

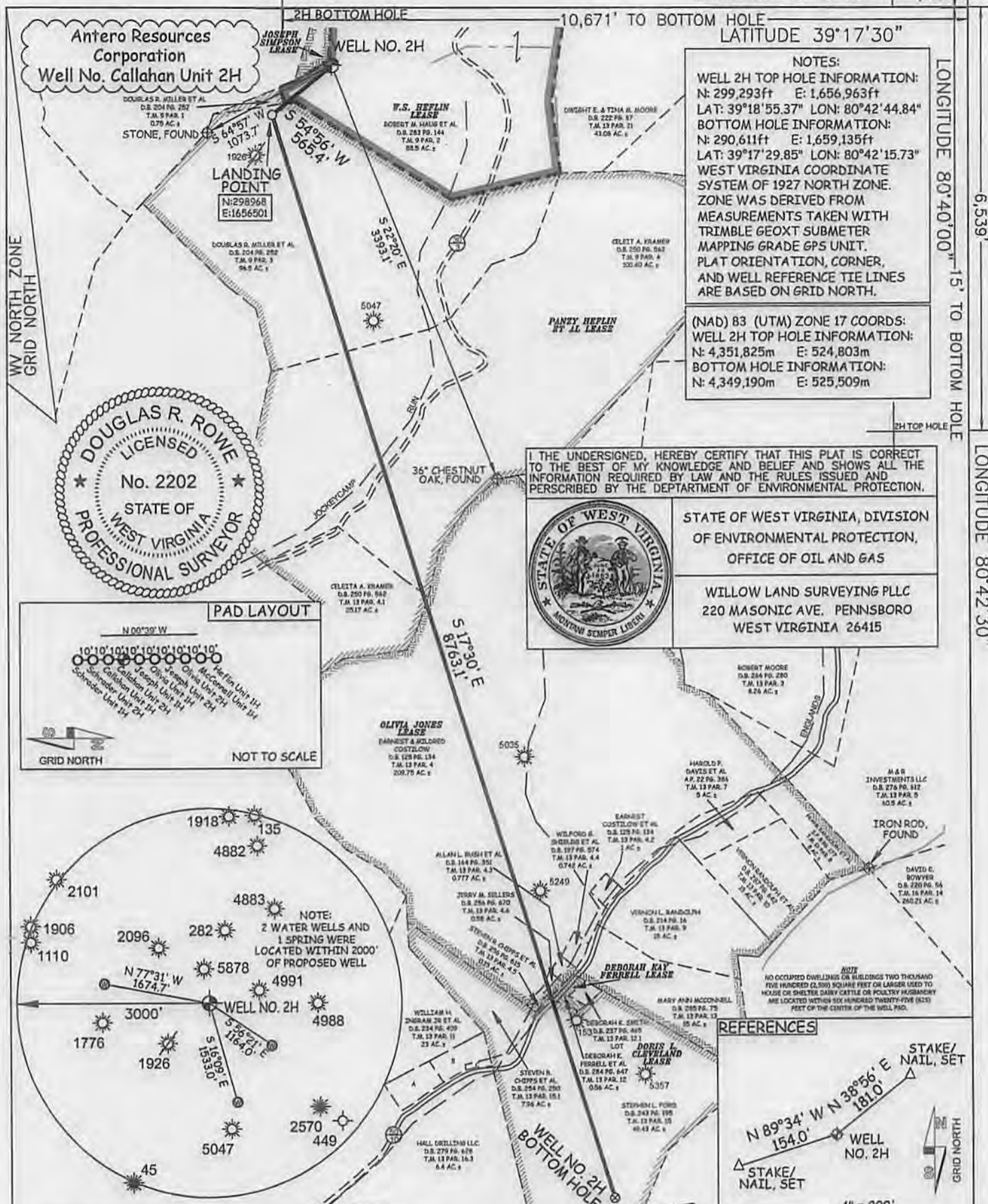
LATITUDE 39°20'00" -1,167'

