

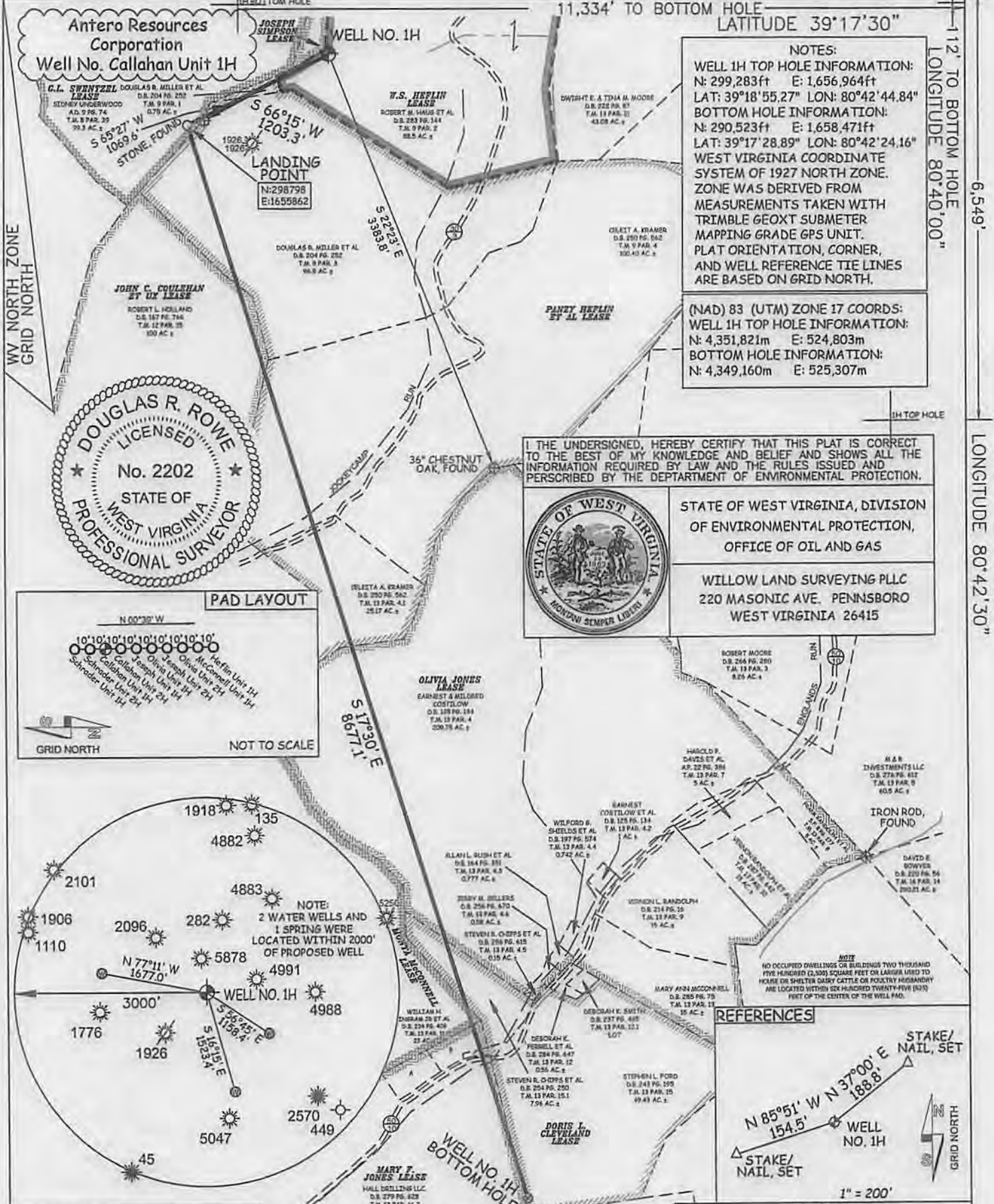
LATITUDE 39°20'00" -1,166'

11,334' TO BOTTOM HOLE  
LATITUDE 39°17'30"

112' TO BOTTOM HOLE  
LONGITUDE 80°40'00"

6,549'

LONGITUDE 80°42'30"



JOB # 13-028WA  
DRAWING # CALLAHANUNIT1HR1R  
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; G.L. SWENTZEL; LEASE ACREAGE 89 ACRES±; 222.5 ACRES±; 103 ACRES±  
OLIVIA JONES; DORIS L. CLEVELAND; MONTA McCONNELL; MARY F. JONES 280 ACRES±; 58 ACRES±; 114 ACRES±; 194 ACRES±

