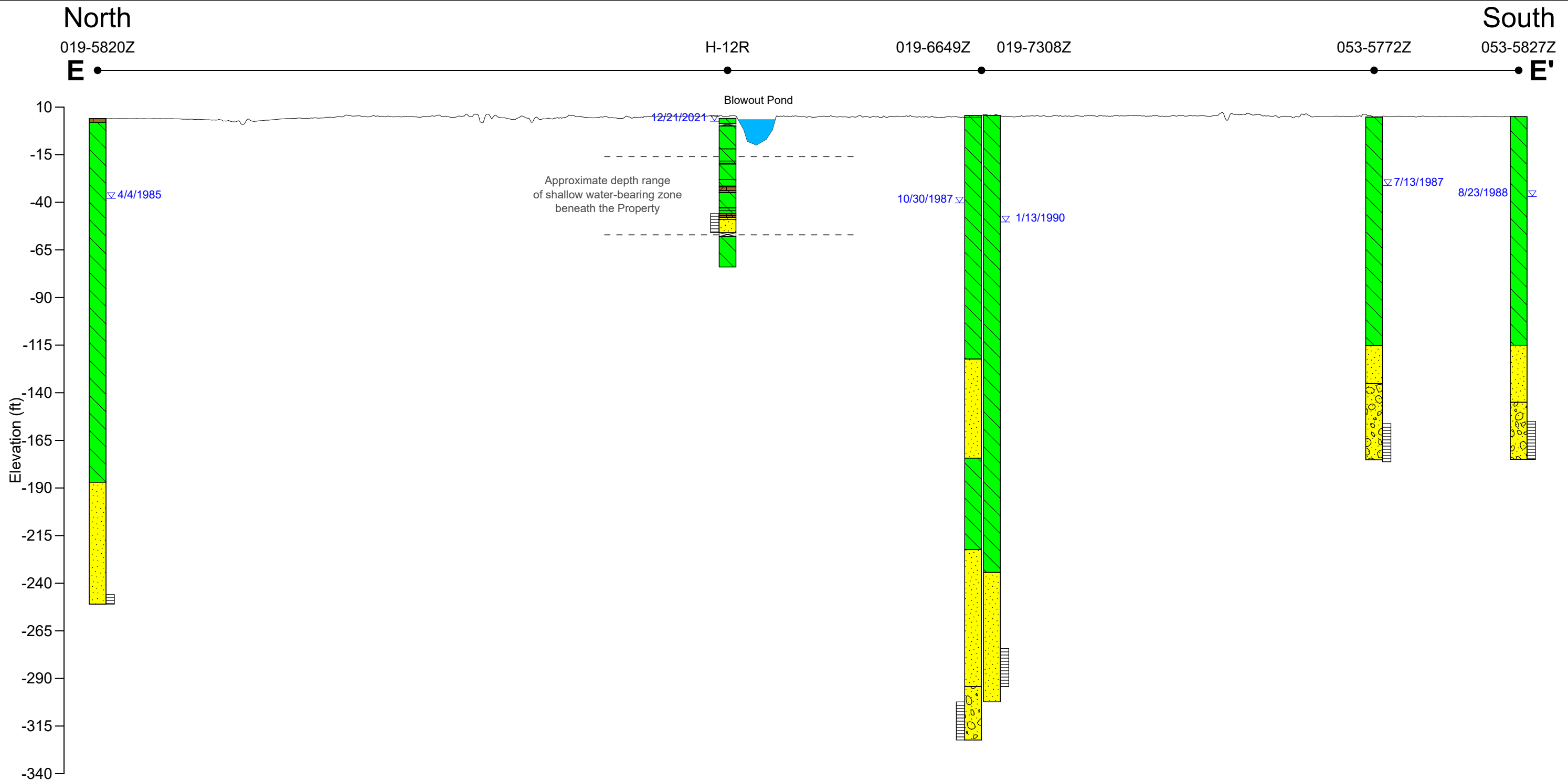
**Figure 16**  
**Water Well Drillers Logs Cross Section Location**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

Notes:  
 September 5, 2019 aerial photo via USGS Earth Explorer.



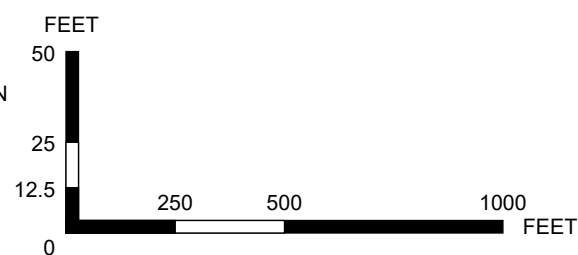
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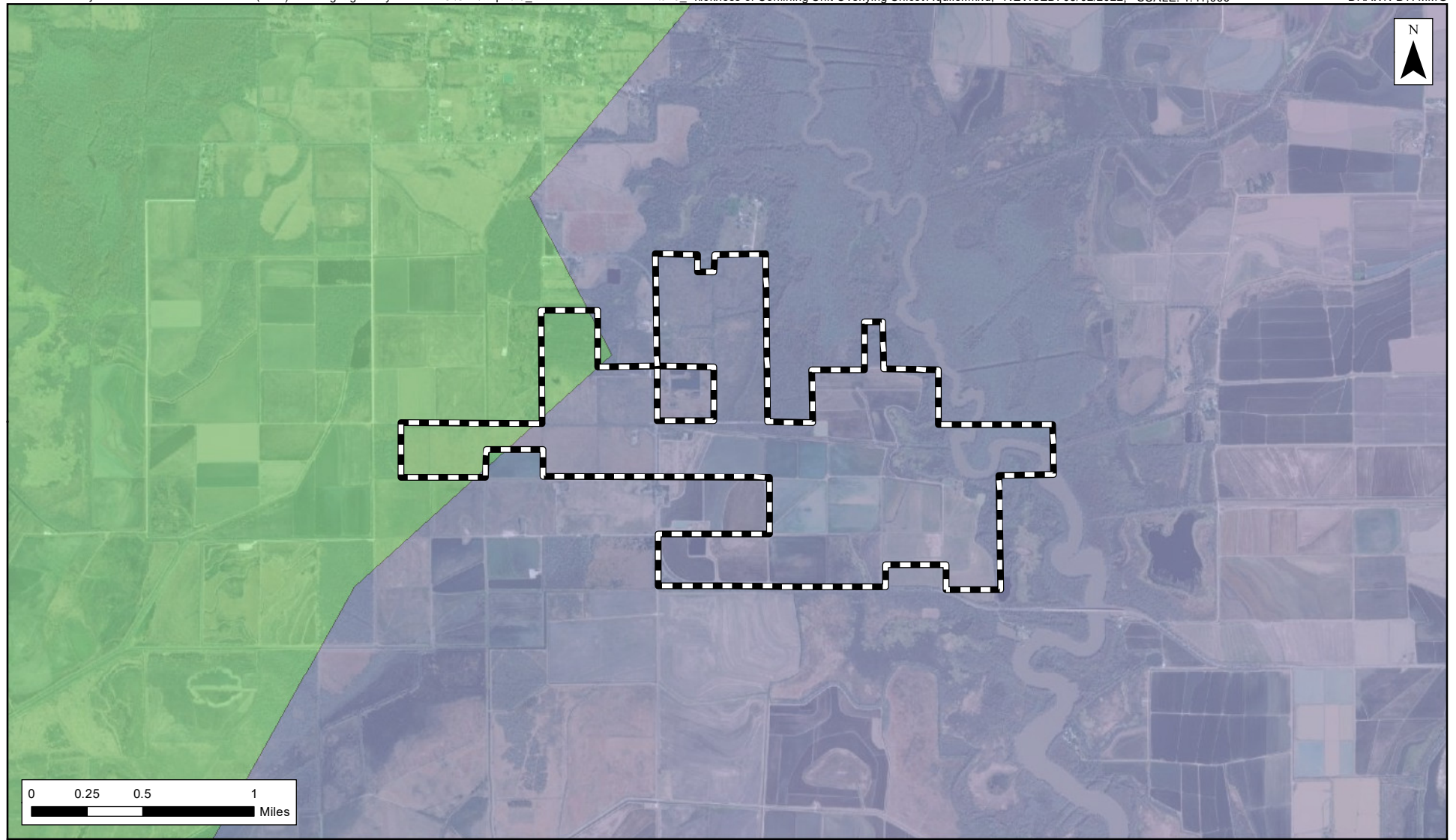
**Legend**

- CLAY
- SILTY CLAY
- SILT
- CLAYEY SILT
- SANDY SILT
- SAND
- CLAYEY SILTY SAND
- GRAVELLY SAND
- NO RECOVERY
- WATER LEVEL ELEVATION



Notes:  
 H-12R data from ERM boring log and water level measurement; data for remaining borings from LDNR water well drillers logs and well registration forms.  
 Blowout pond depth based on ERM's 12/16/21 measurements.  
 Blowout pond water surface elevation (3.61') surveyed by M.P. Mayeux Surveying and Boundary Consulting, L.L.C. on December 16, 2021.  
 Topographic profile and water well surface elevations from LIDAR data.

**Figure 17**  
**Water Well Drillers Logs Cross Section E-E'**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

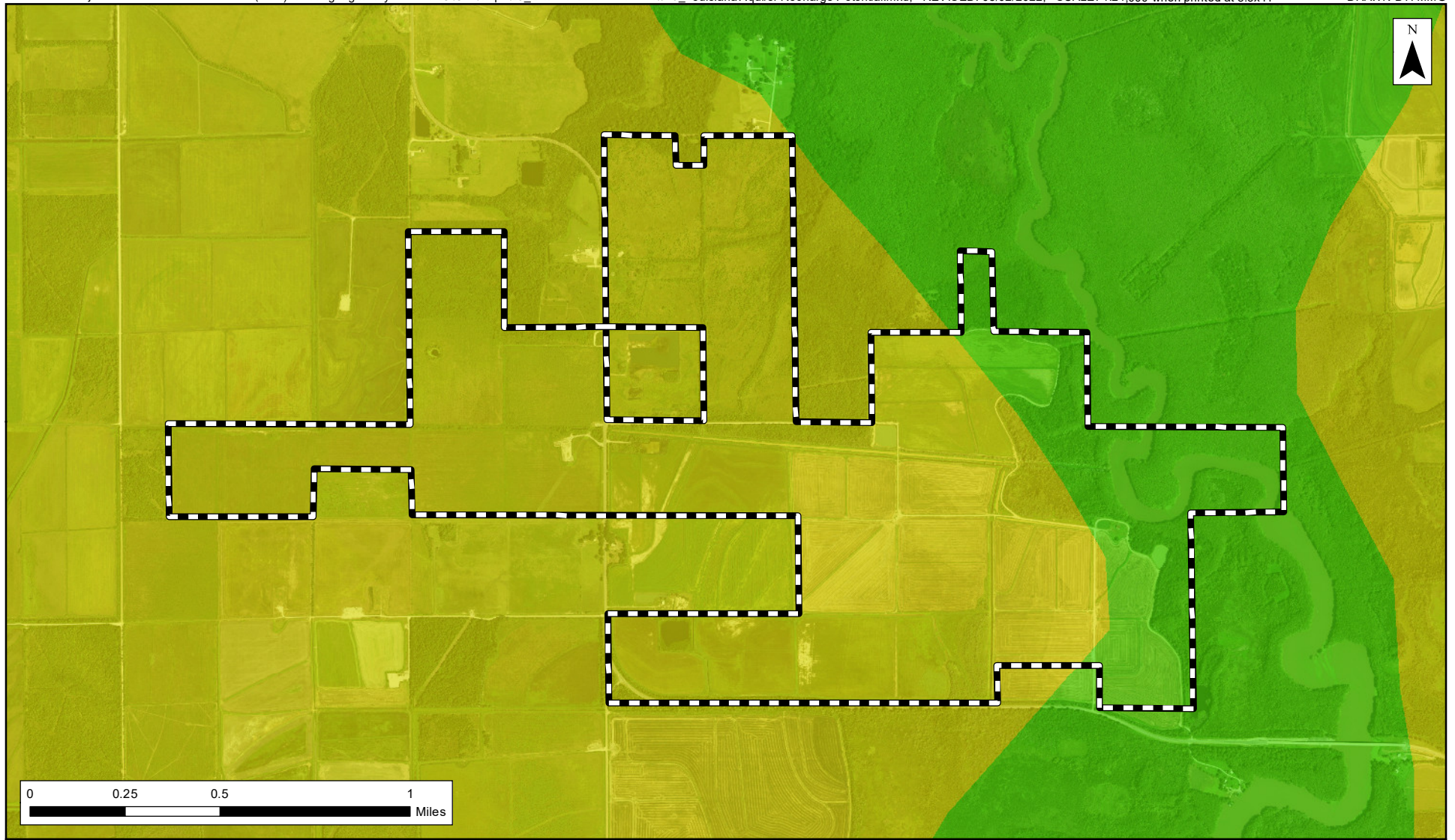





- Property
- 120-160'
- 160-200'

Notes:  
1- Source: "Thickness Of The Chicot Aquifer System Surficial Confining Unit And Location Of Shallow Sands, Southwestern Louisiana", Sargent, 2004, LDOTD Water Resources Technical Report No. 73.  
2- Imagery Basemap via ArcGIS Online.

**Figure 18**  
**Thickness of Confining Unit Overlying Chicot Aquifer**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana





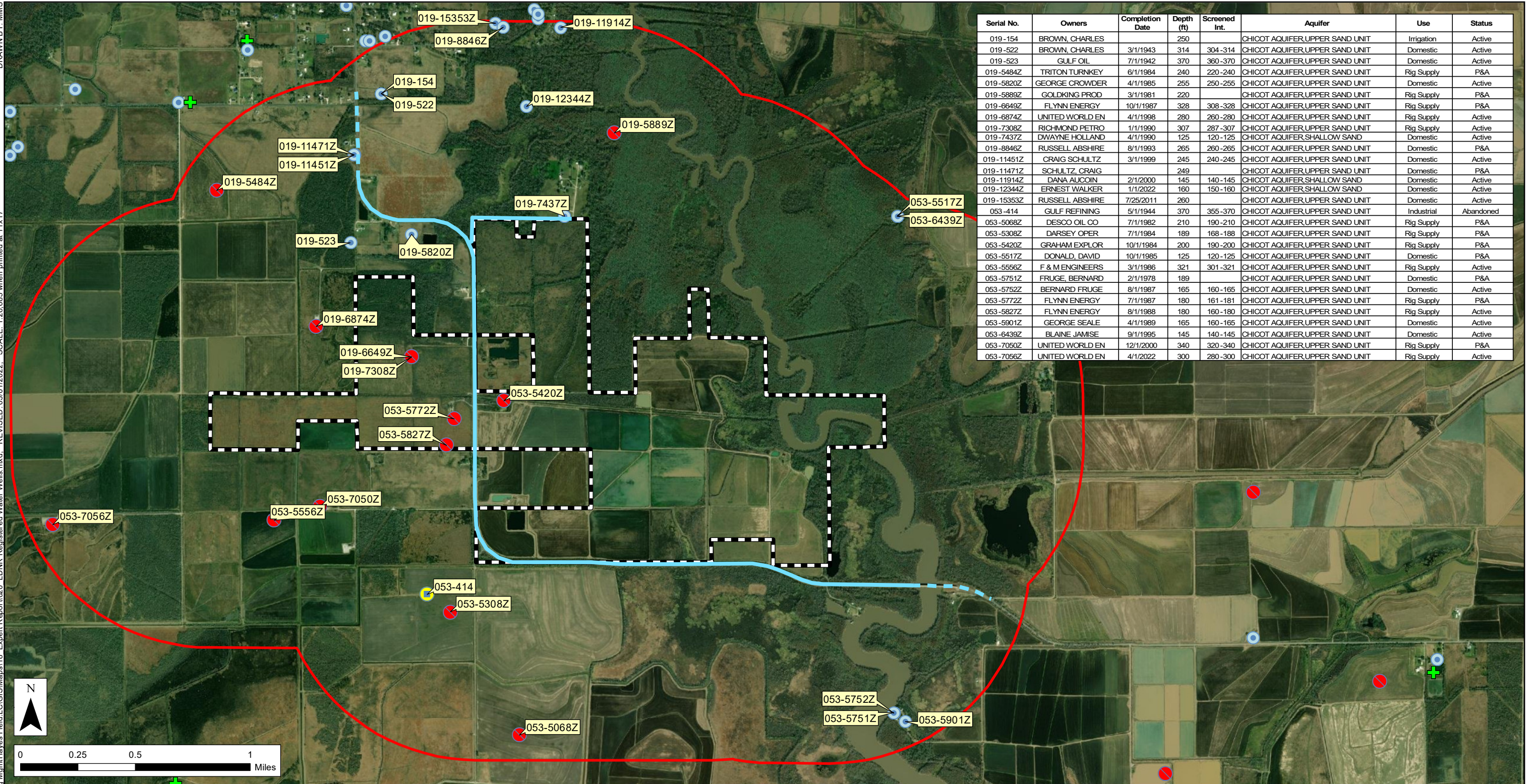
-  Property
-  No Recharge Potential
-  Low Recharge Potential

Notes:  
1- Source: Recharge Potential of Louisiana Aquifers, Louisiana Geological Survey, 1989.  
2- 2019 Aerial via Earth Explorer

**Figure 19**  
**Louisiana Aquifer Recharge Potential**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana



DRAWN BY: MMS  
 P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\18 Expert Report\020 LDNR Registered Water Wells.mxd. REVISED: 03/01/2022. SCALE: 1:26,685 when printed at 11x17



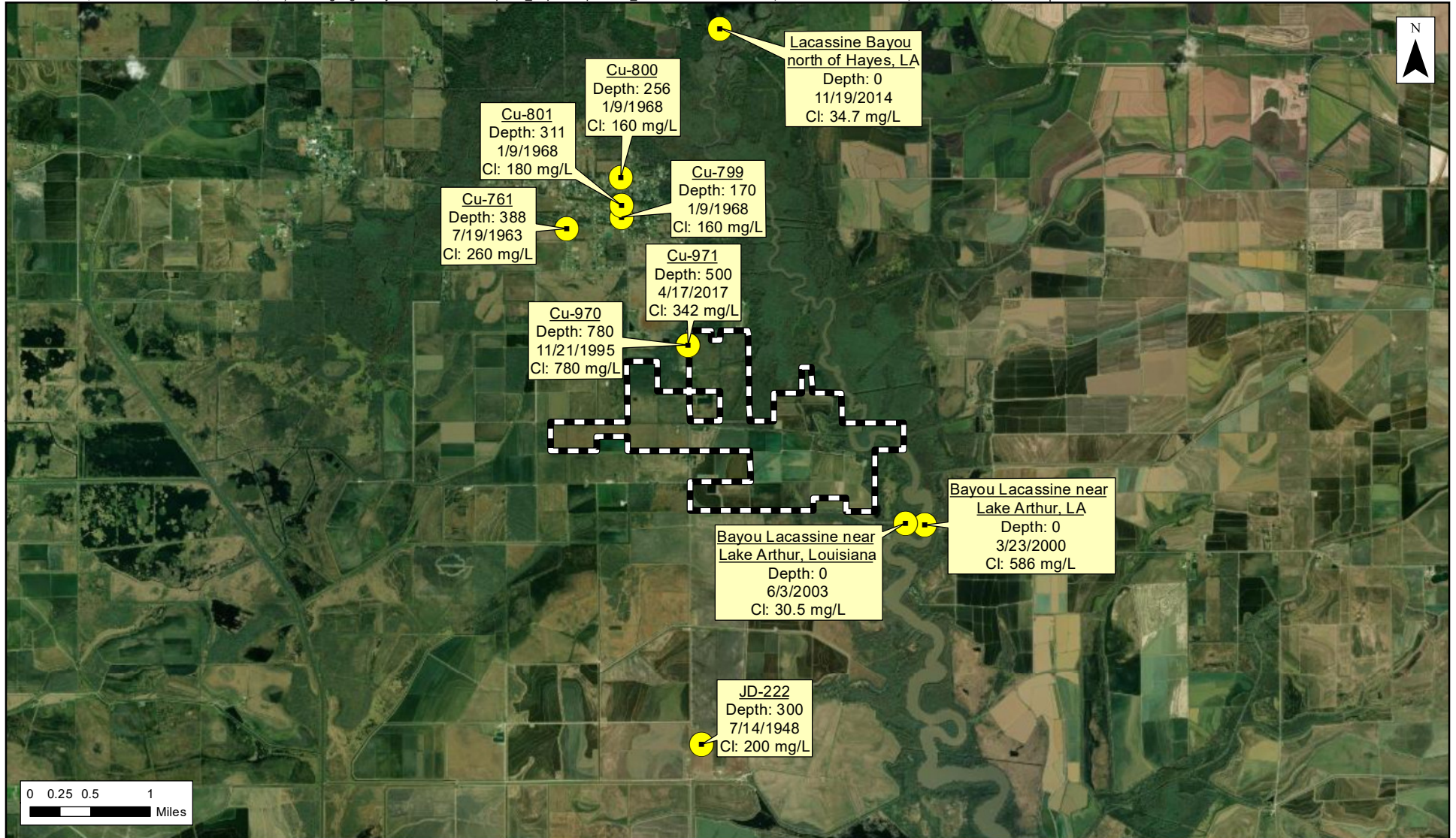
Serial No.	Owners	Completion Date	Depth (ft)	Screened Int.	Aquifer	Use	Status
019-154	BROWN, CHARLES		250		CHICOT AQUIFER, UPPER SAND UNIT	Irrigation	Active
019-522	BROWN, CHARLES	3/1/1943	314	304-314	CHICOT AQUIFER, UPPER SAND UNIT	Domestic	Active
019-523	GULF OIL	7/1/1942	370	360-370	CHICOT AQUIFER, UPPER SAND UNIT	Domestic	Active
019-5484Z	TRITON TURNKEY	6/1/1984	240	220-240	CHICOT AQUIFER, UPPER SAND UNIT	Rig Supply	P&A
019-5820Z	GEORGE CROWDER	4/1/1985	255	250-255	CHICOT AQUIFER, UPPER SAND UNIT	Domestic	Active
019-5889Z	GOLDKING PROD	3/1/1981	220		CHICOT AQUIFER, UPPER SAND UNIT	Rig Supply	P&A
019-6649Z	FLYNN ENERGY	10/1/1987	328	308-328	CHICOT AQUIFER, UPPER SAND UNIT	Rig Supply	P&A
019-6874Z	UNITED WORLD EN	4/1/1998	280	260-280	CHICOT AQUIFER, UPPER SAND UNIT	Rig Supply	Active
019-7308Z	RICHMOND PETRO	1/1/1990	307	287-307	CHICOT AQUIFER, UPPER SAND UNIT	Rig Supply	Active
019-7437Z	DWAYNE HOLLAND	4/1/1990	125	120-125	CHICOT AQUIFER, SHALLOW SAND	Domestic	Active
019-8846Z	RUSSELL ABSHIRE	8/1/1993	265	260-265	CHICOT AQUIFER, UPPER SAND UNIT	Domestic	P&A
019-11451Z	CRAIG SCHULTZ	3/1/1999	245	240-245	CHICOT AQUIFER, UPPER SAND UNIT	Domestic	Active
019-11471Z	SCHULTZ, CRAIG		249		CHICOT AQUIFER, UPPER SAND UNIT	Domestic	P&A
019-11914Z	DANA ALCOIN	2/1/2000	145	140-145	CHICOT AQUIFER, SHALLOW SAND	Domestic	Active
019-12344Z	ERNEST WALKER	1/1/2022	160	150-160	CHICOT AQUIFER, SHALLOW SAND	Domestic	Active
019-15353Z	RUSSELL ABSHIRE	7/25/2011	280		CHICOT AQUIFER, UPPER SAND UNIT	Domestic	Active
053-414	GULF REFINING	5/1/1944	370	355-370	CHICOT AQUIFER, UPPER SAND UNIT	Industrial	Abandoned
053-5068Z	DESCO OIL CO	7/1/1982	210	190-210	CHICOT AQUIFER, UPPER SAND UNIT	Rig Supply	P&A
053-5308Z	DARSEY OPER	7/1/1984	189	168-188	CHICOT AQUIFER, UPPER SAND UNIT	Rig Supply	P&A
053-5420Z	GRAHAM EXPLOR	10/1/1984	200	190-200	CHICOT AQUIFER, UPPER SAND UNIT	Rig Supply	P&A
053-5517Z	DONALD, DAVID	10/1/1985	125	120-125	CHICOT AQUIFER, UPPER SAND UNIT	Domestic	P&A
053-5556Z	F & M ENGINEERS	3/1/1986	321	301-321	CHICOT AQUIFER, UPPER SAND UNIT	Rig Supply	Active
053-5751Z	FRUGE, BERNARD	2/1/1978	189		CHICOT AQUIFER, UPPER SAND UNIT	Domestic	P&A
053-5752Z	BERNARD FRUGE	8/1/1987	165	160-165	CHICOT AQUIFER, UPPER SAND UNIT	Domestic	Active
053-5772Z	FLYNN ENERGY	7/1/1987	180	161-181	CHICOT AQUIFER, UPPER SAND UNIT	Rig Supply	P&A
053-5827Z	FLYNN ENERGY	8/1/1988	180	160-180	CHICOT AQUIFER, UPPER SAND UNIT	Rig Supply	Active
053-5901Z	GEORGE SEALE	4/1/1989	165	160-165	CHICOT AQUIFER, UPPER SAND UNIT	Domestic	Active
053-6439Z	BLAINE JAMISE	9/1/1995	145	140-145	CHICOT AQUIFER, UPPER SAND UNIT	Domestic	Active
053-7050Z	UNITED WORLD EN	12/1/2000	340	320-340	CHICOT AQUIFER, UPPER SAND UNIT	Rig Supply	P&A
053-7056Z	UNITED WORLD EN	4/1/2022	300	280-300	CHICOT AQUIFER, UPPER SAND UNIT	Rig Supply	Active



- Approximate Public Water Supply Line Location
- Domestic
- Industrial
- + Irrigation/Aquaculture/Livestock
- Public Supply
- Rig Supply
- Property
- 1 Mile Radius

Notes:  
 Water well data from LDNR Sonris (<http://sonris.com>).  
 Public water supply line location based on information from  
 Jefferson Davis Water and Sewer Commission #1.  
 Imagery Basemap via ArcGIS Online.

**Figure 20**  
**LDNR Registered Water Wells**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



**Legend**

- USGS Monitoring Station
- Property

**Notes:**

- 1- Chloride data from the National Water Quality Monitoring Council (<https://www.waterqualitydata.us/portal/>).
- 2- Imagery Basemap via ArcGIS Online.

**Figure 21**  
**USGS Chloride Data**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

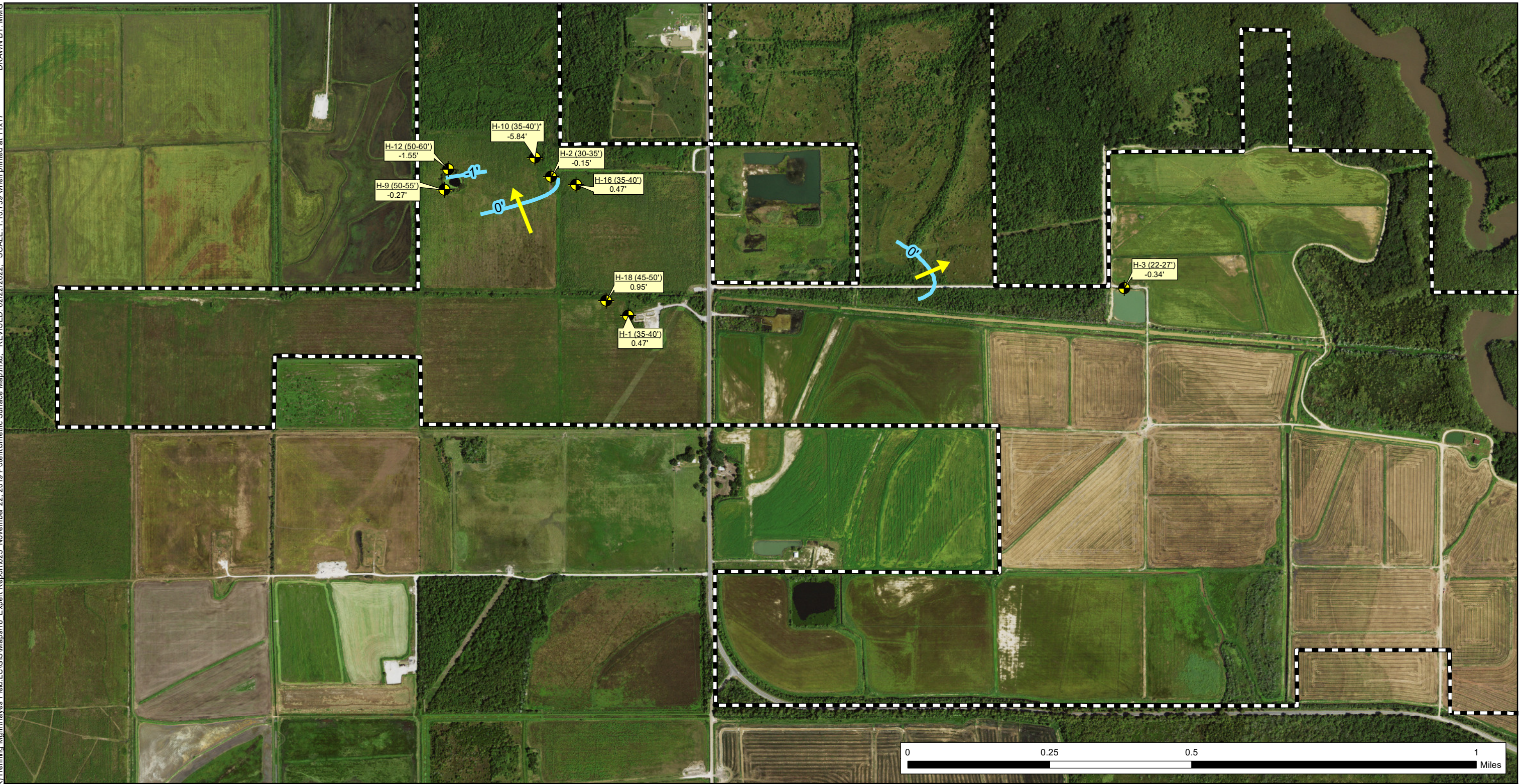
Environmental Resources Management  
[www.erm.com](http://www.erm.com)



- Property
- ERM Monitoring Well
- ICON Monitoring Well
- ICON Soil Sample Location
- Well That Purged Dry
- Boring Where Water-Bearing Zone Not Encountered At Target Depth

Notes:  
2019 Aerial via Earth Explorer

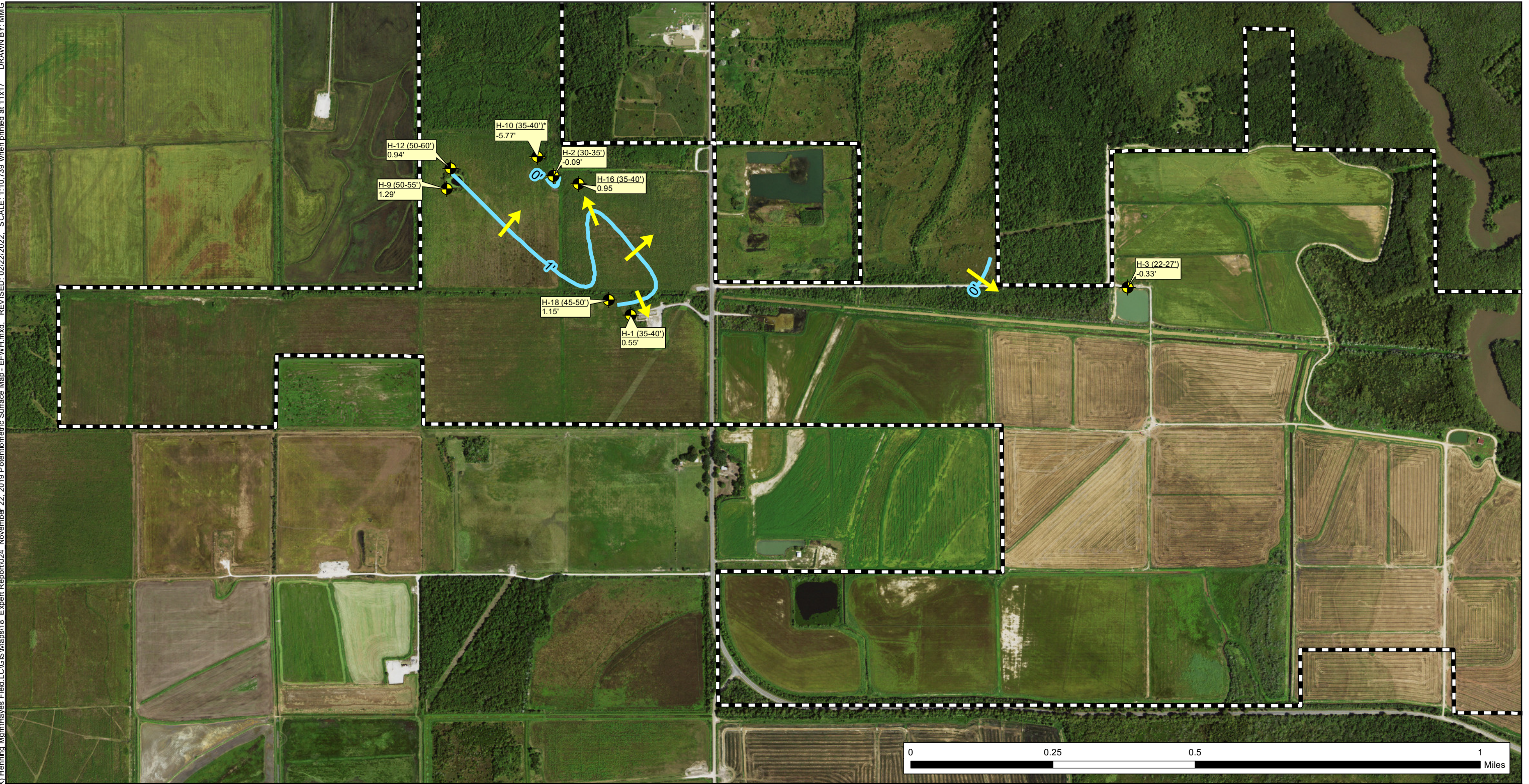
**Figure 22**  
**Monitoring Wells that Purged Dry Or Exhibited Low Yield**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana



- ICON Monitoring Well
- General Direction of Groundwater Flow
- Potentiometric Surface Contour
- Property

Notes:  
 \* - Water elevation at H-10 appears anomolous in comparison to surrounding wells and was not contoured.  
 September 5, 2019 aerial photo from USGS Earth Explorer.

**Figure 23**  
**November 22, 2019 Potentiometric Surface Map**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

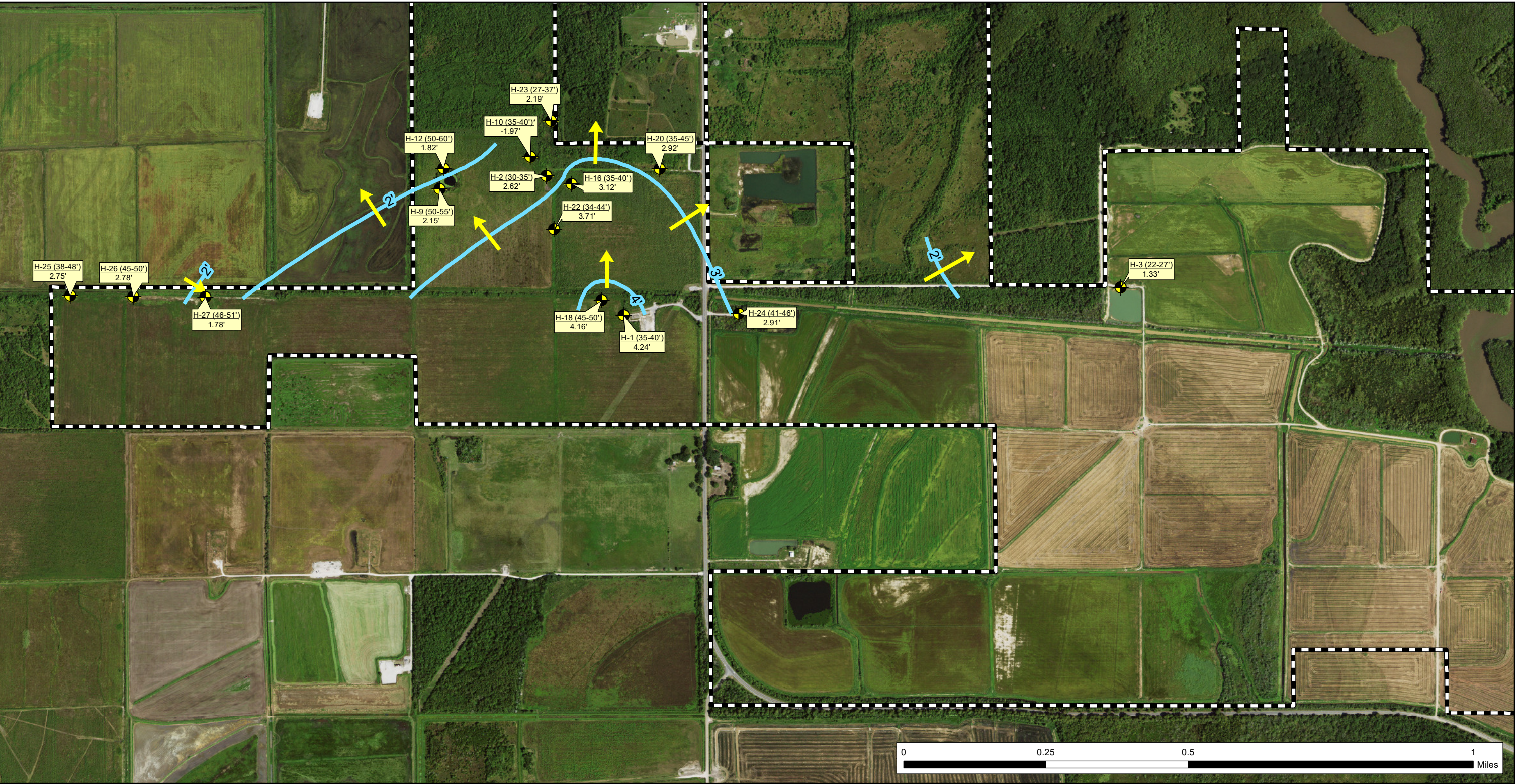


- ICON Monitoring Well
- General Direction of Groundwater Flow
- Potentiometric Surface Contour
- Property

**Figure 24**  
**November 22, 2019 Potentiometric Surface Map - EFWH**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

Notes:  
 \* - Water elevation at H-10 appears anomalous in comparison to surrounding wells and was not contoured.  
 Water elevations shown are adjusted to equivalent freshwater heads (EFWH).  
 September 5, 2019 aerial photo from USGS Earth Explorer.



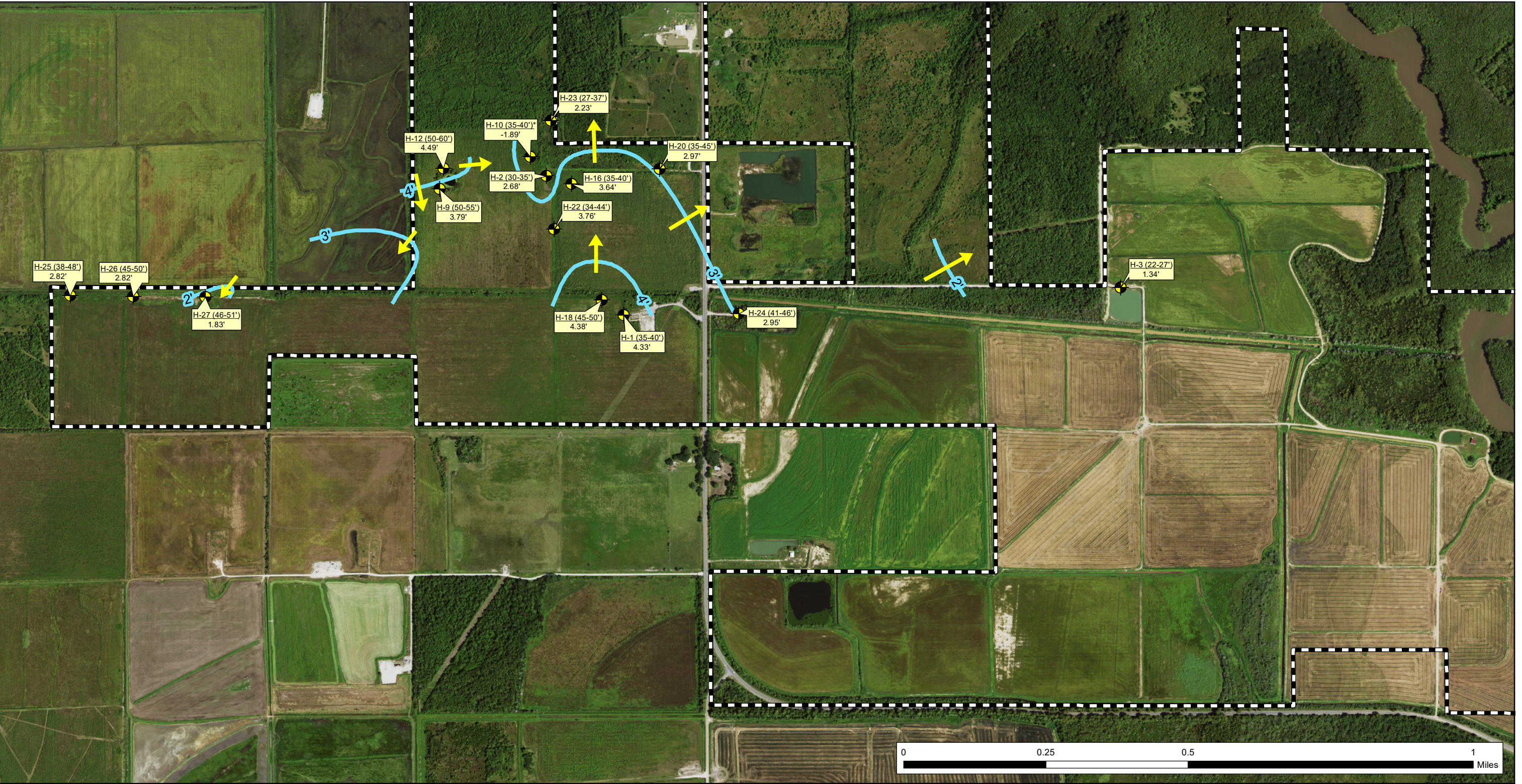


- ICON Monitoring Well
- General Direction of Groundwater Flow
- Potentiometric Surface Contour
- Property

**Figure 25**  
**May 24, 2021 Potentiometric Surface Map**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana

Notes:  
\* - Water elevation at H-10 appears anomalous in comparison to surrounding wells and was not contoured.  
September 5, 2019 aerial photo from USGS Earth Explorer.

