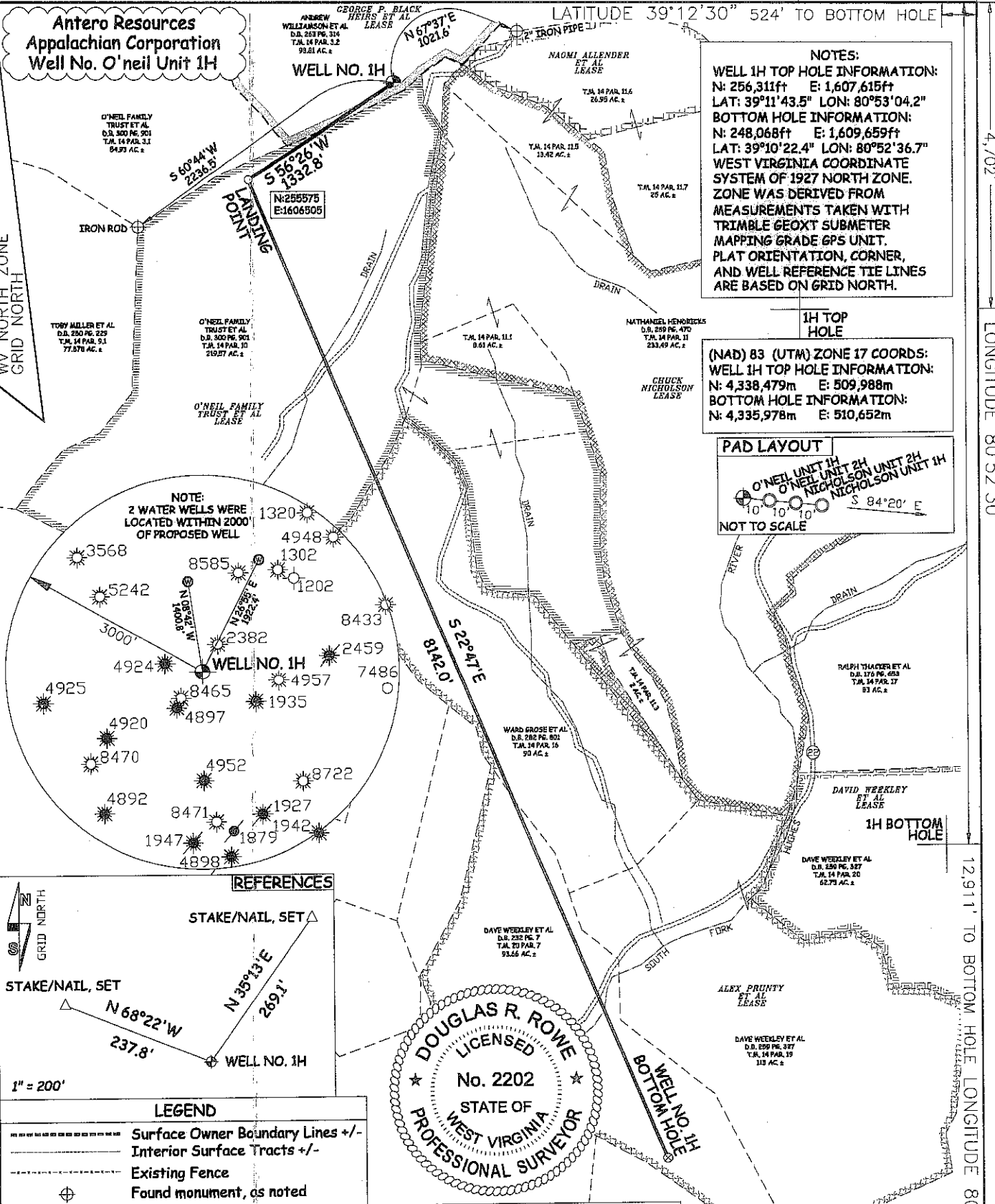
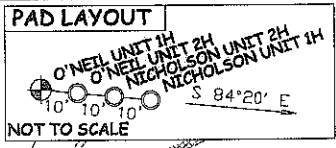


