
	ILLINOIS DEPARTMENT OF NATURAL RESOURCES	
Office of Oil and Gas Resource Management One Natural Resources Way Springfield, Illinois 62702-1271		
HIGH VOLUME HORIZONTAL HYDRAULIC FRACTURING PERMIT APPLICATION HVHFF-10		

References to "1-xx" or "§1-xx" are to the Hydraulic Fracturing Regulatory Act., 225 ILCS 732/1-1 et seq. References to "240.xxx" and "245.xxx" are to 62 Ill. Admin. Code 240 and 245, respectively.

Attachment: WellSiteSetbackPlan

Please save attachment and use the file name above

Well Site Setback Plan §1-35(b)(3); 245.210(a)(3), 245.210(a)(7), 245.400. (NOTE: PLAT MAP REQUIRED) Distances must be measured horizontally from the nearest edge of the well site. (a) Is the site at least 500' from any residence or place of worship? ___ YES ___ NO

If "no," attach a signed, dated, and notarized copy of all agreements with the adjoining landowner(s).

(b) Is the site at least 500' from the property line of any school, hospital, or licensed nursing home facility? ___ YES ___ NO

If "no," explain:

Is the site at least 500' from the surface location of any water well or developed spring used for human or domestic animal consumption? ___ YES ___ NO

If "no," attach a signed, dated, and notarized copy of all agreements with the adjoining landowner(s).

(c) Is the site at least 300' from the center of all perennial streams and the ordinary high water mark of any river, natural or artificial lake, pond, or reservoir? ___ YES ___ NO

If "no," explain:

If you claim that a water source in question is wholly contained within the property of a landowner who expressly waives the setback requirements, attach a signed, dated and notarized a copy of the agreement with that landowner and describe the water source:

(d) Is the site at least 750 feet from any nature preserve or site on the Register of Land and Water Reserves? ___ YES ___ NO If "no," identify all such preserves or sites:

(e) Is the site at least 1,500 feet from all surface water or groundwater intakes of a public water supply? ___ YES ___ NO

If "no," identify the intake(s):

(f) Please attach to this application a scaled plat map, indicating the scale, and showing

- 1) the proposed unit, including the unit boundaries and the location of the proposed well site, well pad, and well;
- 2) the access road;
- 3) any other operating facilities;
- 4) all the features described in Section 245.400(a) of the Rules and/or §1-35(b)(3) of the Act, providing the distance in feet from the surface location of the well site; and

- 5) all known previous well bores within 750 feet of any part of the horizontal well bore that penetrated within 400 vertical feet of the formation that will be stimulated. If any such well bores are present, include for each well bore the well name, location and permit number.
- (g) Please provide an overhead sketch of the well site layout. Each square represents ____ feet. Include any significant structures such as those identified above, and the containment systems described in the containment plan for this site.

Please state how the size of the well site is sufficient to conduct all aspects of HVHFF operations within its boundaries.

The total well site boundaries including the well pad, pits and freshwater pit is approximately 10.73 acres. The well pad and pits' area is approximately 2.3 acres. The fresh water pit on the will site is approximately 1.47 acres. The total will site is approximately 6.96 acres more than the footprint of the well pad, pits and freshwater pit.

The production facility is 150' by 250' or .86 acres. An area of this size will be able to accommodate the following surface equipment, which will be sufficient for the anticipated production volumes.

- 4 - 12' X 15' Steel Stock Tanks
- 4 - 12' X 15' Fiberglass Water Tanks
- 1 - 6' X 15' Free Water Knockout
- 1 - 30" X 10' Vertical Separator
- 1 - 24" X 10' Vertical Separator
- 1 - 6' X 20' Heater Treater



WOOLSEY OPERATING COMPANY, LLC

125 NORTH MARKET, SUITE 1000, WICHITA, KANSAS 67202-1775

(316) -267-4379 FAX (316) 267-4383

Woolsey Operating Company, LLC

Woodrow #1H-310408-193

White County, Illinois

High Volume Horizontal Hydraulic Fracturing Permit Application

HVHHF-10: Well Site Setback Plan

COMPLIANCE STATEMENT:

The proposed location of the well site is in compliance with the setback requirements of Section 245.400.