Q:\Houston\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt\Hayes Field.LC\GIS\Maps\18 Expert Report\026 May 24, 2021 Potentiometric Surface Map - EFWH.mxd, REVISED: 02/22/2022, SCALE: 1:10,739 when printed at 11x17 DRAWN BY: MMG

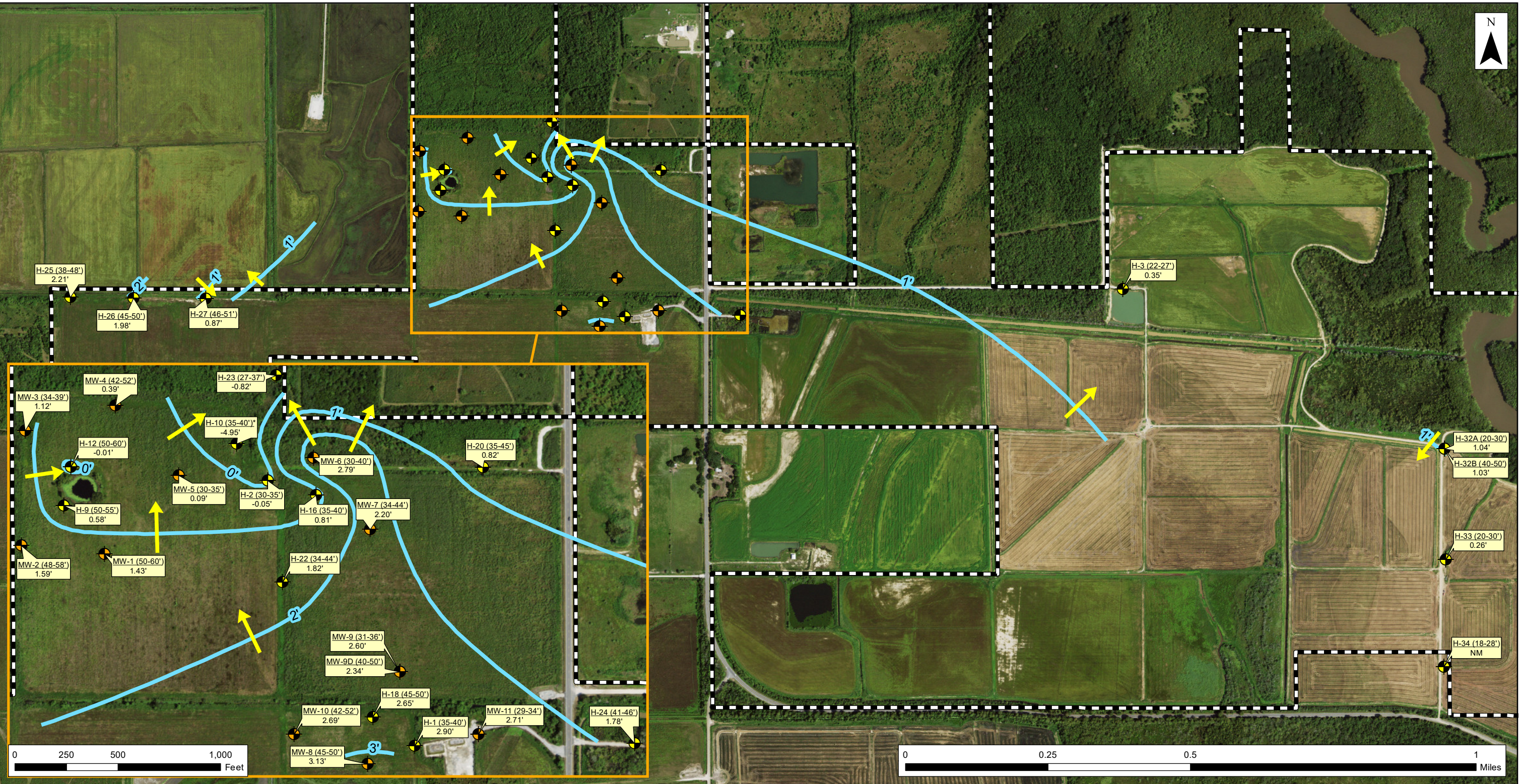


- ICON Monitoring Well
- General Direction of Groundwater Flow
- Potentiometric Surface Contour
- Property

**Figure 26**  
**May 24, 2021 Potentiometric Surface Map - EFWH**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

Notes:  
 \* - Water elevation at H-10 appears anomolous in comparison to surrounding wells and was not contoured.  
 Water elevations shown are adjusted to equivalent freshwater heads (EFWH).  
 September 5, 2019 aerial photo from USGS Earth Explorer.

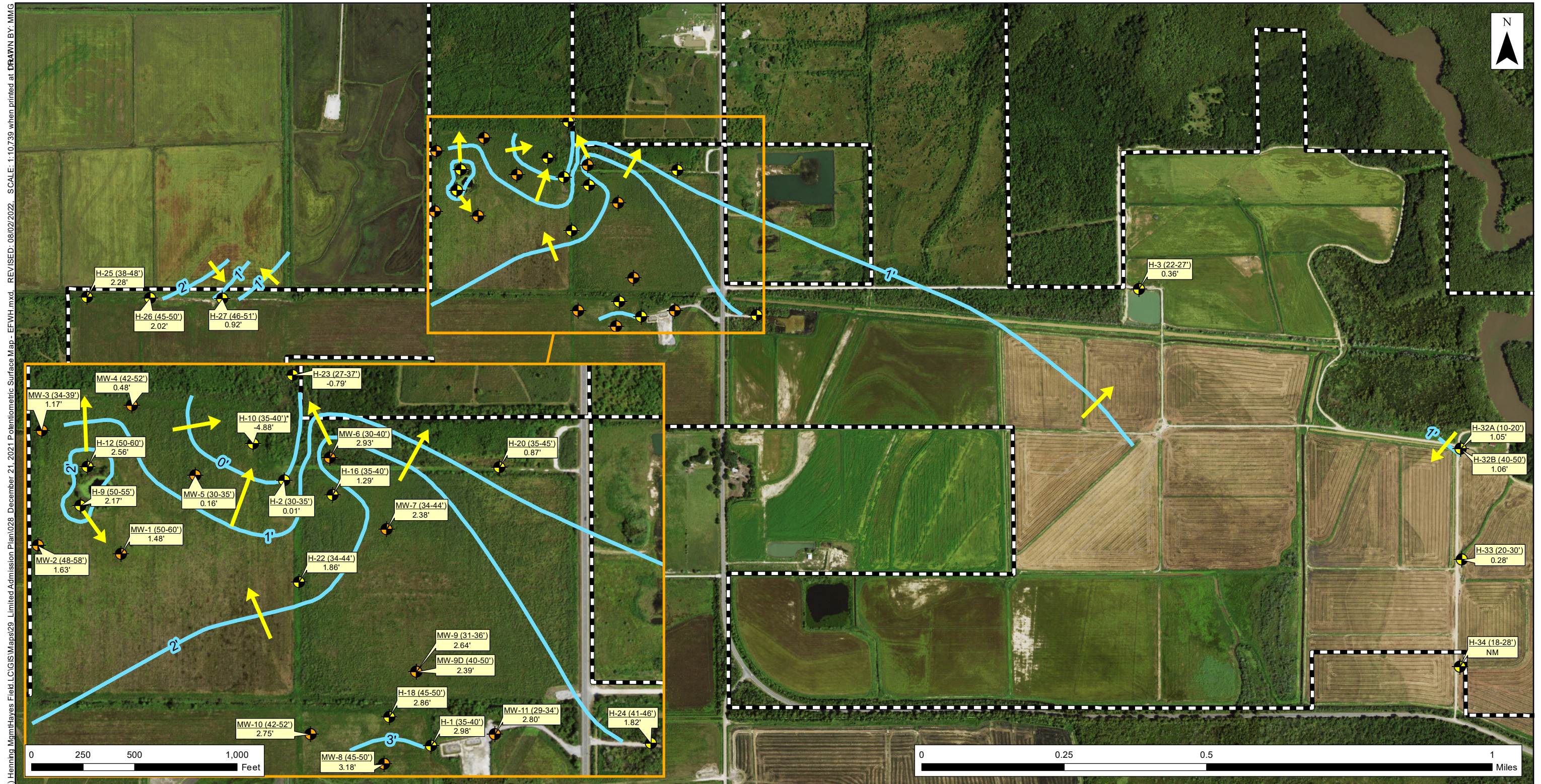
Q:\Houston\Projects\0526033 Kean Miller, LLP (CVX) Henning Mgmt\Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\027 December 21, 2021 Potentiometric Surface Map.mxd, REVISED: 09/02/2022, SCALE: 1:10,739 when printed at 11x17 DRAWN BY: MMG



- ERM Monitoring Well
- ICON Monitoring Well
- General Direction of Groundwater Flow
- Potentiometric Surface Contour
- Property

**Figure 27**  
**December 21, 2021 Potentiometric Surface Map**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

Notes:  
 \* - Water elevation at H-10 appears anomalous in comparison to surrounding wells and was not contoured.  
 September 5, 2019 aerial photo from USGS Earth Explorer.



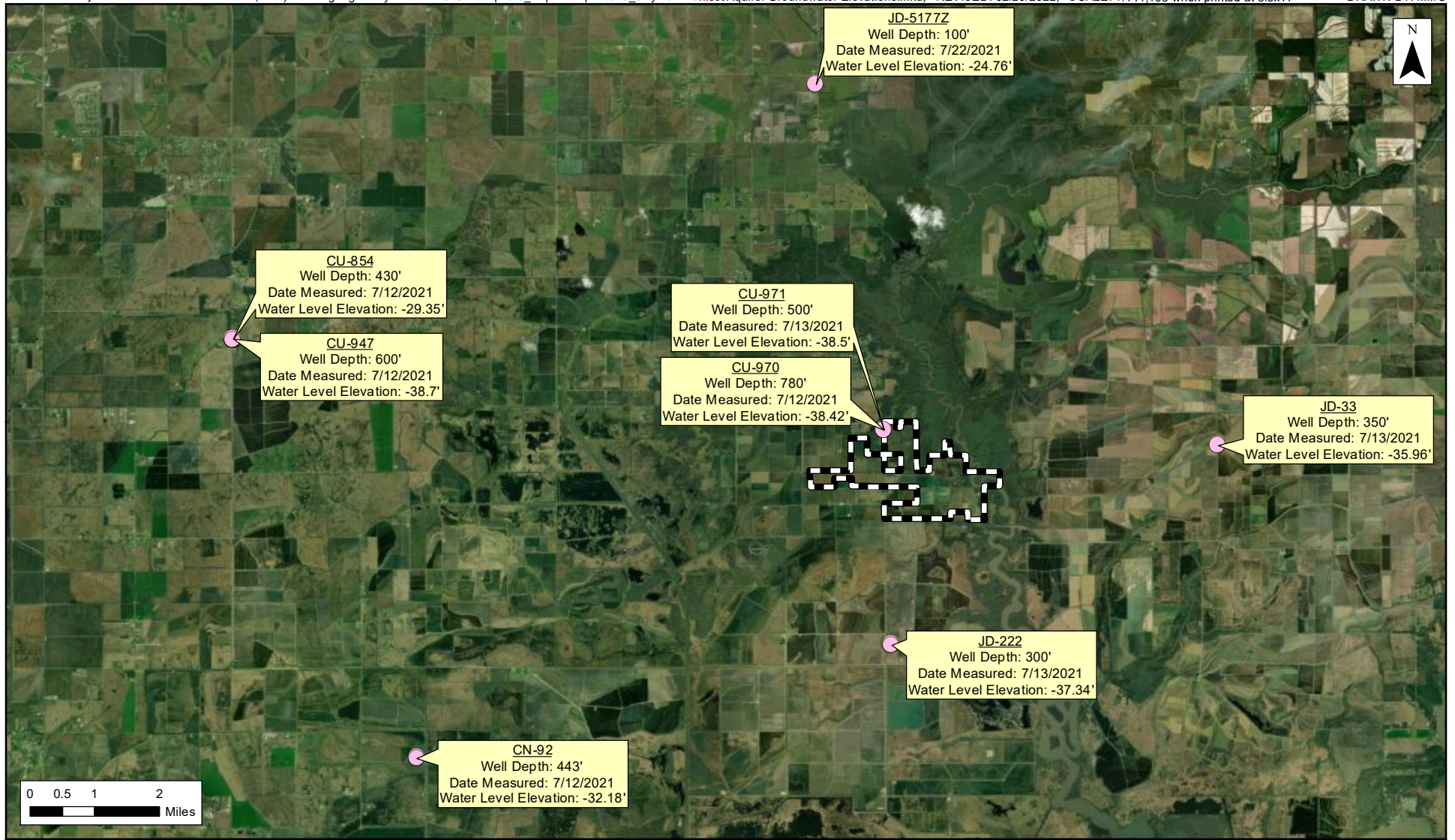
-  ERM Monitoring Well
-  ICON Monitoring Well
-  General Direction of Groundwater Flow
-  Potentiometric Surface Contour
-  Property

**Figure 28**  
**December 21, 2021 Potentiometric Surface Map - EFWH**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

Notes:  
 \* - Water elevation at H-10 appears anomalous in comparison to surrounding wells and was not contoured.  
 Water elevations shown are adjusted to equivalent freshwater heads (EFWH).  
 September 5, 2019 aerial photo from USGS Earth Explorer.

Q:\Houston\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt\Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\028 December 21, 2021 Potentiometric Surface Map - EFWH.mxd. REVISED: 08/02/2022. SCALE: 1:10739 when printed at DRAWN BY: MMG

Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N



● Chicot Aquifer Water Well with July 2021 Water Elevation Data  
 Property

**Figure 29**  
**July 2021 Chicot Aquifer Groundwater Elevations**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

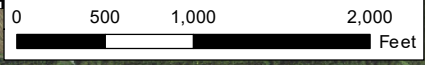
Notes:  
 Chicot water well data from USGS.  
 Imagery basemap via ArcGIS Online.





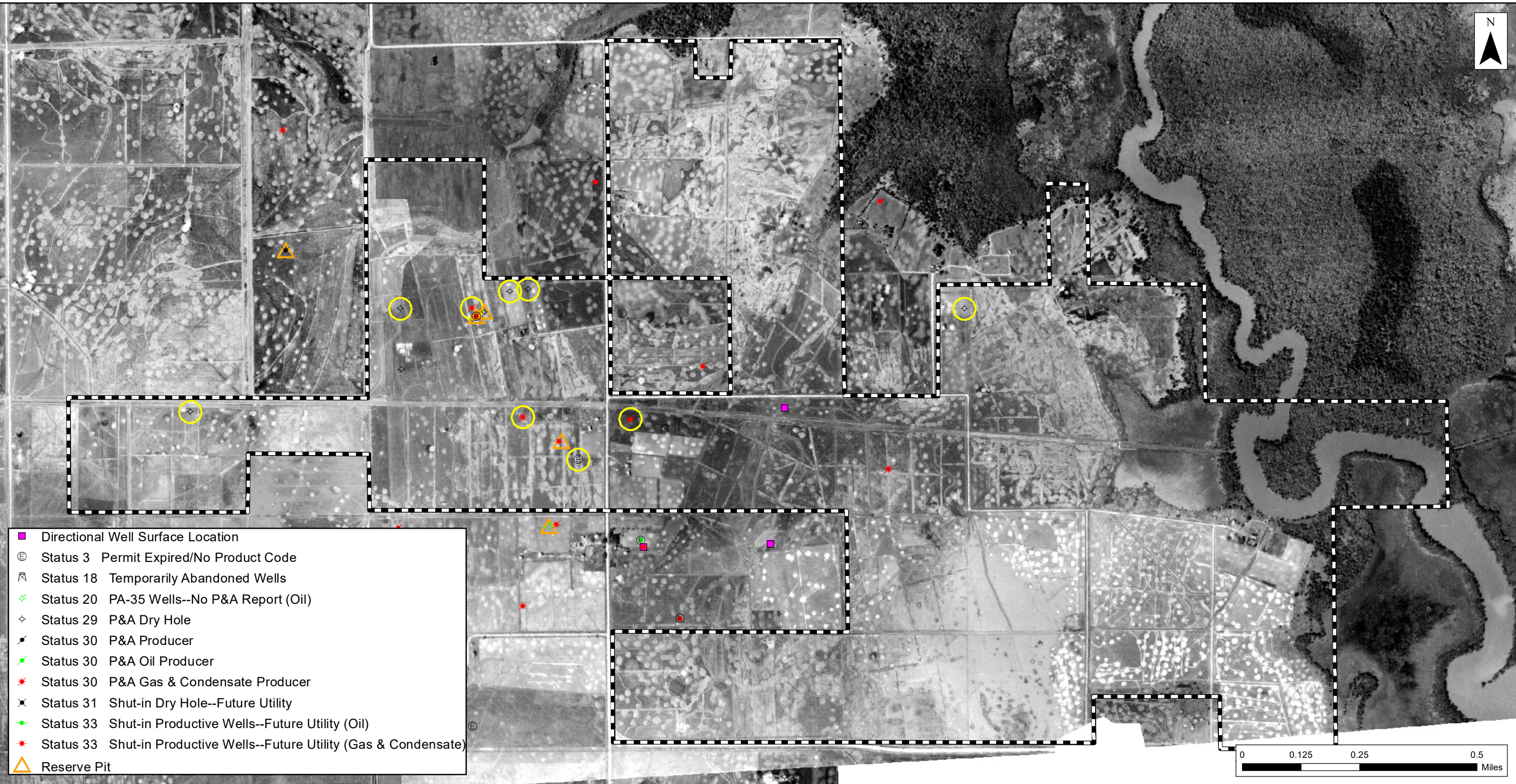
- Directional Well Surface Location
- ⊕ Status 3 Permit Expired/No Product Code
- ⊖ Status 18 Temporarily Abandoned Wells
- ⊕ Status 20 PA-35 Wells--No P&A Report (Oil)
- ⊕ Status 29 P&A Dry Hole
- ⊕ Status 30 P&A Producer
- ⊕ Status 30 P&A Oil Producer
- ⊕ Status 30 P&A Gas & Condensate Producer
- ⊕ Status 31 Shut-in Dry Hole--Future Utility
- ⊕ Status 33 Shut-in Productive Wells--Future Utility (Oil)
- ⊕ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ⬜ Property
- ⬜ Other Sampling Areas – Outside Chevron Limited Admission
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Area 5
- Area 6
- Area 8



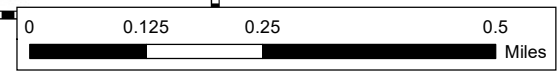
**Figure 30**  
**LDNR Registered Oil & Gas Wells**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

Notes:  
 Well data from LDNR SONRIS database (<http://sonris.com>).  
 Well locations on the property adjusted based on plat and/or  
 description in LDNR well file.  
 September 5, 2019 aerial imagery from USGS Earth Explorer.



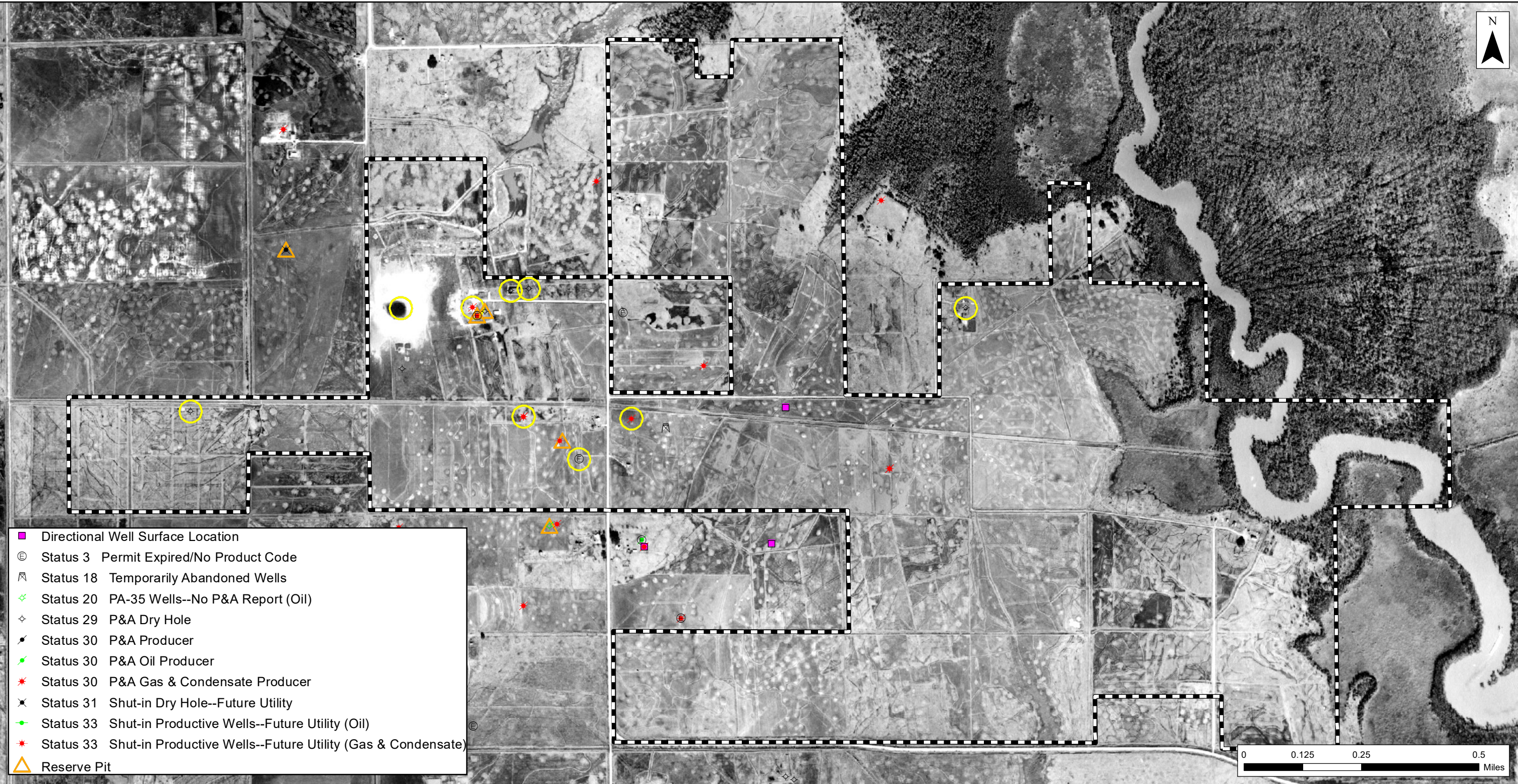
- Directional Well Surface Location
- ⊕ Status 3 Permit Expired/No Product Code
- ⊖ Status 18 Temporarily Abandoned Wells
- ✦ Status 20 PA-35 Wells--No P&A Report (Oil)
- ⊕ Status 29 P&A Dry Hole
- ✦ Status 30 P&A Producer
- ✦ Status 30 P&A Oil Producer
- ✦ Status 30 P&A Gas & Condensate Producer
- ✦ Status 31 Shut-in Dry Hole--Future Utility
- ✦ Status 33 Shut-in Productive Wells--Future Utility (Oil)
- ✦ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ▭ Property
- Gulf/Chevron Well



**Figure 31**  
**1940 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana

Notes:  
03-31-1940 Aerial from the LSU Cartographic Information  
Center (<http://www.cic.lsu.edu/aerial.htm>).

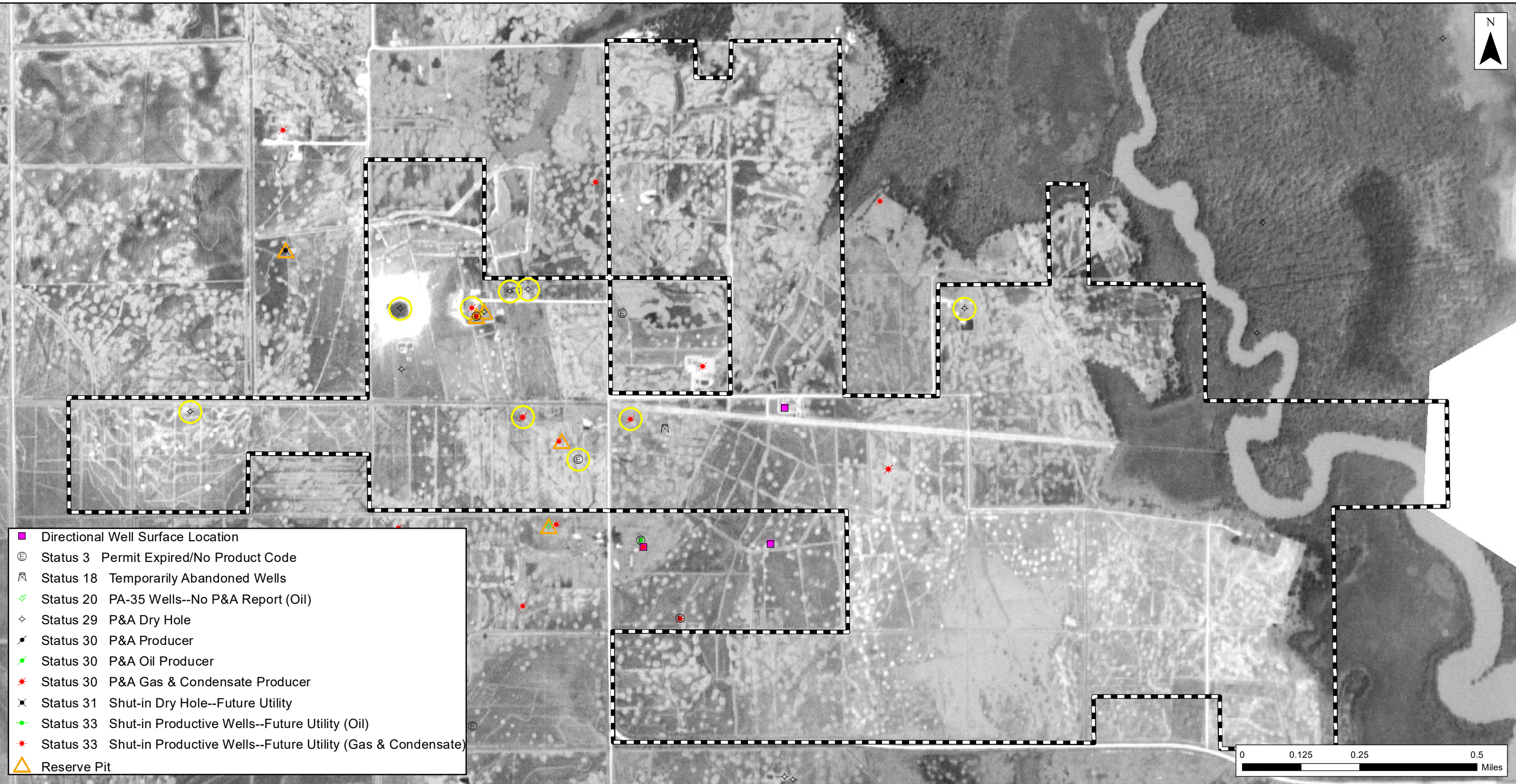


**Figure 32**  
**1951 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

Notes:  
 01-15-1951 and 01-16-1951 Aerials from the LSU  
 Cartographic Information Center  
 (<http://www.cic.lsu.edu/aerial.htm>).



P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admissin Plan\033 1952 Aerial Photo.mxd, REVISED: 07/11/2022, SCALE: 1:13,032 when printed at 11x17  
 DRAWN BY: MMS



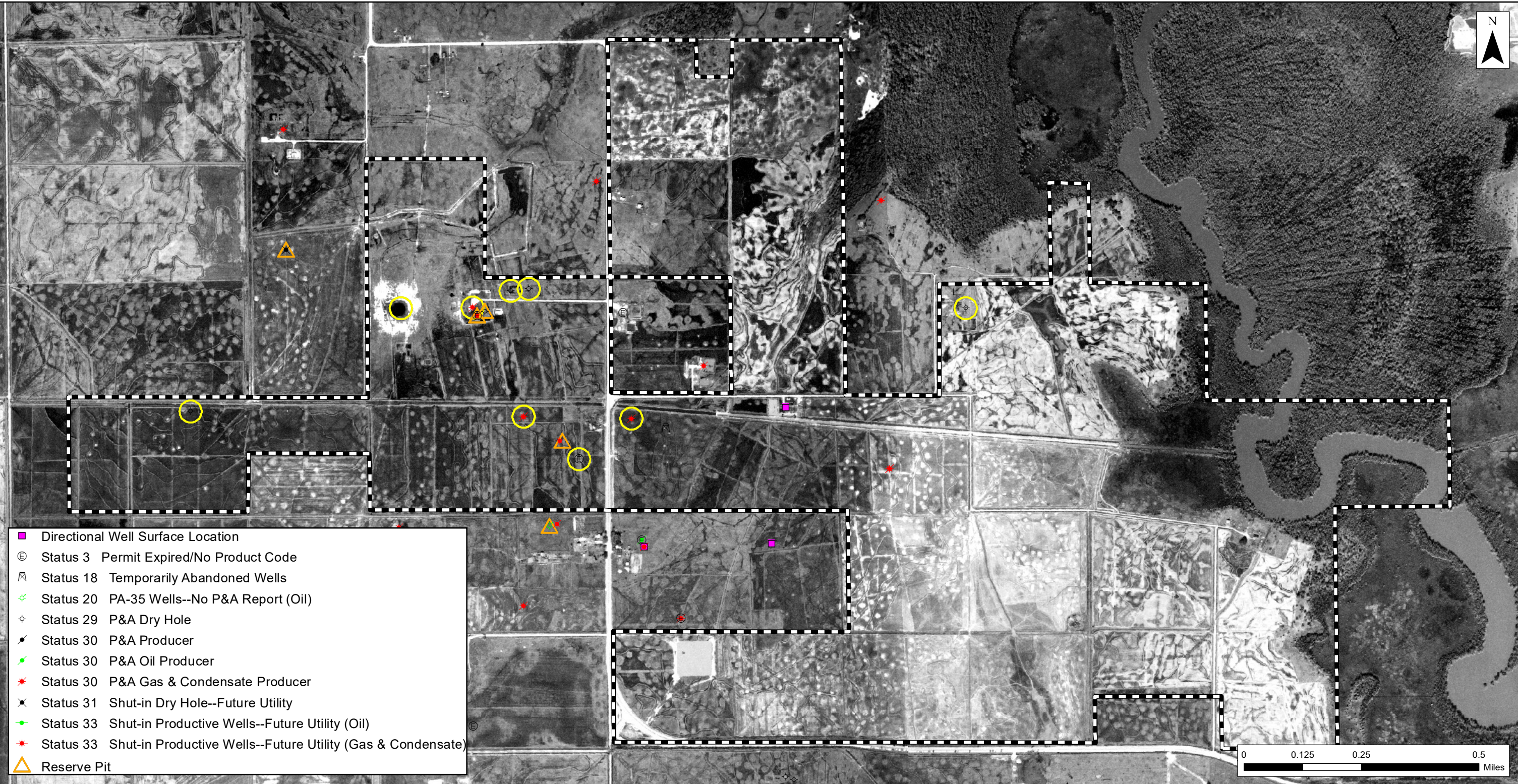
- Directional Well Surface Location
- ⊖ Status 3 Permit Expired/No Product Code
- ⊖ Status 18 Temporarily Abandoned Wells
- ✦ Status 20 PA-35 Wells--No P&A Report (Oil)
- ✦ Status 29 P&A Dry Hole
- ✦ Status 30 P&A Producer
- ✦ Status 30 P&A Oil Producer
- ✦ Status 30 P&A Gas & Condensate Producer
- ✦ Status 31 Shut-in Dry Hole--Future Utility
- ✦ Status 33 Shut-in Productive Wells--Future Utility (Oil)
- ✦ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ⬜ Property
- Gulf/Chevron Well

Notes:  
 04-14-1952 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).

**Figure 33**  
**1952 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

Source: Esri - World Imagery Map; NAD 1983 UTM Zone 15N  
P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\034 1957 Aerial Photo.mxd, REVISED: 07/11/2022, SCALE: 1:13,032 when printed at 11x17  
DRAWN BY: MMS

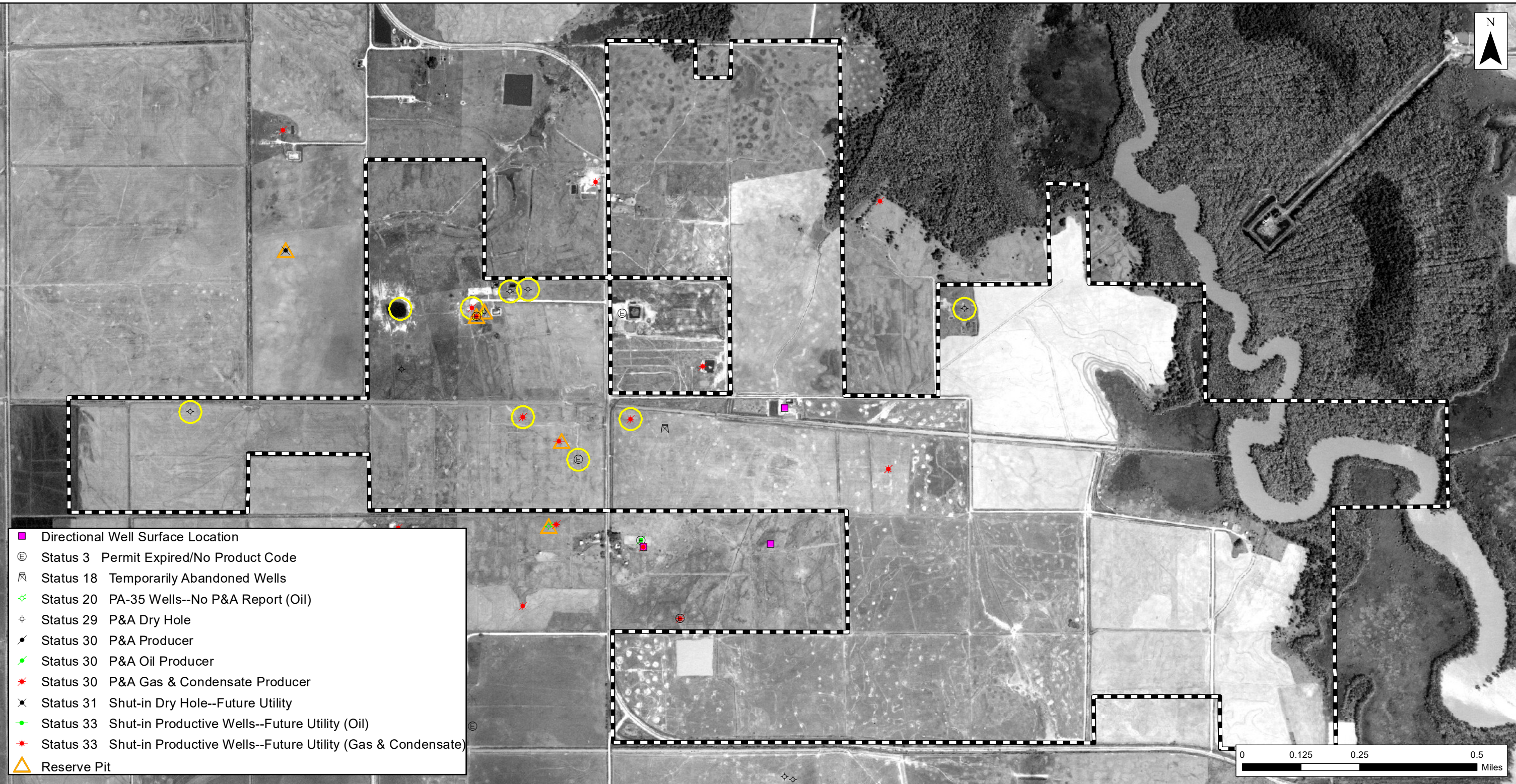


- Directional Well Surface Location
- ⓔ Status 3 Permit Expired/No Product Code
- ⓐ Status 18 Temporarily Abandoned Wells
- ⓧ Status 20 PA-35 Wells--No P&A Report (Oil)
- ⓓ Status 29 P&A Dry Hole
- Ⓟ Status 30 P&A Producer
- Ⓠ Status 30 P&A Oil Producer
- Ⓡ Status 30 P&A Gas & Condensate Producer
- Ⓢ Status 31 Shut-in Dry Hole--Future Utility
- Ⓣ Status 33 Shut-in Productive Wells--Future Utility (Oil)
- Ⓤ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ⬜ Property
- Gulf/Chevron Well

Notes:  
02-28-1957 Aerial from the LSU Cartographic Information Center (<http://www.cic.lsu.edu/aerial.htm>).

**Figure 34**  
**1957 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana

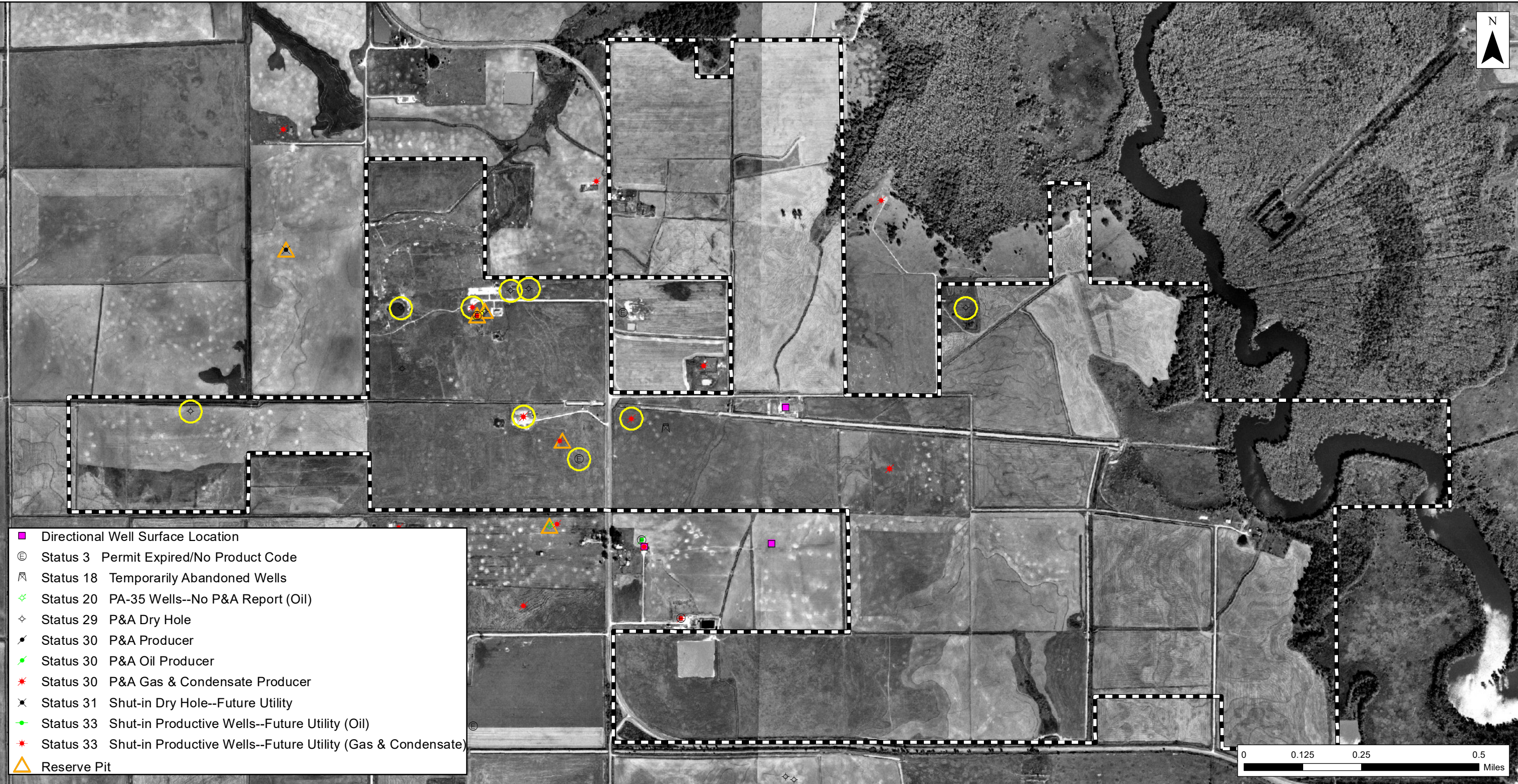


- Directional Well Surface Location
- ⓔ Status 3 Permit Expired/No Product Code
- ⓐ Status 18 Temporarily Abandoned Wells
- ★ Status 20 PA-35 Wells--No P&A Report (Oil)
- ⊕ Status 29 P&A Dry Hole
- ⓐ Status 30 P&A Producer
- ★ Status 30 P&A Oil Producer
- ★ Status 30 P&A Gas & Condensate Producer
- ⓐ Status 31 Shut-in Dry Hole--Future Utility
- ★ Status 33 Shut-in Productive Wells--Future Utility (Oil)
- ★ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- ▲ Reserve Pit

- ⎓ Property
- Gulf/Chevron Well

Notes:  
 03-27-1962 Aerial from the LSU Cartographic Information Center (<http://www.cic.lsu.edu/aerial.htm>).

**Figure 35**  
**1962 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



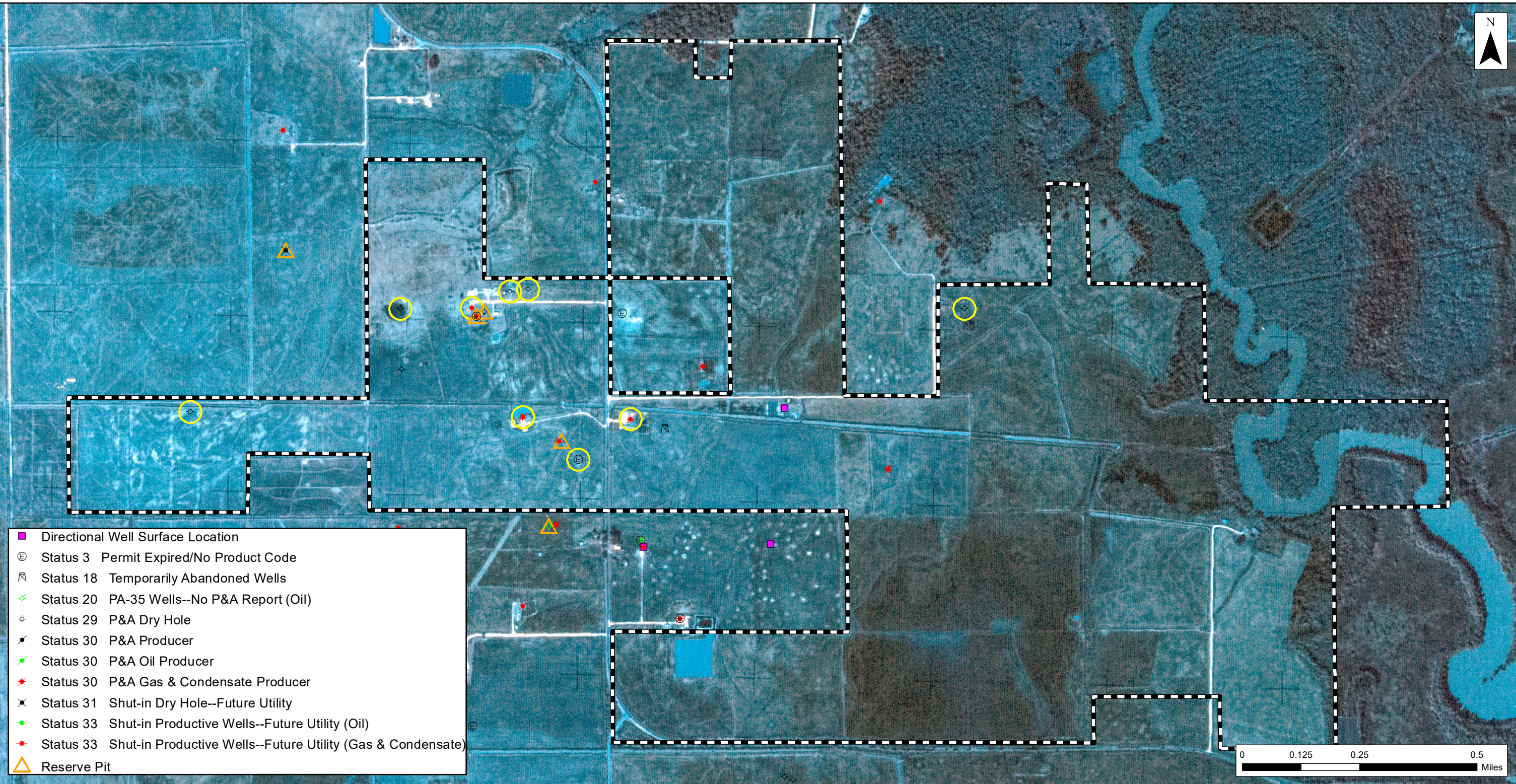
- Directional Well Surface Location
- ⊖ Status 3 Permit Expired/No Product Code
- ⊖ Status 18 Temporarily Abandoned Wells
- ✦ Status 20 PA-35 Wells--No P&A Report (Oil)
- ✦ Status 29 P&A Dry Hole
- ✦ Status 30 P&A Producer
- ✦ Status 30 P&A Oil Producer
- ✦ Status 30 P&A Gas & Condensate Producer
- ✦ Status 31 Shut-in Dry Hole--Future Utility
- ✦ Status 33 Shut-in Productive Wells--Future Utility (Oil)
- ✦ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ▭ Property
- Gulf/Chevron Well

Notes:  
 10-25-1968 Aerial from the LSU Cartographic Information Center (<http://www.cic.lsu.edu/aerial.htm>).

