I am looking for someone to assist in building a web scraping tool. I will have an excel sheet with the county, Abstract A-, Block and Section number.  You will then design a product that will do the following at the following websites:

STEP 1:

* User presses control key in excel that indicates a specific row on which to run the analysis
* Script then creates a FOLDER in Google Drive named using the columns in the Excel Sheet as follows: Document Number&Vol/Pg No&Fraction of Section&Section&Block

STEP 2:

Script then scrapes the “County”, “Section” and “Block” columns from Excel and opens the <http://wwwgisp.rrc.texas.gov/GISViewer2/> website

* + Script presses the Magnifying Glass/Survey and inputs the county, section and block data(Example: County: Martin, Block: 37 T2N, Section: 36)
  + SCRAPE1: Screen shot of Map, saved in FOLDER
  + Script then presses the Identify/Wells dropdown button
  + User then hovers over the wells until the correct well is located and clicks the button.
  + SRAPE1.5 is the wellbore information that comes up in the popup
  + The “Lease ID” (also called “Lease No”) is what we are trying to capture at this point (perhaps we have the user press a control key to indicate that the correct Lease ID is being hovered over? Some other methodology?) = SCRAPE 2
  + SCRAPE 2 (“Lease No”) copied into Excel column “Lease No”

STEP 3:

* Script then goes to: <https://rrcsearch3.neubus.com/esd3-rrc/index.php?profile=17>
  + Oil and Gas Records for lease/ID: (SCRAPE2) 38582 (Click)
  + SCRAPE3: Screen shot of “Showing Records” page
  + CLICK: Potential: Actions: View document – gives you completion packets filed before 2011
  + SCRAPE4+: PDF of “Download Whole Document” (files typically include W-2, P-15, P-16, Plat, any other documents)

STEP 4:

* Script then goes to: <http://webapps.rrc.texas.gov/CMPL/publicSearchAction.do?formData.methodHndlr.inputValue=init&formData.headerTabSelected=home&formData.pageForwardHndlr.inputValue=home>
  + ENTER SCRAPE2 LEASE ID INTO “Lease No.”.
  + PRESS “Search” button lower lefthand corner). Do not Click the “Search Lease” button directly to the right of the “Lease No” box
  + SCRAPE5: Screen shot of “Records Found” page
  + CLICK: Tracking ID for all wells, sequentially
  + SCRAPE6: Screen shot of “Form Summary” page
  + SCRAPE7+: Download W-2, P-15, P-16, PLAT, any other downloads in PDF

STEP 5:

It would then be assembled as detailed in the Powerpoint document uploaded in the Google Drive Folder