BEARINGS REFERENCED
ILLINOIS STATE PLANE
COORDINATE SYSTEM
EAST ZONE
NAD27

104 S. 4th St.
P.O. Box 125
Vienna, IL 62995
618-658-6065

Horizontal Path

Reservoir Intercept
Lat: 38.1365649
Long: -88.3606494

Fresh Water Pit

SITE BOUNDARY

Containment Dike:
Enclosing containers
storing chemicals used
during HVVHF operations
and tanks used during
flow back

Well Site
Lat: 38.1343680
Long: -88.3603830

Access Road

**WELL SITE SETBACK PLAN
WELL PAD DETAIL
WHITE COUNTY, ILLINOIS**

Path: S:\2016\Ameren N.Decatur\Latham-1342\Access Maps

Revisions		
#	Date	Note

Drafted by: K. FIELD
Date: 10/4/2016
Reviewed by: B. ABERNATHY
Scale: 1" = 300'
Job Number: 2016-363
Sheet: 1 of 1

Drawing Status:
 Preliminary Drawing
 Final Drawing

Requested By:



This Professional Service Conforms to
The Current Illinois Minimum Standards
of Practice Applicable To Boundary
Survey

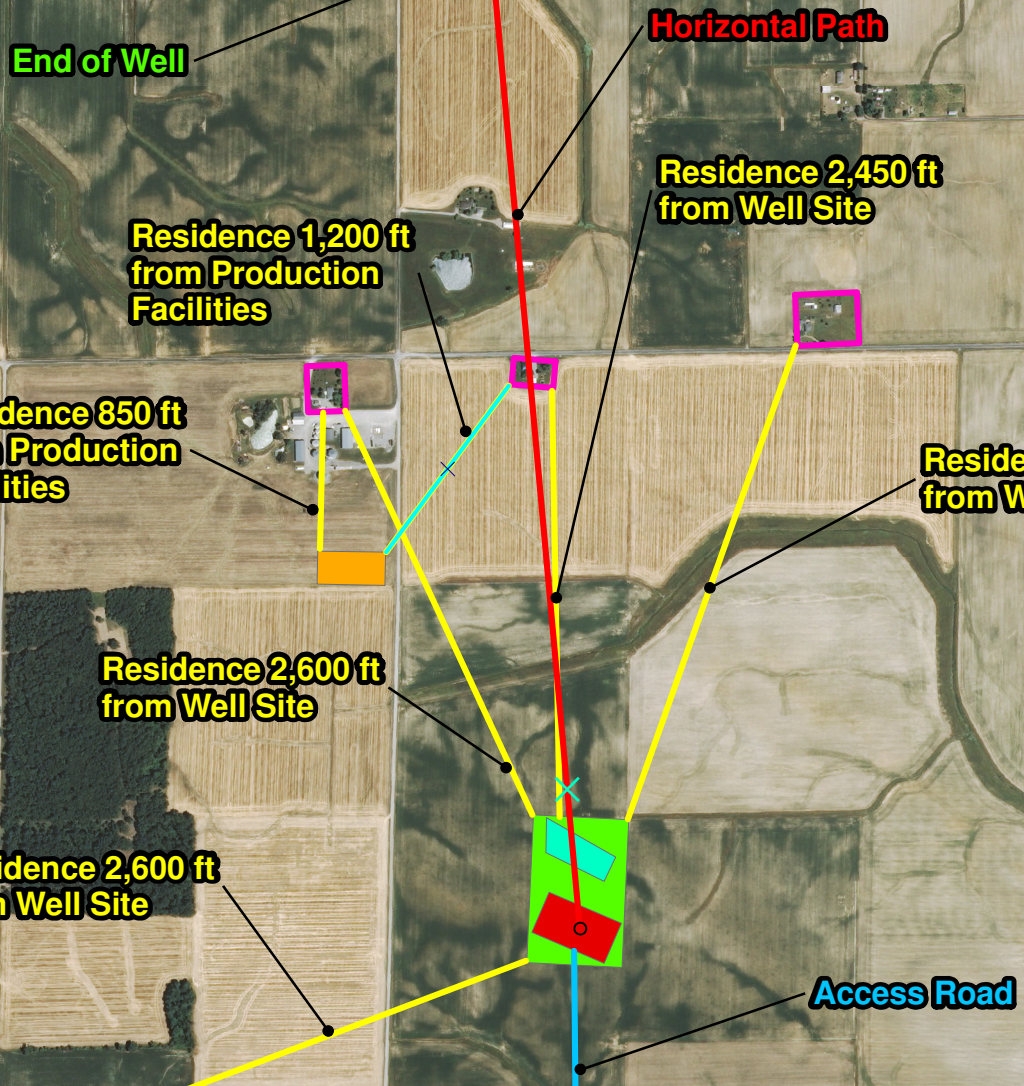
Legend

- Residence
- Reservoir Intercept
- Well Pad & Pits
- Well Site
- Fresh Water Pit
- Production Facilities



BEARINGS REFERENCED
ILLINOIS STATE PLANE
COORDINATE SYSTEM
EAST ZONE
NAD27

104 S. 4th St.
P.O. Box 125
Vienna, IL 62995
618-658-6065



**WELL SITE SETBACK PLAN
EXHIBIT "A"
WHITE & HAMILTON
COUNTIES, ILLINOIS**

Path: S:\2016\Ameren N.Decatur\Latham-1342\Access Maps

Revisions		
#	Date	Note

Drafted by: K. FIELD
Date: 9/26/2016
Reviewed by: B. ABERNATHY
Scale: 1"= 1,100'
Job Number: 2016-363
Sheet: 1 of 1

Drawing Status:
 Preliminary Drawing
 Final Drawing
Requested By:



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BEARINGS REFERENCED
ILLINOIS STATE PLANE
COORDINATE SYSTEM
EAST ZONE
NAD27

104 S. 4th St.
P.O. Box 125
Vienna, IL 62995
618-658-6065

Legend

- Reservoir Intercept
- Water Well
- Production Facilities
- Fresh Water Pit
- Well Site