**Figure 36**  
**1968 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

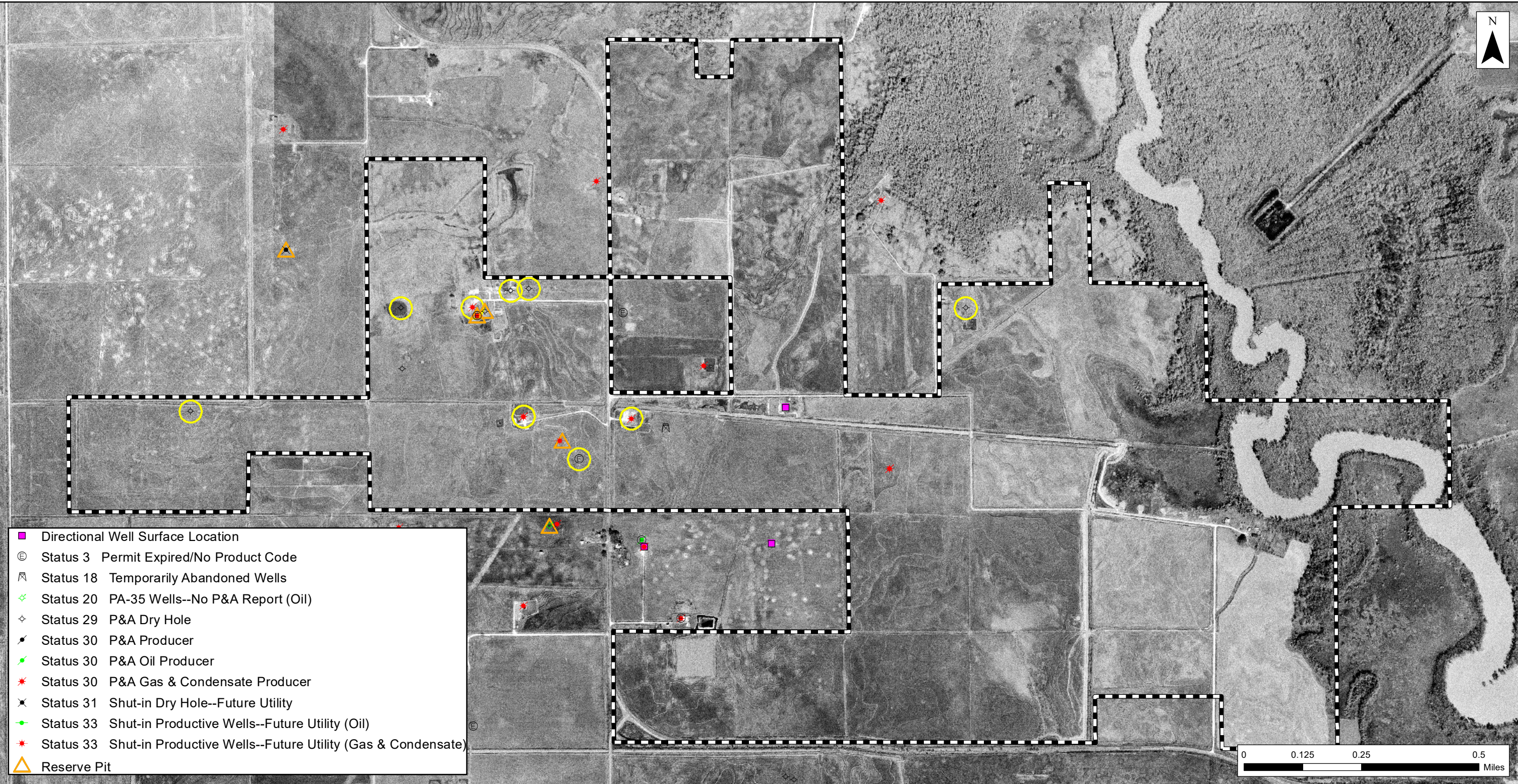
P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\037 1970 Aerial Photo.mxd, REVISED: 07/11/2022, SCALE: 1:13,032 when printed at 11x17  
DRAWN BY: MMS



Notes:  
11-16-1970 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).

**Figure 37**  
**1970 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana

P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admissin Plan\038 1971 Aerial Photo.mxd, REVISED: 07/11/2022, SCALE: 1:13,032 when printed at 11x17  
DRAWN BY: MMS



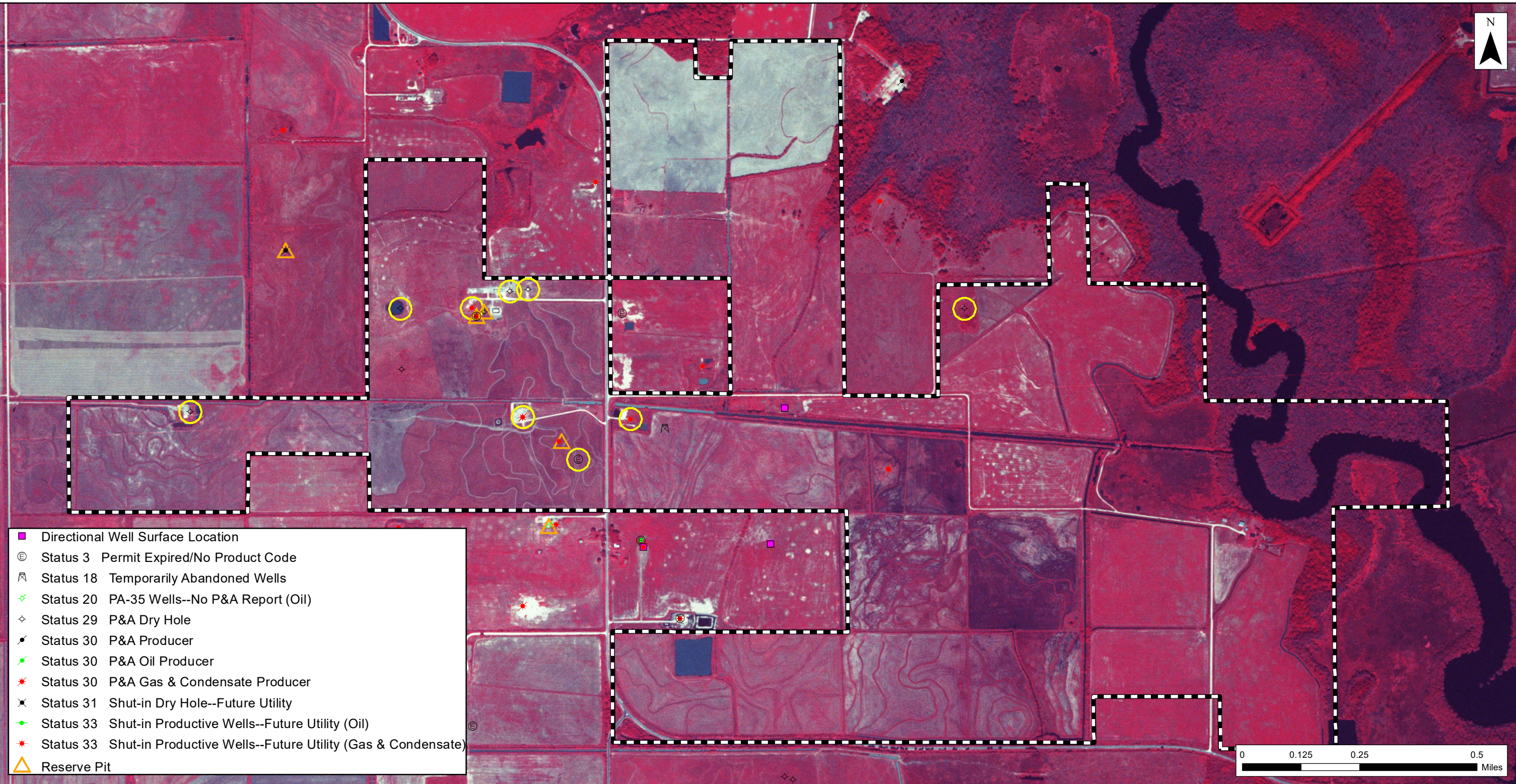
- Directional Well Surface Location
- ⊕ Status 3 Permit Expired/No Product Code
- ⊖ Status 18 Temporarily Abandoned Wells
- ✦ Status 20 PA-35 Wells--No P&A Report (Oil)
- ⊕ Status 29 P&A Dry Hole
- ★ Status 30 P&A Producer
- ★ Status 30 P&A Oil Producer
- ★ Status 30 P&A Gas & Condensate Producer
- ✦ Status 31 Shut-in Dry Hole--Future Utility
- ★ Status 33 Shut-in Productive Wells--Future Utility (Oil)
- ★ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ▭ Property
- Gulf/Chevron Well

Notes:  
02-13-1971 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).

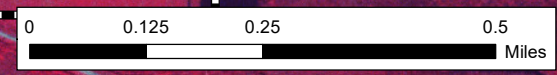
**Figure 38**  
**1971 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana

P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\039 1978 Aerial Photo.mxd, REVISED: 07/11/2022, SCALE: 1:13,032 when printed at 11x17  
DRAWN BY: MMS



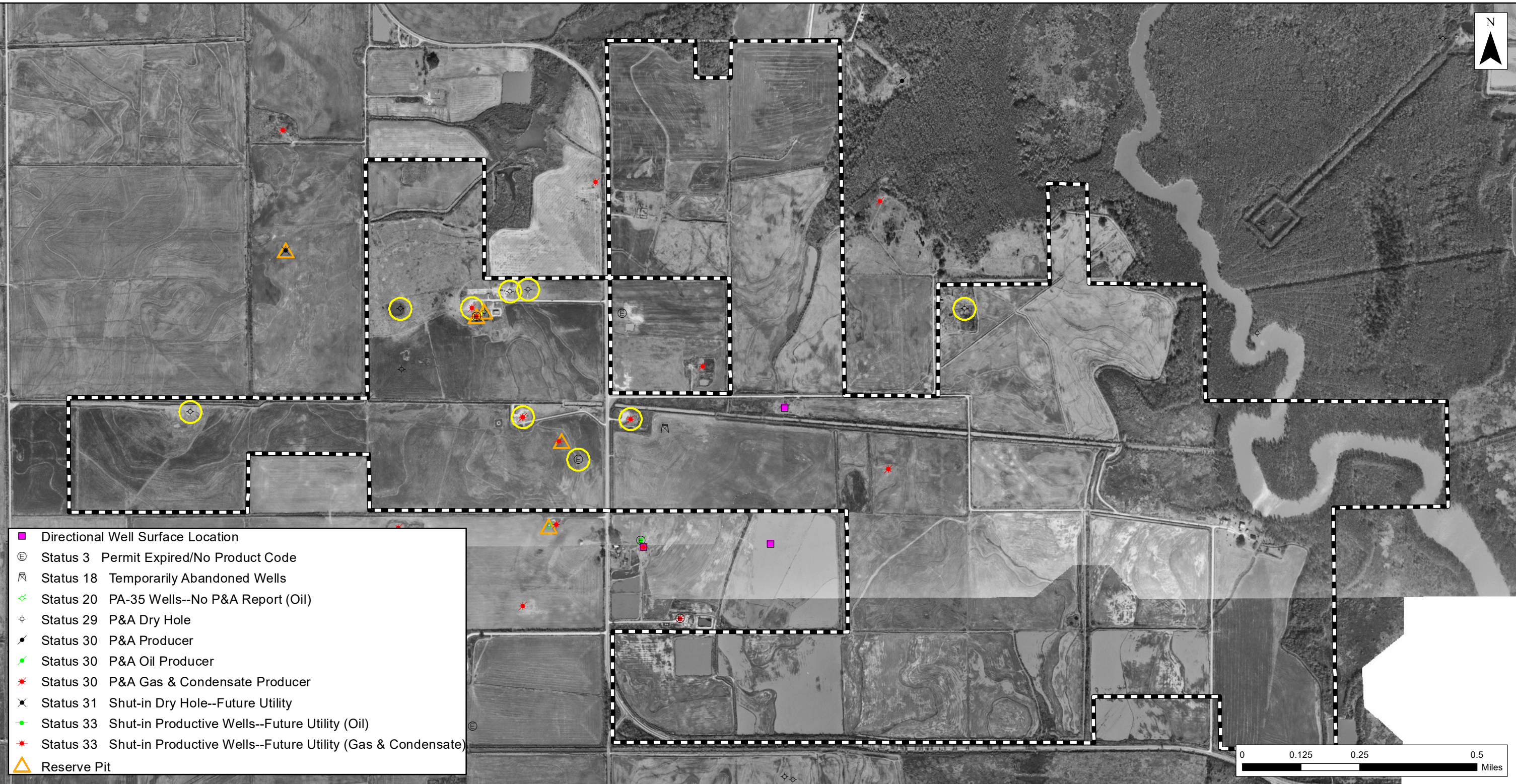
- Directional Well Surface Location
- ⊖ Status 3 Permit Expired/No Product Code
- ⊖ Status 18 Temporarily Abandoned Wells
- ⊖ Status 20 PA-35 Wells--No P&A Report (Oil)
- ⊖ Status 29 P&A Dry Hole
- ⊖ Status 30 P&A Producer
- ⊖ Status 30 P&A Oil Producer
- ⊖ Status 30 P&A Gas & Condensate Producer
- ⊖ Status 31 Shut-in Dry Hole--Future Utility
- ⊖ Status 33 Shut-in Productive Wells--Future Utility (Oil)
- ⊖ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ⊖ Property
- Gulf/Chevron Well



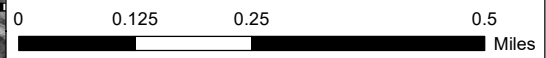
Notes:  
10-09-1978 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).

**Figure 39**  
**1978 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana



- Directional Well Surface Location
- ⊕ Status 3 Permit Expired/No Product Code
- ⊖ Status 18 Temporarily Abandoned Wells
- ✦ Status 20 PA-35 Wells--No P&A Report (Oil)
- ⊕ Status 29 P&A Dry Hole
- ✦ Status 30 P&A Producer
- ✦ Status 30 P&A Oil Producer
- ✦ Status 30 P&A Gas & Condensate Producer
- ✦ Status 31 Shut-in Dry Hole--Future Utility
- ✦ Status 33 Shut-in Productive Wells--Future Utility (Oil)
- ✦ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ⬜ Property
- Gulf/Chevron Well

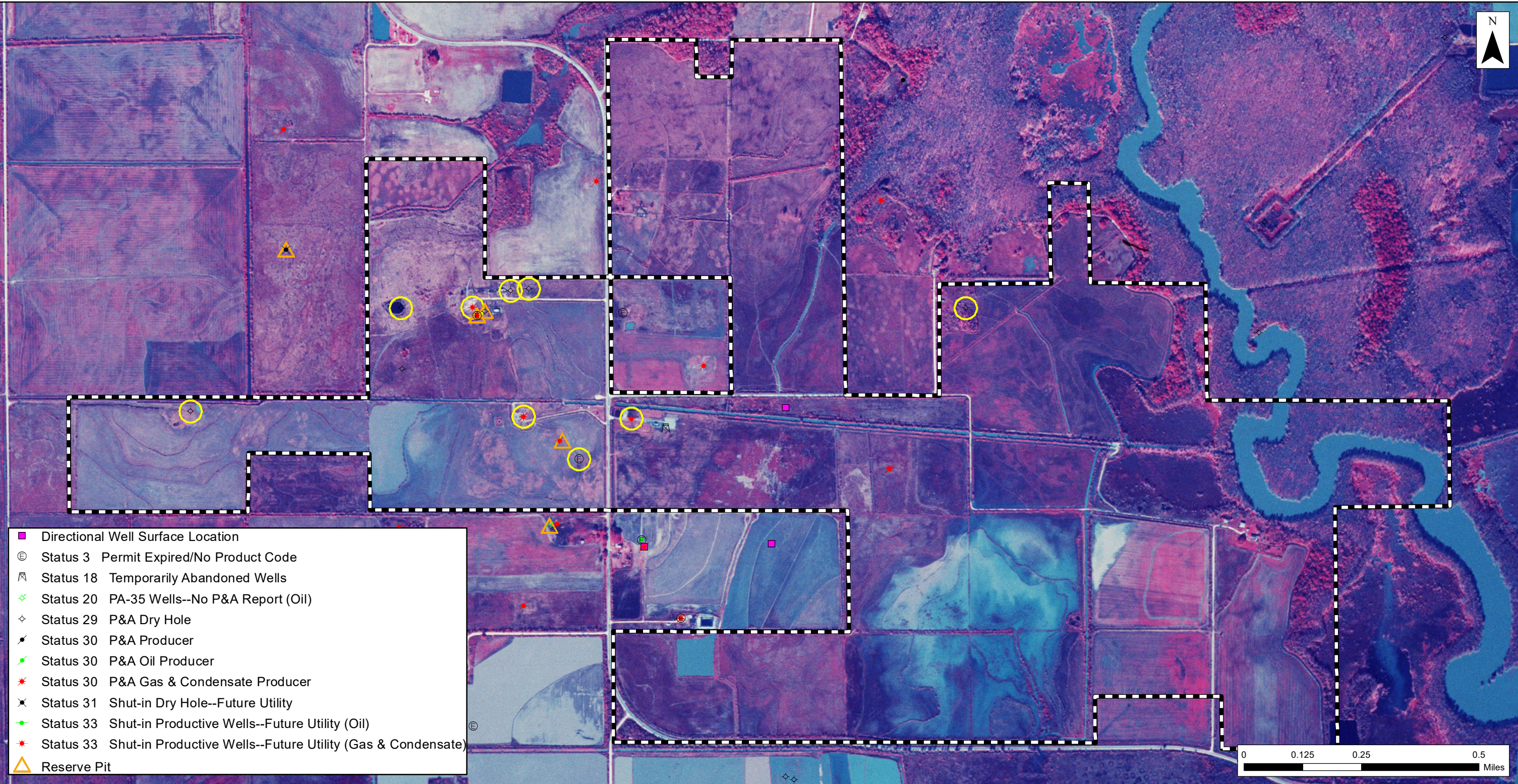


**Figure 40**  
**1981 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

Notes:  
 01-01-1981 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).



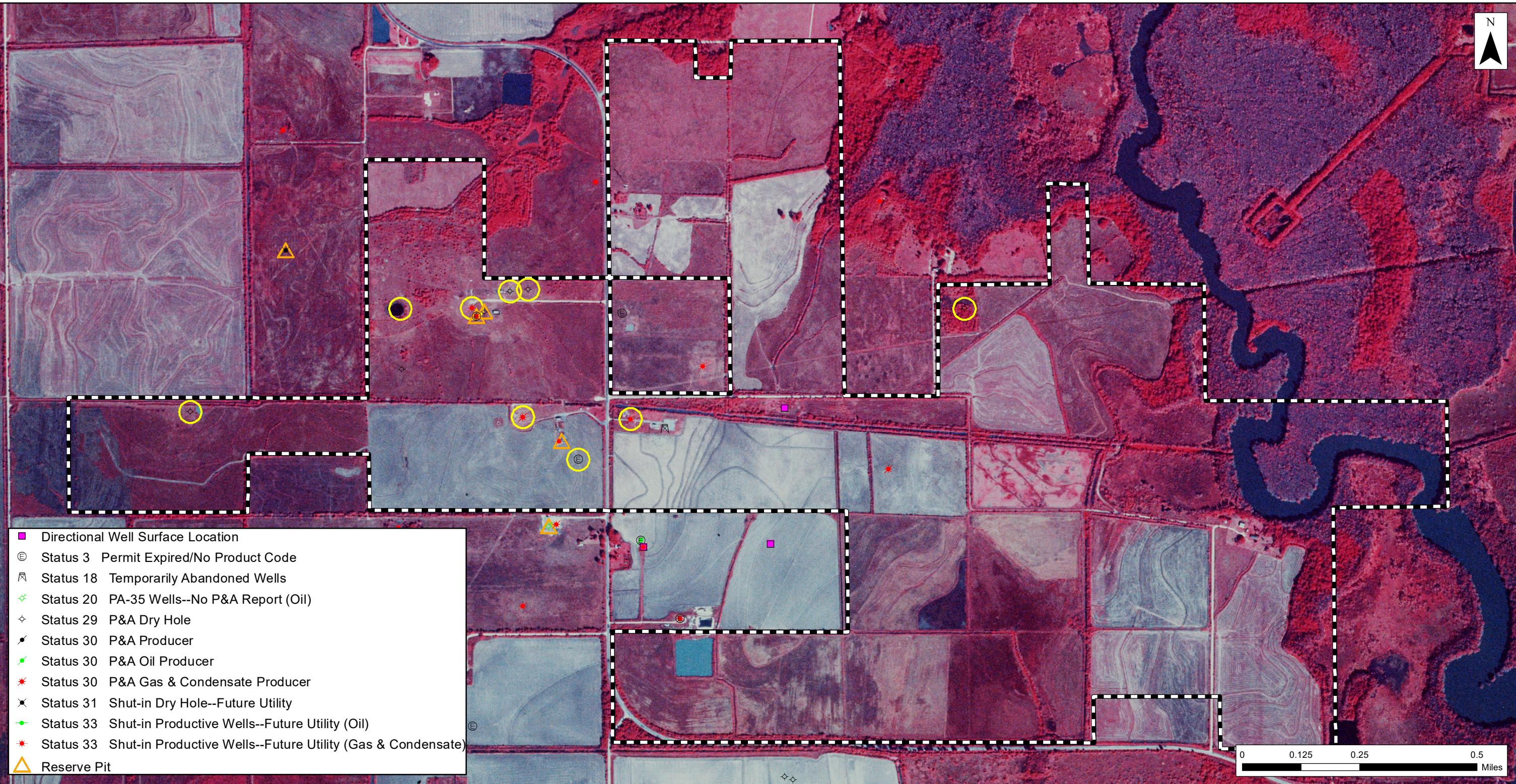
P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\041 1985 Aerial Photo.mxd, REVISED: 07/11/2022, SCALE: 1:13,032 when printed at 11x17  
DRAWN BY: MMS



- Property
- Gulf/Chevron Well

Notes:  
12-14-1985 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).

**Figure 41**  
**1985 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana



- Directional Well Surface Location
- ⊕ Status 3 Permit Expired/No Product Code
- ⊖ Status 18 Temporarily Abandoned Wells
- ✦ Status 20 PA-35 Wells--No P&A Report (Oil)
- ✧ Status 29 P&A Dry Hole
- ✦ Status 30 P&A Producer
- ✦ Status 30 P&A Oil Producer
- ✦ Status 30 P&A Gas & Condensate Producer
- ✦ Status 31 Shut-in Dry Hole--Future Utility
- ✦ Status 33 Shut-in Productive Wells--Future Utility (Oil)
- ✦ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ▭ Property
- Gulf/Chevron Well

Notes:  
11-07-1988 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).

**Figure 42**  
**1988 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana



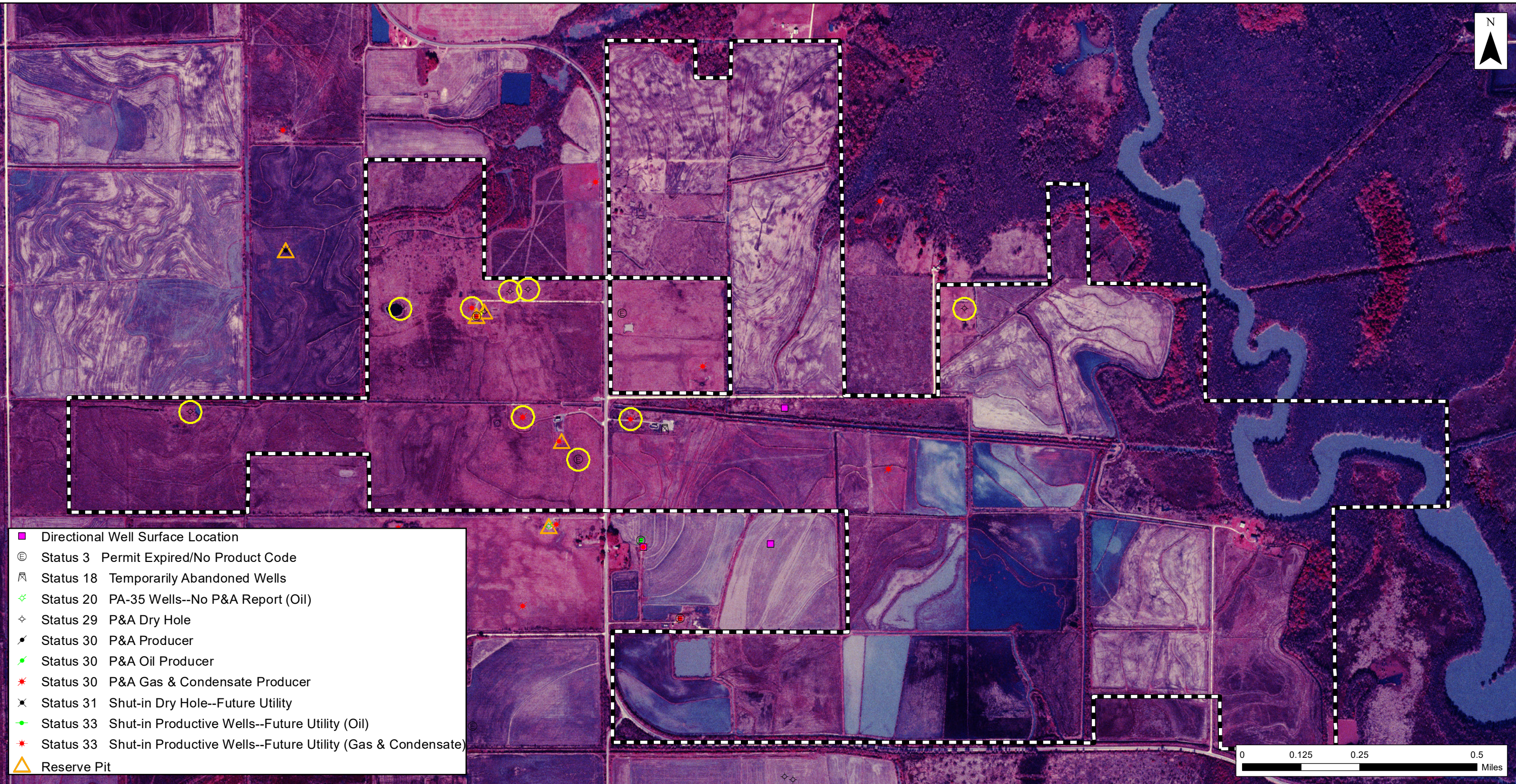
- Directional Well Surface Location
- ⊕ Status 3 Permit Expired/No Product Code
- ⊖ Status 18 Temporarily Abandoned Wells
- ✦ Status 20 PA-35 Wells--No P&A Report (Oil)
- ✧ Status 29 P&A Dry Hole
- ✦ Status 30 P&A Producer
- ✦ Status 30 P&A Oil Producer
- ✦ Status 30 P&A Gas & Condensate Producer
- ✦ Status 31 Shut-in Dry Hole--Future Utility
- ✦ Status 33 Shut-in Productive Wells--Future Utility (Oil)
- ✦ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ▭ Property
- Gulf/Chevron Well

Notes:  
 02-20-1990 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).

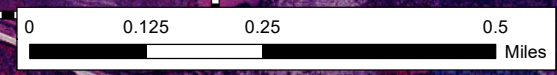
**Figure 43**  
**1990 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\044 1995 Aerial Photo.mxd, REVISED: 07/11/2022, SCALE: 1:13,032 when printed at 11x17  
DRAWN BY: MMS



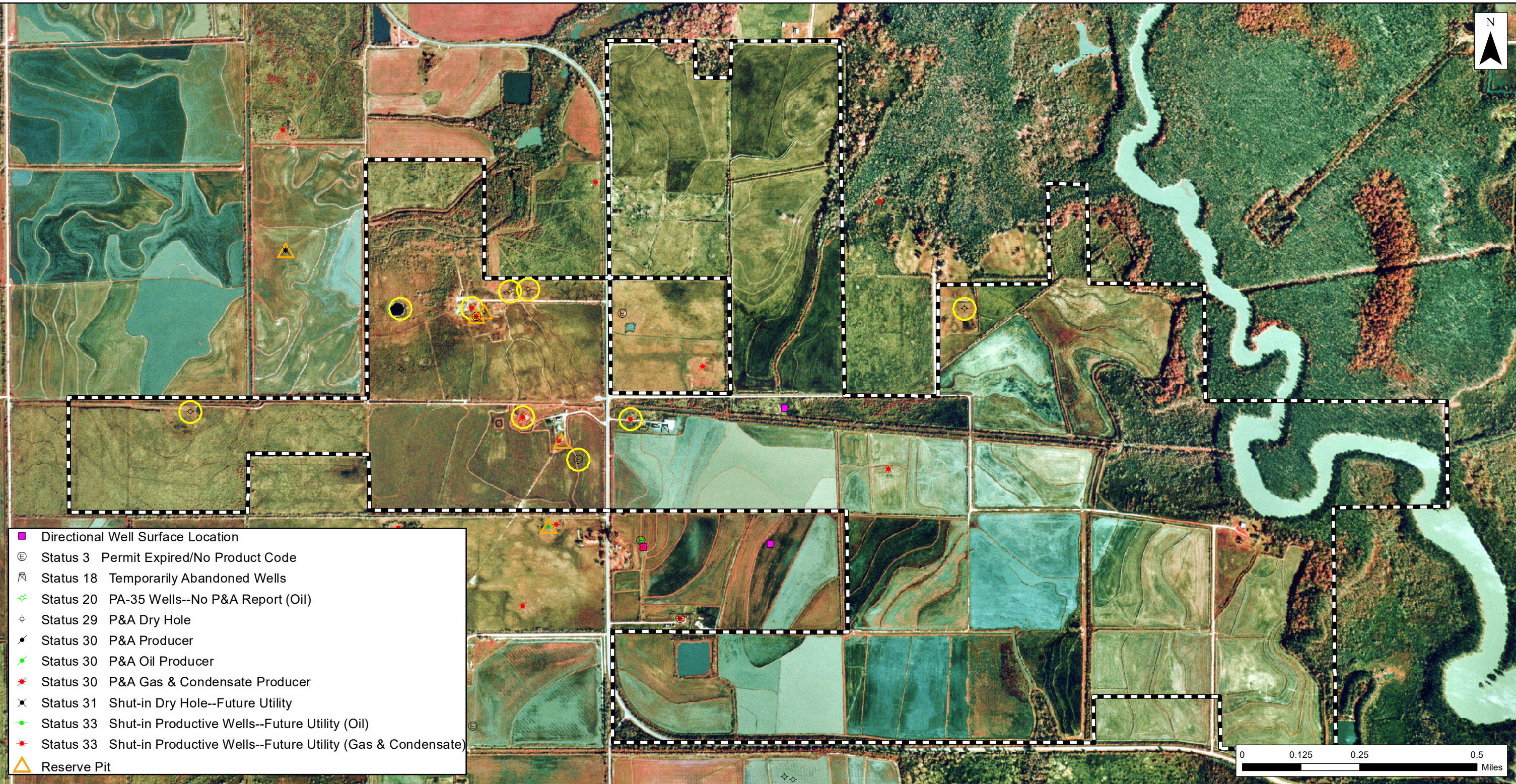
- Directional Well Surface Location
- ⊕ Status 3 Permit Expired/No Product Code
- ⊖ Status 18 Temporarily Abandoned Wells
- ⊕ Status 20 PA-35 Wells--No P&A Report (Oil)
- ⊕ Status 29 P&A Dry Hole
- ⊖ Status 30 P&A Producer
- ⊕ Status 30 P&A Oil Producer
- ⊕ Status 30 P&A Gas & Condensate Producer
- ⊖ Status 31 Shut-in Dry Hole--Future Utility
- ⊕ Status 33 Shut-in Productive Wells--Future Utility (Oil)
- ⊕ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ▭ Property
- Gulf/Chevron Well



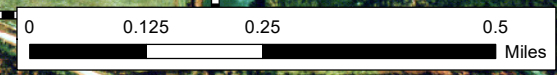
**Figure 44**  
**1995 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana

Notes:  
01-08-1995 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).



- Directional Well Surface Location
- ⊕ Status 3 Permit Expired/No Product Code
- ⊖ Status 18 Temporarily Abandoned Wells
- ⊕ Status 20 PA-35 Wells--No P&A Report (Oil)
- ⊕ Status 29 P&A Dry Hole
- ⊖ Status 30 P&A Producer
- ⊕ Status 30 P&A Oil Producer
- ⊕ Status 30 P&A Gas & Condensate Producer
- ⊖ Status 31 Shut-in Dry Hole--Future Utility
- ⊕ Status 33 Shut-in Productive Wells--Future Utility (Oil)
- ⊕ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

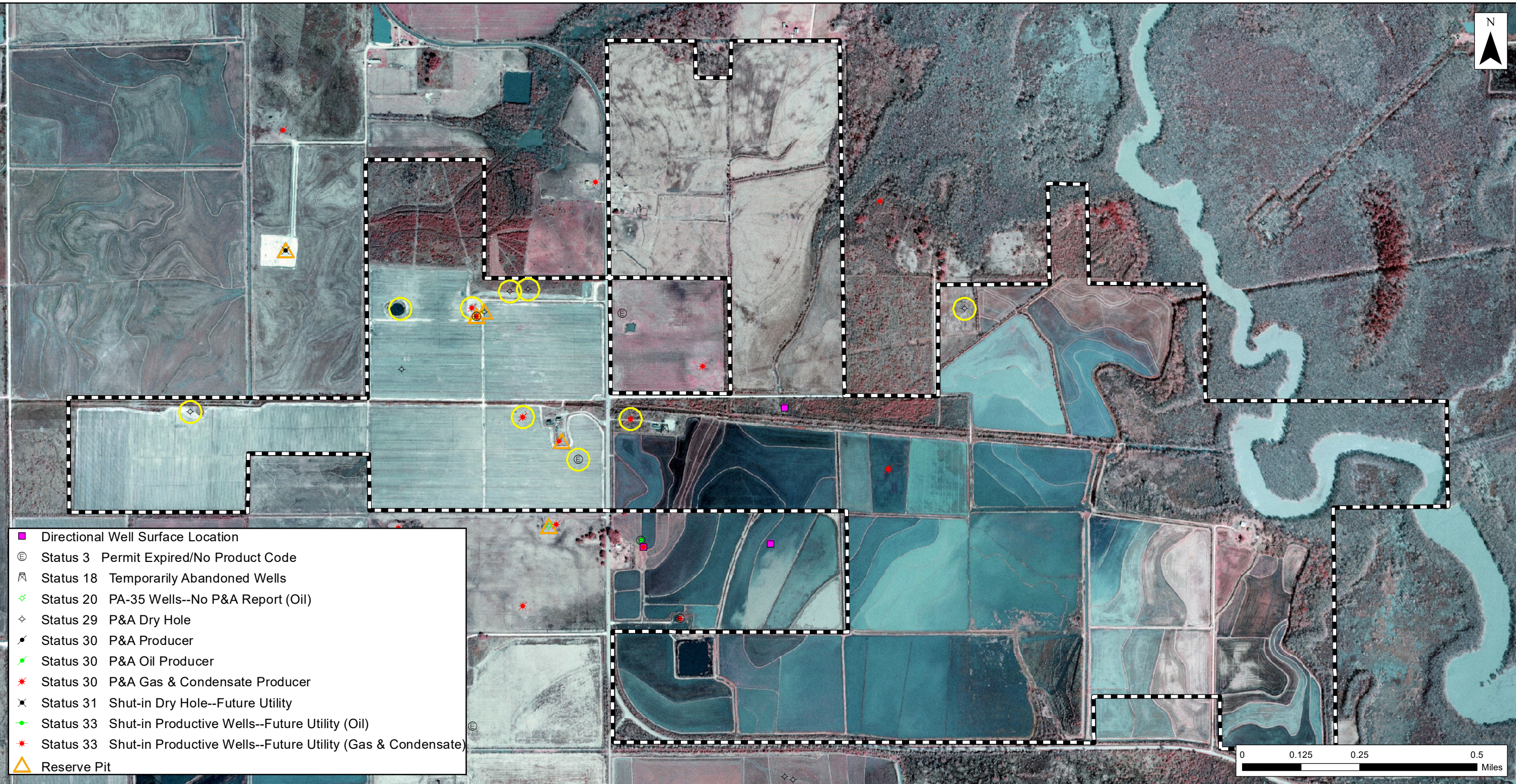
- ▭ Property
- Gulf/Chevron Well



**Figure 45**  
**1998 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

Notes:  
 03-02-1998 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).

Source: Esri - World Imagery Map; NAD 1983 UTM Zone 15N  
P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admissin Plan\046 2004 Aerial Photo.mxd, REVISED: 07/11/2022, SCALE: 1:13,032 when printed at 11x17  
DRAWN BY: MMS



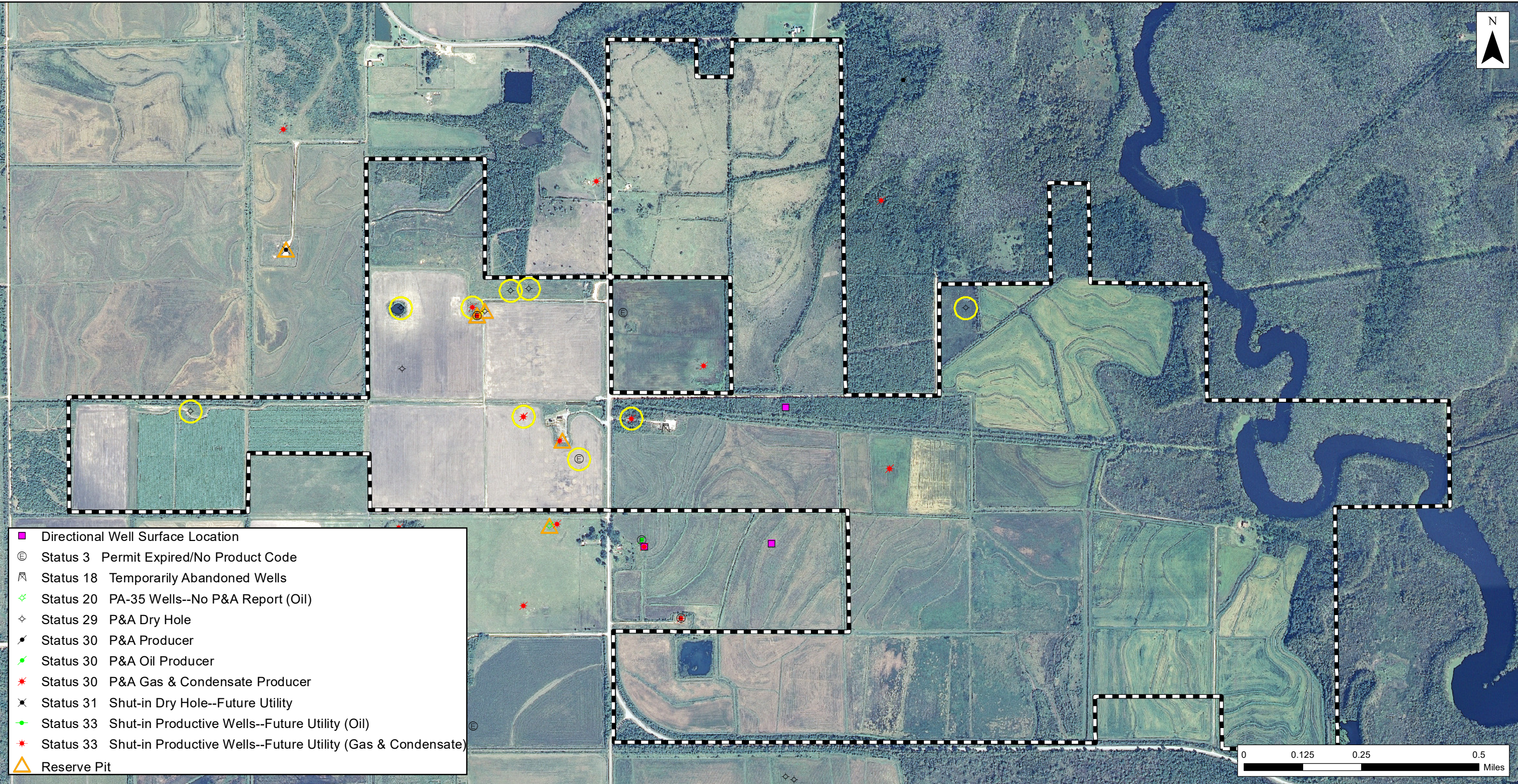
- Directional Well Surface Location
- ⊕ Status 3 Permit Expired/No Product Code
- ⊖ Status 18 Temporarily Abandoned Wells
- ✦ Status 20 PA-35 Wells--No P&A Report (Oil)
- ◇ Status 29 P&A Dry Hole
- ⚡ Status 30 P&A Producer
- ⚡ Status 30 P&A Oil Producer
- ★ Status 30 P&A Gas & Condensate Producer
- ✖ Status 31 Shut-in Dry Hole--Future Utility
- Status 33 Shut-in Productive Wells--Future Utility (Oil)
- ★ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ▭ Property
- Gulf/Chevron Well

Notes:  
02-21-2004 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).

**Figure 46**  
**2004 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana

Source: Esri - World Imagery Map; NAD 1983 UTM Zone 15N  
P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\047 2008 Aerial Photo.mxd, REVISED: 07/11/2022, SCALE: 1:13,032 when printed at 11x17  
DRAWN BY: MMS



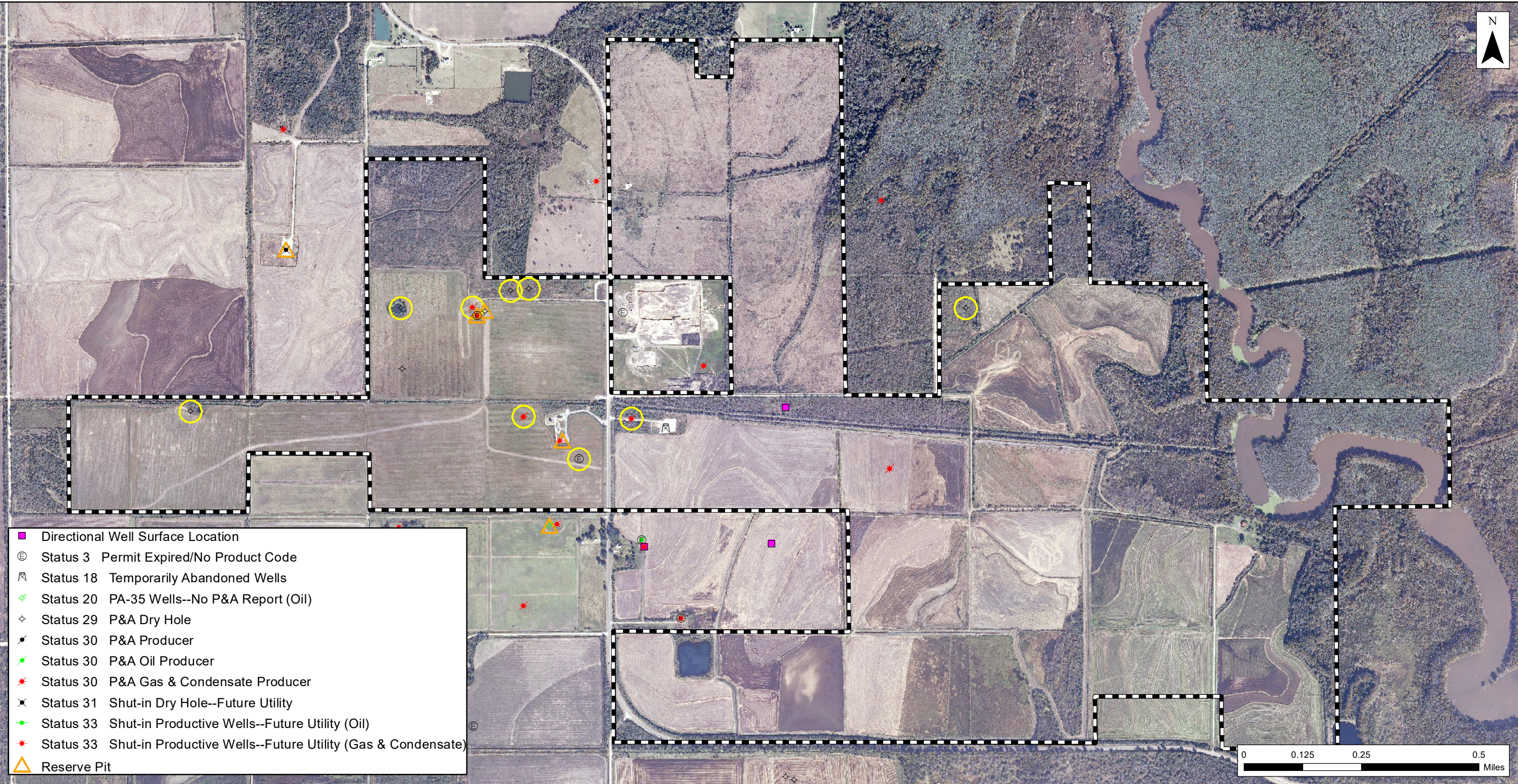
- Directional Well Surface Location
- ⓔ Status 3 Permit Expired/No Product Code
- △ Status 18 Temporarily Abandoned Wells
- ◇ Status 20 PA-35 Wells--No P&A Report (Oil)
- ◇ Status 29 P&A Dry Hole
- Status 30 P&A Producer
- Status 30 P&A Oil Producer
- ★ Status 30 P&A Gas & Condensate Producer
- ✕ Status 31 Shut-in Dry Hole--Future Utility
- Status 33 Shut-in Productive Wells--Future Utility (Oil)
- ★ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ⎓ Property
- Gulf/Chevron Well

Notes:  
10-01-2008 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).

**Figure 47**  
**2008 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana

P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admissin Plan\048 2012 Aerial Photo.mxd, REVISED: 07/11/2022, SCALE: 1:13,032 when printed at 11x17  
DRAWN BY: MMS



- Directional Well Surface Location
- ⓔ Status 3 Permit Expired/No Product Code
- ▲ Status 18 Temporarily Abandoned Wells
- ★ Status 20 PA-35 Wells--No P&A Report (Oil)
- ◆ Status 29 P&A Dry Hole
- ★ Status 30 P&A Producer
- ★ Status 30 P&A Oil Producer
- ★ Status 30 P&A Gas & Condensate Producer
- ★ Status 31 Shut-in Dry Hole--Future Utility
- ★ Status 33 Shut-in Productive Wells--Future Utility (Oil)
- ★ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- ▲ Reserve Pit

- ▬ Property
- Gulf/Chevron Well

Notes:  
09-11-2012 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).