LATITUDE 39°17'30"

LONGITUDE 80°40'00" -15' TO BOTTOM HOLE

6,539'

LONGITUDE 80°42'30"



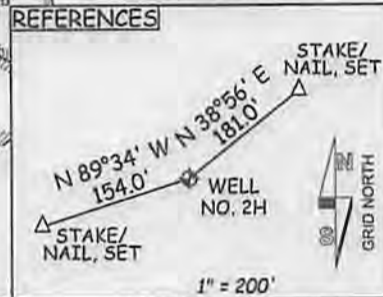
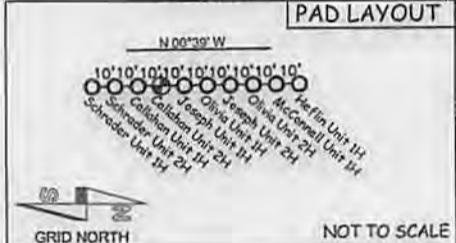
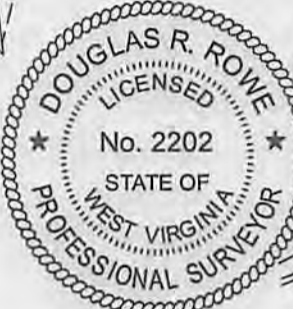
**NOTES:**  
 WELL 2H TOP HOLE INFORMATION:  
 N: 299,293ft E: 1,656,963ft  
 LAT: 39°18'55.37" LON: 80°42'44.84"  
 BOTTOM HOLE INFORMATION:  
 N: 290,611ft E: 1,659,135ft  
 LAT: 39°17'29.85" LON: 80°42'15.73"  
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE.  
 ZONE WAS DERIVED FROM MEASUREMENTS 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: 4,351,825m E: 524,803m  
 BOTTOM HOLE INFORMATION:  
 N: 4,349,190m E: 525,509m

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



JOB # 13-028WA  
 DRAWING # CALLAHANUNIT2HR1R  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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

WELL TYPE: OIL GAS  LIQUID INJECTION WASTE DISPOSAL  
 (IF "GAS") PRODUCTION  STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,381' WATERSHED NUTTER FORK  
 QUADRANGLE SMITHBURG 7.5 DISTRICT WEST UNION COUNTY DODDRIDGE

SURFACE OWNER ROBERT M. HAUG ET AL ACREAGE 88.5 ACRES +/-  
 OIL & GAS ROYALTY OWNER W.S. HEFLIN; PANZY HEFLIN ET AL; LEASE ACREAGE 89 ACRES±; 222.5 ACRES±;  
 OLIVIA JONES; DEBORAH KAY FARRELL; DORIS L. CLEVELAND 260 ACRES±; 0.55 ACRES±; 58 ACRES±

PROPOSED WORK: DRILL  CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL  
 (SPECIFY) PLUG & ABANDON CLEAN OUT & REPLUG  
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,400' TVD 17,200' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPLER - CT CORPORATION SYSTEM  
 ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD  
 DENVER, CO 80202 CHARLESTON, WV 25313



**LEGEND**

- Surface Owner Boundary Lines +/-
- Interior Surface Tracts +/-
- Existing Fence
- Found monument, as noted