LATITUDE 39°12'30" 2,695'

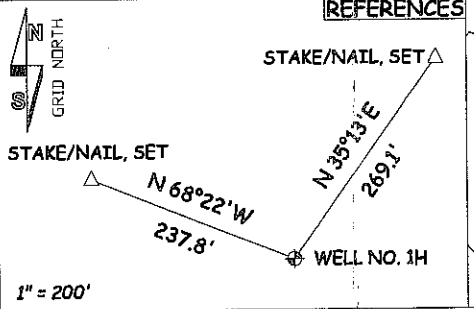
**Antero Resources  
Appalachian Corporation  
Well No. O'neil Unit 1H**

**NOTES:**  
WELL 1H TOP HOLE INFORMATION:  
N: 256,311ft E: 1,607,615ft  
LAT: 39°11'43.5" LON: 80°53'04.2"  
BOTTOM HOLE INFORMATION:  
N: 248,068ft E: 1,609,659ft  
LAT: 39°10'22.4" LON: 80°52'36.7"  
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.

**1H TOP HOLE**  
(NAD) 83 (UTM) ZONE 17 COORDS:  
WELL 1H TOP HOLE INFORMATION:  
N: 4,338,479m E: 509,988m  
BOTTOM HOLE INFORMATION:  
N: 4,335,978m E: 510,652m