**Figure 48**  
**2012 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana





- Directional Well Surface Location
- ⊖ Status 3 Permit Expired/No Product Code
- ⚑ Status 18 Temporarily Abandoned Wells
- ✦ Status 20 PA-35 Wells--No P&A Report (Oil)
- ⊕ Status 29 P&A Dry Hole
- ⚡ Status 30 P&A Producer
- ⚡ Status 30 P&A Oil Producer
- ⚡ Status 30 P&A Gas & Condensate Producer
- ✖ Status 31 Shut-in Dry Hole--Future Utility
- ⚡ Status 33 Shut-in Productive Wells--Future Utility (Oil)
- ⚡ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ▭ Property
- Gulf/Chevron Well

Notes:  
 09-11-2017 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).

**Figure 49**  
**2017 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



Notes:  
 09-05-2019 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).

**Figure 50**  
**2019 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admissin Plan\051 High Resolution Imagery Basemap.mxd. REVISED: 07/11/2022. SCALE: 1:13,032 when printed at 11x17  
DRAWN BY: MMS



- Directional Well Surface Location
- ⊕ Status 3 Permit Expired/No Product Code
- ⊗ Status 18 Temporarily Abandoned Wells
- ⊕ Status 20 PA-35 Wells--No P&A Report (Oil)
- ⊕ Status 29 P&A Dry Hole
- ⊕ Status 30 P&A Producer
- ⊕ Status 30 P&A Oil Producer
- ⊕ Status 30 P&A Gas & Condensate Producer
- ⊕ Status 31 Shut-in Dry Hole--Future Utility
- ⊕ Status 33 Shut-in Productive Wells--Future Utility (Oil)
- ⊕ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ⬜ Property
- Gulf/Chevron Well

Notes:  
01-18-2021 Aerial from the ESRI ArcGIS Online

**Figure 51**  
**High Resolution Imagery Basemap**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana



- Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

- Status 3 Permit Expired/No Product Code
- Status 29 P&A Dry Hole
- Status 30 P&A Gas & Condensate Producer
- Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- Reserve Pit

Notes:  
 03-31-1940 Aerial from the LSU Cartographic Information Center (<http://www.cic.lsu.edu/aerial.htm>).

**Figure 52**  
**Areas 2 & 4 - 1940 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



- Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

- Status 3 Permit Expired/No Product Code
- Status 29 P&A Dry Hole
- Status 30 P&A Gas & Condensate Producer
- Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- Reserve Pit

Notes:  
 01-15-1951 and 01-16-1951 Aerials from the LSU  
 Cartographic Information Center  
 (<http://www.cic.lsu.edu/aerial.htm>).

**Figure 53**  
**Areas 2 & 4 - 1951 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



- Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

- Status 3 Permit Expired/No Product Code
- Status 29 P&A Dry Hole
- Status 30 P&A Gas & Condensate Producer
- Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- Reserve Pit

Notes:  
 02-28-1957 Aerial from the LSU Cartographic Information Center (<http://www.cic.lsu.edu/aerial.htm>).

**Figure 54**  
**Areas 2 & 4 - 1957 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

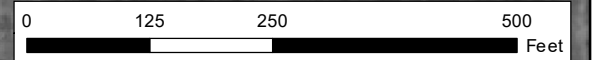


- Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

- Status 3 Permit Expired/No Product Code
- Status 29 P&A Dry Hole
- Status 30 P&A Gas & Condensate Producer
- Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- Reserve Pit

Notes:  
 03-27-1962 Aerial from the LSU Cartographic Information Center (<http://www.cic.lsu.edu/aerial.htm>).

**Figure 55**  
**Areas 2 & 4 - 1962 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



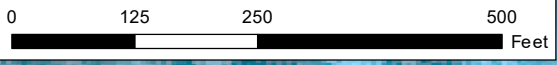
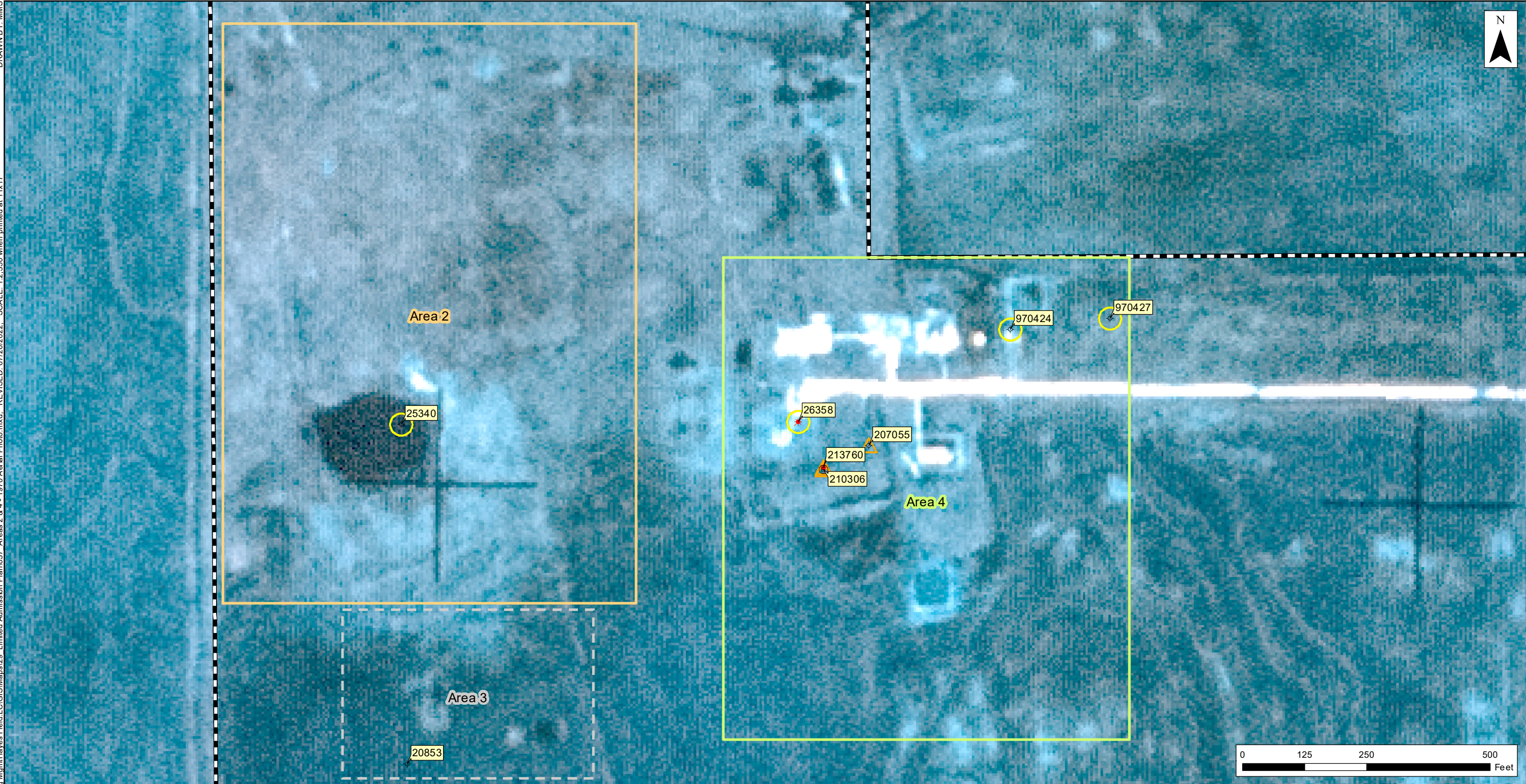
- Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

- Status 3 Permit Expired/No Product Code
- Status 29 P&A Dry Hole
- Status 30 P&A Gas & Condensate Producer
- Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- Reserve Pit

Notes:  
 10-25-1968 Aerial from the LSU Cartographic Information Center (<http://www.cic.lsu.edu/aerial.htm>).

**Figure 56**  
**Areas 2 & 4 - 1968 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana





- Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

- Status 3 Permit Expired/No Product Code
- Status 29 P&A Dry Hole
- Status 30 P&A Gas & Condensate Producer
- Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- Reserve Pit

Notes:  
 11-16-1970 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).

**Figure 57**  
**Areas 2 & 4 - 1970 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

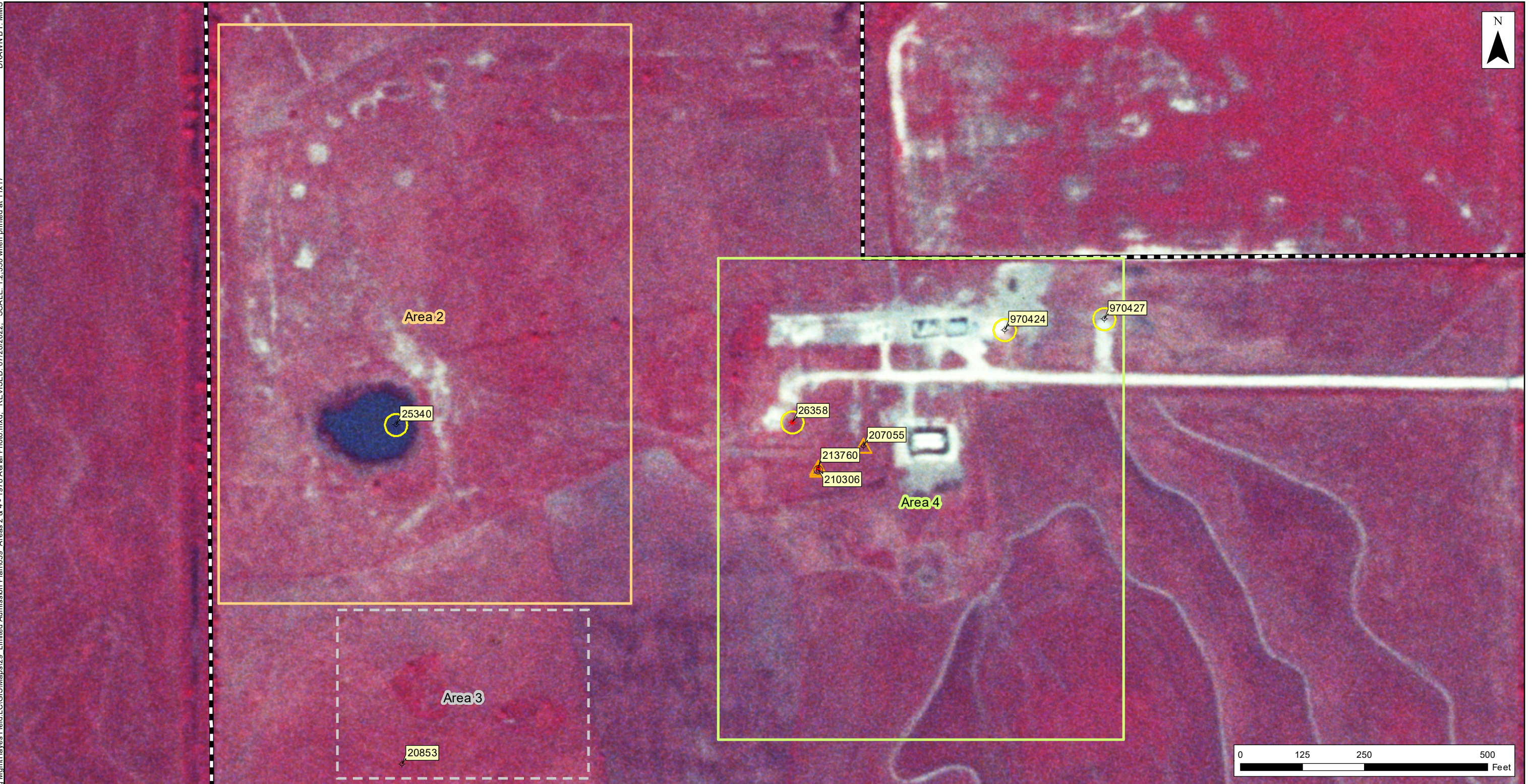


- Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

- Status 3 Permit Expired/No Product Code
- Status 29 P&A Dry Hole
- Status 30 P&A Gas & Condensate Producer
- Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- Reserve Pit

Notes:  
 02-13-1971 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).

**Figure 58**  
**Areas 2 & 4 - 1971 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



- Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

- Status 3 Permit Expired/No Product Code
- Status 29 P&A Dry Hole
- Status 30 P&A Gas & Condensate Producer
- Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- Reserve Pit

Notes:  
 10-09-1978 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).

**Figure 59**  
**Areas 2 & 4 - 1978 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

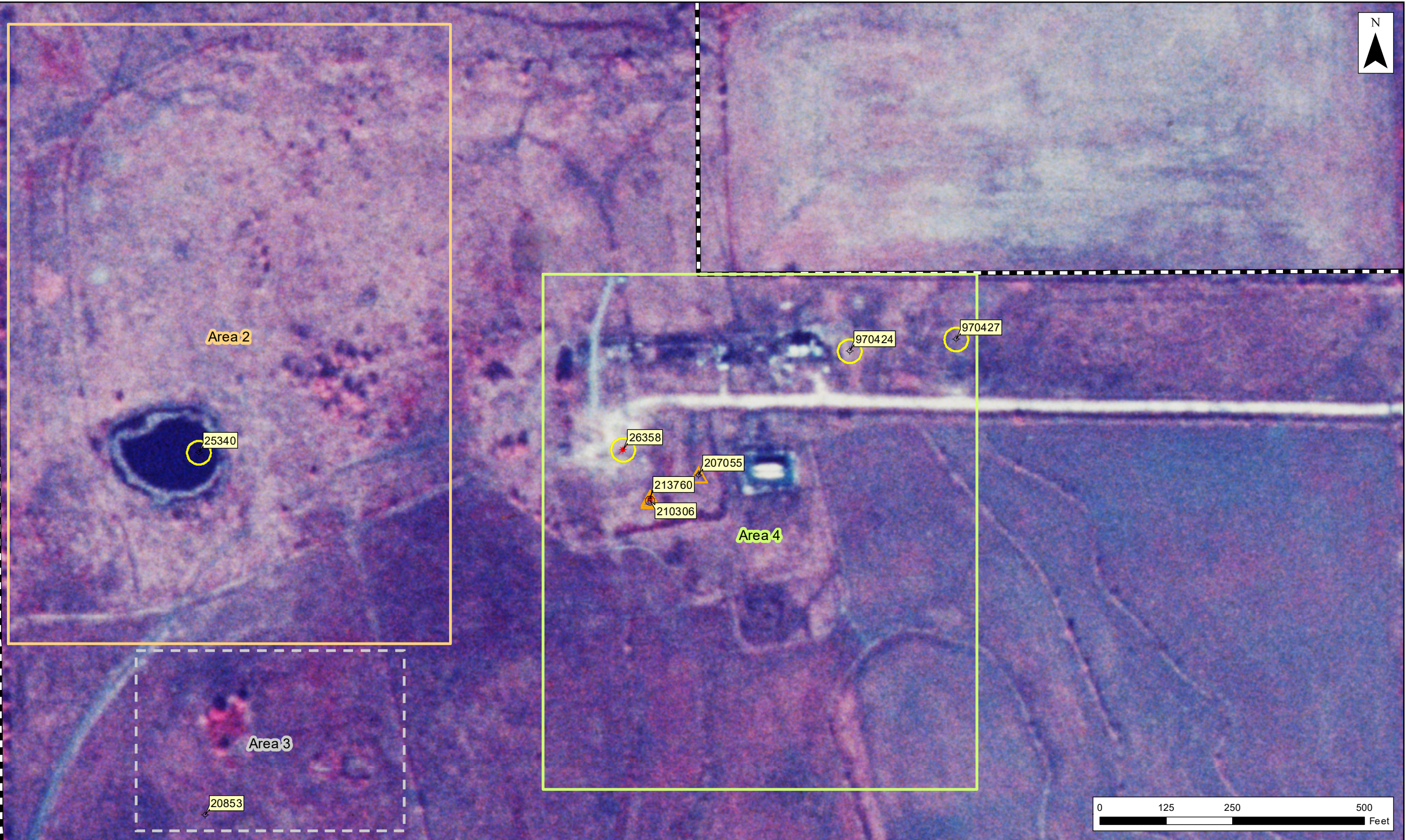


- Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

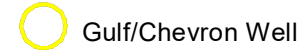
- Status 3 Permit Expired/No Product Code
- Status 29 P&A Dry Hole
- Status 30 P&A Gas & Condensate Producer
- Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- Reserve Pit

Notes:  
01-01-1981 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).

**Figure 60**  
**Areas 2 & 4 - 1981 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana



Property



Gulf/Chevron Well

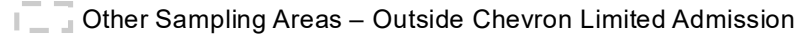
**Chevron Limited Admission Areas**



Area 2



Area 4



Other Sampling Areas – Outside Chevron Limited Admission

⊕ Status 3 Permit Expired/No Product Code

⚡ Status 29 P&A Dry Hole

★ Status 30 P&A Gas & Condensate Producer

★ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)

▲ Reserve Pit

**Notes:**

12-14-1985 Aerial from the USGS Earth Explorer (<https://earthexplorer.usgs.gov/>).

**Figure 61**

**Areas 2 & 4 - 1985 Aerial Photo**

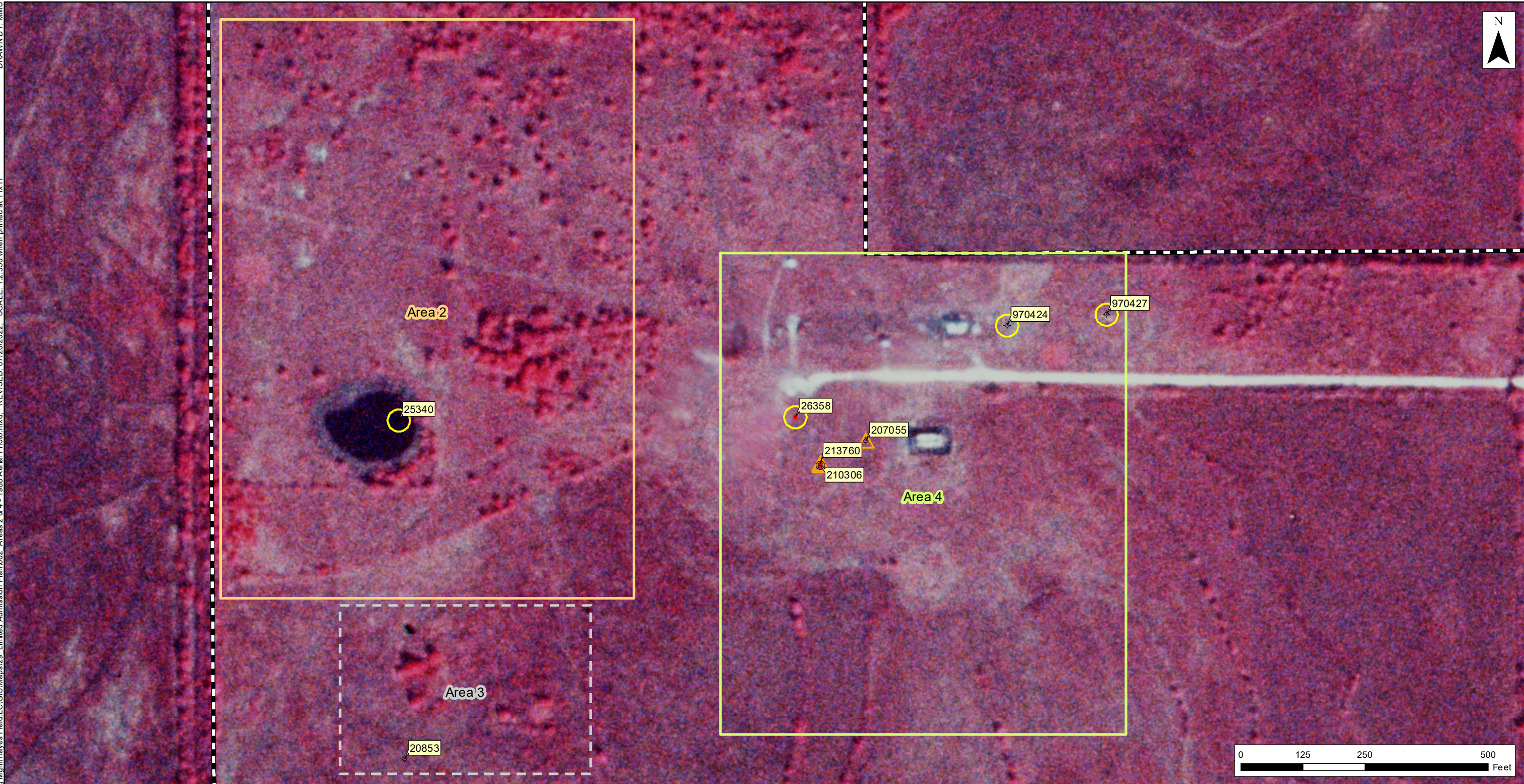
Henning Management, L.L.C. v.

Chevron U.S.A. Inc., et al.

Hayes Oil & Gas Field

Calcasieu and Jefferson Davis Parishes, Louisiana



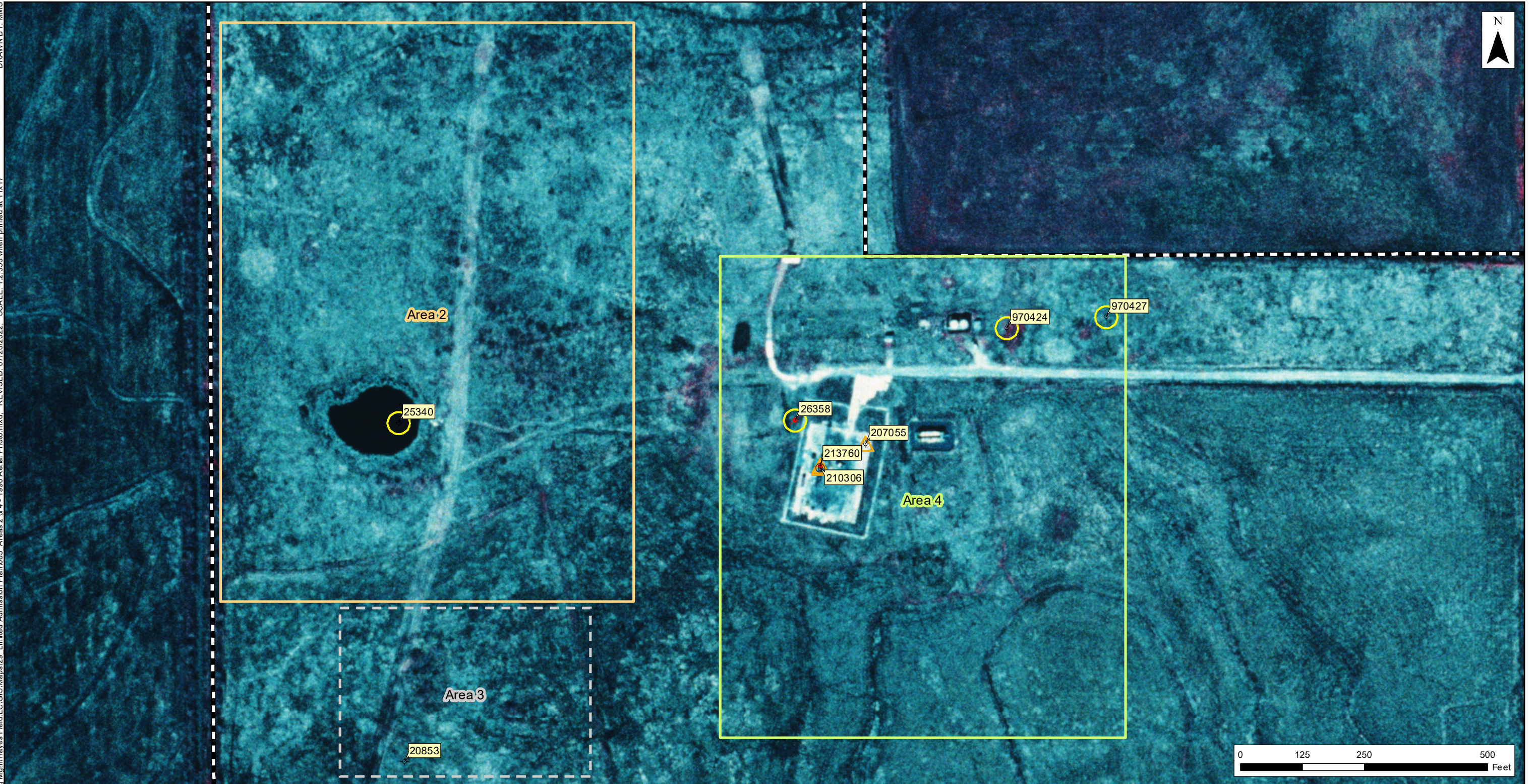


- Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

- Status 3 Permit Expired/No Product Code
- Status 29 P&A Dry Hole
- Status 30 P&A Gas & Condensate Producer
- Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- Reserve Pit

Notes:  
11-07-1988 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).

**Figure 62**  
**Areas 2 & 4 - 1988 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana

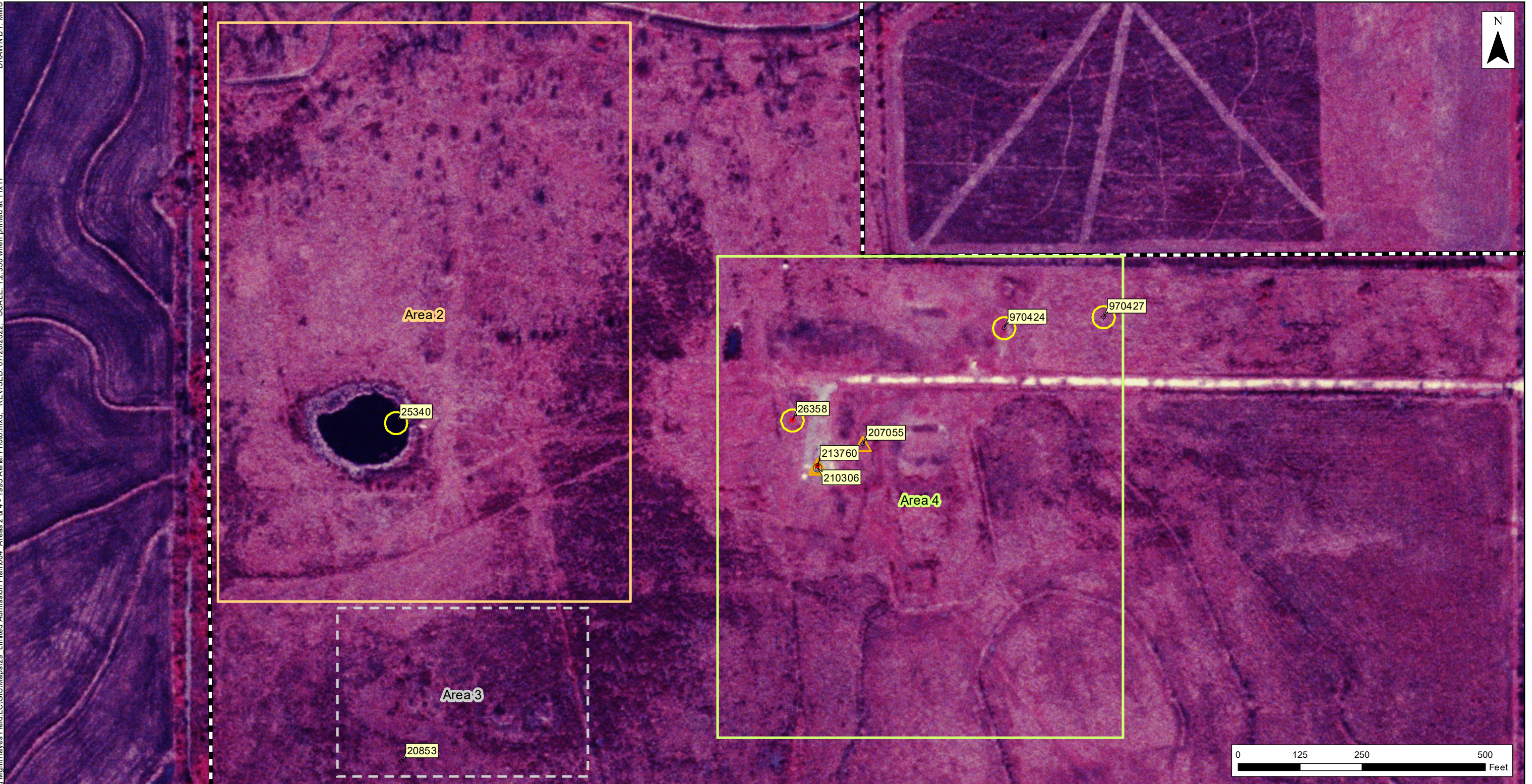


- Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

- Status 3 Permit Expired/No Product Code
- Status 29 P&A Dry Hole
- Status 30 P&A Gas & Condensate Producer
- Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- Reserve Pit

Notes:  
 02-20-1990 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).

**Figure 63**  
**Areas 2 & 4 - 1990 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



- Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

- Status 3 Permit Expired/No Product Code
  - Status 29 P&A Dry Hole
  - Status 30 P&A Gas & Condensate Producer
  - Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
  - Reserve Pit
- Notes:  
 01-08-1995 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).

**Figure 64**  
**Areas 2 & 4 - 1995 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



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P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\065 Areas 2 & 4 - 1998 Aerial Photo.mxd. REVISED: 07/26/2022. SCALE: 1:2,350 when printed at 11x17



- Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

- Status 3 Permit Expired/No Product Code
- Status 29 P&A Dry Hole
- Status 30 P&A Gas & Condensate Producer
- Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- Reserve Pit

Notes:  
03-02-1998 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).

**Figure 65**  
**Areas 2 & 4 - 1998 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana



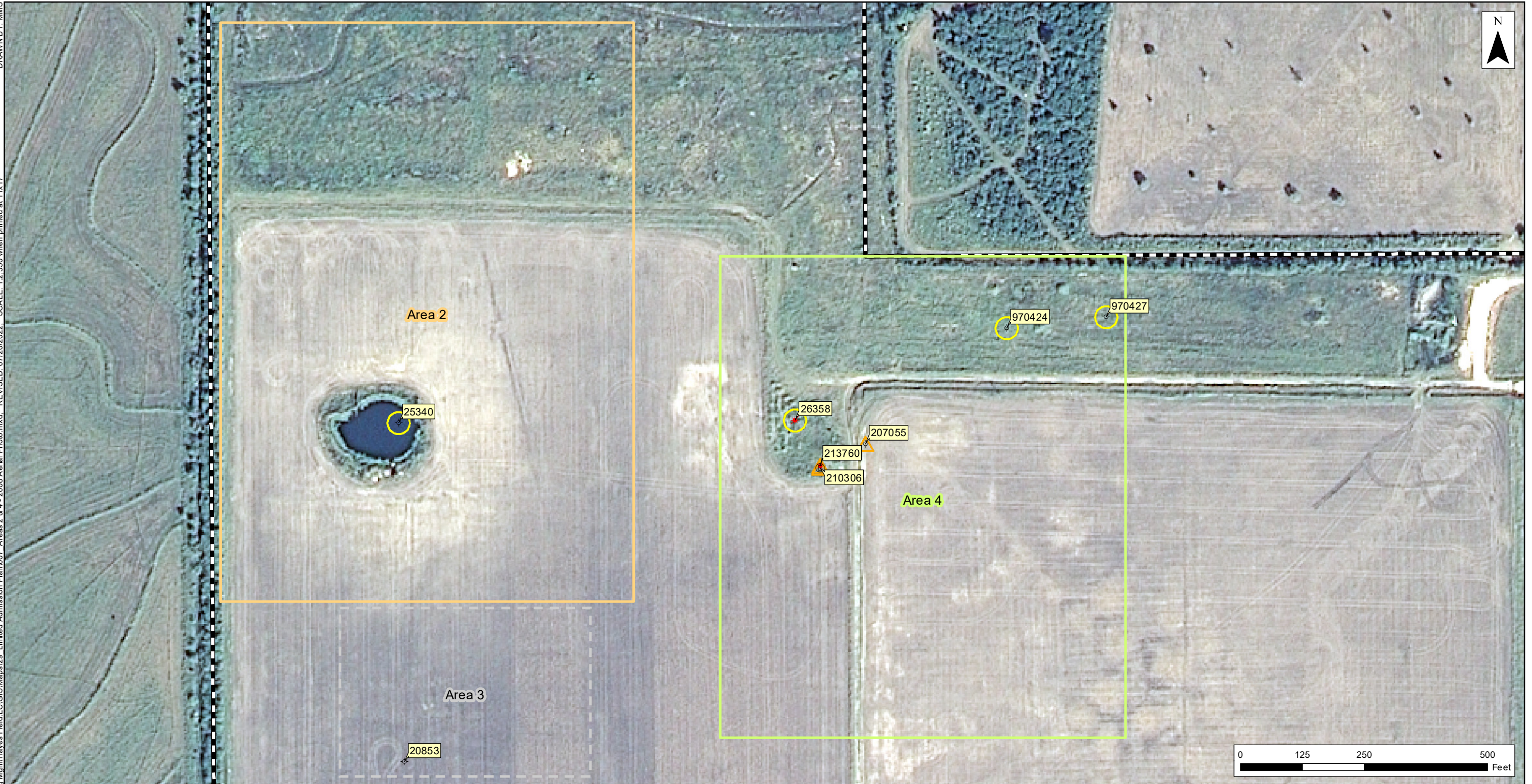
- Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

- Status 3 Permit Expired/No Product Code
- Status 29 P&A Dry Hole
- Status 30 P&A Gas & Condensate Producer
- Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- Reserve Pit

Notes:  
 02-21-2004 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).

**Figure 66**  
**Areas 2 & 4 - 2004 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admissin Plan\067 Areas 2 & 4 - 2008 Aerial Photo.mxd. REVISED: 07/26/2022. SCALE: 1:2,350 when printed at 11x17  
 DRAWN BY: MMS

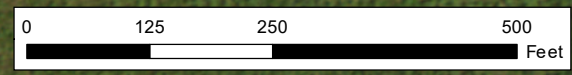
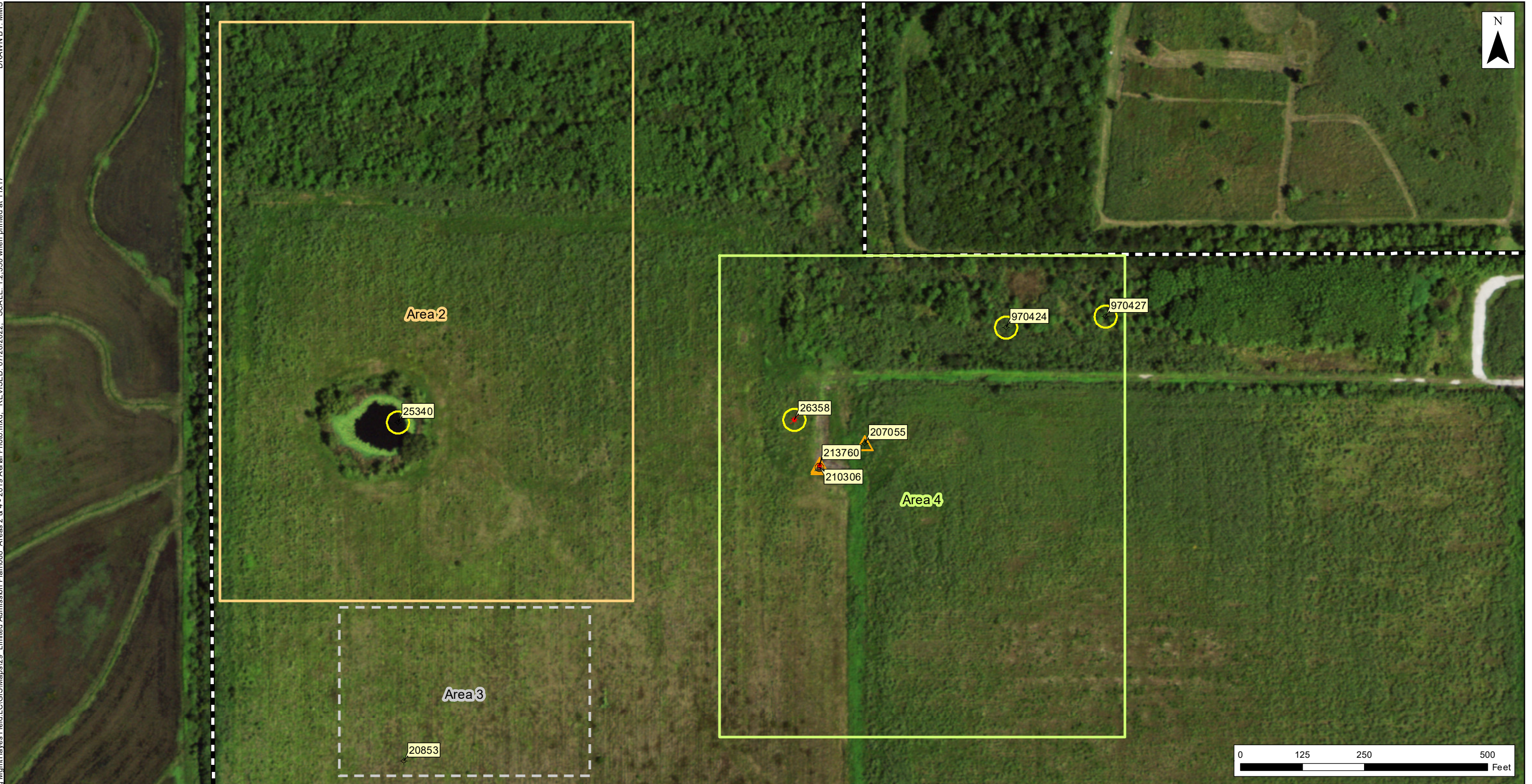


- Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

- Status 3 Permit Expired/No Product Code
- Status 29 P&A Dry Hole
- Status 30 P&A Gas & Condensate Producer
- Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- Reserve Pit

Notes:  
 10-01-2008 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).

**Figure 67**  
**Areas 2 & 4 - 2008 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana








- Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

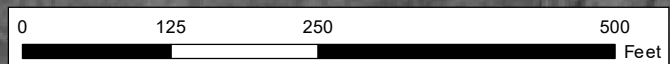
- Status 3 Permit Expired/No Product Code
- Status 29 P&A Dry Hole
- Status 30 P&A Gas & Condensate Producer
- Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- Reserve Pit






Notes:  
 09-05-2019 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).

**Figure 68**  
**Areas 2 & 4 - 2019 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



-  Status 3 Permit Expired/No Product Code
-  Status 18 Temporarily Abandoned Wells
-  Status 30 P&A Gas & Condensate Producer
-  Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
-  Reserve Pit



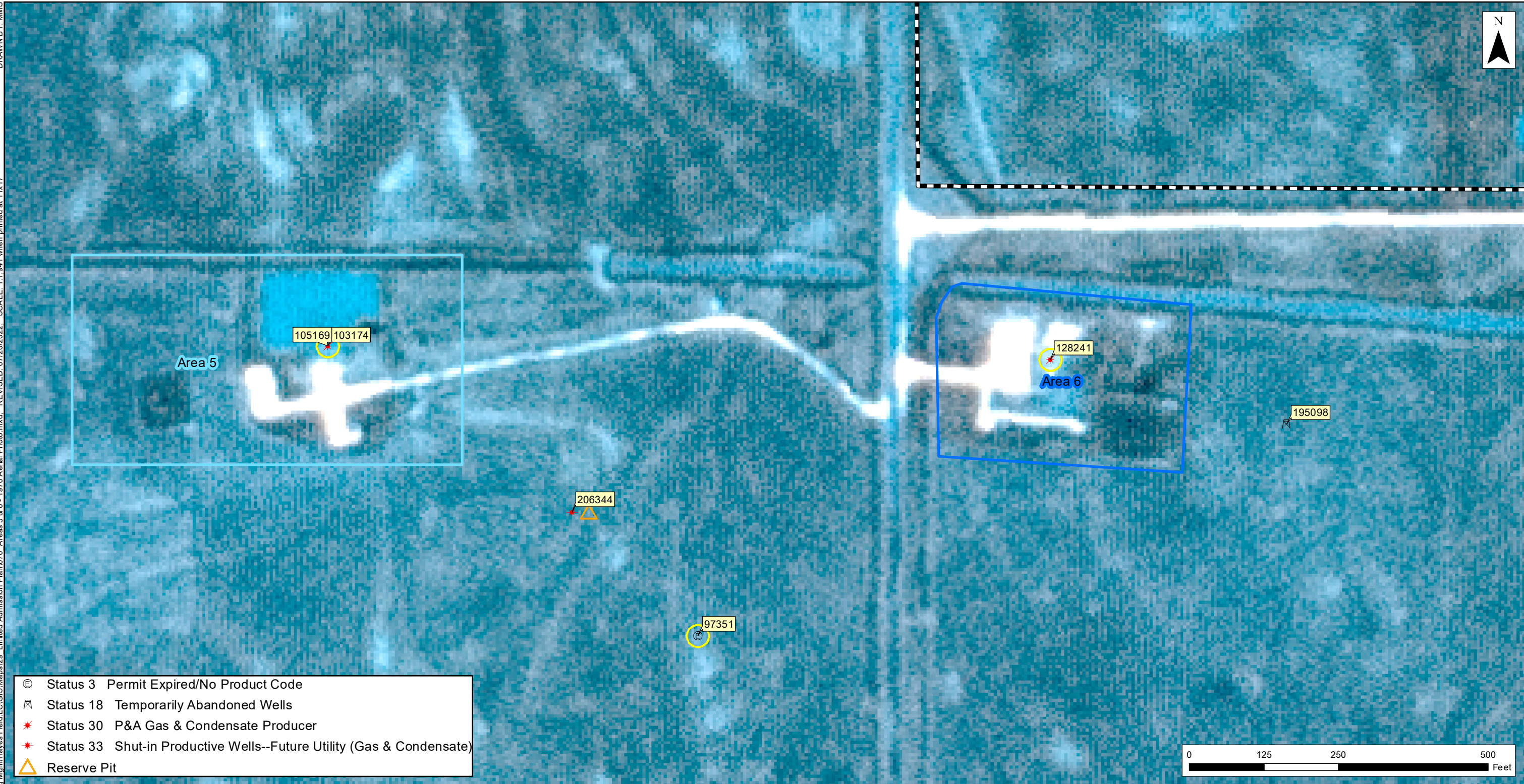
-  Property
-  Gulf/Chevron Well
- Chevron Limited Admission Areas**
-  Area 5
-  Area 6
-  Other Sampling Areas – Outside Chevron Limited Admission

Notes:  
 10-25-1968 Aerial from the LSU Cartographic Information Center (<http://www.cic.lsu.edu/aerial.htm>).

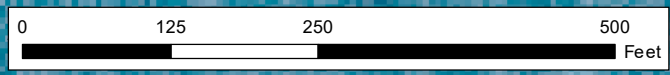
**Figure 69**  
**Areas 5 & 6 - 1968 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admissio Plan\070 Areas 5 & 6 - 1970 Aerial Photo.mxd. REVISED: 07/26/2022. SCALE: 1:1,941 when printed at 11x17

DRAWN BY: MMS



- ⊕ Status 3 Permit Expired/No Product Code
- ⚑ Status 18 Temporarily Abandoned Wells
- ★ Status 30 P&A Gas & Condensate Producer
- ★ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

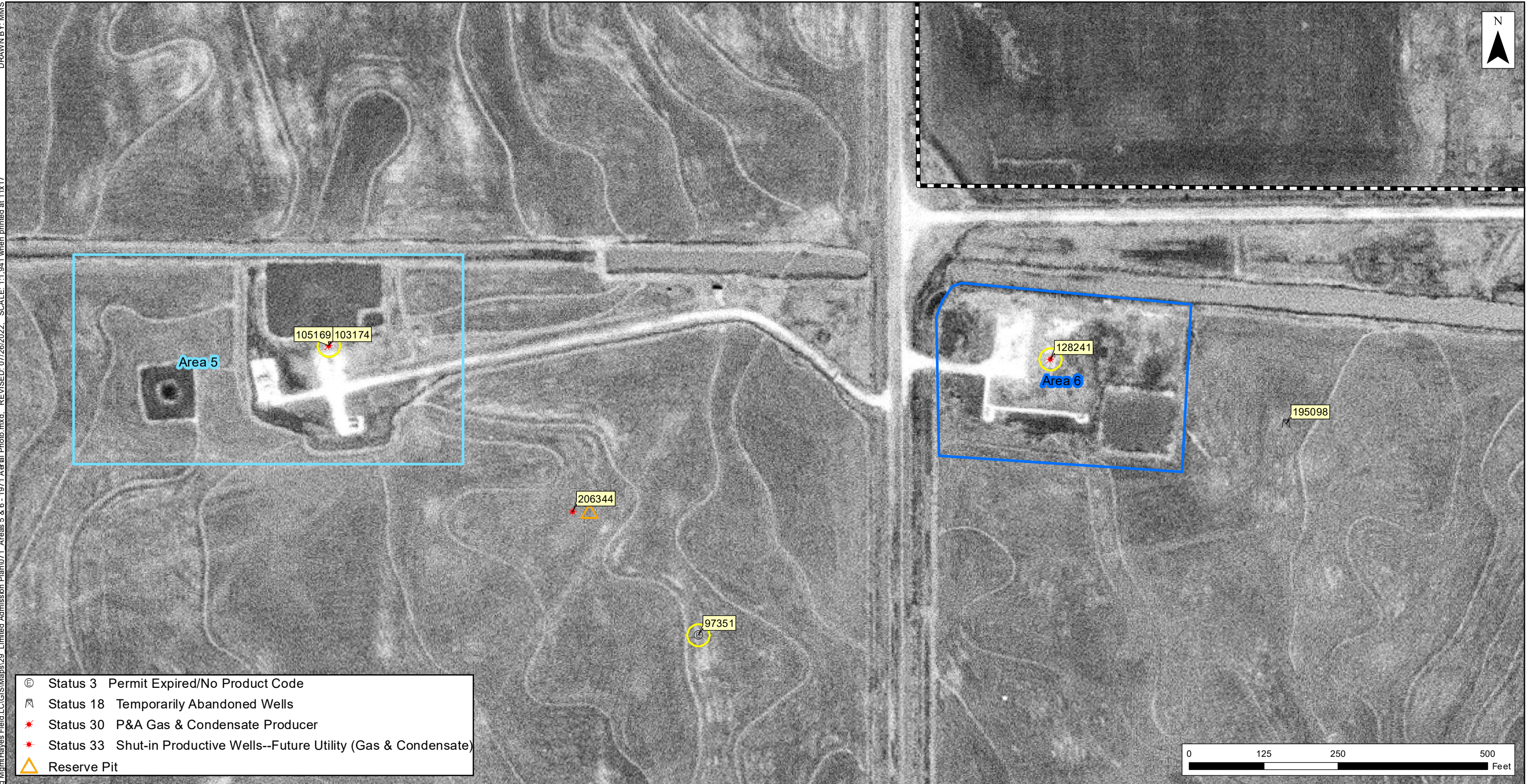


- ▭ Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- ▭ Area 5
- ▭ Area 6
- ▭ Other Sampling Areas – Outside Chevron Limited Admission

Notes:  
 11-16-1970 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).