End of Well

Horizontal Path

Name: Woodrow, Clyde
Status: Water
Depth: 455ft
Driller: George Keen

**900 Ft between
Production Facilities
and Water Well**

**5,900 Ft between
Well Site and
Water Well**

**2,700 Ft between
Well Site and
Water Well**

Well Pad & Pits

Name: Warthen
Status: Plugged
Depth: 4,415ft
Driller: Gerber Energy Corp

**WELL SITE SETBACK PLAN
EXHIBIT "B-2"
WHITE & HAMILTON
COUNTIES, ILLINOIS**

Path: S:\2016\Ameren N.Decatur\Latham-1342\Access Maps

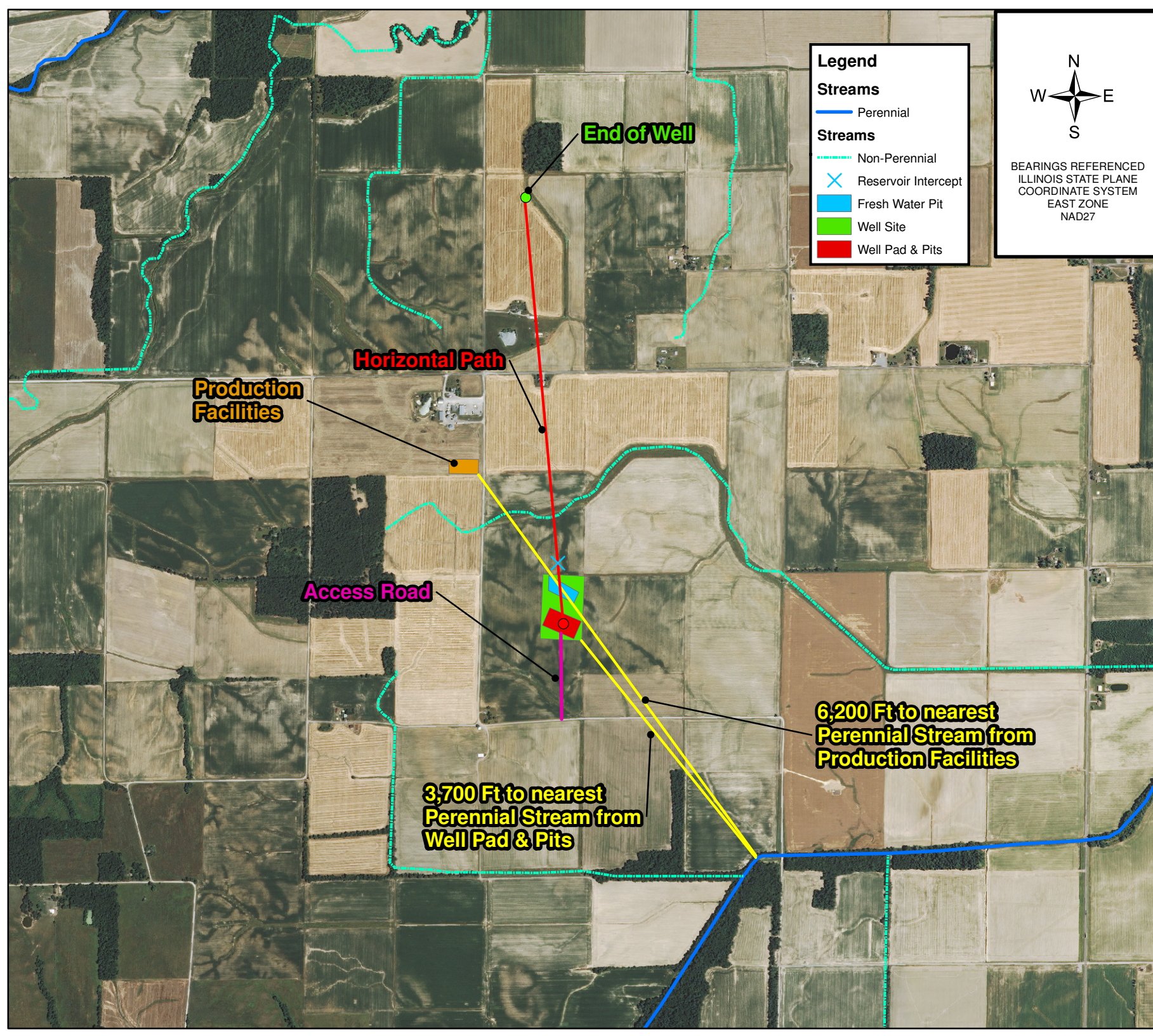
Revisions		
#	Date	Note

Drafted by: K. FIELD
Date: 9/26/2016
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Scale: 1" = 1,200'
Job Number: 2016-363
Sheet: 1 of 1

Drawing Status:
 Preliminary Drawing
 Final Drawing
Requested By:



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Legend

Streams

- Perennial
- Non-Perennial

Streams

- Reservoir Intercept
- Fresh Water Pit
- Well Site
- Well Pad & Pits



BEARINGS REFERENCED
ILLINOIS STATE PLANE
COORDINATE SYSTEM
EAST ZONE
NAD27



104 S. 4th St.
P.O. Box 125
Vienna, IL 62995
618-658-6065

**WELL SITE SETBACK PLAN
EXHIBIT "C"
WHITE & HAMILTON
COUNTIES, ILLINOIS**

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Revisions		
#	Date	Note

Drafted by: K. FIELD
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Scale: 1"= 1,600'
Job Number: 2016-363
Sheet: 1 of 1

Drawing Status:

Preliminary Drawing
 Final Drawing

Requested By:



