



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: AdditionalRequiredMaps

Please save attachment and use the file name above.

Additional Required Maps §1-35(b)(7); 245.210(a)(7). In addition to the scaled plat map referred to in the Well Site Setback Plan above, and the scaled cross section diagram referred to under the Directional Drilling Plan, please attach a **SCALED TOP VIEW DIAGRAM** showing the well location, direction of drilling (below surface entry to the intersection with target formation) and horizontal leg to total length. At the surface indicate all known previous well bores within 750 feet of the vertical plane above any part of the horizontal well bore that penetrated within 400 vertical feet of the formation that will be stimulated as part of the high volume horizontal hydraulic fracturing operations. If well bores are present, include the well name, location and permit and reference number for each.

Boundary of Laeses Encompassing the Woodrow 1H-310408-193 Horizontal Drilling Unit

T. 4 S.

Bottom Hole Loc.:
From NEc NE/4 Sec. 30-T4S-R8E;
1630' S, 2096' W

HVHHF Horizontal Drilling Unit
comprised of 40 Ac. Stacked Vertical
Drilling Units

Completed Horizontal Interval

Beginning Point of Horizontal Drainhole:
Lat. 38.1370326, Lon. -88.3606736

PROPOSED:
WOOLSEY OPERATING COMPANY
WOODROW #1H-310408-193
Surface Loc.: From NEc NE/4 of
Sec. 31-4S-8E, 1990' S, 1650' W

THERE ARE NO WELLS WITHIN 750'
LATERALLY THAT ARE WITHIN 400'
VERTICAL FEET OF THE PROPOSED
WOODROW 1H-310408-193
HORIZONTAL DRAIN HOLE.

Formation Entry Point:
Lat. 38.1355177, Lon -88.3605220
From NEc NE/4 of
Sec. 31-4S-8E; 1562' S, 1626' W

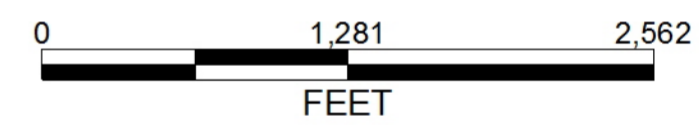
Woolsey Operating Company, LLC

FRONTIER PROJECT

WOODROW PROSPECT

Woodrow #1H-310408-193

Attachment to OG-10



POSTED WELL DATA

Operator	Well Number	Well Name	Total Depth

- WELL SYMBOLS
- Dry & Abandoned
 - with sunburst Dry Hole, With Show of Gas
 - with sunburst and oil drop Dry Hole, With Show of Oil & G
 - with sunburst and oil drop Dry Hole, With Show of Oil
 - Dry Hole
 - ▲ Filled Small Triangle
 - Location Only
 - Oil Well/SWD
 - Oil Well
 - with slash Oil Plugged & Abandoned
 - ⊗ Structural Test
 - with slash T&A-Oil Show Plugged
 - with slash Temporarily Abandoned