**Figure 70**  
**Areas 5 & 6 - 1970 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\071 Areas 5 & 6 - 1971 Aerial Photo.mxd. REVISED: 07/26/2022. SCALE: 1:1,941 when printed at 11x17  
DRAWN BY: MMS



- ⊕ Status 3 Permit Expired/No Product Code
- ⚑ Status 18 Temporarily Abandoned Wells
- ★ Status 30 P&A Gas & Condensate Producer
- ★ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

▭ Property

○ Gulf/Chevron Well

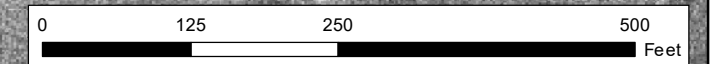
**Chevron Limited Admission Areas**

□ Area 5

□ Area 6

□ Other Sampling Areas – Outside Chevron Limited Admission

Notes:  
02-13-1971 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).



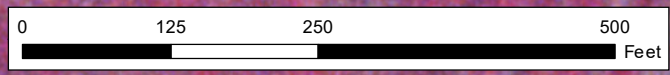
**Figure 71**  
**Areas 5 & 6 - 1971 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana

Source: Esri - World Imagery Map; NAD 1983 UTM Zone 15N  
P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\072 Areas 5 & 6 - 1978 Aerial Photo.mxd. REVISED: 07/26/2022. SCALE: 1:1,941 when printed at 11x17  
DRAWN BY: MMS



- ⊕ Status 3 Permit Expired/No Product Code
- ⚑ Status 18 Temporarily Abandoned Wells
- ★ Status 30 P&A Gas & Condensate Producer
- ★ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ▭ Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- ▭ Area 5
- ▭ Area 6
- ▭ Other Sampling Areas – Outside Chevron Limited Admission



Notes:  
10-09-1978 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).

**Figure 72**  
**Areas 5 & 6 - 1978 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana



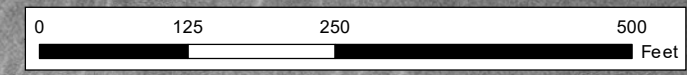
DRAWN BY: MMS  
 P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\073 Areas 5 & 6 - 1981 Aerial Photo.mxd. REVISED: 07/26/2022. SCALE: 1:1,941 when printed at 11x17



- ⊕ Status 3 Permit Expired/No Product Code
- ⚑ Status 18 Temporarily Abandoned Wells
- ★ Status 30 P&A Gas & Condensate Producer
- ★ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ▭ Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 5
- Area 6
- ▭ Other Sampling Areas – Outside Chevron Limited Admission

Notes:  
 01-01-1981 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).



**Figure 73**  
**Areas 5 & 6 - 1981 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\074 Areas 5 & 6 - 1985 Aerial Photo.mxd. REVISED: 07/26/2022. SCALE: 1:1,941 when printed at 11x17  
DRAWN BY: MMS



- ⊕ Status 3 Permit Expired/No Product Code
- ⚑ Status 18 Temporarily Abandoned Wells
- ★ Status 30 P&A Gas & Condensate Producer
- ★ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

▭ Property

○ Gulf/Chevron Well

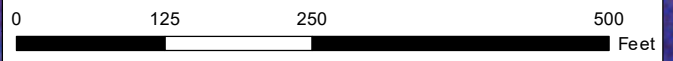
**Chevron Limited Admission Areas**

▭ Area 5

▭ Area 6

▭ Other Sampling Areas – Outside Chevron Limited Admission

Notes:  
12-14-1985 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).



**Figure 74**  
**Areas 5 & 6 - 1985 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana

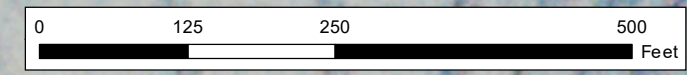
P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\075 Areas 5 & 6 - 1988 Aerial Photo.mxd. REVISED: 07/26/2022. SCALE: 1:1,941 when printed at 11x17  
DRAWN BY: MMS



- ⊕ Status 3 Permit Expired/No Product Code
- ⚑ Status 18 Temporarily Abandoned Wells
- ★ Status 30 P&A Gas & Condensate Producer
- ★ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ▭ Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- ▭ Area 5
- ▭ Area 6
- ▭ Other Sampling Areas – Outside Chevron Limited Admission

Notes:  
11-07-1988 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).



**Figure 75**  
**Areas 5 & 6 - 1988 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana

P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\076 Areas 5 & 6 - 1990 Aerial Photo.mxd. REVISED: 07/26/2022. SCALE: 1:1,941 when printed at 11x17  
DRAWN BY: MMS



- ⊕ Status 3 Permit Expired/No Product Code
- ⚑ Status 18 Temporarily Abandoned Wells
- ★ Status 30 P&A Gas & Condensate Producer
- ★ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

▭ Property

○ Gulf/Chevron Well

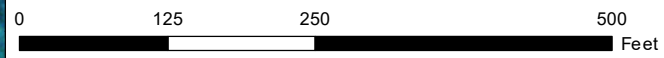
**Chevron Limited Admission Areas**

□ Area 5

□ Area 6

▭ Other Sampling Areas – Outside Chevron Limited Admission

Notes:  
02-20-1990 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).



**Figure 76**  
**Areas 5 & 6 - 1990 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana

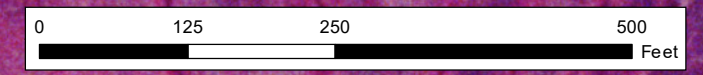
DRAWN BY: MMS  
 P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\077 Areas 5 & 6 - 1995 Aerial Photo.mxd. REVISED: 07/26/2022. SCALE: 1:1,941 when printed at 11x17



- ⊕ Status 3 Permit Expired/No Product Code
- ⚑ Status 18 Temporarily Abandoned Wells
- ★ Status 30 P&A Gas & Condensate Producer
- ★ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ▭ Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 5
- Area 6
- ▭ Other Sampling Areas – Outside Chevron Limited Admission

Notes:  
 01-08-1995 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).



**Figure 77**  
**Areas 5 & 6 - 1995 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

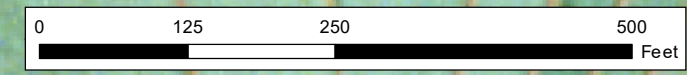
DRAWN BY: MMS  
 P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\078 Areas 5 & 6 - 1998 Aerial Photo.mxd. REVISED: 07/26/2022. SCALE: 1:1,941 when printed at 11x17



- ⊕ Status 3 Permit Expired/No Product Code
- ⚑ Status 18 Temporarily Abandoned Wells
- ★ Status 30 P&A Gas & Condensate Producer
- ★ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ▭ Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- ▭ Area 5
- ▭ Area 6
- ▭ Other Sampling Areas – Outside Chevron Limited Admission

Notes:  
 03-02-1998 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).



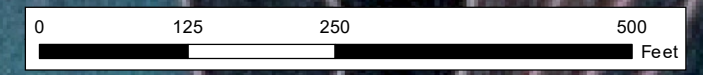
**Figure 78**  
**Areas 5 & 6 - 1998 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



- ⊕ Status 3 Permit Expired/No Product Code
- ⚑ Status 18 Temporarily Abandoned Wells
- ★ Status 30 P&A Gas & Condensate Producer
- ★ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ▭ Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 5
- Area 6
- Other Sampling Areas – Outside Chevron Limited Admission

Notes:  
 02-21-2004 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).



**Figure 79**  
**Areas 5 & 6 - 2004 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\080 Areas 5 & 6 - 2008 Aerial Photo.mxd. REVISED: 07/26/2022. SCALE: 1:1,941 when printed at 11x17

DRAWN BY: MMS

P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\080 Areas 5 & 6 - 2008 Aerial Photo.mxd. REVISED: 07/26/2022. SCALE: 1:1,941 when printed at 11x17

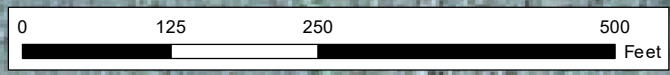
Source: Esri - World Imagery Map; NAD 1983 UTM Zone 15N



- ⊕ Status 3 Permit Expired/No Product Code
- ⊕ Status 18 Temporarily Abandoned Wells
- ★ Status 30 P&A Gas & Condensate Producer
- ★ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ▭ Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 5
- Area 6
- ▭ Other Sampling Areas – Outside Chevron Limited Admission

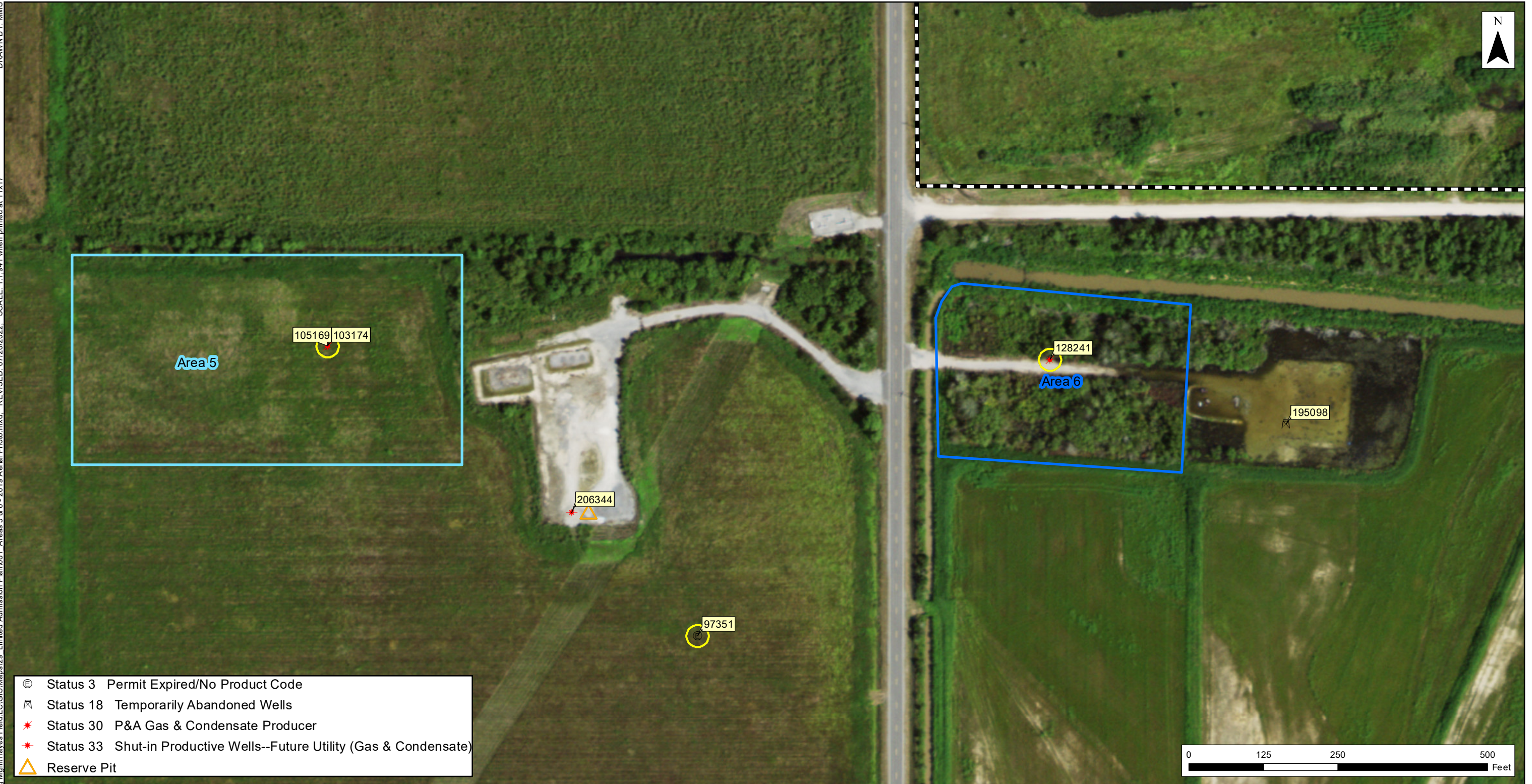
Notes:  
 10-01-2008 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).



**Figure 80**  
**Areas 5 & 6 - 2008 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

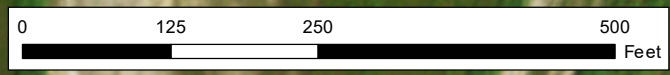


P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admissio Plan\081 Areas 5 & 6 - 2019 Aerial Photo.mxd. REVISED: 07/26/2022. SCALE: 1:1,941 when printed at 11x17  
DRAWN BY: MMS



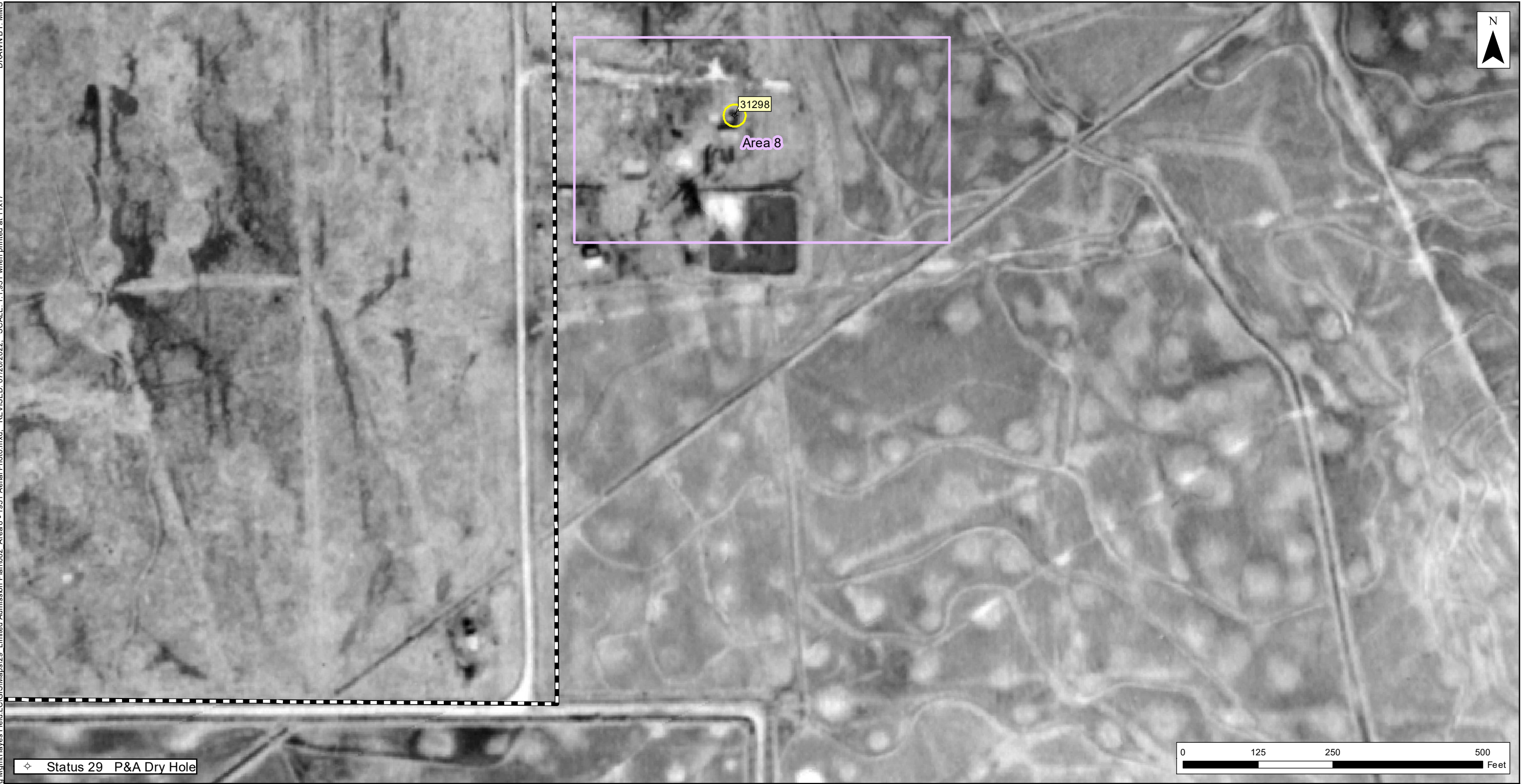
- ⊕ Status 3 Permit Expired/No Product Code
- ⚑ Status 18 Temporarily Abandoned Wells
- ★ Status 30 P&A Gas & Condensate Producer
- ★ Status 33 Shut-in Productive Wells--Future Utility (Gas & Condensate)
- △ Reserve Pit

- ▭ Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- ▭ Area 5
- ▭ Area 6

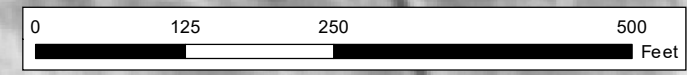





Notes:  
09-05-2019 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).

**Figure 81**  
**Areas 5 & 6 - 2019 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana



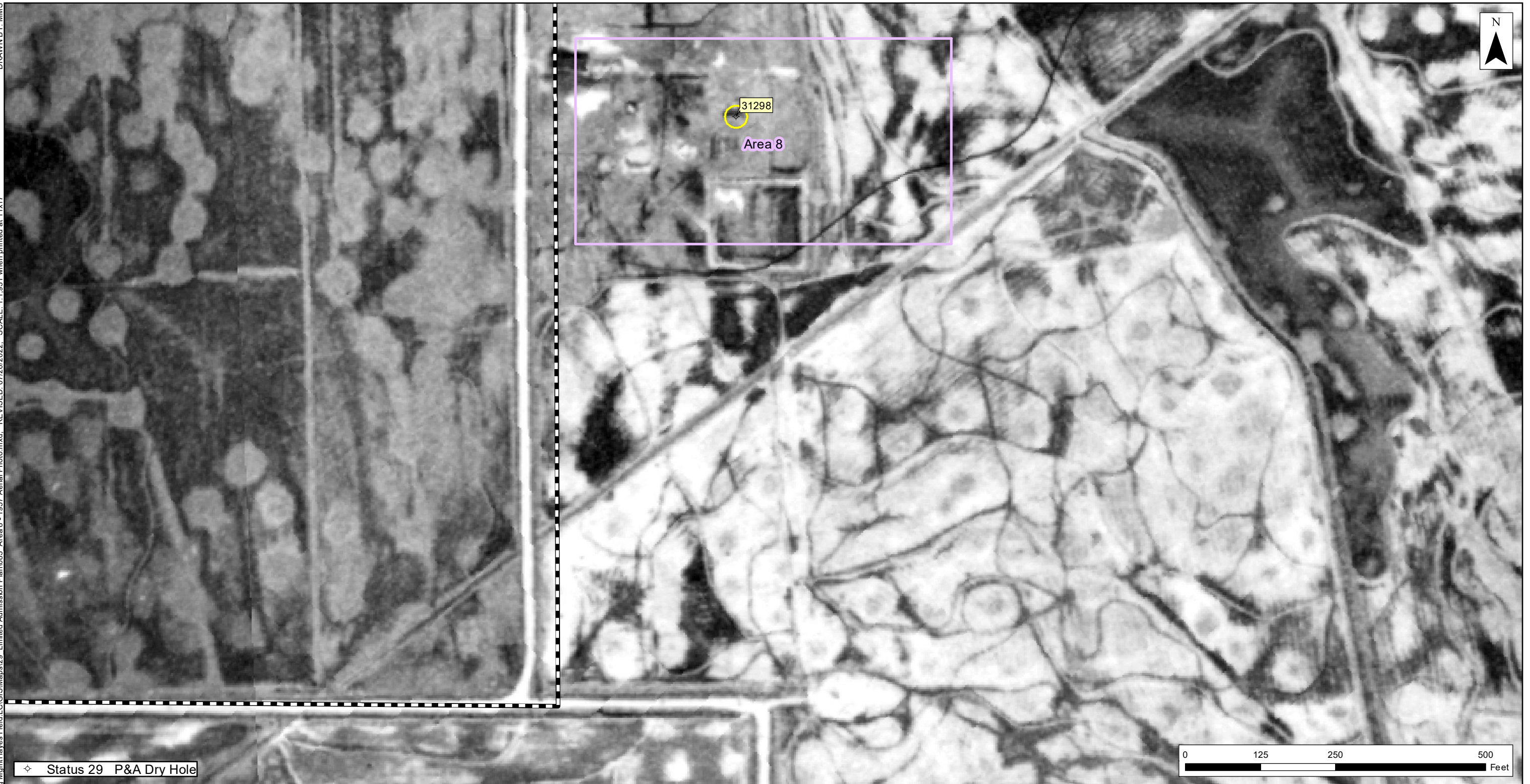
◆ Status 29 P&A Dry Hole



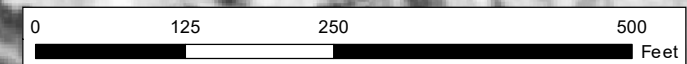
-  Property
-  Gulf/Chevron Well
- Chevron Limited Admission Areas**
-  Area 8

Notes:  
 01-15-1951 and 01-16-1951 Aerials from the LSU  
 Cartographic Information Center  
 (<http://www.cic.lsu.edu/aerial.htm>).

**Figure 82**  
**Area 8 - 1951 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



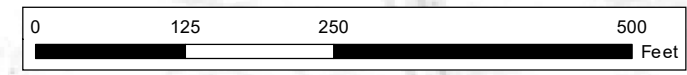
◆ Status 29 P&A Dry Hole



- Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 8

Notes:  
02-28-1957 Aerial from the LSU Cartographic Information Center (<http://www.cic.lsu.edu/aerial.htm>).

**Figure 83**  
**Area 8 - 1957 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana



◆ Status 29 P&A Dry Hole

▭ Property

○ Gulf/Chevron Well

**Chevron Limited Admission Areas**

▭ Area 8

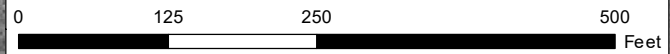
Notes:  
03-27-1962 Aerial from the LSU Cartographic Information Center (<http://www.cic.lsu.edu/aerial.htm>).

**Figure 84**  
**Area 8 - 1962 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana

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DRAWN BY: MMS



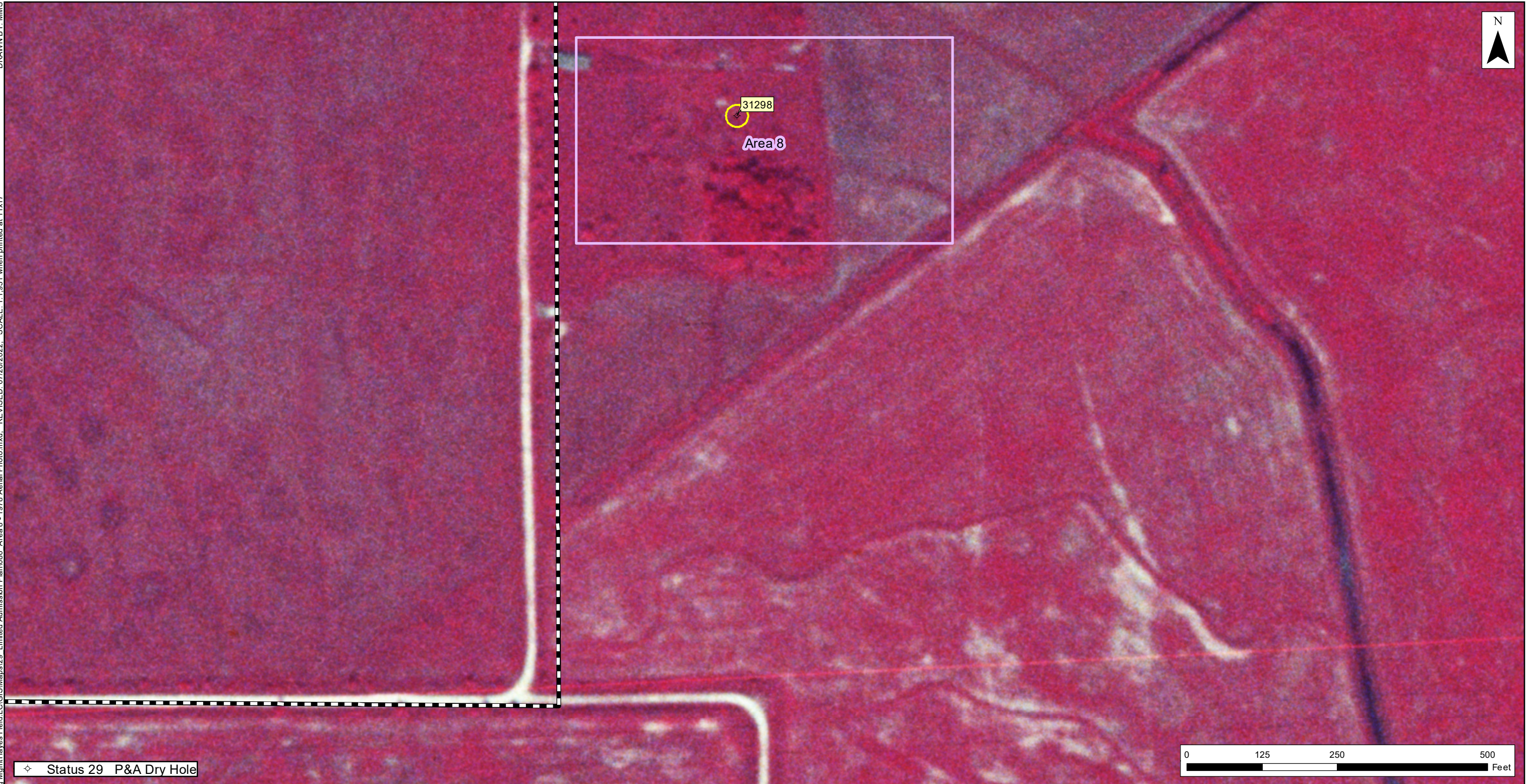
◆ Status 29 P&A Dry Hole



- Property
- Gulf/Chevron Well
- Chevron Limited Admission Areas**
- Area 8

Notes:  
02-13-1971 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).

**Figure 85**  
**Area 8 - 1971 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana



◆ Status 29 P&A Dry Hole

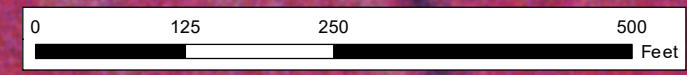
▭ Property

○ Gulf/Chevron Well

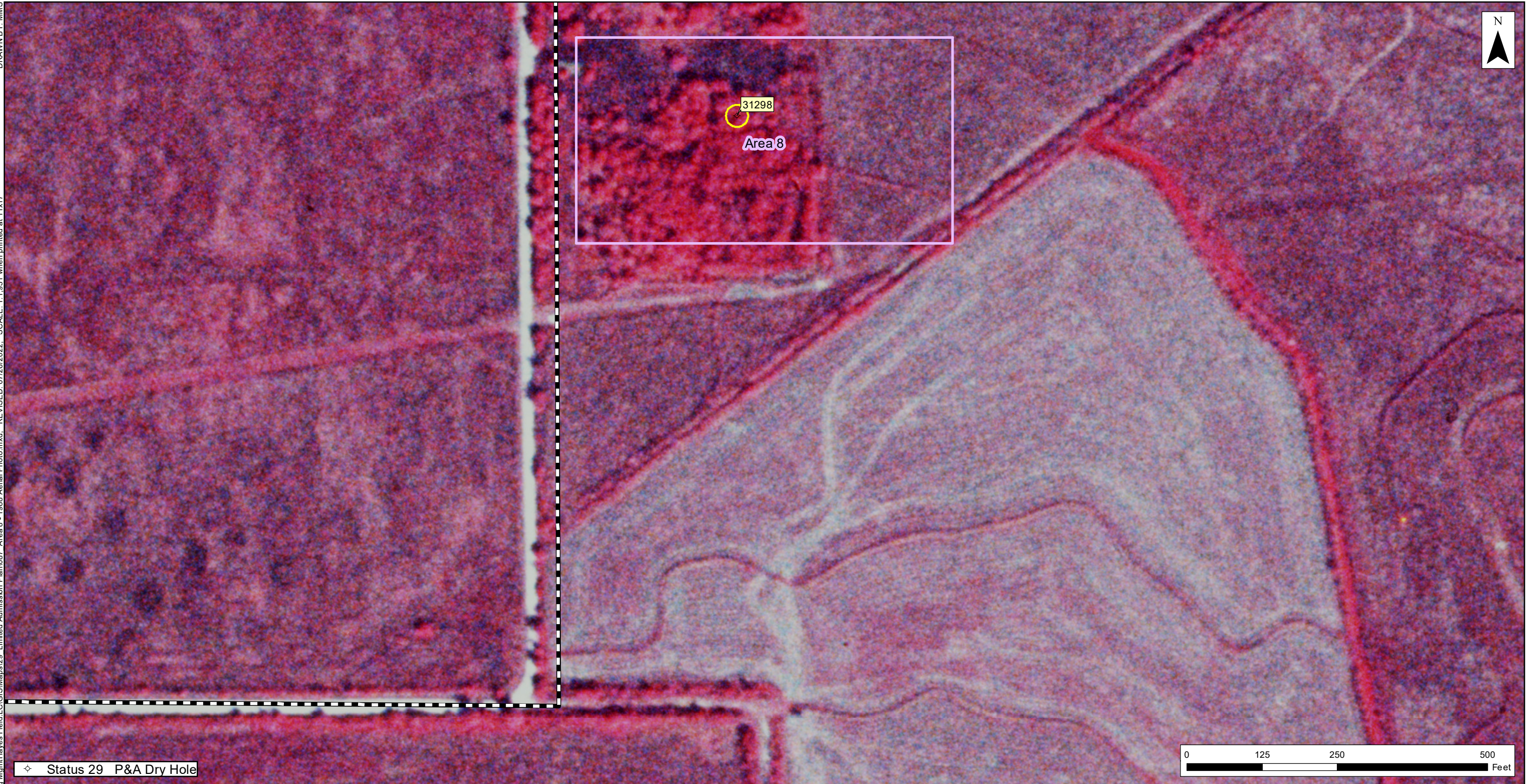
**Chevron Limited Admission Areas**

▭ Area 8

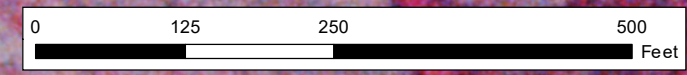
Notes:  
10-09-1978 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).






**Figure 86**  
**Area 8 - 1978 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



◆ Status 29 P&A Dry Hole

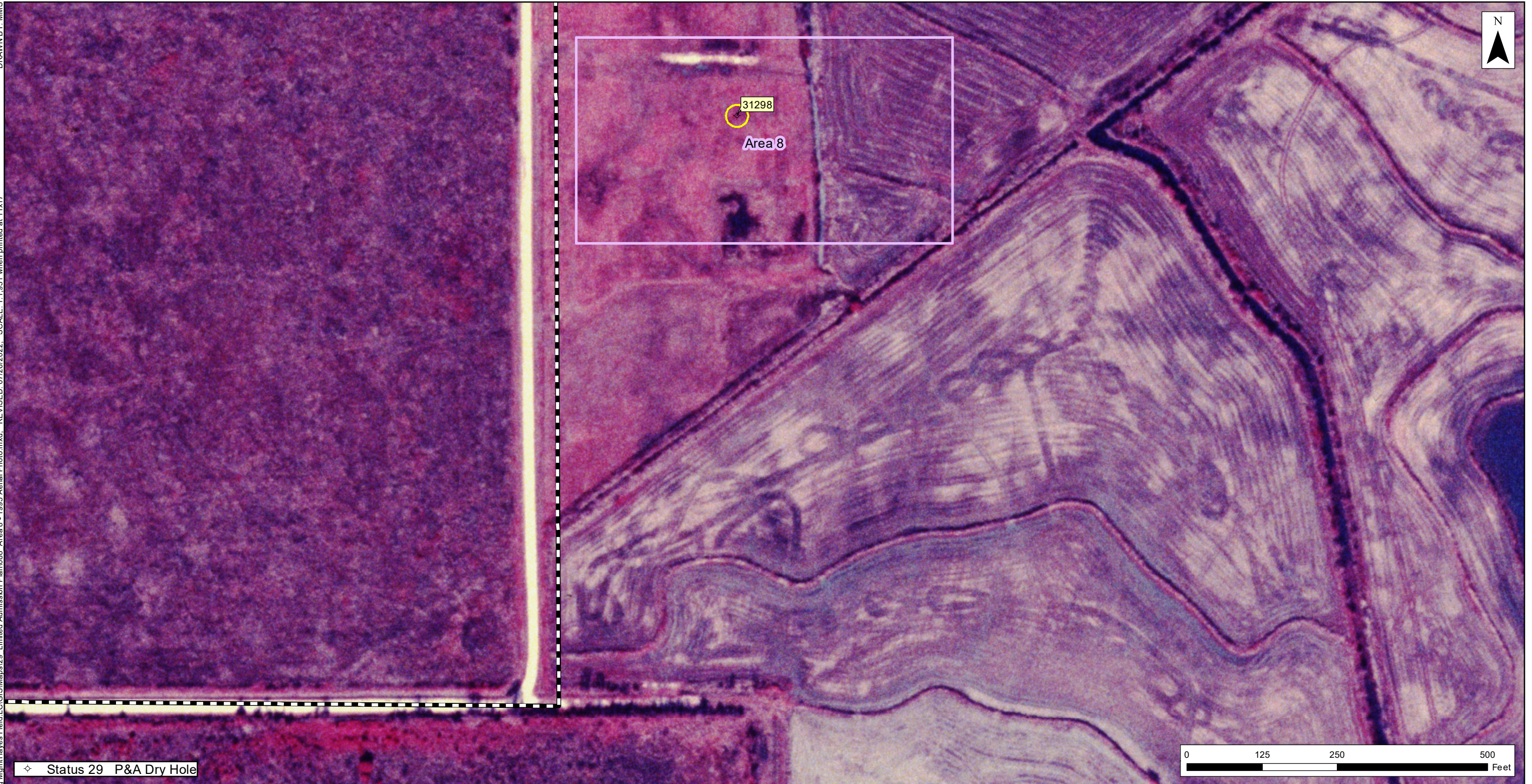


-  Property
-  Gulf/Chevron Well
- Chevron Limited Admission Areas**
-  Area 8

Notes:  
 11-07-1988 Aerial from the USGS Earth Explorer  
 (<https://earthexplorer.usgs.gov/>).

**Figure 87**  
**Area 8 - 1988 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

P:\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\088 Area 8 - 1995 Aerial Photo.mxd. REVISED: 07/26/2022. SCALE: 1:1.931 when printed at 11x17  
DRAWN BY: MMS



◆ Status 29 P&A Dry Hole

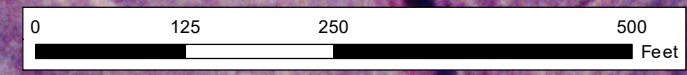
▭ Property

○ Gulf/Chevron Well

**Chevron Limited Admission Areas**

▭ Area 8

Notes:  
01-08-1995 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).



**Figure 88**  
**Area 8 - 1995 Aerial Photo**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana





◆ Status 29 P&A Dry Hole

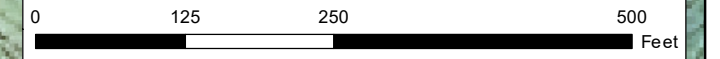
▭ Property

○ Gulf/Chevron Well

**Chevron Limited Admission Areas**

▭ Area 8

Notes:  
10-01-2008 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).



**Figure 89**  
**Area 8 - 2008 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



◆ Status 29 P&A Dry Hole

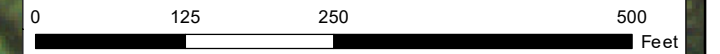
▭ Property

○ Gulf/Chevron Well

**Chevron Limited Admission Areas**

▭ Area 8

Notes:  
09-11-2017 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).



**Figure 90**  
**Area 8 - 2017 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



◆ Status 29 P&A Dry Hole

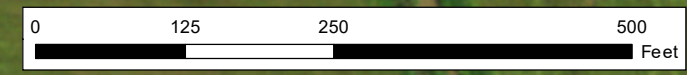
▭ Property

○ Gulf/Chevron Well

**Chevron Limited Admission Areas**

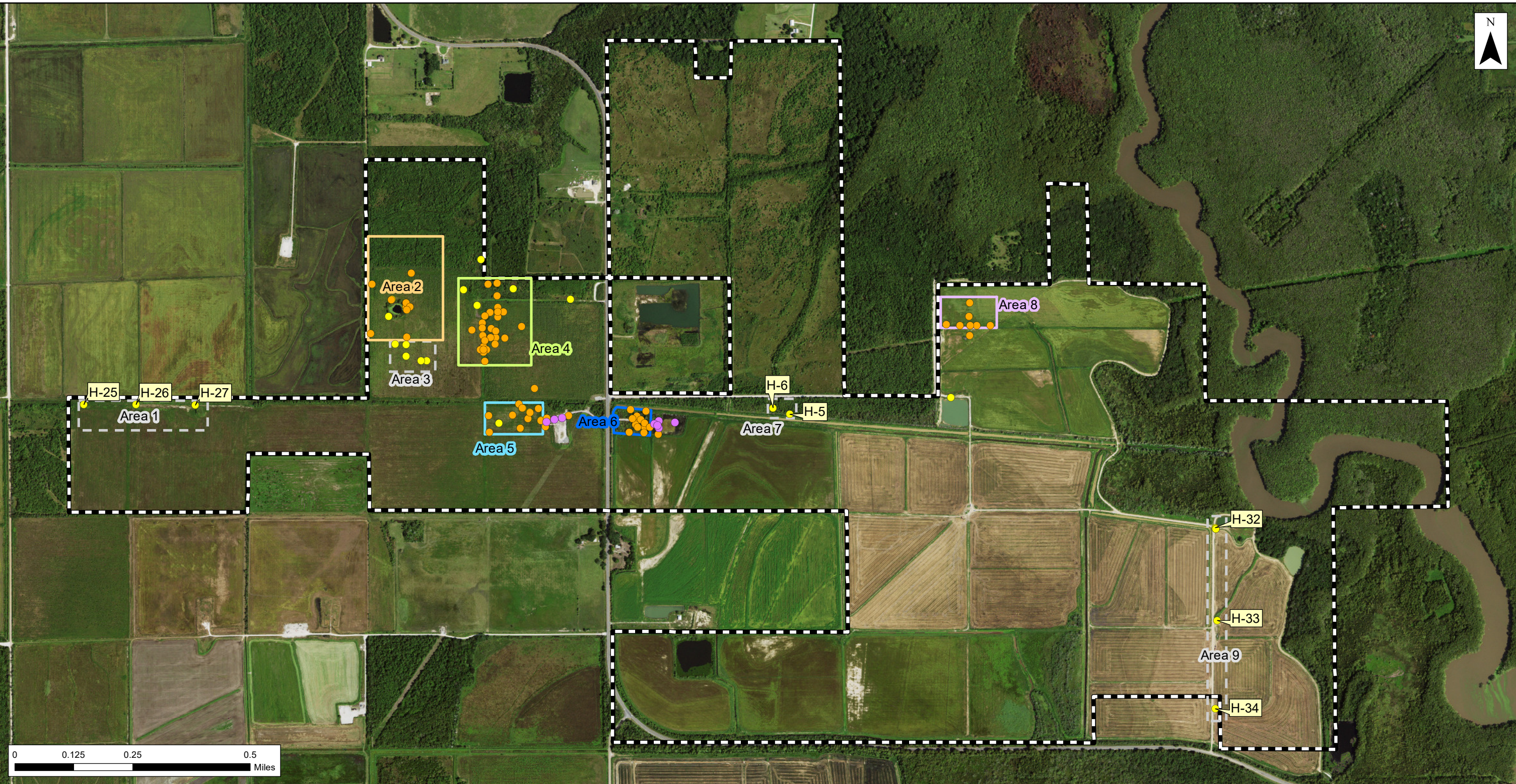
▭ Area 8

Notes:  
09-11-2017 Aerial from the USGS Earth Explorer  
(<https://earthexplorer.usgs.gov/>).