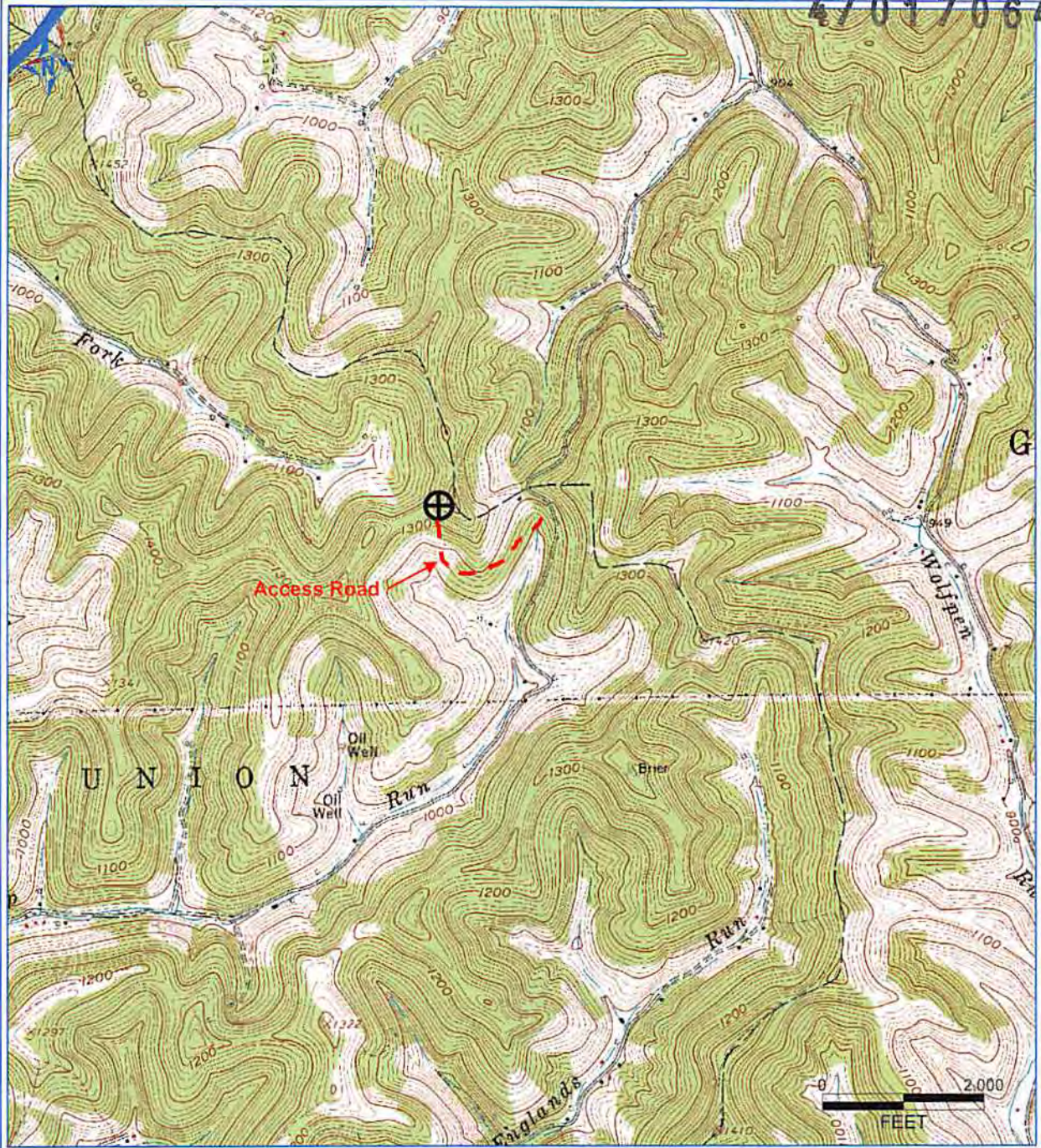
PROPOSED WORK: DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE   
PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_ PLUG & ABANDON \_\_\_ CLEAN OUT & REPLUG \_\_\_  
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,400' TVD 18,700' 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 02/11/14  
OPERATOR'S WELL# CALLAHAN UNIT #1H  
API WELL # 47 - 017 - 06472 HGA  
STATE COUNTY PERMIT



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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 1H  
Doddridge County



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

Date: 6/17/2013