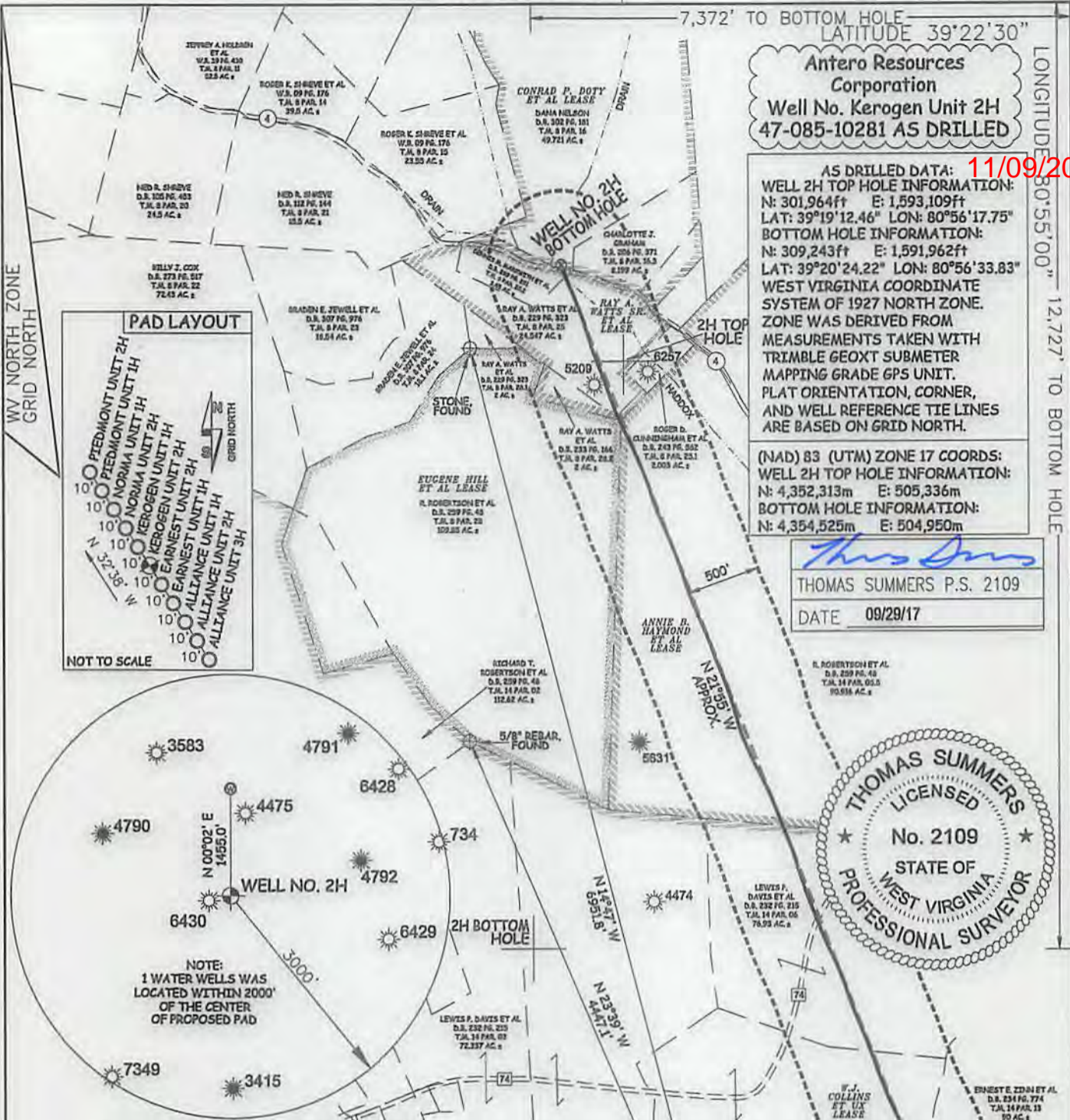


LATITUDE 39°20'00"

6,110'

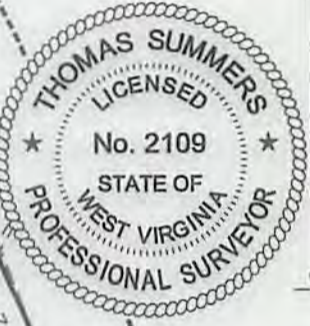


**Antero Resources Corporation**  
**Well No. Kerogen Unit 2H**  
**47-085-10281 AS DRILLED**

**AS DRILLED DATA: 11/09/2018**  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 301,964ft E: 1,593,109ft  
 LAT: 39°19'12.46" LON: 80°56'17.75"  
**BOTTOM HOLE INFORMATION:**  
 N: 309,243ft E: 1,591,962ft  
 LAT: 39°20'24.22" LON: 80°56'33.83"  
**WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE.**  
 ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

**(NAD) 83 (UTM) ZONE 17 COORDS:**  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 4,352,313m E: 505,336m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,354,525m E: 504,950m

*Thomas Summers*  
 THOMAS SUMMERS P.S. 2109  
 DATE 09/29/17



**LEGEND**

- Surface Owner Boundary Lines +/-
- - - Interior Surface Tracts +/-
- Proposed Well Path
- ⊙ As Drilled Well Path

JOB # 12-131WA  
 DRAWING # KEROGENZHAD  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
 WILLOW LAND SURVEYING PLLC  
 220 MASONIC AVE PENNSBORO WEST VIRGINIA 26415

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

|   |   |
|---|---|
| WELL TYPE: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/>   | OPERATOR'S WELL # <u>KEROGEN UNIT #2H</u>   |
| (IF "GAS") PRODUCTION <input checked="" type="checkbox"/> STORAGE <input type="checkbox"/> DEEP <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>  | API WELL # <u>47 - 085 - 10281</u>  |
| LOCATION: ELEVATION <u>AS DRILLED - 1,120'</u> WATERSHED <u>NORTH FORK HUGHES RIVER</u>   | STATE COUNTY PERMIT   |
| QUADRANGLE <u>PENNSBORO 7.5'</u> DISTRICT <u>CLAY</u>   | COUNTY COUNTY RITCHIE   |
| SURFACE OWNER <u>ERNEST E. ZINN ET AL</u> ACREAGE <u>129.5 ACRES +/-</u>  |   |
| OIL & GAS ROYALTY OWNER <u>HAROLD H. BLOCH ET UX; W.J. COLLINS ET UX; ANNIE B. HAYMOND ET AL; RAY A WATTS SR. ET AL; CONRAD P. DOTY ET AL</u>   | LEASE ACREAGE <u>131.5 ACRES +/-; 575 ACRES +/-; 639.06 ACRES +/-; 27.997 ACRES +/-; 60 ACRES +/-</u> |
| PROPOSED WORK: DRILL <input type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/> |   |
| OTHER PHYSICAL CHANGE IN WELL (SPECIFY) <u>AS DRILLED</u>   |   |
| PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/>   | ESTIMATED DEPTH <u>6,434' TVD 13,890' MD</u>  |
| TARGET FORMATION <u>MARCELLUS</u>   |   |
| WELL OPERATOR <u>ANTERO RESOURCES CORP.</u>   | DESIGNATED AGENT <u>DIANNA STAMPER</u>  |
| ADDRESS <u>1615 WYNKOOP STREET</u>  | ADDRESS <u>CT CORPORATION SYSTEM</u>  |
| <u>DENVER, CO 80202</u>   | <u>5400 D BIG TYLER ROAD</u>  |
|   | <u>CHARLESTON, WV 25313</u>   |

COUNTY NAME PERMIT