**Figure 91**  
**Area 8 - 2019 Aerial Photo**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

Q:\Houston\Projects\0526033 Kean Miller LLP (CVX)\Henning Mgmt\Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\092 Soil Sample Locations.mxd, REVISED: 08/02/2022, SCALE: 1:13,032 when printed at 11x17









- Property
- ERM Soil Sample Location
- ICON Soil Sample Location
- HLP Soil Sample Location
- Area 2
- Area 4
- Area 5
- Area 6
- Area 8
- Other Sampling Areas – Outside Chevron Limited Admission

Notes:  
2019 Aerial via Earth Explorer

**Figure 92**  
**Soil Sample Locations**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana

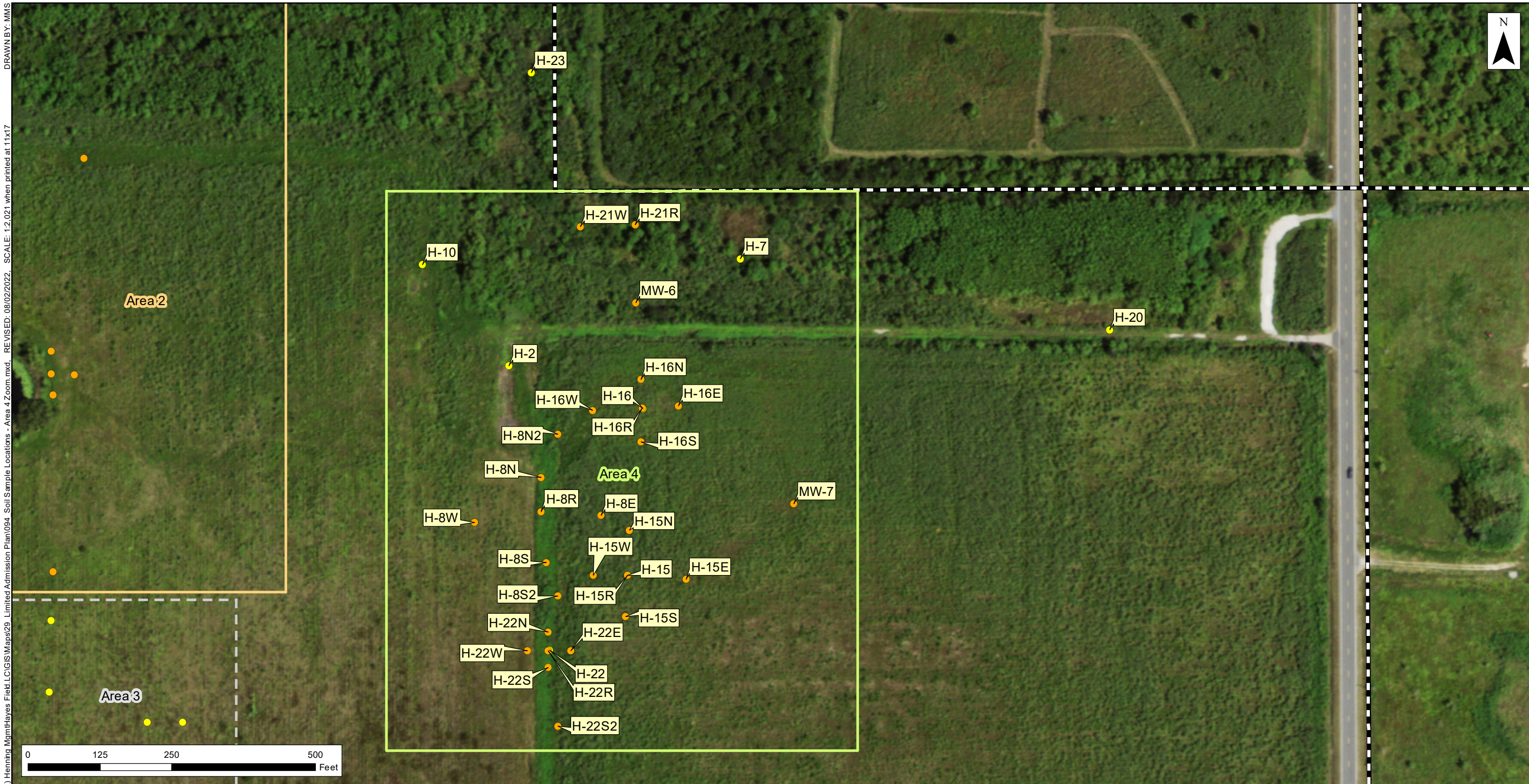


-  Property
-  ERM Soil Sample Location
-  ICON Soil Sample Location
- Chevron Limited Admission Areas**
-  Area 2
-  Area 4
-  Other Sampling Areas – Outside Chevron Limited Admission

Notes:  
2019 Aerial via Earth Explorer

**Figure 93**  
**Soil Sample Locations - Area 2 Zoom**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

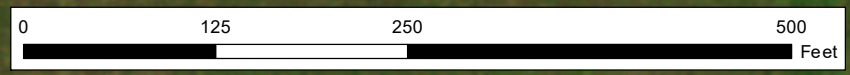
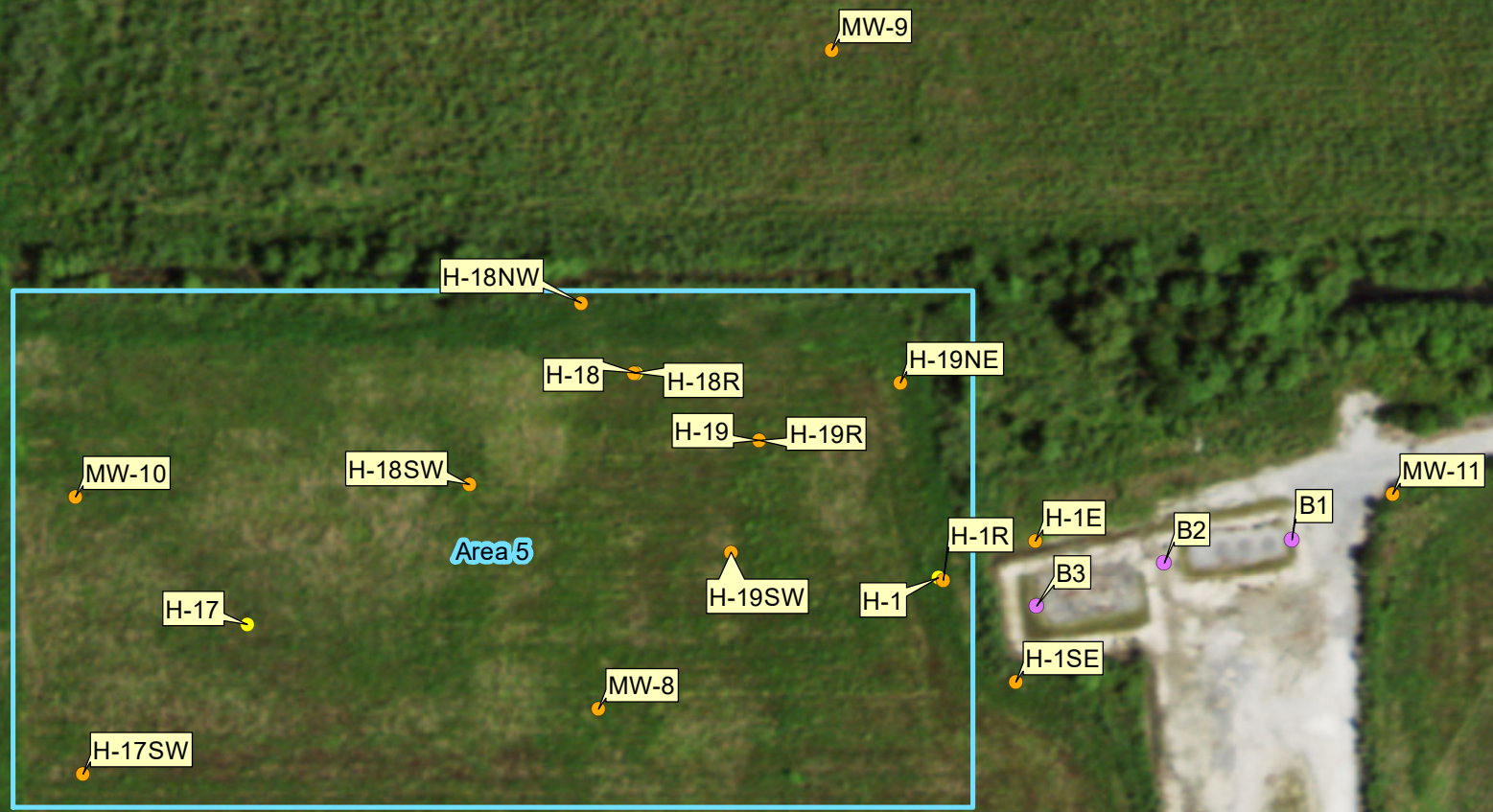
Q:\Houston\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt\Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\094 Soil Sample Locations - Area 4 Zoom.mxd. REVISED: 08/02/2022. SCALE: 1:2,021 when printed at 11x17



- Property
- ERM Soil Sample Location
- ICON Soil Sample Location
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

Notes:  
2019 Aerial via Earth Explorer

**Figure 94**  
**Soil Sample Locations - Area 4 Zoom**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana








- Property
- ERM Soil Sample Location
- ICON Soil Sample Location
- HLP Soil Sample Location
- Chevron Limited Admission Areas**
- Area 5

Notes:  
2019 Aerial via Earth Explorer

**Figure 95**  
**Soil Sample Locations - Area 5 Zoom**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana







-  Property
  -  ERM Soil Sample Location
  -  ICON Soil Sample Location
  -  HLP Soil Sample Location
- Chevron Limited Admission Areas**
-  Area 6

Notes:  
2019 Aerial via Earth Explorer

**Figure 96**  
**Soil Sample Locations - Area 6 Zoom**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana



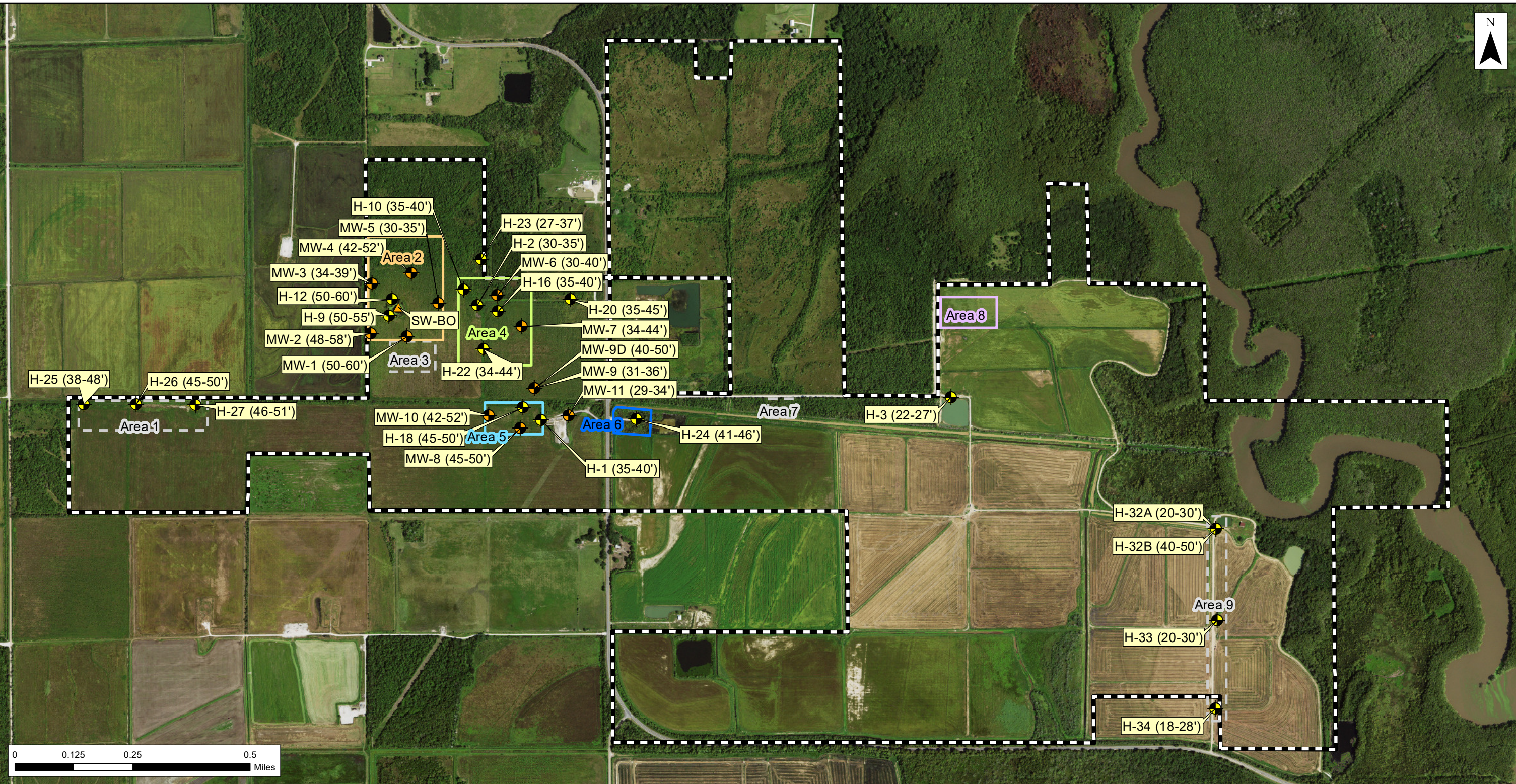


-  Property
-  ERM Soil Sample Location
-  ICON Soil Sample Location
- Chevron Limited Admission Areas**
-  Area 8

Notes:  
2019 Aerial via Earth Explorer

**Figure 97**  
**Soil Sample Locations - Area 8 Zoom**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana

Q:\Houston\Projects\0526033 Kean Miller LLP (CVX)\Henning Mgmt\Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\098 Monitoring Well and Surface Water Sample Locations.mxd, REVISED: 08/02/2022, SCALE: 1:13,032 when printed at 11x DRAWN BY: MMS

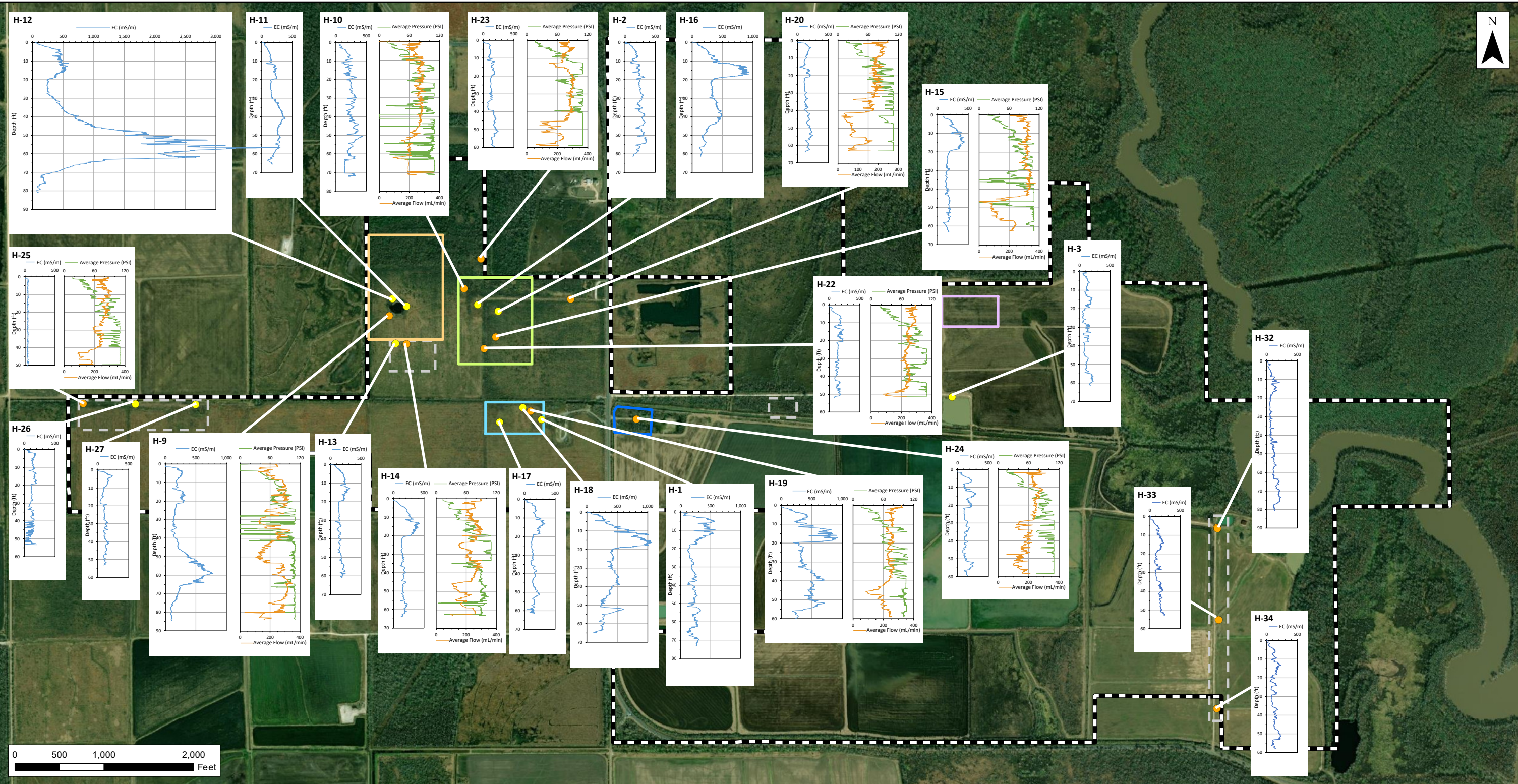


- Property
- ERM Monitoring Well
- ICON Monitoring Well
- ERM Surface Water Sample Location
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Area 5
- Area 6
- Area 8
- Other Sampling Areas – Outside Chevron Limited Admission

Notes:  
2019 Aerial via Earth Explorer

**Figure 98**  
**Monitoring Well and Surface Water Sample Locations**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana

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 Q:\Houston\Projects\0526033 Kean Miller LLP (CVX) Henning MgmtHayes Field.LC\GIS\Maps\29 Limited Admission Plan\099 ICON EC & HPT Logs.mxd, REVISED: 09/02/2022, SCALE: 1:13,032 when printed at 11x17



**Property**

- Property

**ICON HPT and EC Probe Location**

- ICON HPT and EC Probe Location
- ICON EC Probe Location

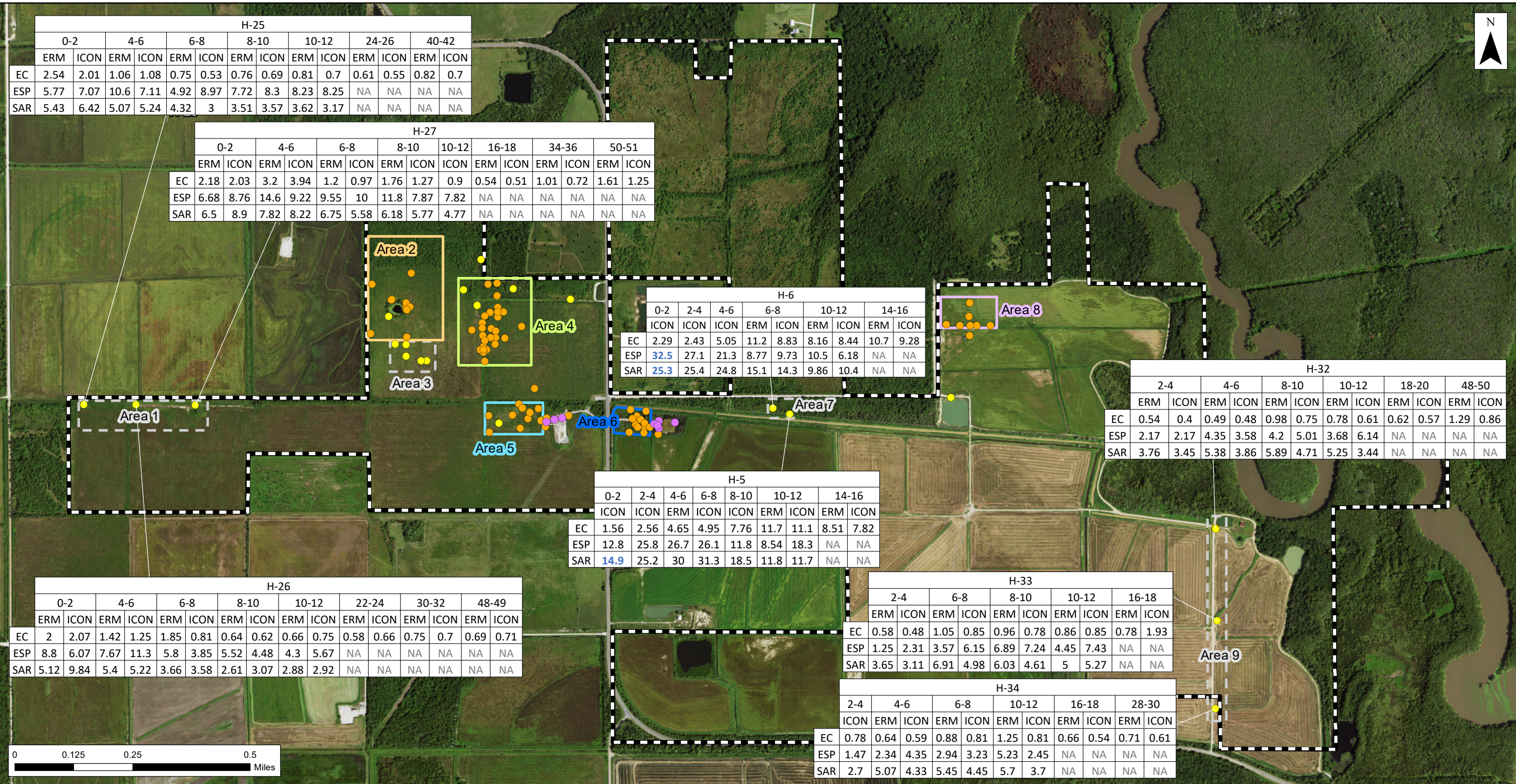
**Chevron Limited Admission Areas**

- Area 2
- Area 4
- Area 5
- Area 6
- Area 8
- Other Sampling Areas – Outside Chevron Limited Admission

Notes:  
 ICON did not perform dissipation tests on HPT logs, therefore estimated hydraulic conductivity could not be calculated.  
 Imagery basemap via ArcGIS Online.

**Figure 99**  
**ICON EC & HPT Logs**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

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 DRAWN BY: MMS



**Property**

- Property (dashed white line)

**Chevron Limited Admission Areas**

- ERM Soil Sample Location (orange dot)
- ICON Soil Sample Location (yellow dot)
- HLP Soil Sample Location (purple dot)
- Area 2 (orange outline)
- Area 4 (green outline)
- Area 5 (blue outline)
- Area 6 (cyan outline)
- Area 8 (purple outline)
- Other Sampling Areas – Outside Chevron Limited Admission (dashed grey line)

**Notes:**  
 EC - Electrical Conductivity, concentrations are reported in mmhos/cm.  
 ESP - Exchangeable Sodium Percentage, concentrations are reported in %.  
 SAR - Sodium Adsorption Ratio  
**Bold Blue** values exceed the 29-B standard in the upper one foot of soil.  
 2019 Aerial via Earth Explorer

**Figure 100**  
**29-B Salt Parameter Results in Soil**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

Q:\Houston\Projects\0526033\Kean Miller LLP (CVX) Henning Mgmt\Hayes Field.LC\GIS\Maps\29-B Salt Parameter Results in Soil - Areas 2 Zoom.mxd. REVISED: 08/02/2022. SCALE: 1:1,844 when printed at 11x17. DRAWN BY: MMS

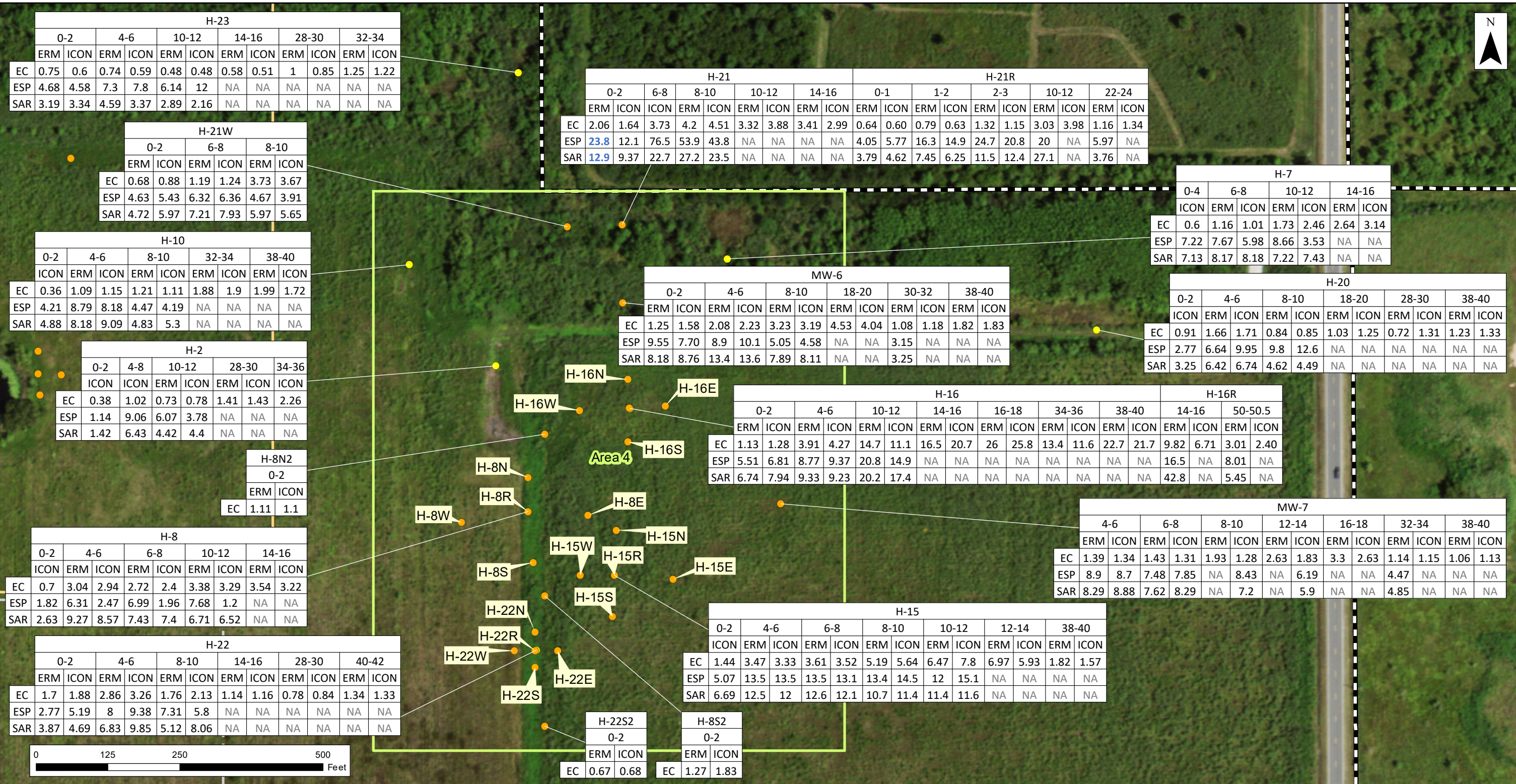


- Property
- ERM Soil Sample Location
- ICON Soil Sample Location
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

Notes:  
 EC - Electrical Conductivity, concentrations are reported in mmhos/cm.  
 ESP - Exchangeable Sodium Percentage, concentrations are reported in %.  
 SAR - Sodium Adsorption Ratio  
**Bold Blue** values exceed the 29-B standard in the upper one foot of soil.  
 2019 Aerial via Earth Explorer

**Figure 101**  
**29-B Salt Parameter Results in Soil - Areas 2 Zoom**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

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**Property**

- ERM Soil Sample Location
- ICON Soil Sample Location

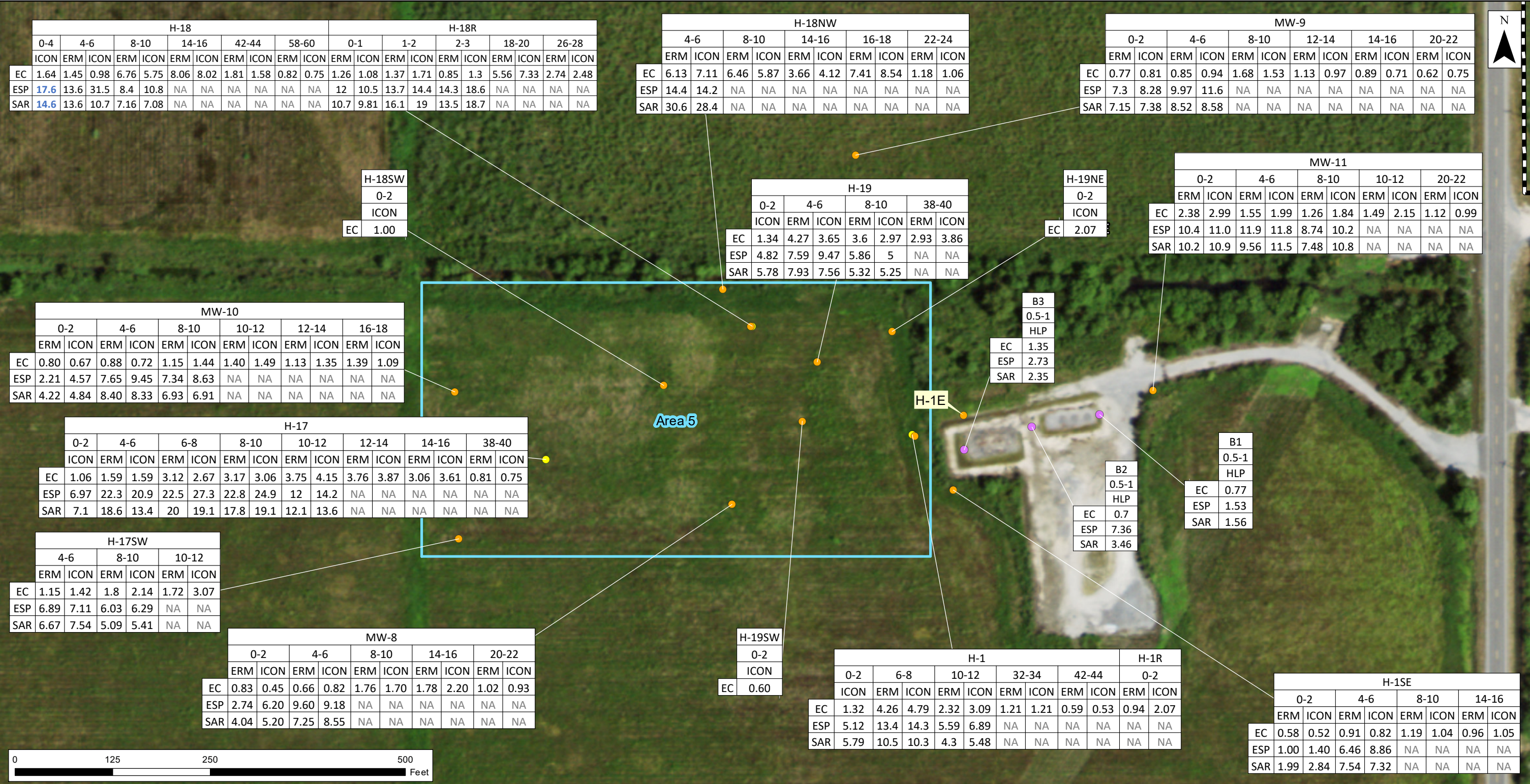
**Chevron Limited Admission Areas**

- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

**Notes:**  
 EC - Electrical Conductivity, concentrations are reported in mmhos/cm.  
 ESP - Exchangeable Sodium Percentage, concentrations are reported in %.  
 SAR - Sodium Adsorption Ratio  
**Bold Blue** values exceed the 29-B standard in the upper one foot of soil.  
 2019 Aerial via Earth Explorer

**Figure 102**  
**29-B Salt Parameter Results in Soil - Area 4 Zoom**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

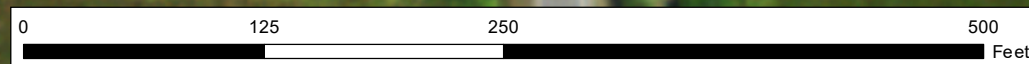
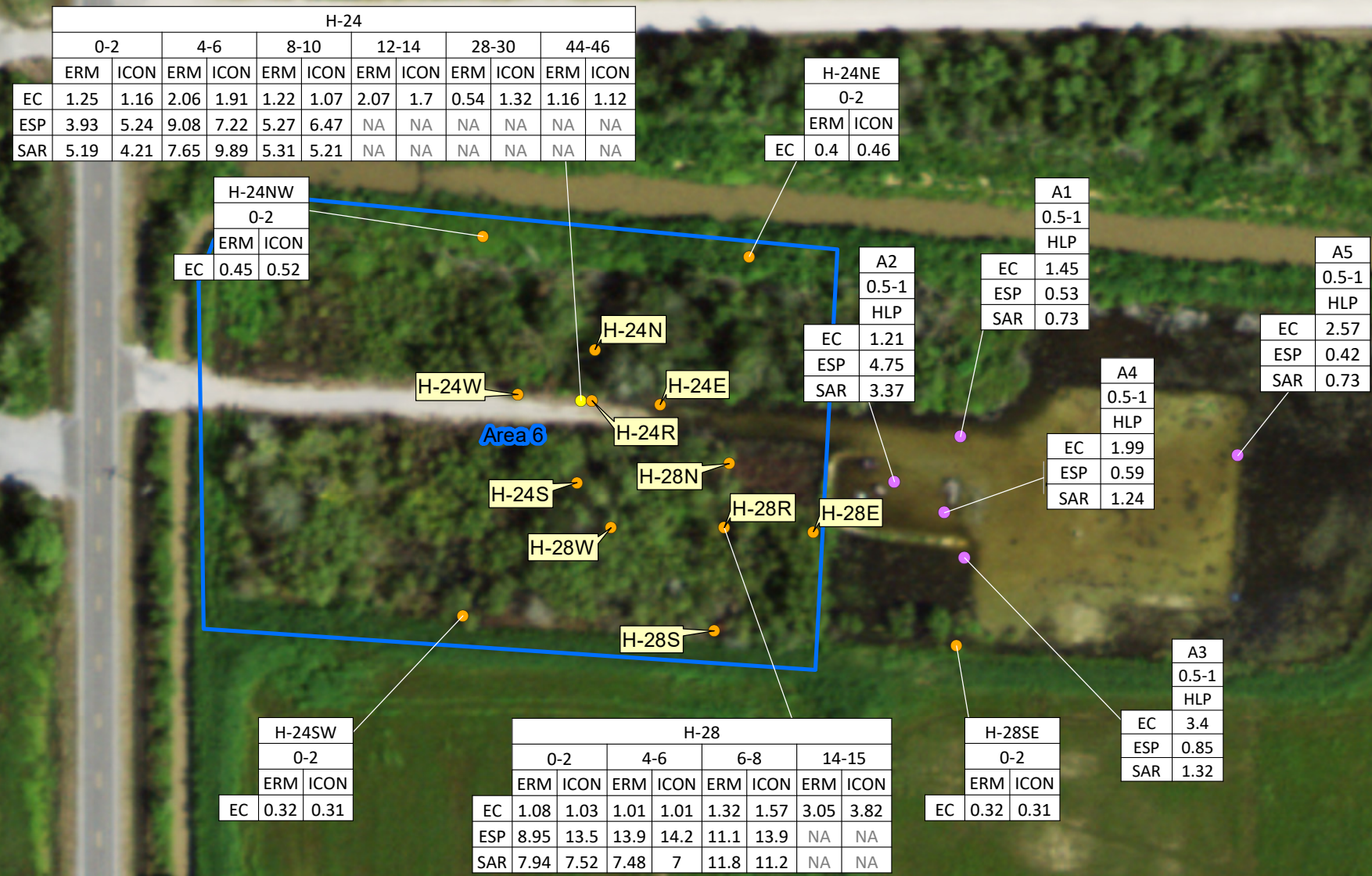
Q:\Houston\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt\Hayes Field.LC\GIS\Maps\29-B Salt Parameter Results in Soil - Area 5 Zoom.mxd, REVISED: 08/02/2022, SCALE: 1:1,500 when printed at 11x17



- Property
- ERM Soil Sample Location
- ICON Soil Sample Location
- HLP Soil Sample Location
- Chevron Limited Admission Areas**
- Area 5

Notes:  
 EC - Electrical Conductivity, concentrations are reported in mmhos/cm.  
 ESP - Exchangeable Sodium Percentage, concentrations are reported in %.  
 SAR - Sodium Adsorption Ratio  
**Bold Blue** values exceed the 29-B standard in the upper one foot of soil.  
 2019 Aerial via Earth Explorer

**Figure 103**  
**29-B Salt Parameter Results in Soil - Area 5 Zoom**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

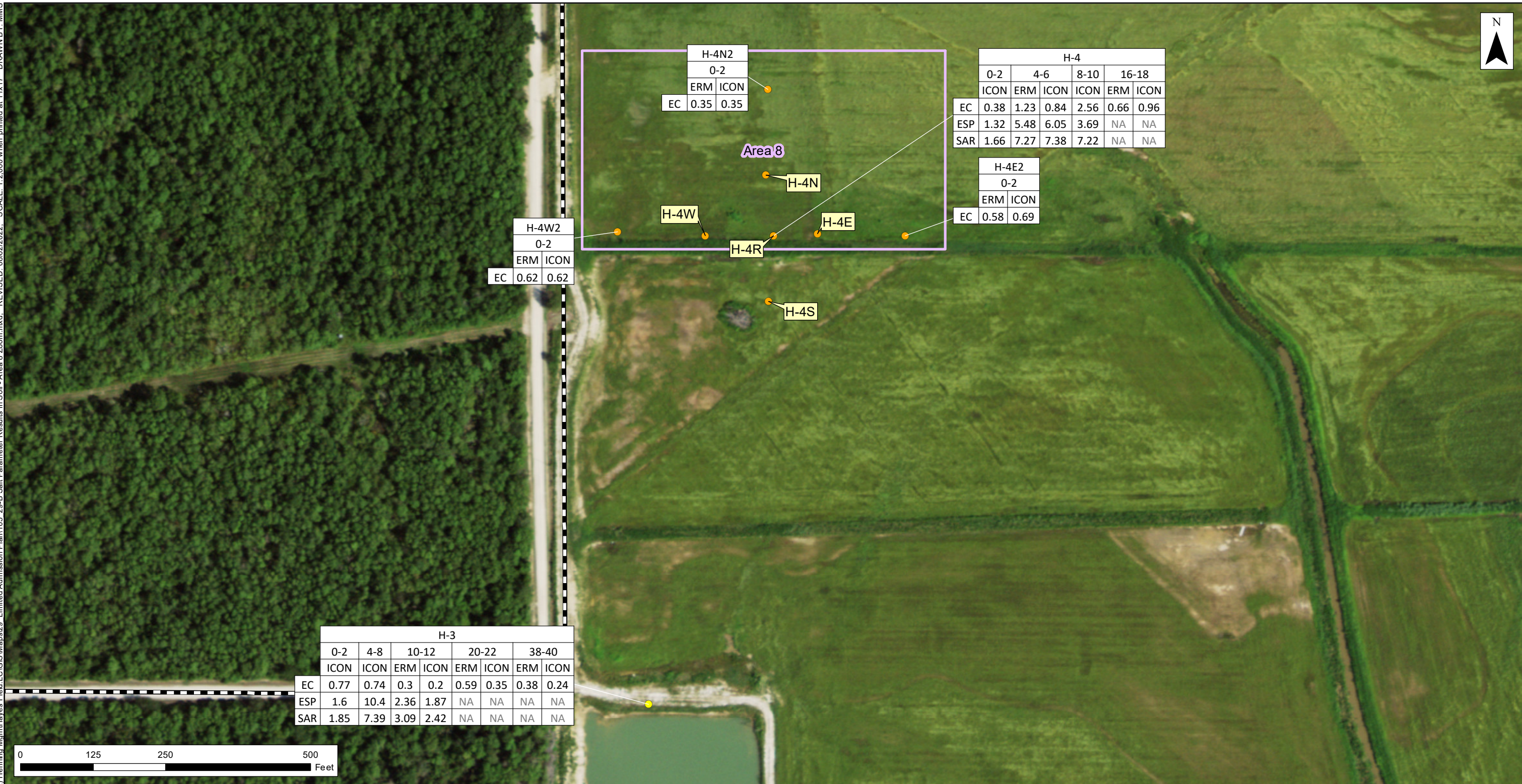


- Property
- ERM Soil Sample Location
- ICON Soil Sample Location
- HLP Soil Sample Location
- Chevron Limited Admission Areas**
- Area 6

Notes:  
 EC - Electrical Conductivity, concentrations are reported in mmhos/cm.  
 ESP - Exchangeable Sodium Percentage, concentrations are reported in %.  
 SAR - Sodium Adsorption Ratio  
**Bold Blue** values exceed the 29-B standard in the upper one foot of soil.  
 2019 Aerial via Earth Explorer

**Figure 104**  
**29-B Salt Parameter Results in Soil - Area 6 Zoom**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana





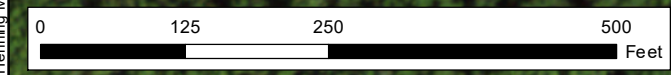
H-4W2	
0-2	
ERM	ICON
EC	0.62
0.62	0.62

H-4N2	
0-2	
ERM	ICON
EC	0.35
0.35	0.35

H-4					
	0-2	4-6	8-10	16-18	
	ICON	ERM	ICON	ERM	ICON
EC	0.38	1.23	0.84	2.56	0.66
ESP	1.32	5.48	6.05	3.69	NA
SAR	1.66	7.27	7.38	7.22	NA

H-4E2	
0-2	
ERM	ICON
EC	0.58
0.58	0.69

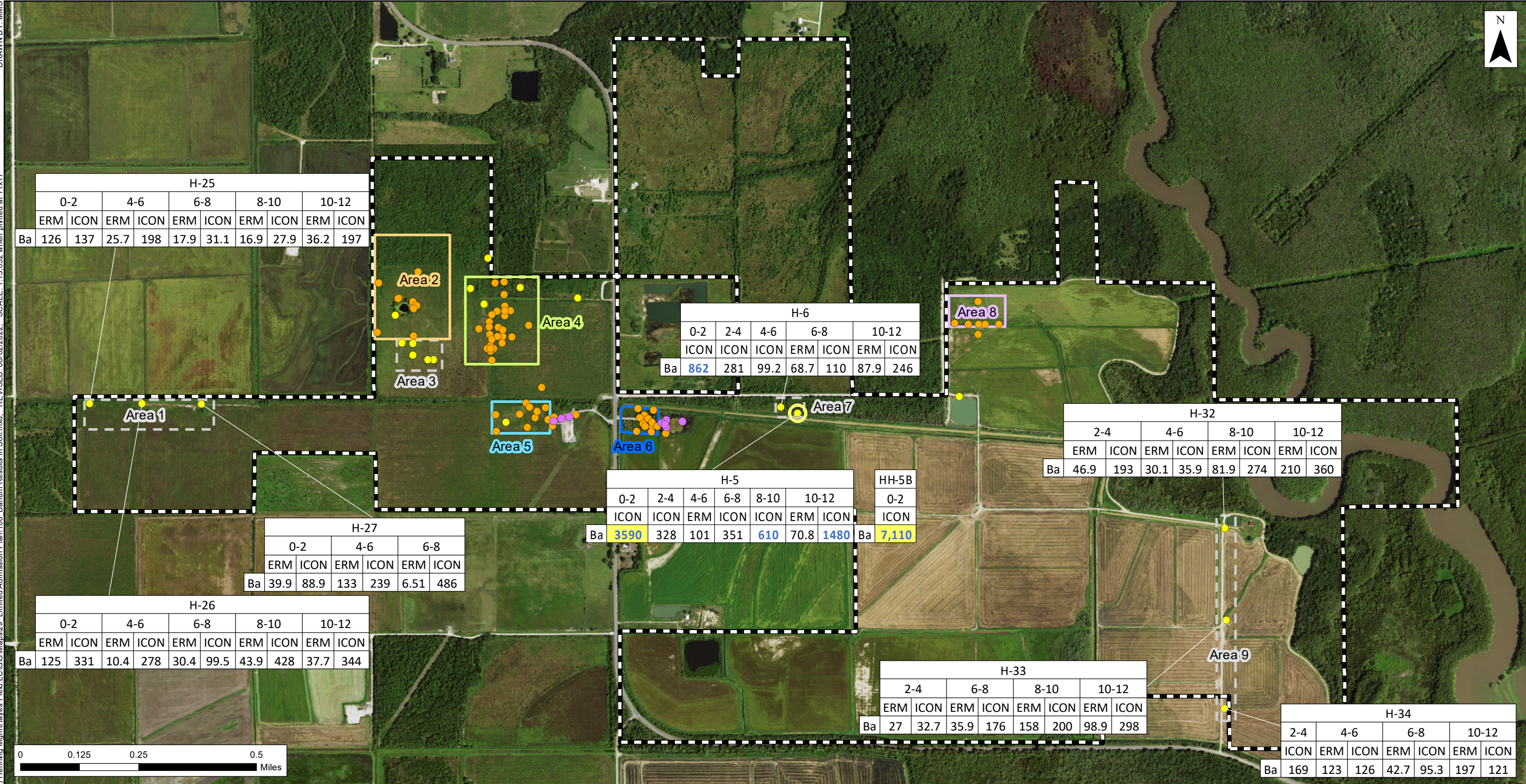
H-3								
	0-2	4-8	10-12		20-22		38-40	
	ICON	ICON	ERM	ICON	ERM	ICON	ERM	ICON
EC	0.77	0.74	0.3	0.2	0.59	0.35	0.38	0.24
ESP	1.6	10.4	2.36	1.87	NA	NA	NA	NA
SAR	1.85	7.39	3.09	2.42	NA	NA	NA	NA



- Property
- ERM Soil Sample Location
- ICON Soil Sample Location
- Chevron Limited Admission Areas**
- Area 8

Notes:  
 EC - Electrical Conductivity, concentrations are reported in mmhos/cm.  
 ESP - Exchangeable Sodium Percentage, concentrations are reported in %.  
 SAR - Sodium Adsorption Ratio  
**Bold Blue** values exceed the 29-B standard in the upper one foot of soil.  
 2019 Aerial via Earth Explorer