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ILLINOIS STATE PLANE
COORDINATE SYSTEM
EAST ZONE
NAD27

104 S. 4th St.
P.O. Box 125
Vienna, IL 62995
618-658-6065

Legend

- Nature Preserve
- Reservoir Intercept

**Karcher's Post Oak Woods
Nature Preserve**

**Nature Preserve
14.7 miles from Well Site**

End of Well

Well Site

1000 Ft Radius

**WELL SITE SETBACK PLAN
EXHIBIT "D"
WHITE & HAMILTON
COUNTIES, ILLINOIS**

Path: S:\2016\Ameren N.Decatur\Latham-1342\Access Maps

Revisions		
#	Date	Note

Drafted by: K. FIELD
Date: 9/26/2016
Reviewed by: B. ABERNATHY
Scale: 1" = 10,000'
Job Number: 2016-363
Sheet: 1 of 1

Drawing Status:
 Preliminary Drawing
 Final Drawing

Requested By:



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Survey



BEARINGS REFERENCED
ILLINOIS STATE PLANE
COORDINATE SYSTEM
EAST ZONE
NAD27

104 S. 4th St.
P.O. Box 125
Vienna, IL 62995
618-658-6065

End of Well
Lat: 38.1497403
Long: -88.3621095

Horizontal Path

Reservoir Intercept
Lat: 38.1365649
Long: -88.3606494

Production Facilities

Access Road

Well Site
Lat: 38.1343680
Long: -88.3603830

**WELL SITE SETBACK PLAN
EXHIBIT "F"
WHITE & HAMILTON
COUNTIES, ILLINOIS**

Path: S:\2016\Ameren N.Decaturl.Latham-1342\Access Maps

Revisions		
#	Date	Note

Drafted by: K. FIELD
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 Final Drawing
 Requested By:



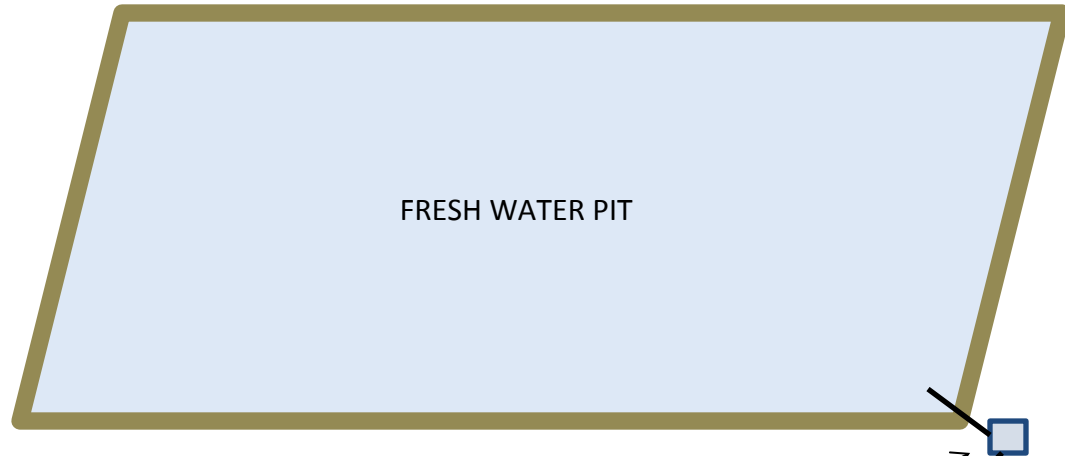
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Survey