DOUGLAS R. ROWE P.S. 2202

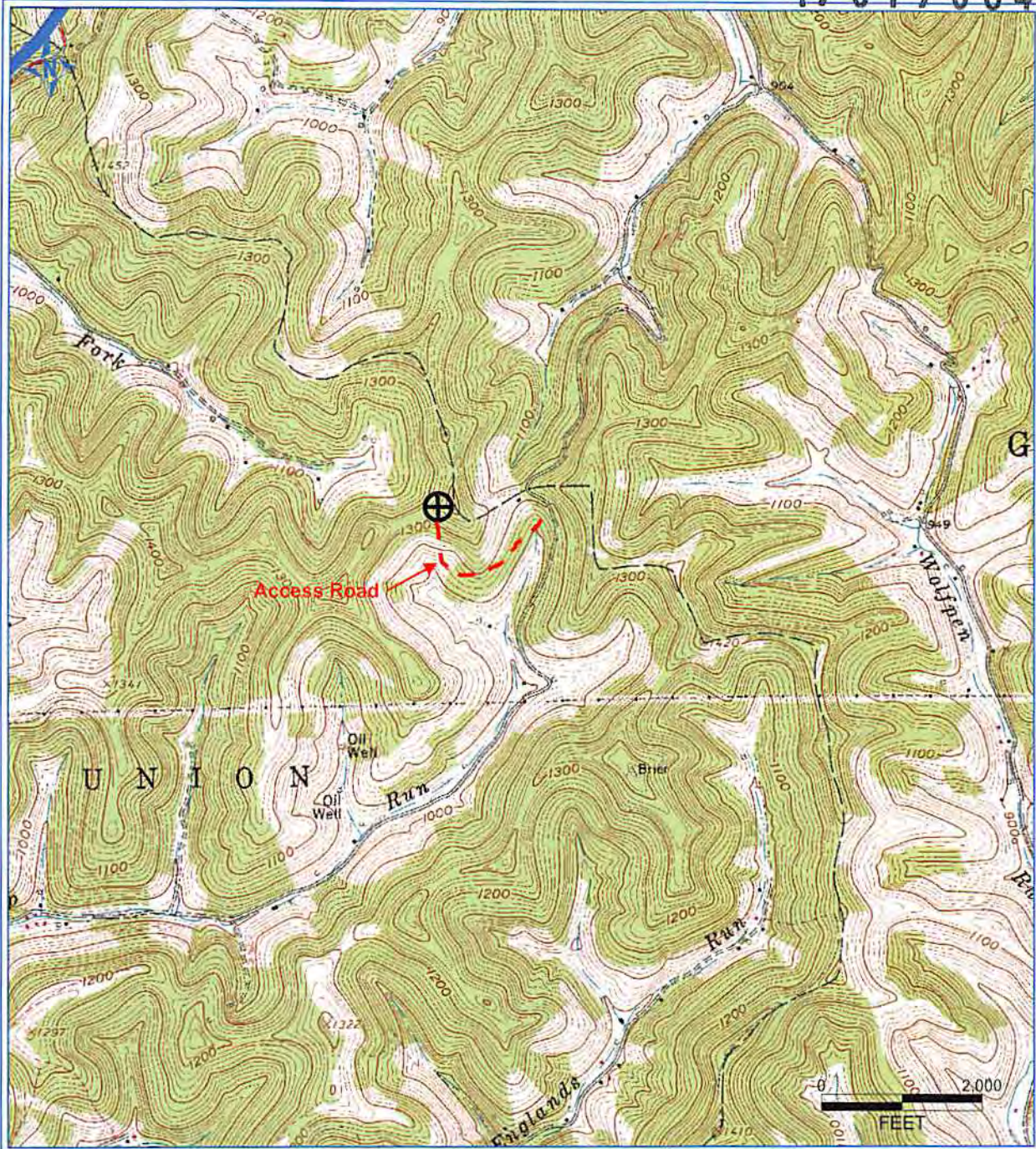
DATE 02/17/14

OPERATOR'S WELL# CALLAHAN UNIT #2H

API WELL # 47 - 017 - 06473 H6A

STATE COUNTY PERMIT

4701706473



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Received

MAR - 5 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

Antero Resources Corporation

APPALACHIAN BASIN

Callahan Unit 2H  
Doddridge County



REMARKS  
QUADRANGLE: SMITHBURG  
WATERSHED: NUTTER FORK  
DISTRICT: WEST UNION

Date: 6/17/2013