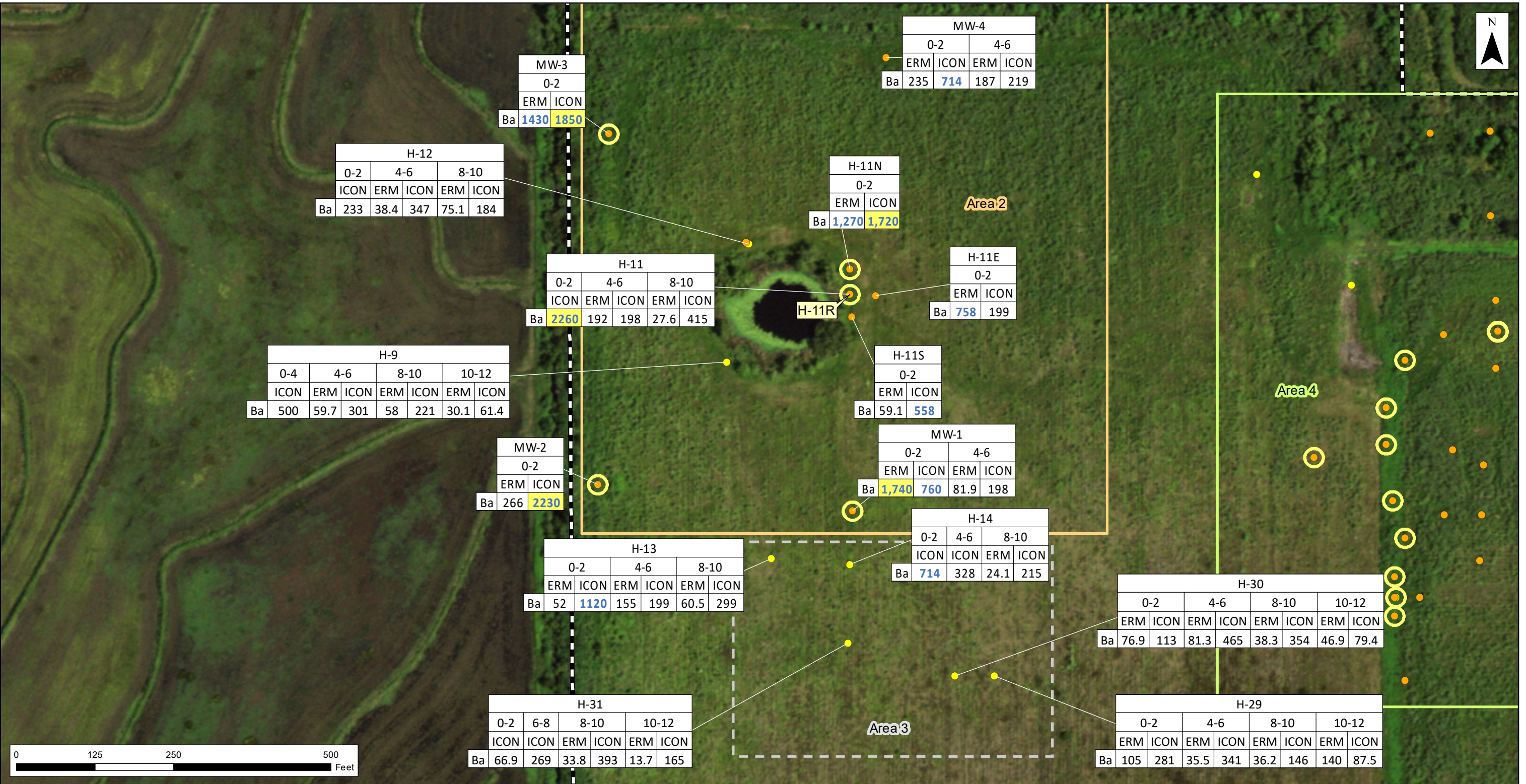
**Figure 105**  
**29-B Salt Parameter Results in Soil - Area 8 Zoom**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



Property	<b>Chevron Limited Admission Areas</b>
ERM Soil Sample Location	Area 2
ICON Soil Sample Location	Area 4
HLP Soil Sample Location	Area 5
Ba Concentrations in Soil > 1600mg/kg	Area 6
	Area 8
	Other Sampling Areas – Outside Chevron Limited Admission

Notes:  
 Concentrations are reported in mg/kg.  
**Bold Blue** values exceed the RECAP screening standard (550 mg/kg)  
 Highlighted values exceed the delineation standard (1,600 mg/kg; RECAP updated screening value)  
 2019 Aerial via Earth Explorer

**Figure 106**  
**Barium Results in Soil**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

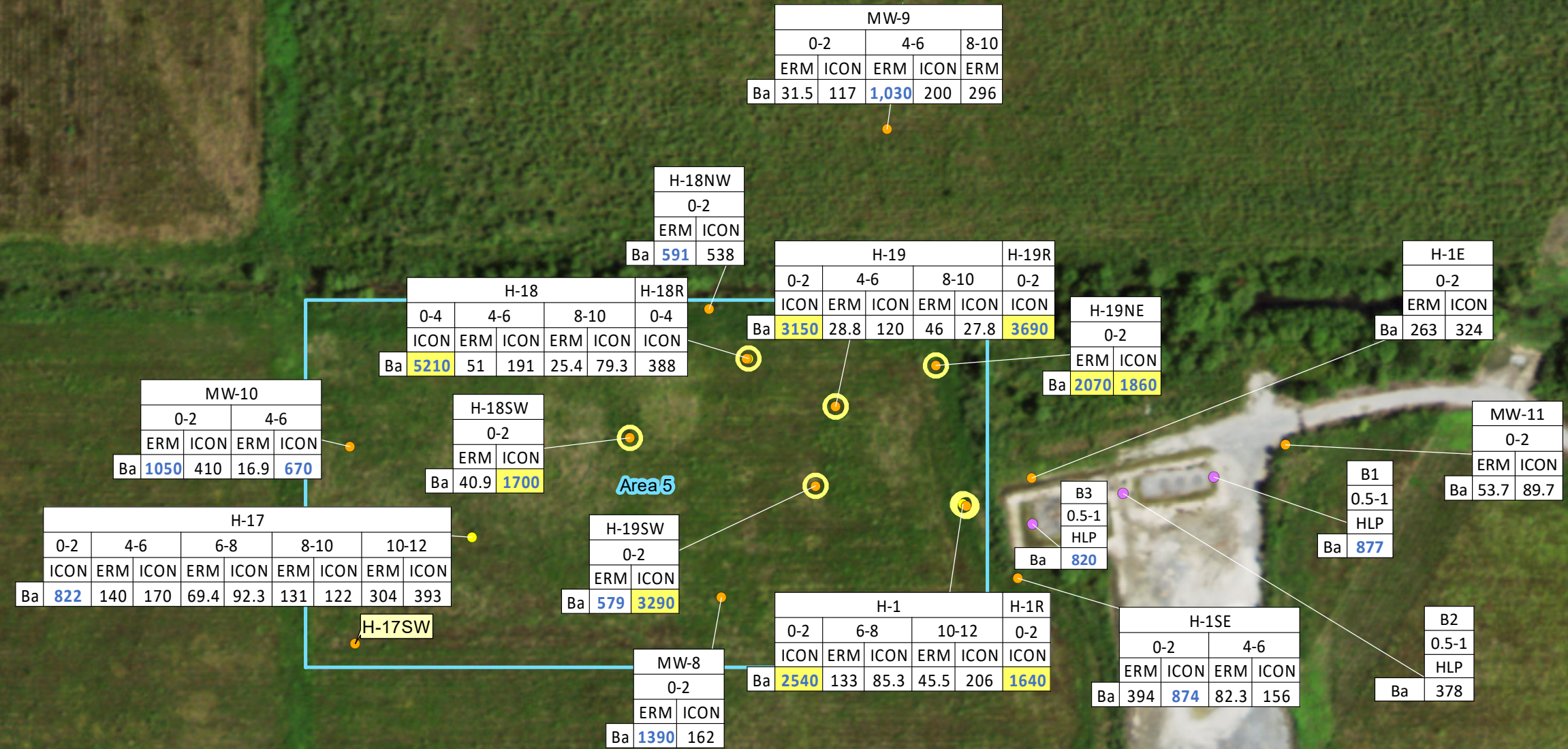


- Property
- ERM Soil Sample Location
- ICON Soil Sample Location
- Ba Concentrations in Soil > 1600mg/kg
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

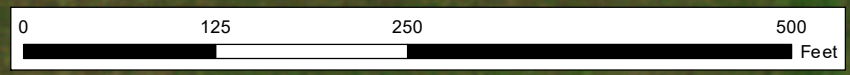
Notes:  
 Concentrations are reported in mg/kg.  
**Bold Blue** values exceed the RECAP screening standard (550 mg/kg)  
 Highlighted values exceed the delineation standard (1,600 mg/kg; RECAP updated screening value)  
 2019 Aerial via Earth Explorer

**Figure 107**  
**Barium Results in Soil - Areas 2 Zoom**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana





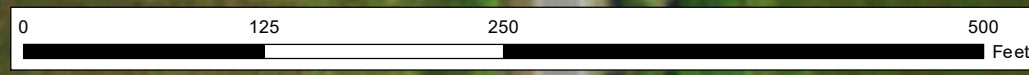
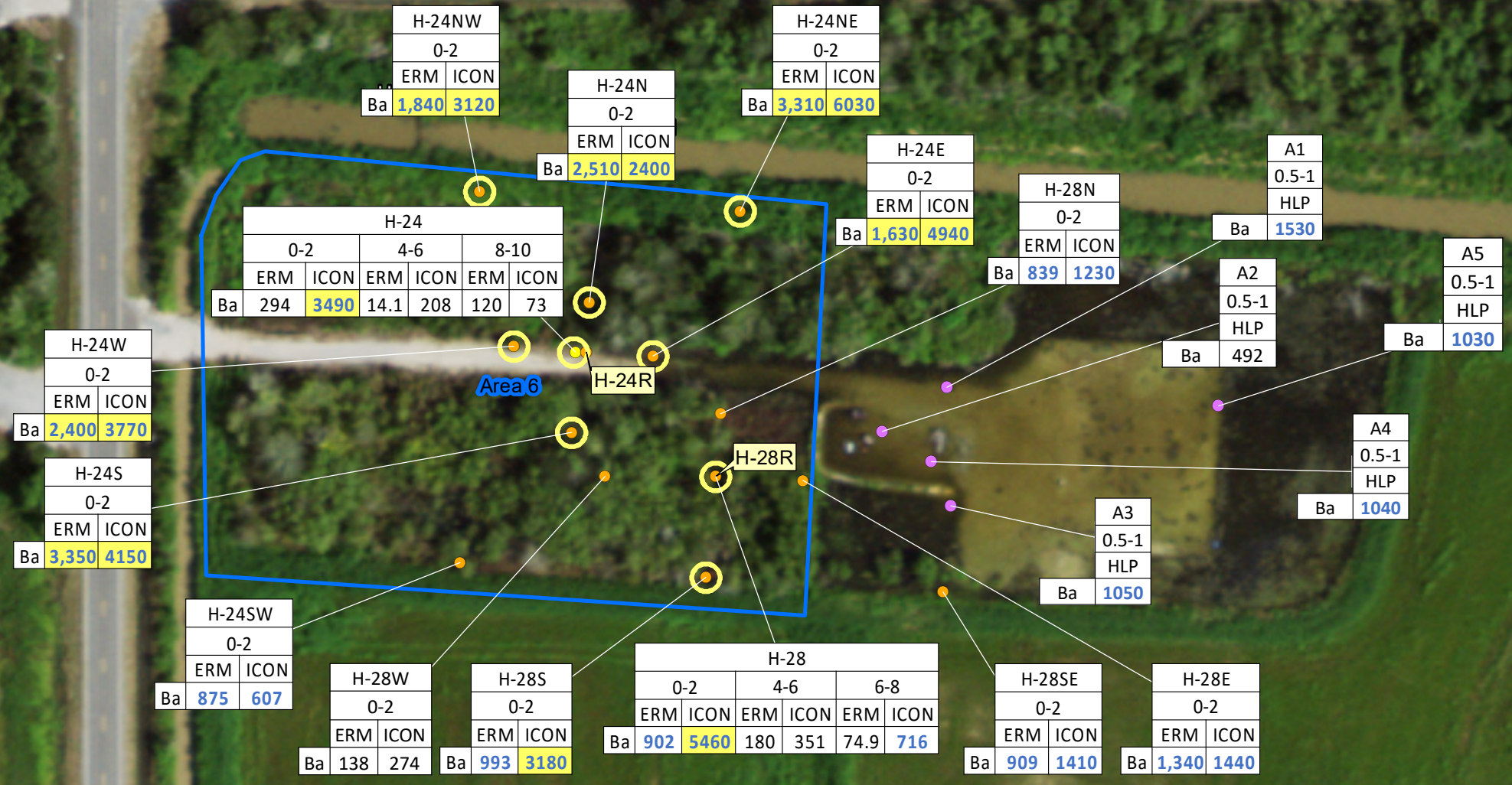
Area 5



- Property
  - ERM Soil Sample Location
  - ICON Soil Sample Location
  - HLP Soil Sample Location
  - Ba Concentrations in Soil >1600mg/kg
- Chevron Limited Admission Areas**
- Area 5

Notes:  
 Concentrations are reported in mg/kg.  
**Bold Blue** values exceed the RECAP screening standard (550 mg/kg)  
 Highlighted values exceed the delineation standard (1,600 mg/kg; RECAP updated screening value)  
 2019 Aerial via Earth Explorer

**Figure 109**  
**Barium Results in Soil - Area 5 Zoom**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

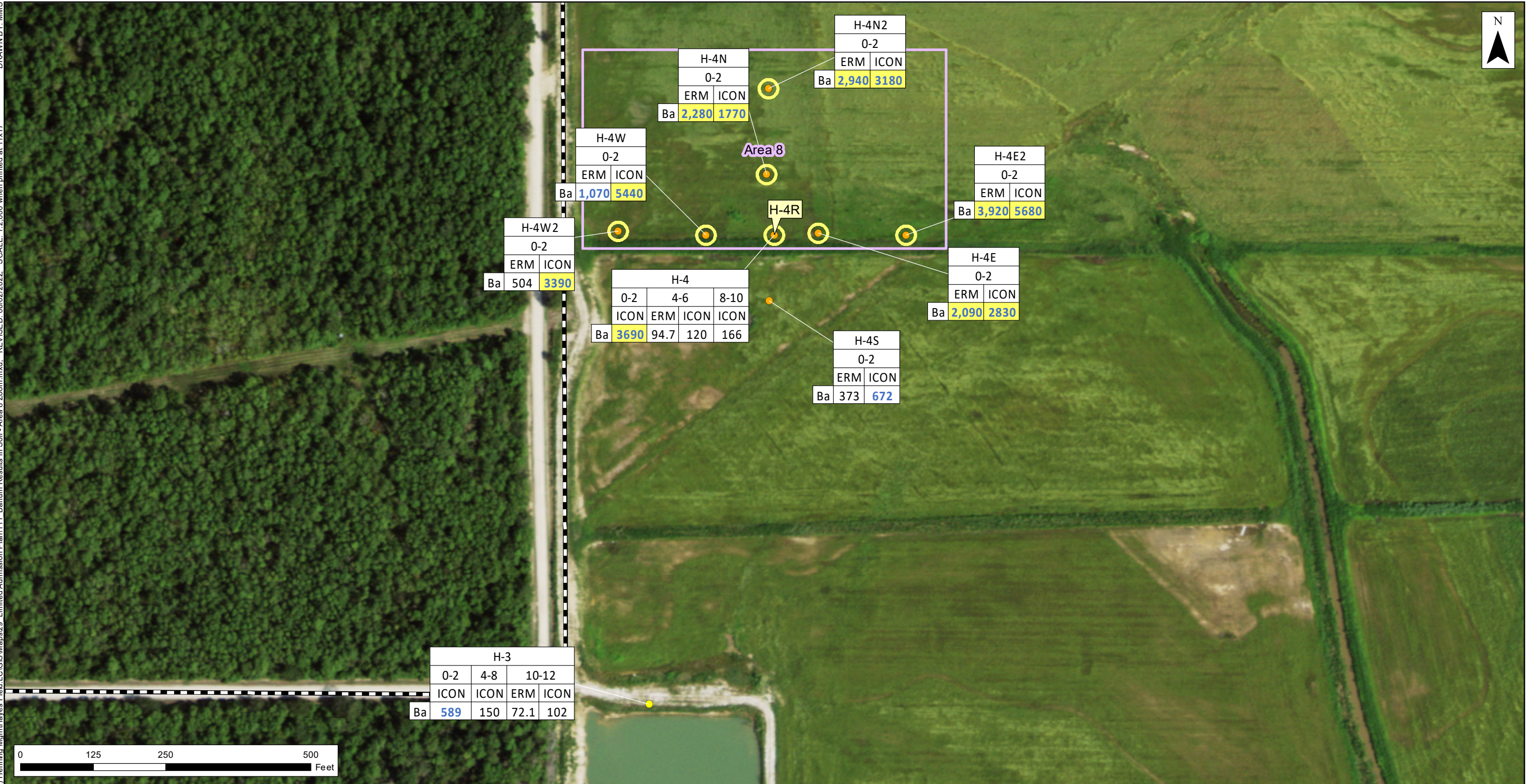


- Property
- ERM Soil Sample Location
- ICON Soil Sample Location
- HLP Soil Sample Location
- Ba Concentrations in Soil > 1600mg/kg
- Chevron Limited Admission Areas**
- Area 6

**Notes:**  
 Concentrations are reported in mg/kg.  
**Bold Blue** values exceed the RECAP screening standard (550 mg/kg)  
 Highlighted values exceed the delineation standard (1,600 mg/kg; RECAP updated screening value)  
 2019 Aerial via Earth Explorer

**Figure 110**  
**Barium Results in Soil - Area 6 Zoom**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

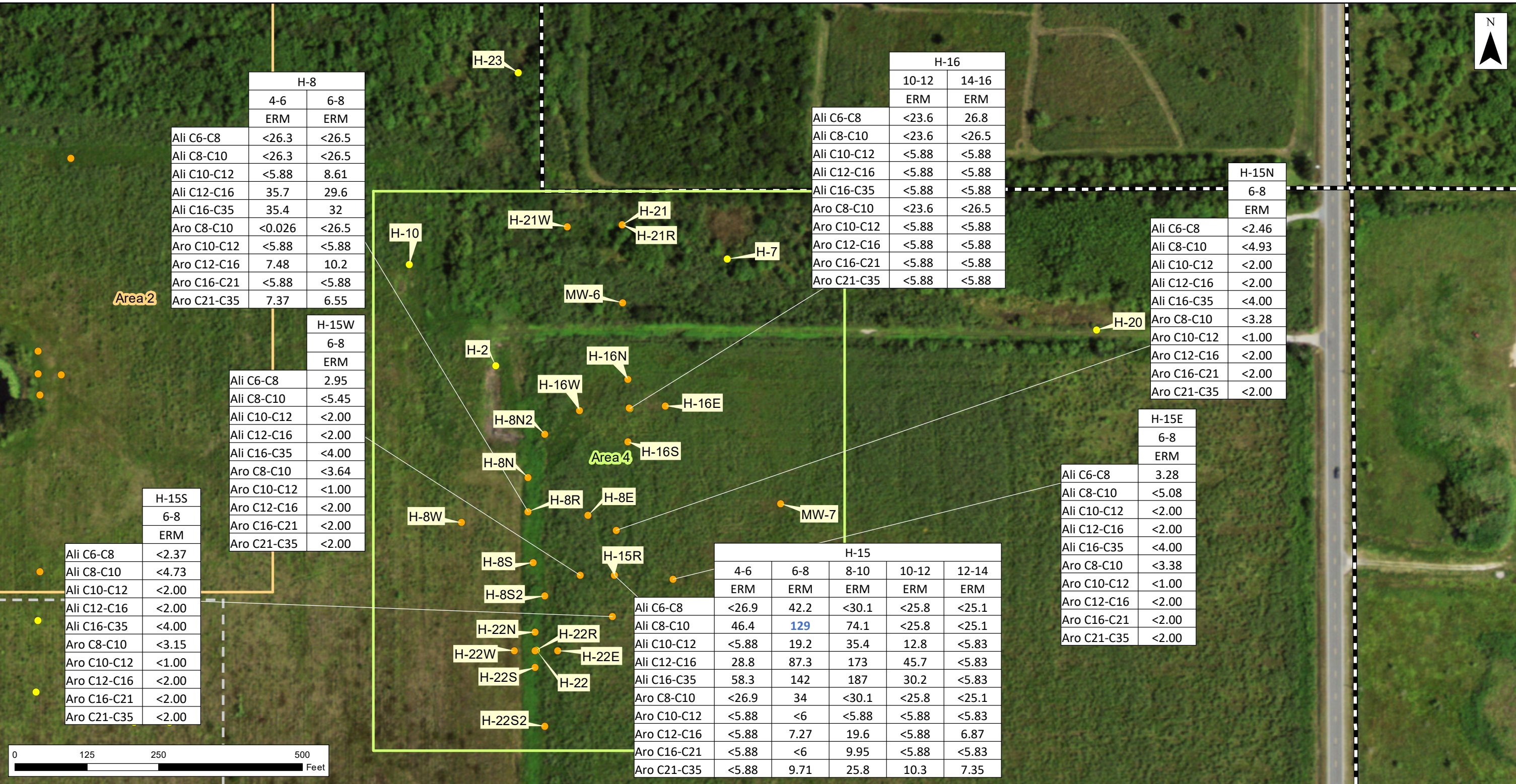
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 Q:\Houston\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt\Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\111 Barium Results in Soil - Area 8 Zoom.mxd. REVISED: 08/02/2022. SCALE: 1:2,000 when printed at 11x17



- Property
- ERM Soil Sample Location
- ICON Soil Sample Location
- Ba Concentrations in Soil > 1600mg/kg
- Chevron Limited Admission Areas**
- Area 8

Notes:  
 Concentrations are reported in mg/kg.  
**Bold Blue** values exceed the RECAP screening standard (550 mg/kg)  
 Highlighted values exceed the delineation standard (1,600 mg/kg; RECAP updated screening value)  
 2019 Aerial via Earth Explorer

**Figure 111**  
**Barium Results in Soil - Area 8 Zoom**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



- Property
- ERM Soil Sample Location
- ICON Soil Sample Location
- Chevron Limited Admission Areas**
- Area 2
- Area 4
- Other Sampling Areas – Outside Chevron Limited Admission

Notes:  
**Bold Blue** values exceed the RECAP screening standard  
 Concentrations are reported in mg/kg.  
 2019 Aerial via Earth Explorer

**Figure 112**  
**Hydrocarbon Fraction Results in Soil - Area 4 Zoom**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



Q:\Houston\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt\Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\113 Hydrocarbon Fraction Results in Soil - Area 5 Zoom.mxd. REVISED: 08/02/2022. SCALE: 1:1,500 when printed at 11x17 DRAWN BY: MMS

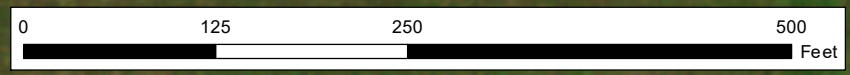
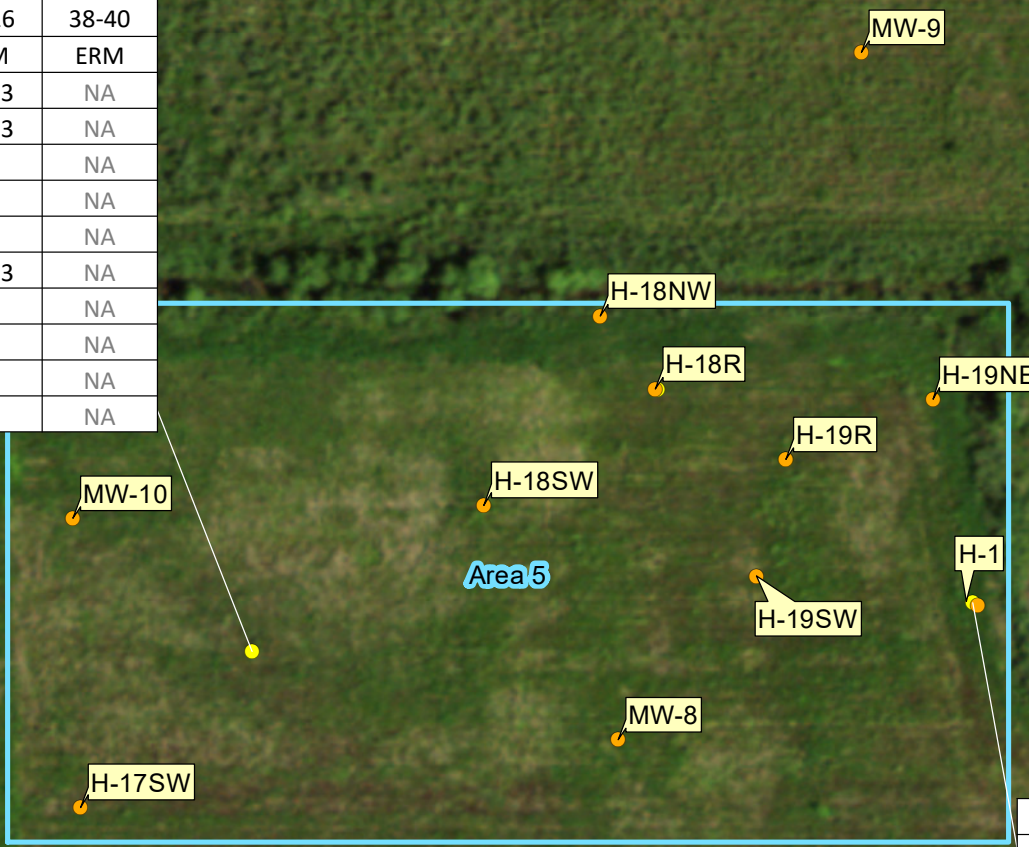


	H-17						
	4-6	6-8	8-10	10-12	12-14	14-16	38-40
	ERM	ERM	ERM	ERM	ERM	ERM	ERM
Ali C6-C8	<22.5	<22.7	38.8	<26.2	<28.9	<25.3	NA
Ali C8-C10	28.7	79.3	44.4	<26.2	<28.9	<25.3	NA
Ali C10-C12	11	8	<5.83	<5.71	<6	<6	NA
Ali C12-C16	59.2	29.9	20	10.9	<6	<6	NA
Ali C16-C35	44.7	27.5	14	<5.71	<6	<6	NA
Aro C8-C10	<22.5	<22.7	<23.3	<26.2	<28.9	<25.3	NA
Aro C10-C12	<5.88	<6	<5.83	<5.71	<6	<6	NA
Aro C12-C16	7.51	10.3	<5.83	<5.71	<6	<6	NA
Aro C16-C21	<5.88	<6	<5.83	<5.71	<6	<6	NA
Aro C21-C35	<5.88	<6	<5.83	<5.71	<6	<6	NA

	H-1E
	0-2
	ERM
Ali C6-C8	3.48
Ali C8-C10	<4.94
Ali C10-C12	<2.00
Ali C12-C16	<2.00
Ali C16-C35	<4.00
Aro C8-C10	<3.29
Aro C10-C12	<1.00
Aro C12-C16	<2.00
Aro C16-C21	<2.00
Aro C21-C35	<2.00

	H-1SE
	0-2
	ERM
Ali C6-C8	2.68
Ali C8-C10	<5.22
Ali C10-C12	<2.00
Ali C12-C16	<2.00
Ali C16-C35	<4.00
Aro C8-C10	<3.48
Aro C10-C12	<1.00
Aro C12-C16	<2.00
Aro C16-C21	<2.00
Aro C21-C35	<2.00

	H-1R
	0-2
	ERM
Ali C6-C8	<2.40
Ali C8-C10	<4.81
Ali C10-C12	<2.00
Ali C12-C16	<2.00
Ali C16-C35	<4.00
Aro C8-C10	<3.21
Aro C10-C12	<1.00
Aro C12-C16	<2.00
Aro C16-C21	<2.00
Aro C21-C35	<2.00

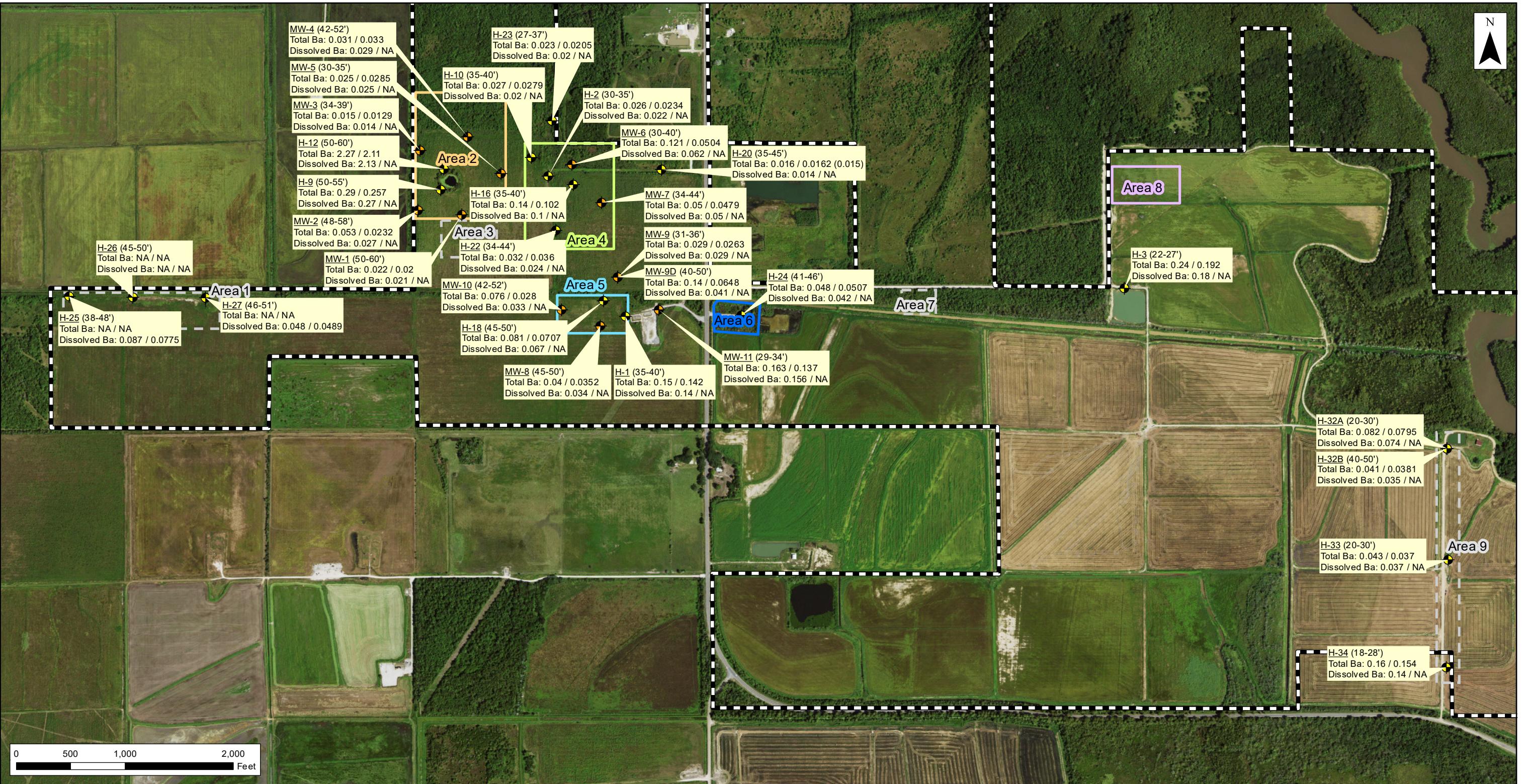


- Property
- ERM Soil Sample Location
- ICON Soil Sample Location
- HLP Soil Sample Location
- Chevron Limited Admission Areas**
- Area 5

Notes:  
 Concentrations are reported in mg/kg.  
 2019 Aerial via Earth Explorer

**Figure 113**  
**Hydrocarbon Fraction Results in Soil - Area 5 Zoom**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

DRAWN BY: SAW  
 Q:\Houston\Projects\0526033 Kean Miller LLP (CVX) Henning Mgmt\Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\114 Barium in Groundwater.mxd. REVISED: 08/02/2022. SCALE: 1:10,697 when printed at 11x17  
 Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N



**Property**

ERM Monitoring Well

ICON Monitoring Well

**Chevron Limited Admission Areas**

- Area 2
- Area 4
- Area 5
- Area 6
- Area 8

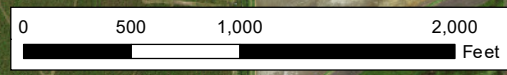
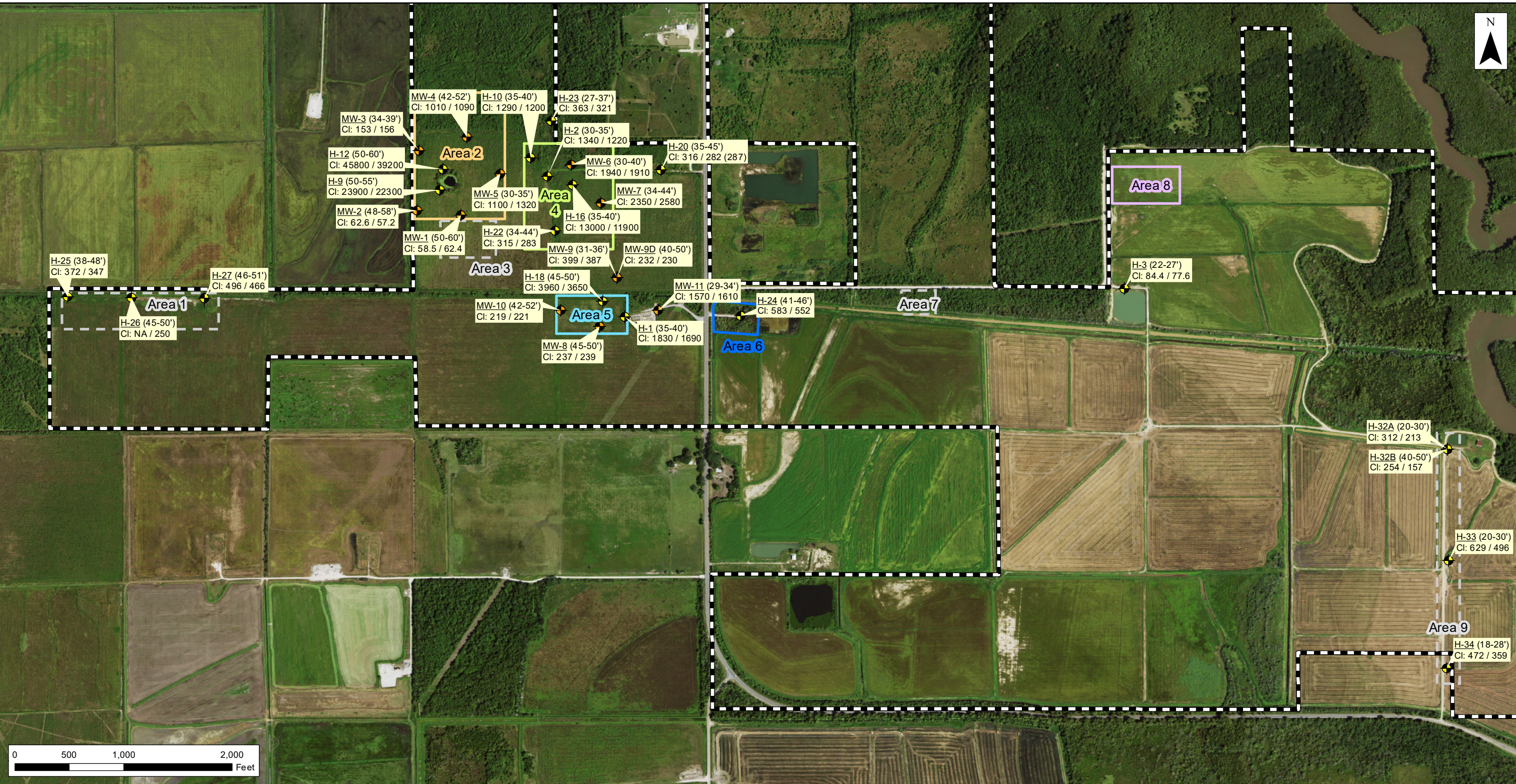
Other Sampling Areas – Outside Chevron Limited Admission

Well ID (Screened Interval)  
Parameter: ERM Result / ICON Result

Notes:  
 NA - Not Analyzed  
 Concentrations reported as mg/l.  
 2019 Aerial via Earth Explorer

**Figure 114**  
**Barium in Groundwater**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

DRAWN BY: SAW  
 Q:\Houston\Projects\0526033 Kean Miller, LLP (CVX) Henning Mgmt\Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\115 Chloride in Groundwater.mxd, REVISED: 08/02/2022, SCALE: 1:10,697 when printed at 11x17

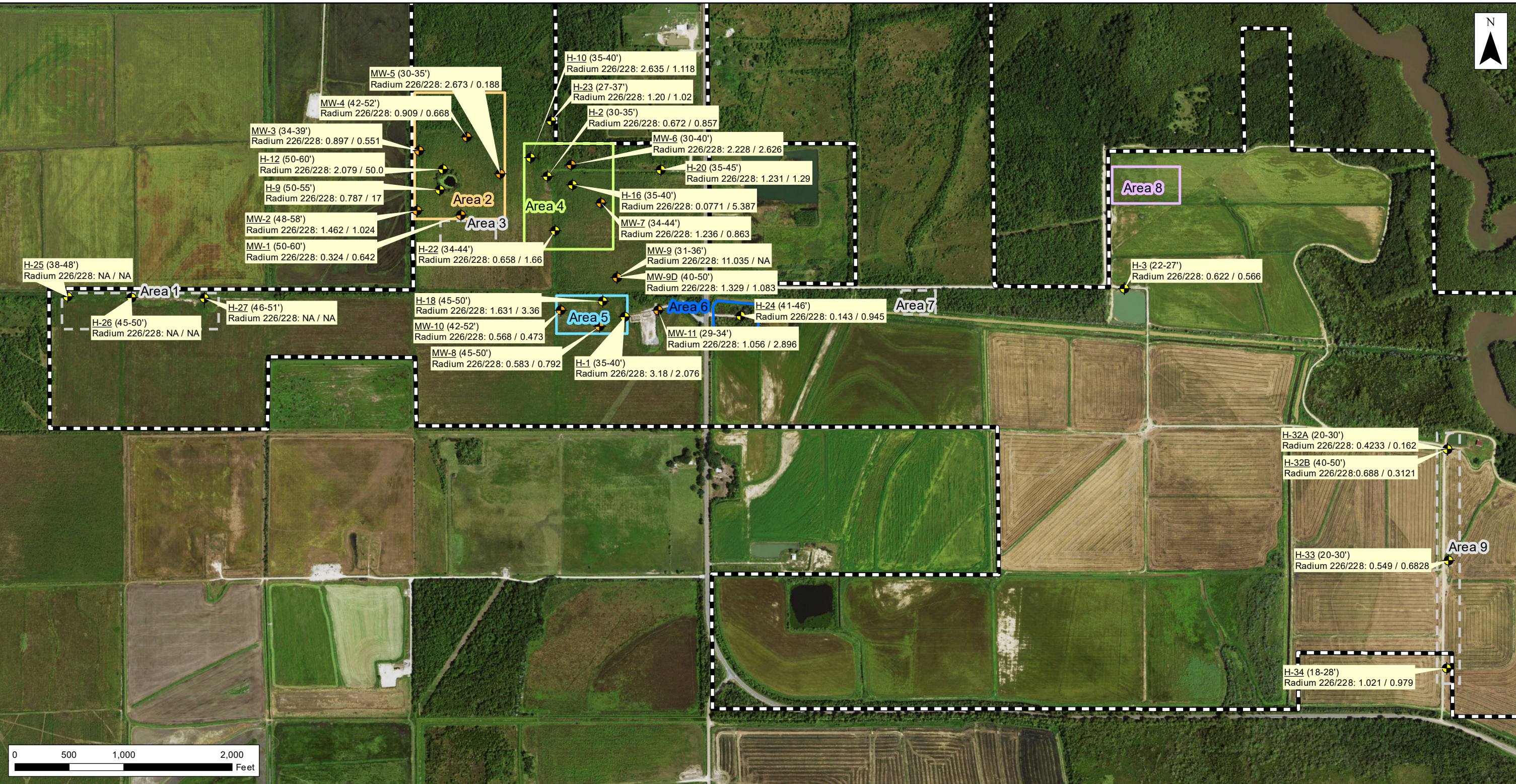


	Property		Area 2		Well ID (Screened Interval) Parameter: ERM Result / ICON Result
	ERM Monitoring Well		Area 4		
	ICON Monitoring Well		Area 5		
			Area 6		
			Area 8		
	Other Sampling Areas – Outside Chevron Limited Admission				

Notes:  
 NA - Not Analyzed  
 Concentrations reported as mg/l.  
 2019 Aerial via Earth Explorer

**Figure 115**  
**Chloride in Groundwater**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

DRAWN BY: SAW  
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**Property**

- ERM Monitoring Well
- ICON Monitoring Well

**Chevron Limited Admission Areas**

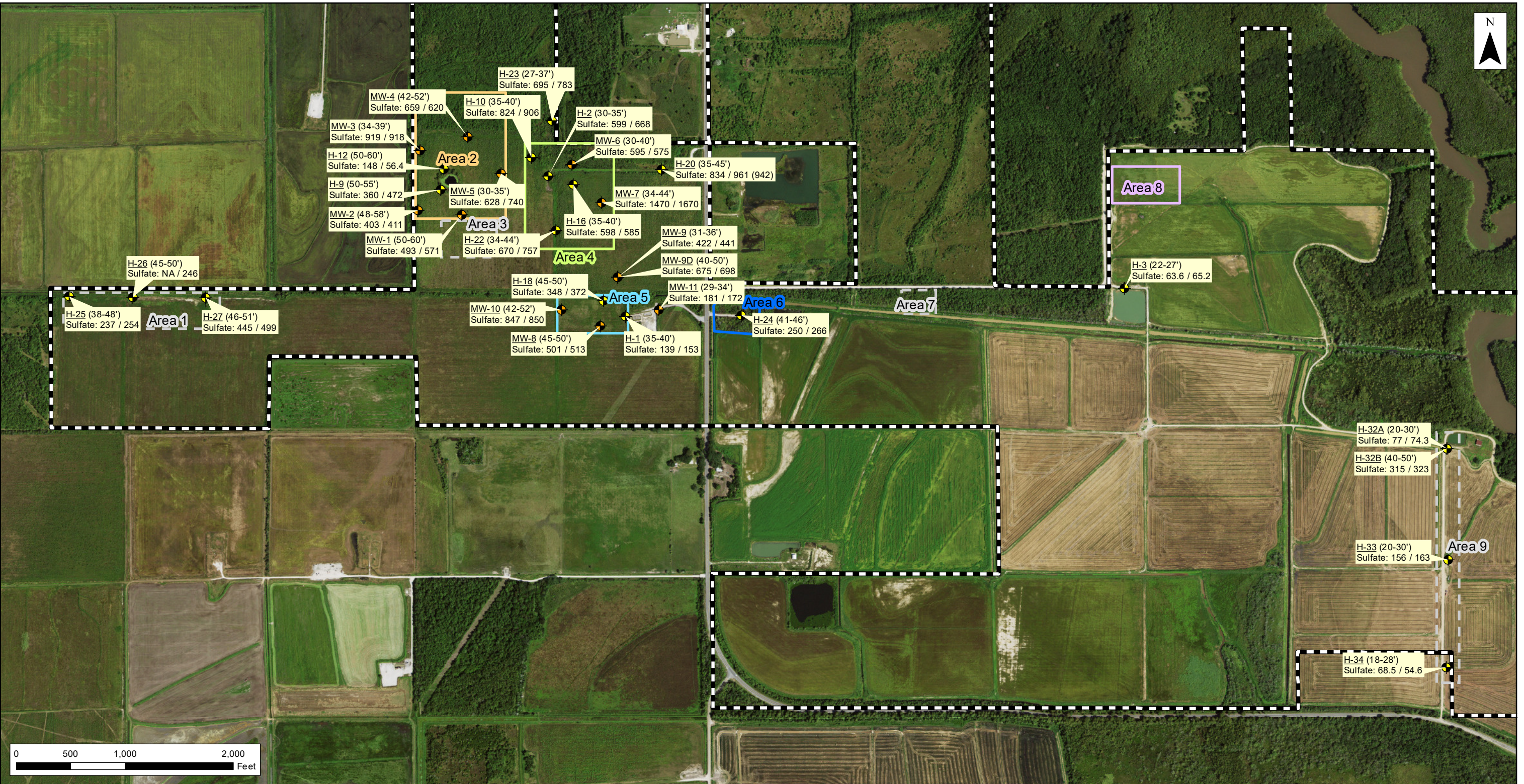
- Area 2
- Area 4
- Area 5
- Area 6
- Area 8
- Other Sampling Areas – Outside Chevron Limited Admission

**Well ID (Screened Interval)**  
**Parameter: ERM Result / ICON Result (Duplicate)**

Notes:  
 NA - Not Analyzed  
 Concentrations reported as pCi/L.  
 2019 Aerial via Earth Explorer

**Figure 116**  
**Radium in Groundwater**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

DRAWN BY: SAW  
 Q:\Houston\Projects\0526033 Kean Miller, LLP (CVX) Henning Mgmt\Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\117 Sulfate in Groundwater.mxd. REVISED: 08/02/2022. SCALE: 1:10,697 when printed at 11x17



**Property**  
 Property

**ERM Monitoring Well**  
 ERM Monitoring Well

**ICON Monitoring Well**  
 ICON Monitoring Well

**Chevron Limited Admission Areas**

- Area 2
- Area 4
- Area 5
- Area 6
- Area 8
- Other Sampling Areas – Outside Chevron Limited Admission

