

LATITUDE 39°20'00"

11,260'

7,621' TO BOTTOM HOLE

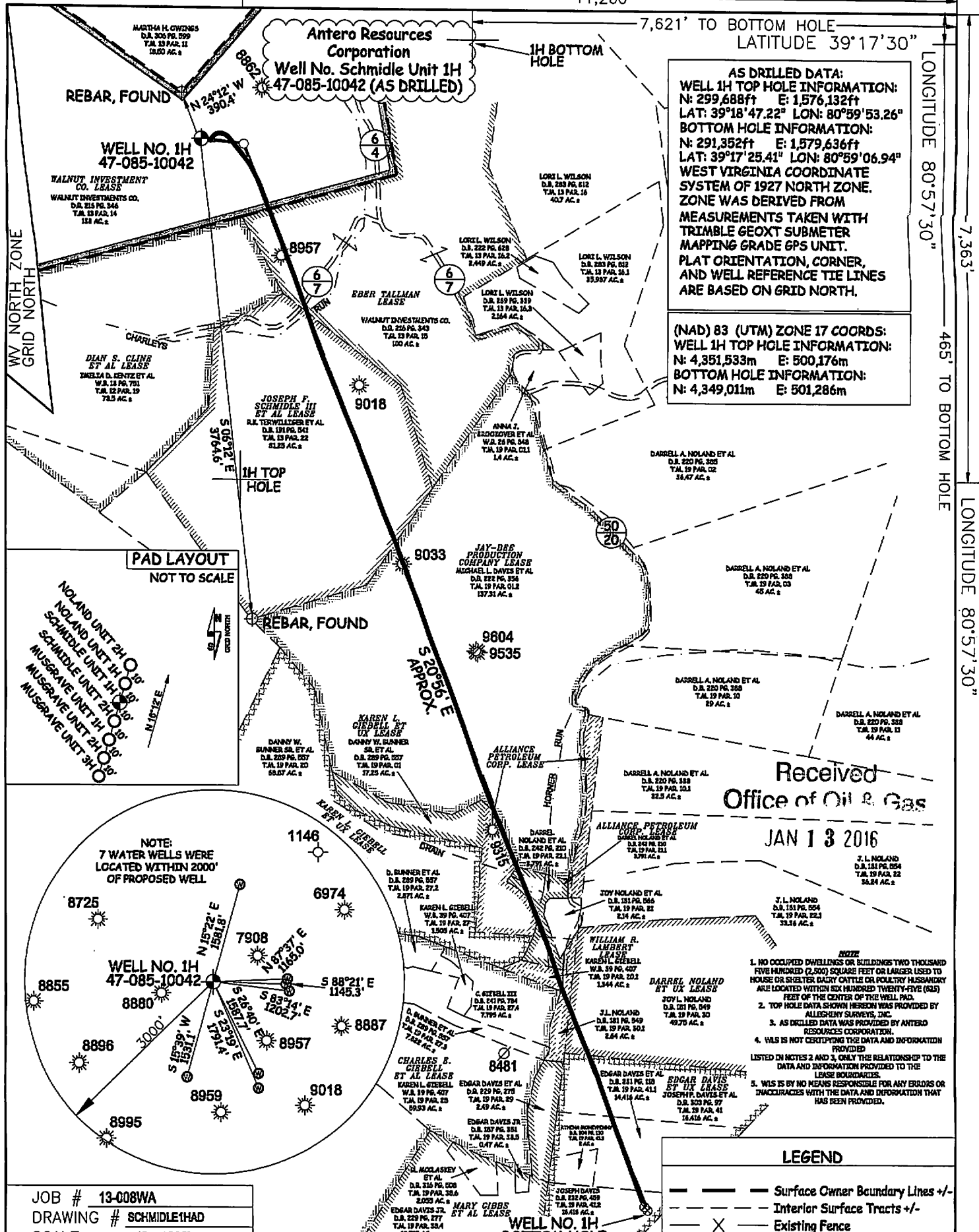
LATITUDE 39°17'30"