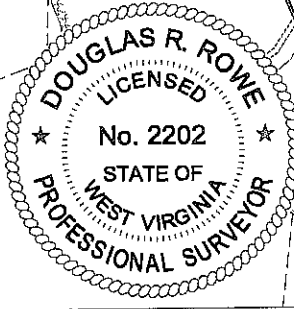


**NOTE:**  
2 WATER WELLS WERE  
LOCATED WITHIN 2000'  
OF PROPOSED WELL



**LEGEND**

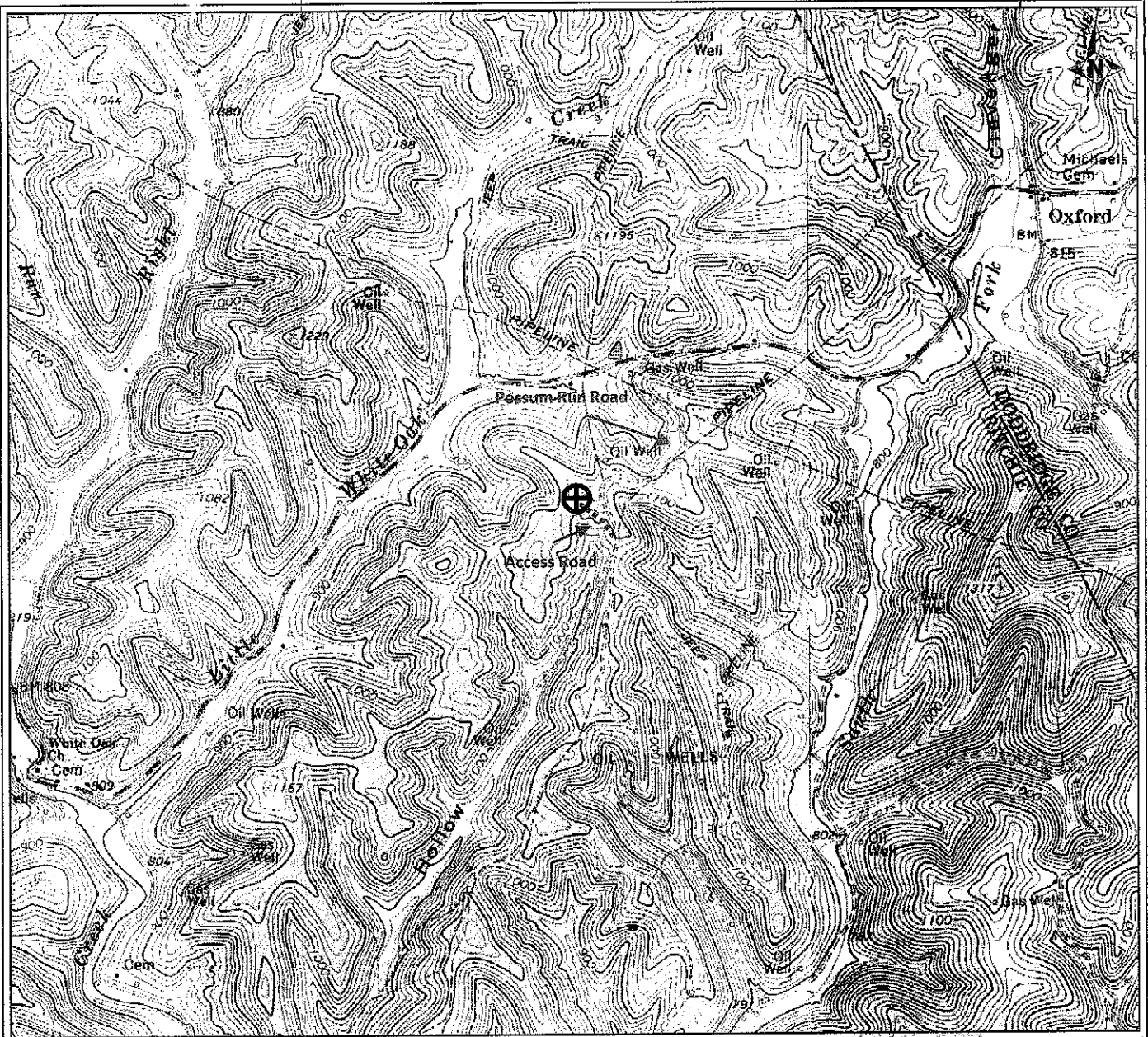
- Surface Owner Boundary Lines +/-
- Interior Surface Tracts +/-
- Existing Fence
- Found monument, as noted



JOB # 12-009	STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
DRAWING # O'NEILUNITP1H	WILLOW LAND SURVEYING PLLC 266 HUSHERS RUN RD PENNSBORO WEST VIRGINIA 26415
SCALE 1" = 1000'	DATE 03/20/12
MINIMUM DEGREE OF ACCURACY SUBMETER	OPERATOR'S WELL# O'NEIL UNIT #1H
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS	API WELL # 47 - 085 - 09964H/A
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS	STATE COUNTY PERMIT
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___	COUNTY NAME RITCHIE
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X	PERMIT
LOCATION: ELEVATION 1,142' WATERSHED LITTLE WHITE OAK CREEK	
QUADRANGLE PULLMAN 7.5' DISTRICT UNION COUNTY RITCHIE	
SURFACE OWNER ANDREW WILLIAMSON ET AL ACREAGE 93.81 ACRES +/-	
OIL & GAS ROYALTY OWNER GEORGE P. BLACK HEIRS ET AL; O'NEIL FAMILY TRUST ET AL; ALEX PRUNTY ET AL LEASE ACREAGE 93 ACRES +/-; 226 ACRES +/-; 300 ACRES +/-	
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X	
PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___	
TARGET FORMATION MARCELLUS PLUG & ABANDON ESTIMATED DEPTH 6,900' TVD 16,000' MD CLEAN OUT & REPLUG	
WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER	
ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD	
FORM WW-6 DENVER, CO 80202 ADDRESS CHARLESTON, WV 25313	

08/03/2012

85-09964



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Antero Resources Corporation

APPALACHIAN BASIN

O'Neil Unit 1H

RITCHIE COUNTY

REMARKS

QUADRANGLE: PULLMAN  
WATERSHED: LITTLE WHITE OAK  
DISTRICT: UNION



February 24, 2012

08/03/2012