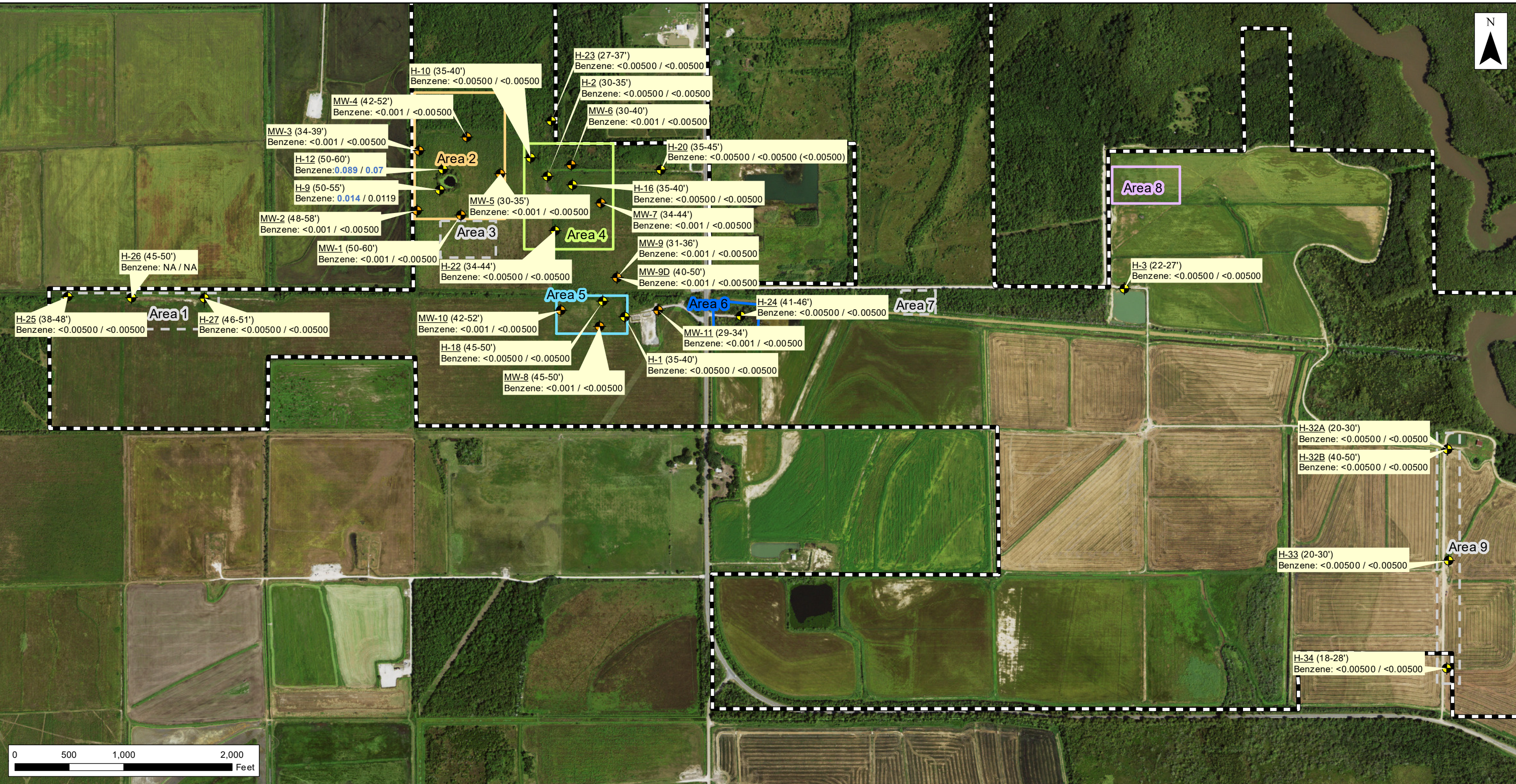
**Well ID (Screened Interval)**  
 Parameter: ERM Result / ICON Result

**Figure 117**  
**Sulfate in Groundwater**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

Notes:  
 NA - Not Analyzed  
 Concentrations reported as mg/l.  
 2019 Aerial via Earth Explorer

Environmental Resources Management  
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 Q:\Houston\Projects\0526033 Kean Miller, LLP (CVX) Henning Mgmt\Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\118 Benzene in Groundwater.mxd. REVISED: 06/02/2022. SCALE: 1:10,697 when printed at 11x17



**Property**

- Property boundary (dashed line)

**ERM Monitoring Well**

- Yellow diamond symbol

**ICON Monitoring Well**

- Black diamond symbol

**Chevron Limited Admission Areas**

- Area 2 (orange outline)
- Area 4 (green outline)
- Area 5 (light blue outline)
- Area 6 (blue outline)
- Area 8 (purple outline)

**Other Sampling Areas – Outside Chevron Limited Admission**

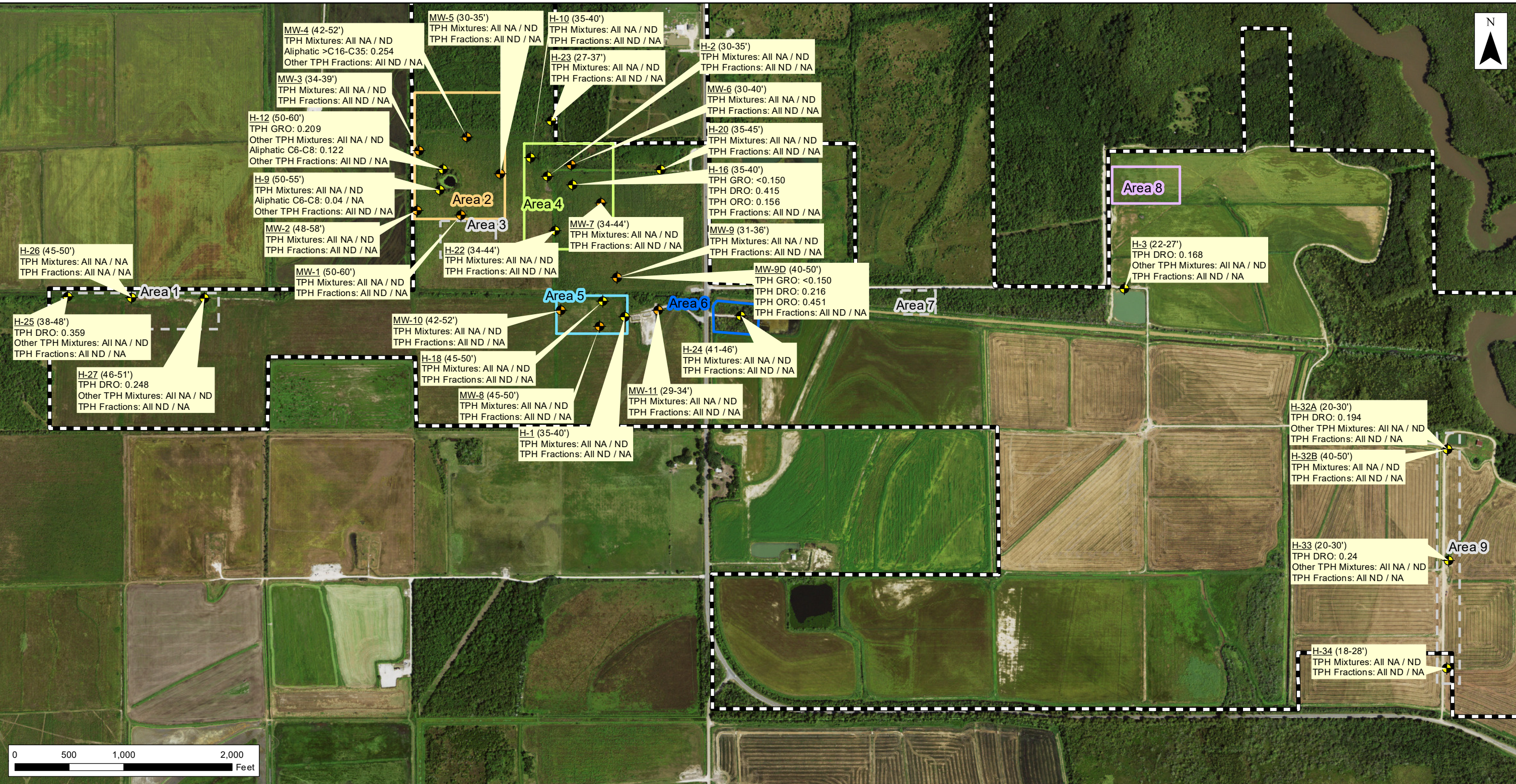
- Area 1 (black dashed outline)
- Area 3 (black dashed outline)
- Area 7 (black dashed outline)
- Area 9 (black dashed outline)

**Well ID (Screened Interval)**  
Parameter: ERM Result / ICON Result

Notes:  
 NA - Not Analyzed  
 Exceedances of RECAP GW<sub>3NDW</sub> standard are shown in **Bold Blue**.  
 2019 Aerial via Earth Explorer

**Figure 118**  
**Benzene in Groundwater**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

DRAWN BY: SAW  
 REVISED: 08/02/2022. SCALE: 1:10,697 when printed at 11x17  
 Q:\Houston\Projects\0526033 Kean Miller, LLP (CVX) Henning Mgmt\Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\119 Hydrocarbons in Groundwater.mxd

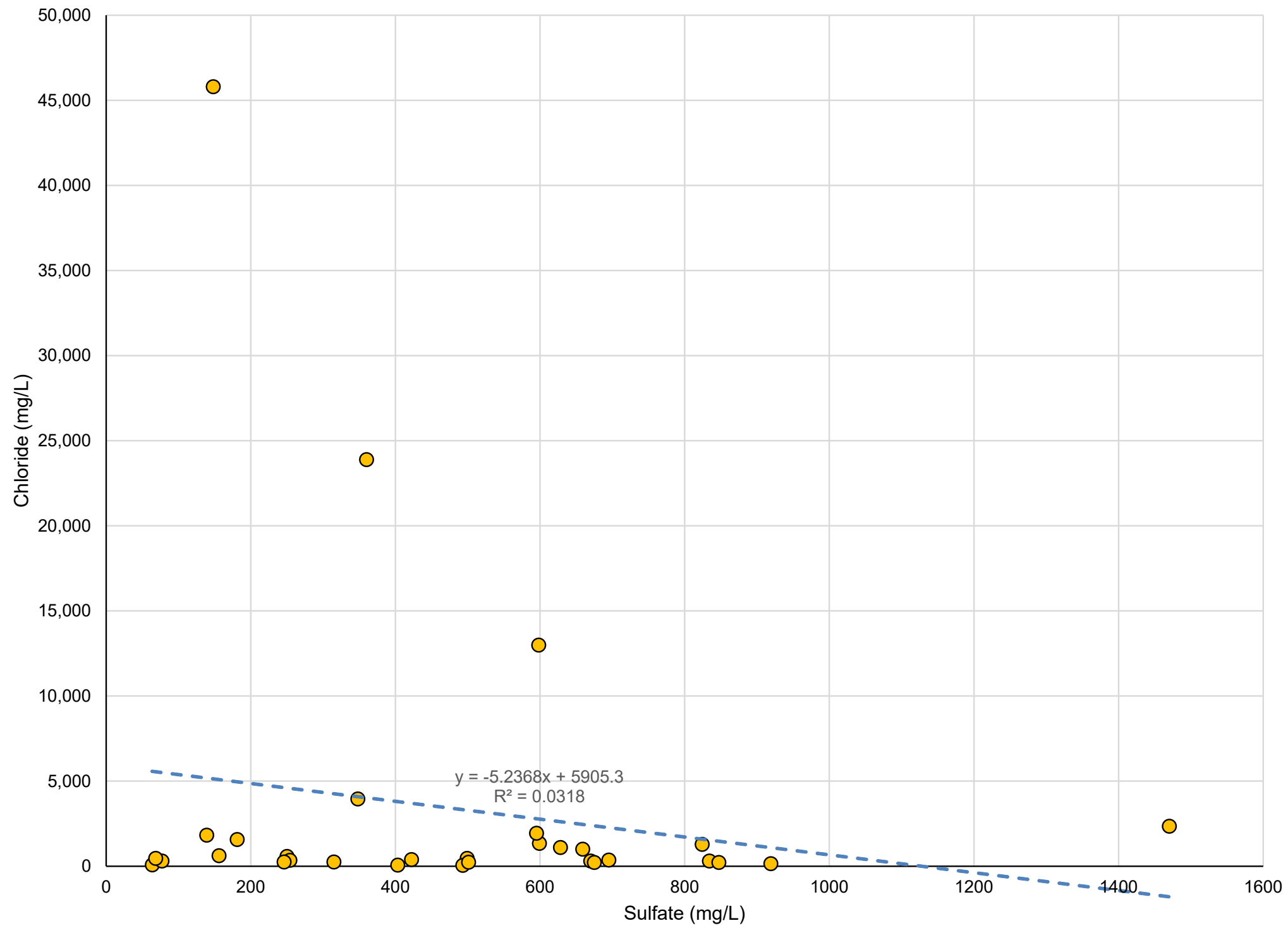


	Property		Area 2
	ERM Monitoring Well		Area 4
	ICON Monitoring Well		Area 5
			Area 6
			Area 8
	Other Sampling Areas – Outside Chevron Limited Admission		

Well ID (Screened Interval)  
 Parameter: ERM Result / ICON Result

Notes:  
 NA - Not Analyzed  
 ND - Not Detected  
 Concentrations reported as mg/l.  
 2019 Aerial via Earth Explorer

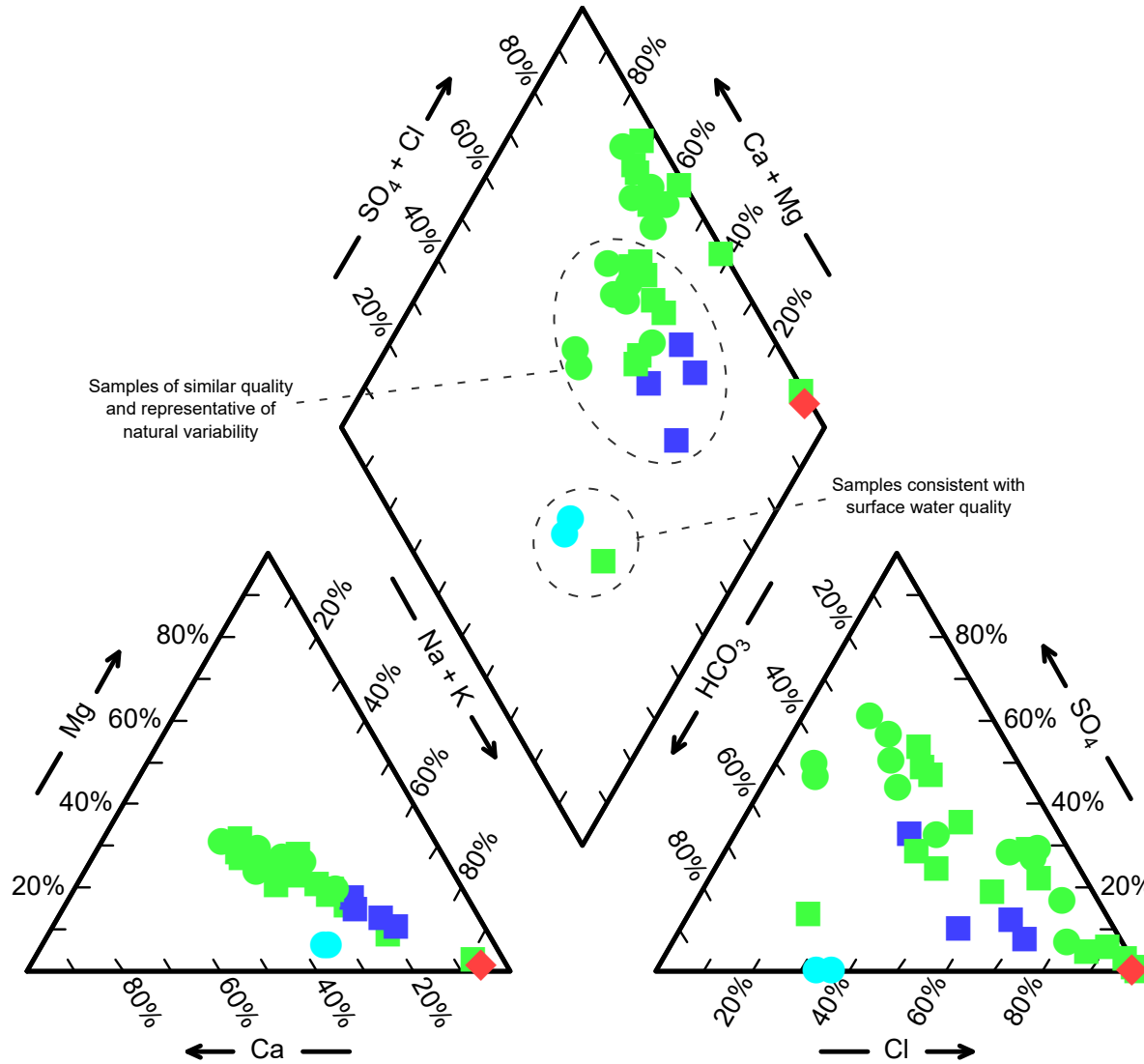
**Figure 119**  
**Hydrocarbons in Groundwater**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



- Groundwater Sample
- - - Linear Trendline

**Figure 120**  
**Chloride vs. Sulfate in Groundwater**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana





**Legend**

- Groundwater Sample Clearly Representative of Natural Conditions
- ICON Monitoring Well Groundwater Sample
- ERM Monitoring Well Groundwater Sample
- Blowout Pond Surface Water Sample
- ◆ Produced Water Sample

**Notes:**

Groundwater samples clearly representative of natural conditions (H-32A, H-32B, H-33, and H-34) based on laboratory results and distance from former oilfield operational areas.

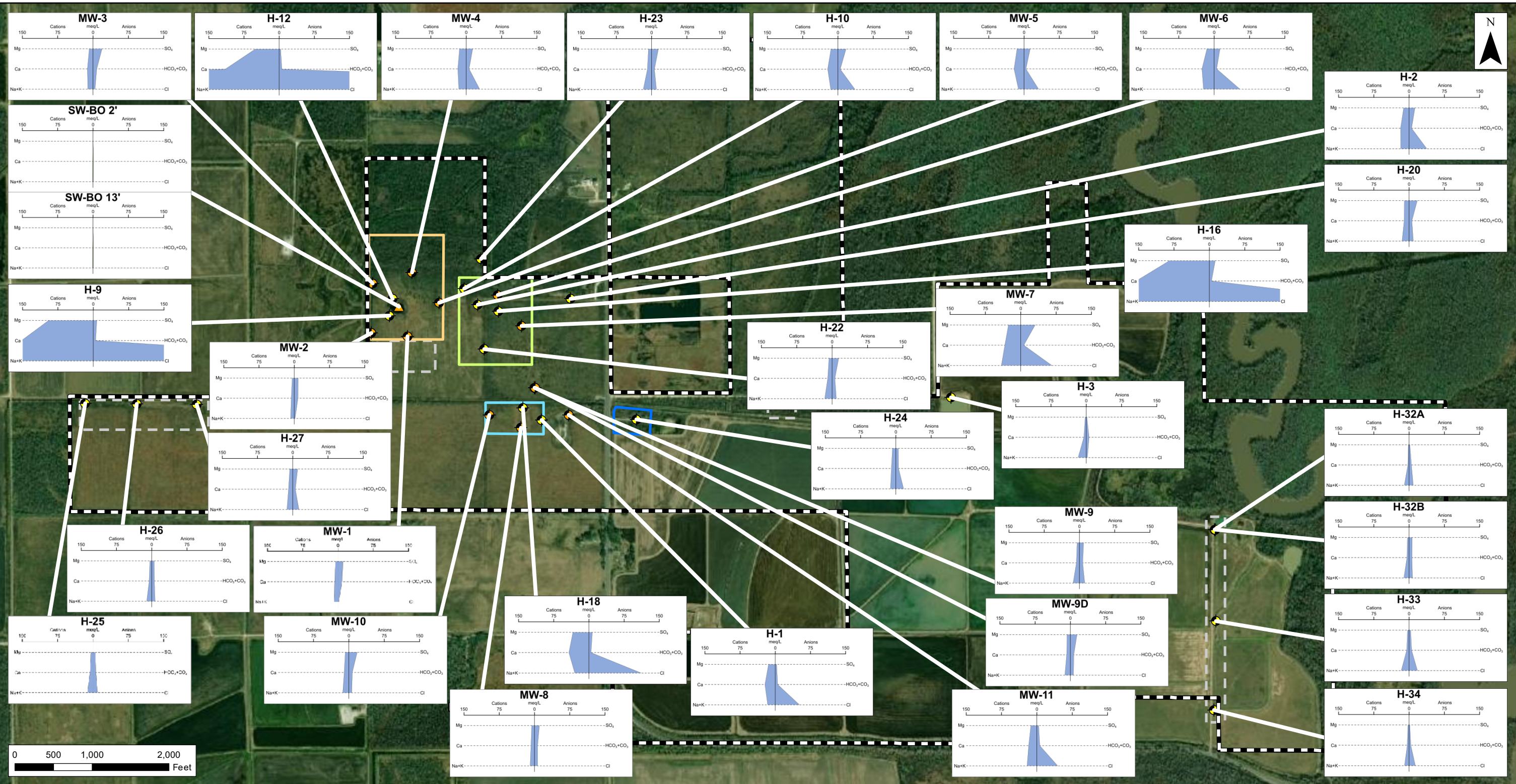
Samples of similar quality and representative of natural variability are H-20, H-22, H-23, H-24, H-25, H-26, H-27, MW-1, MW-2, MW-3, MW-8, MW-9, MW-9D, and MW-10.

Samples consistent with surface water quality are SW-BO 2', SW-BO 13', and H-3. 4/7/1983 produced water analysis from Hayes field.

**Figure 121  
Piper Diagram**

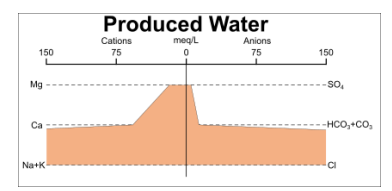
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana

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 Q:\Houston\Projects\0526033 Kean Miller, LLP (CVX) Henning Mgmt-Hayes Field.LC\GIS\Maps\29 Limited Admission Plan\122 Stiff Diagrams.mxd. REVISED: 07/26/2022. SCALE: 1:15,086 when printed at 11x17



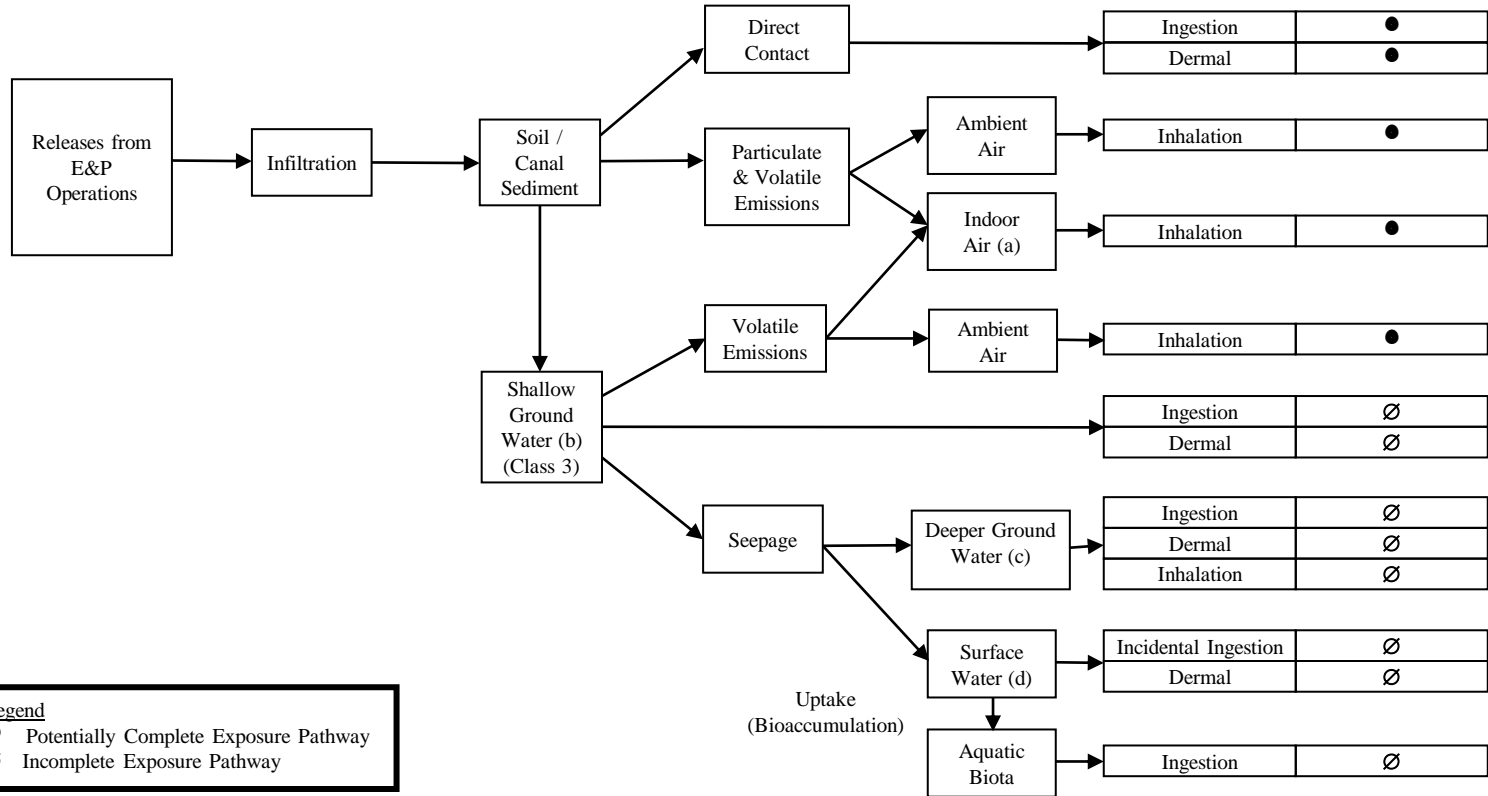
- Property
- ERM Monitoring Well
- ICON Monitoring Well
- ERM Surface Water Sample Location

- Chevron Limited Admission Areas**
- Area 2
  - Area 4
  - Area 5
  - Area 6
  - Area 8
  - Other Sampling Areas – Outside Chevron Limited Admission



Notes:  
 4/7/1983 produced water analysis from Hayes field.  
 ICON data shown from H-25, H-26, and H-27.  
 Imagery Basemap via ArcGIS Online.

**Figure 122**  
**Stiff Diagrams**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



**Legend**  
 ● Potentially Complete Exposure Pathway  
 ∅ Incomplete Exposure Pathway

- Notes:
- (a) There are no slab on grade (enclosed) structures within Areas of Investigation. This is evaluated as a hypothetical pathway for volatile organic constituents (VOC) detected above screening standards (e.g., benzene in ground water).
  - (b) The laterally variable and discontinuous shallow water-bearing zone is identified as Class 3A in accordance with RECAP and has no identified uses. Therefore, there is no exposure and no risk of potential health effects associated with direct exposure to constituents in the groundwater.
  - (c) A primarily clay confining unit ranging in thickness from approximately 120 to 200 feet overlies the Chicot Aquifer in the area of the site, providing protection from surface infiltration.
  - (d) Based on the site-specific hydrogeology and shallow surface water discharge pathway is incomplete and no risk of adverse effects to surface water (or surface water users) is identified.

**FIGURE 123**  
**CONCEPTUAL SITE MODEL**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

\usbfds\02\data\Houston\Projects\0526033\_Kean\_Miller\_LLP\_(CVX)\Henning\_Mgmt\Hayes\_Field\LC\GIS\Maps\29\_Limited Admission Plan\124\_Proposed Soil Sample Locations - Area 2.mxd, REVISED: 07/26/2022, SCALE: 1:1,750, when printed at 8.5x11 DRAWN BY: SAH

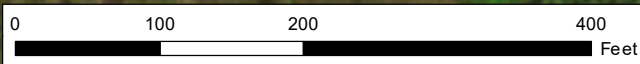
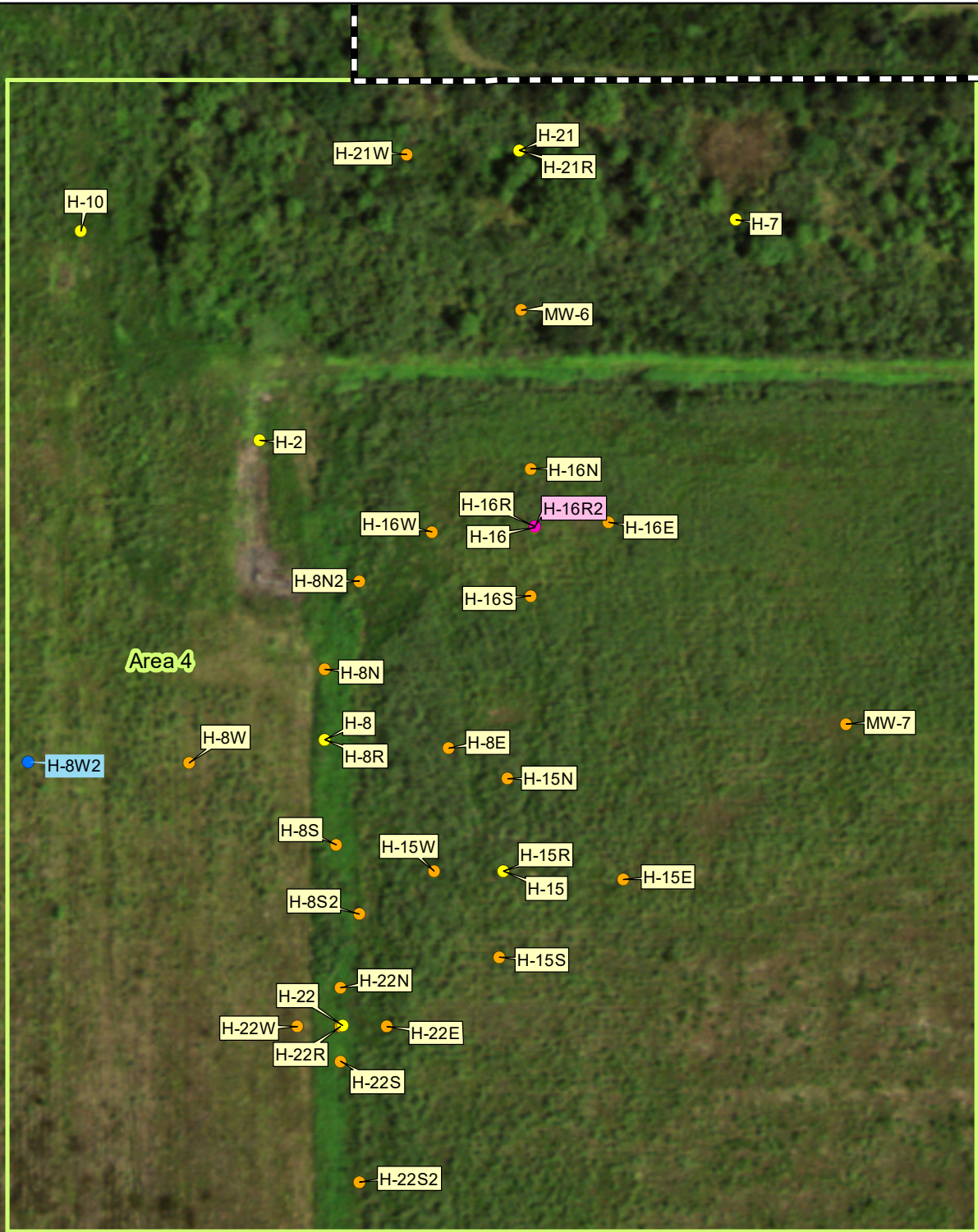


- Property
- Chevron Limited Admission Areas**
- Area 2
  - Proposed Barium Delineation Sample
  - ERM Soil Sample Location
  - ICON Soil Sample Location

Notes:  
2019 aerial via USGS Earth Explorer.

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**Figure 124**  
**Proposed Soil Sample Locations – Area 2**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana



**Chevron Limited Admission Areas**

- Area 4
- Proposed Barium Delineation Sample
- Contingent SPLP Chloride Sample
- ERM Soil Sample Location
- ICON Soil Sample Location

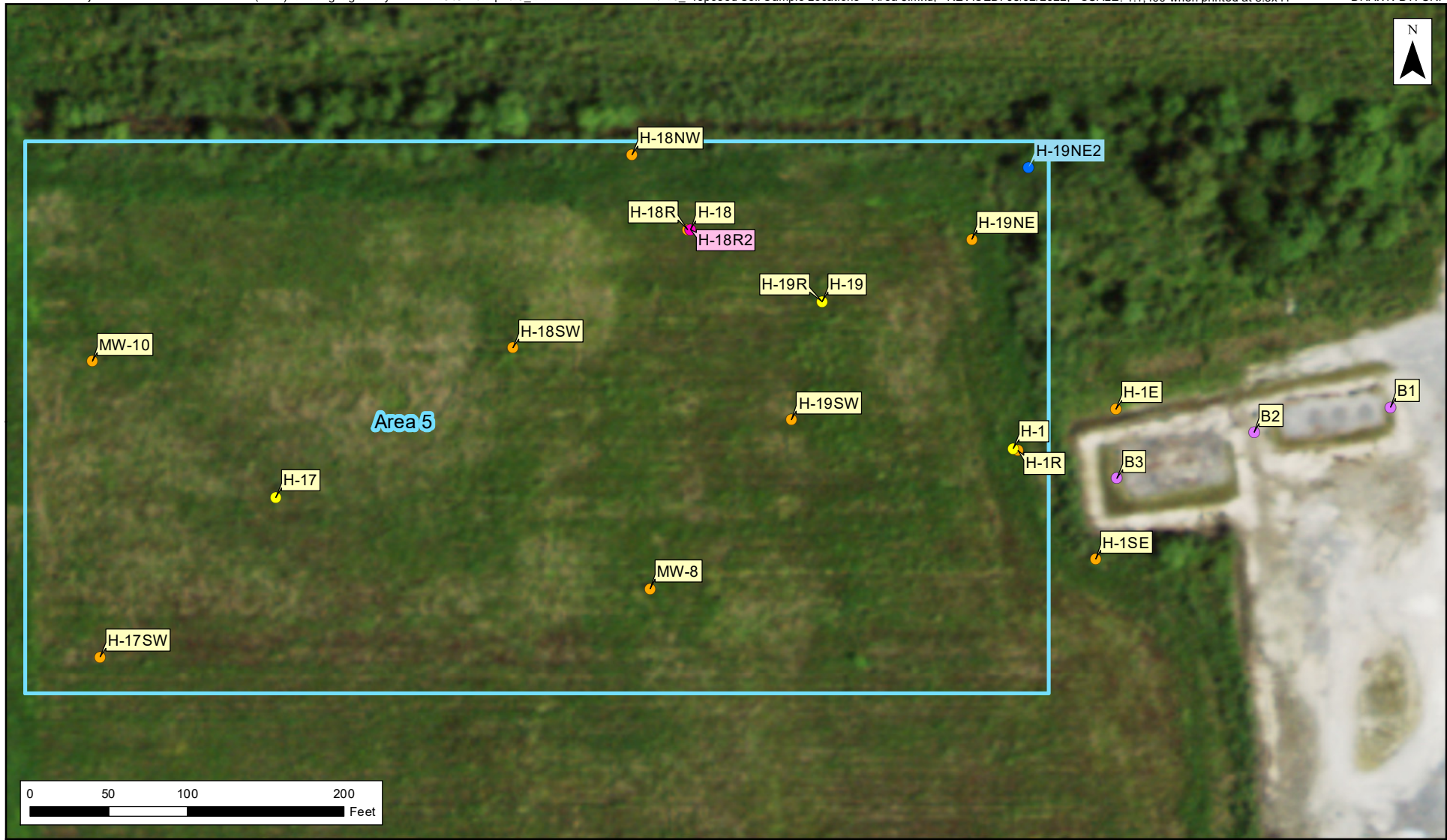
Notes:  
2019 aerial via USGS Earth Explorer.

**Figure 125**

**Proposed Soil Sample Locations – Area 4**

Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana





Property

**Chevron Limited Admission Areas**

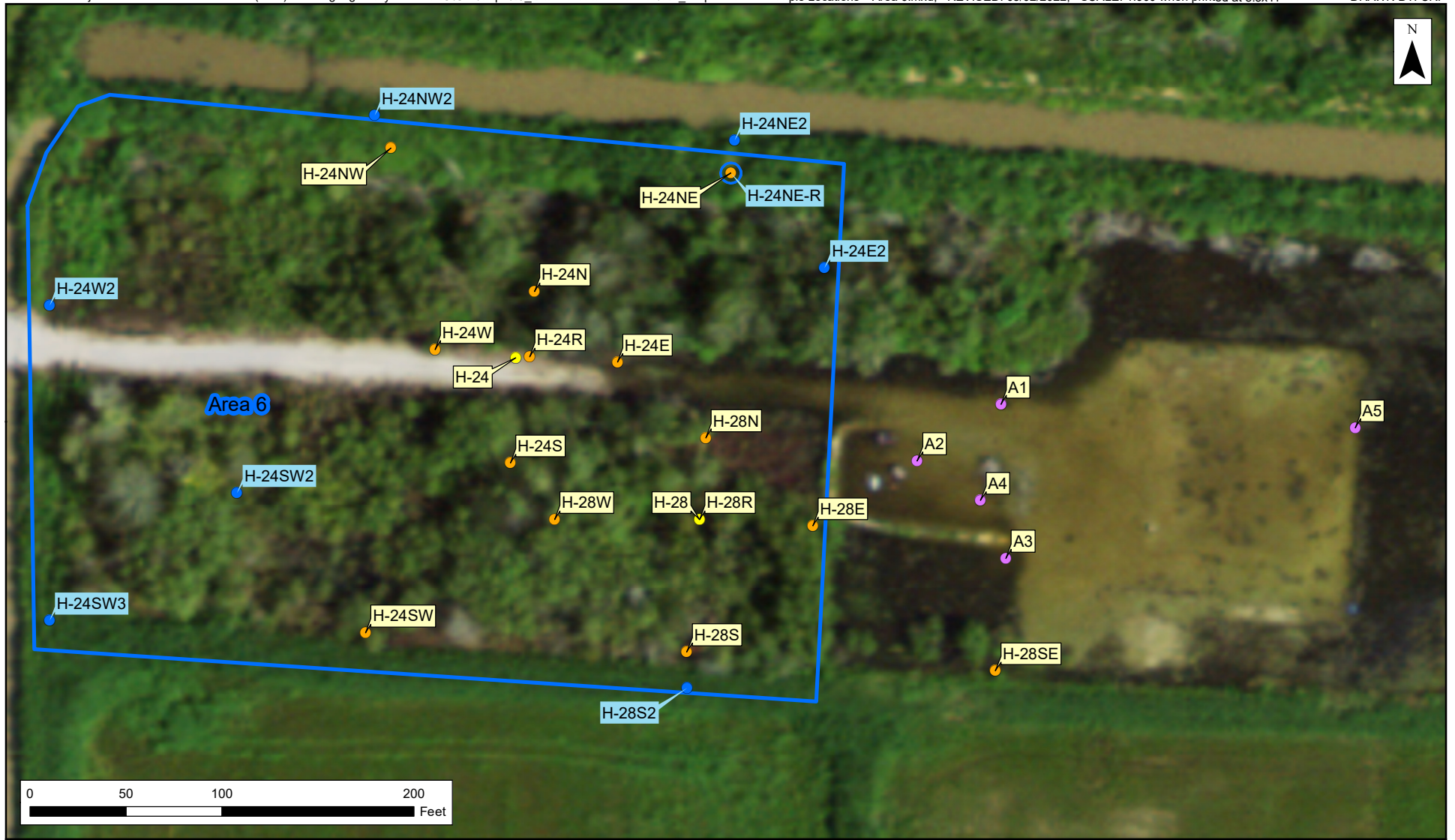
Area 5

- Proposed Barium Delineation Sample
- Contingent SPLP Chloride Sample
- ERM Soil Sample Location
- ICON Soil Sample Location

HLP Soil Sample Location

**Figure 126**  
**Proposed Soil Sample Locations - Area 5**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

Notes:  
 2019 aerial via USGS Earth Explorer.



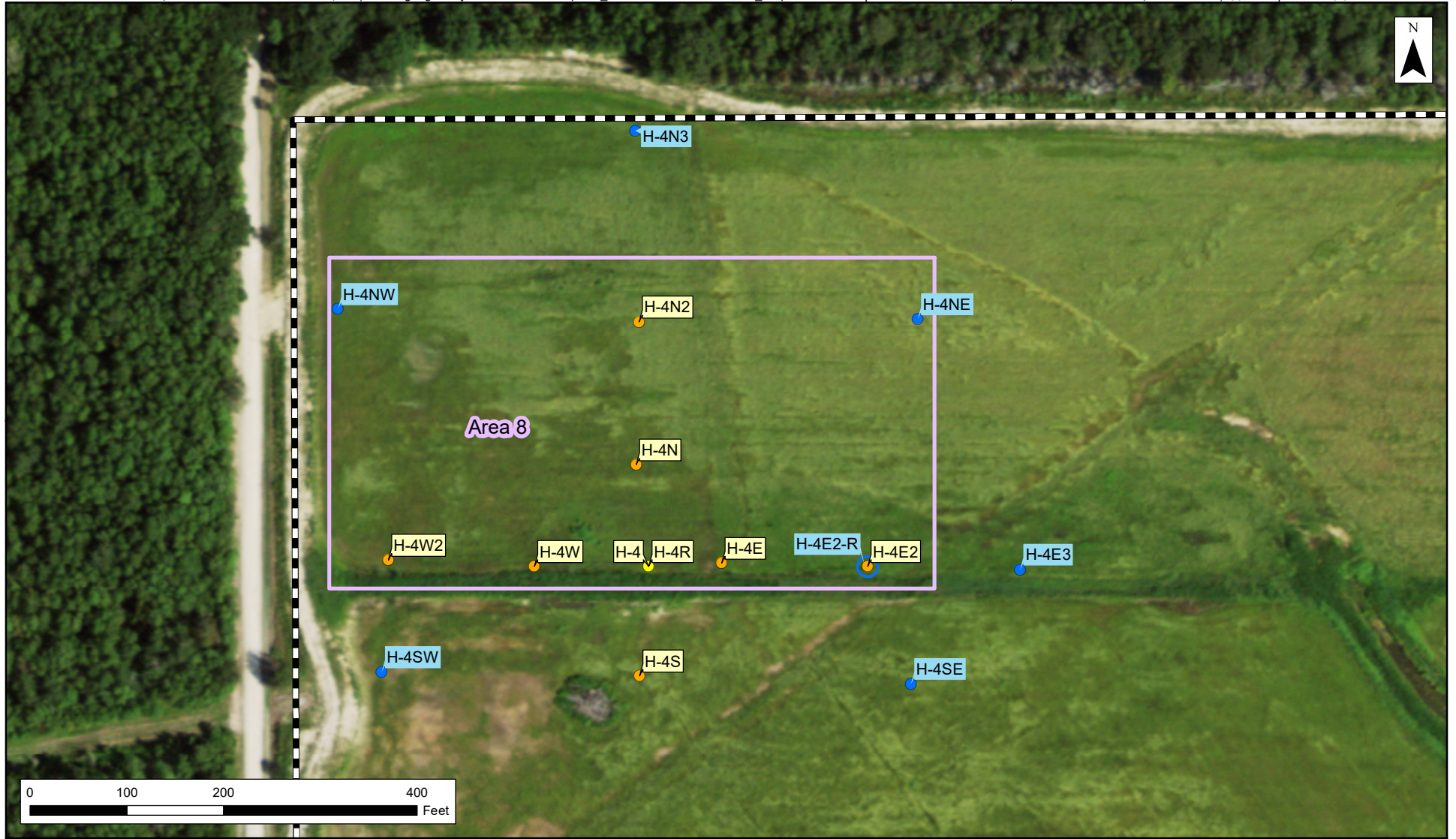
- Property
- Chevron Limited Admission Areas
- Area 6
- Proposed Barium Delineation Sample
- Proposed Barium Resample
- ERM Soil Sample Location
- ICON Soil Sample Location

HLP Soil Sample Location

Notes:  
2019 aerial via USGS Earth Explorer.

**Figure 127**  
**Proposed Soil Sample Locations - Area 6**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana





Property

**Chevron Limited Admission Areas**

Area 8





- Proposed Barium Delineation Sample
- Proposed Barium Resample
- ERM Soil Sample Location
- ICON Soil Sample Location

Notes:  
2019 aerial via USGS Earth Explorer.

**Figure 128**  
**Proposed Soil Sample Locations - Area 8**  
Henning Management, L.L.C. v.  
Chevron U.S.A. Inc., et al.  
Hayes Oil & Gas Field  
Calcasieu and Jefferson Davis Parishes, Louisiana





-  Property
-  Proposed New Monitoring Well Location
-  Proposed Groundwater Monitoring Network Well
-  Proposed Groundwater Resample Location

**Chevron Limited Admission Areas**

-  Area 2

**Figure 129**  
**Proposed Groundwater Monitoring Network**  
 Henning Management, L.L.C. v.  
 Chevron U.S.A. Inc., et al.  
 Hayes Oil & Gas Field  
 Calcasieu and Jefferson Davis Parishes, Louisiana

Notes:  
 2019 aerial via USGS Earth Explorer.