LONGITUDE 80°57'30"

7,363'

465' TO BOTTOM HOLE

LONGITUDE 80°57'30"



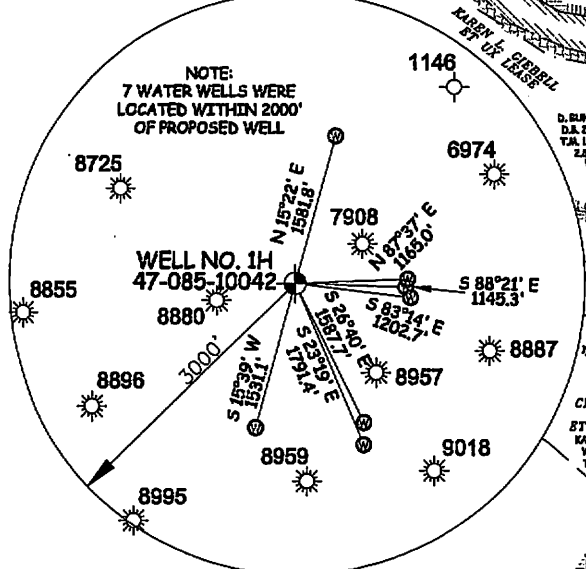
AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
 N: 299,688ft E: 1,576,132ft
 LAT: 39°18'47.22" LON: 80°59'53.26"
BOTTOM HOLE INFORMATION:
 N: 291,352ft E: 1,579,636ft
 LAT: 39°17'25.41" LON: 80°59'06.94"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE.
ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIANGLE GEOMX 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 1H TOP HOLE INFORMATION:
 N: 4,351,533m E: 500,176m
BOTTOM HOLE INFORMATION:
 N: 4,349,011m E: 501,286m

PAD LAYOUT NOT TO SCALE

NOLAND UNIT 2H 0.06
 NOLAND UNIT 1H 0.06
 SCHMIDLE UNIT 1H 0.06
 MUSGRAVE UNIT 1H 0.06
 MUSGRAVE UNIT 3H 0

Received
 Office of Oil & Gas
 JAN 13 2016



- NOTE:**
 1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.
 2. TOP HOLE DATA SHOWN HEREIN WAS PROVIDED BY ALLEGHENY SURVEYS, INC.
 3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
 4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
 5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR DISCREPANCIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

LEGEND

---	Surface Owner Boundary Lines +/-
- - -	Interior Surface Tracts +/-
X	Existing Fence
⊕	Found monument, as noted
⊙	Proposed Well Path
⊗	As Drilled Well Path

JOB # 13-008WA
 DRAWING # SCHMIDLE1HAD
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 266 HUSHERS RUN RD PENNSBORO WEST VIRGINIA 26415

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 1,142' ORIGINAL - 1,121' AS DRILLED WATERSHED NORTH FORK HUGHES RIVER
 QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE
 SURFACE OWNER WALNUT INVESTMENTS CO. ACREAGE 138 ACRES +/-
 OIL & GAS ROYALTY OWNER WALNUT INVESTMENT CO.; EBER TALLMAN; JOSEPH F. SCHMIDLE III ET AL; LEASE ACREAGE 238 AC±: 90 AC±: 76.8 AC±;
 JAY-BEE PRODUCTION CO.; ALLIANCE PETROLEUM CORP.; ALLIANCE PETROLEUM CORP.; WILLIAM R. LAUBERT; DARREL NOLAND ET UX; EDGAR DAVIS ET UX 137.31 AC±: 16 AC±: 3,791 AC±: 5,944 AC±: 48.5 AC±: 49.75 AC±
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) (X) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,398' TVD 15,217' MD
 WELL OPERATOR ANTERO RESOURCES CORPORATION DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1815 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313

COUNTY NAME PERMIT

02/05/2016