WOOLSEY OPERATING COMPANY, LLC

WOODROW #1H-410308-193

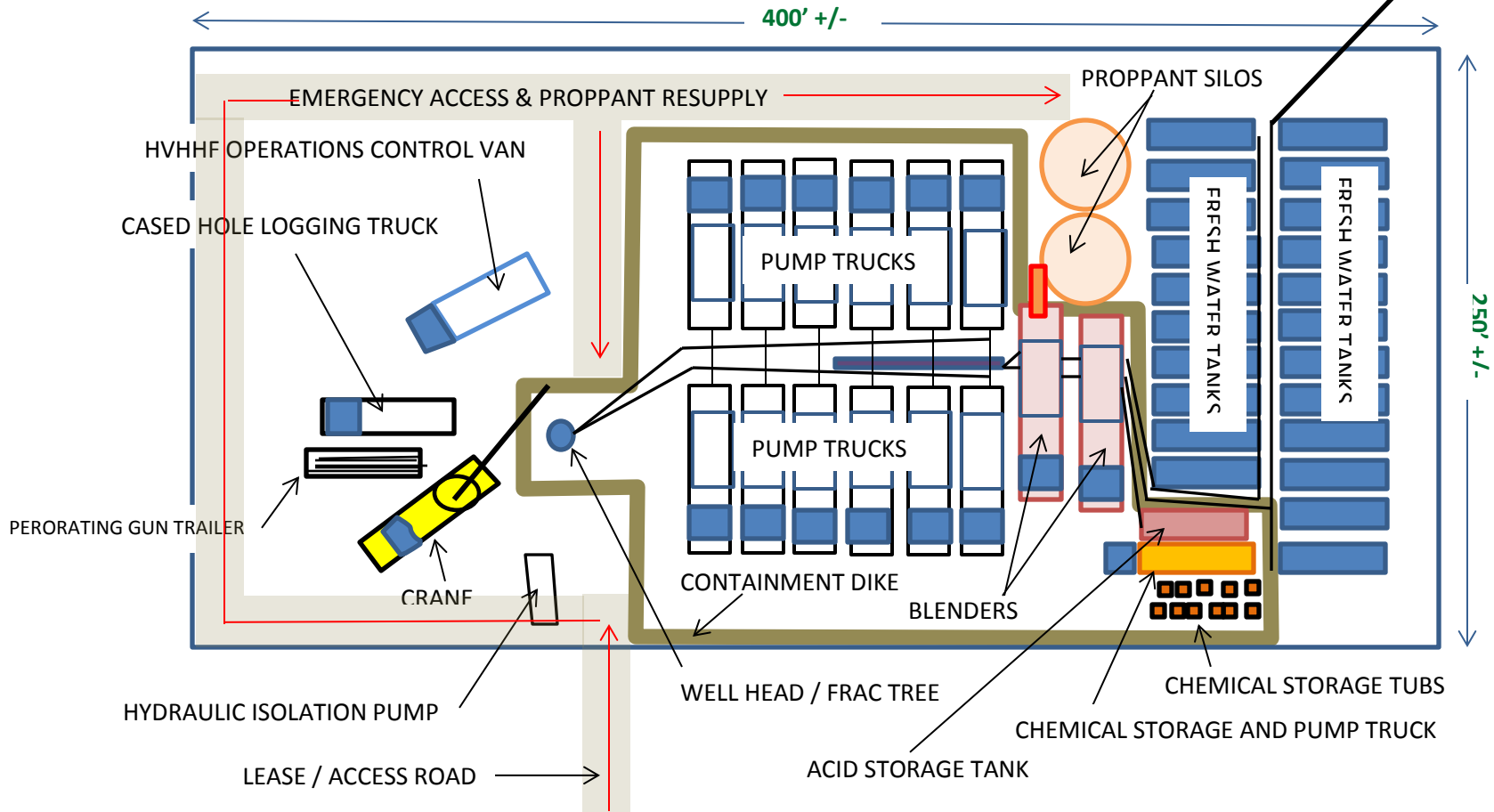
WHITE COUNTY, ILLINOIS

Well Site Set Back Plan – Exhibit G1



SCHEMATIC of WELL PAD & HVHFF OPERATIONS

WATER TRANSFER PUMP & LINE



WOOLSEY OPERATING COMPANY, LLC

WOODROW #1H-410308-193

WHITE COUNTY, ILLINOIS

Well Site Set Back Plan – Exhibit G2



SCHEMATIC of WELL PAD & HVVHF FLOW BACK OPERATIONS

