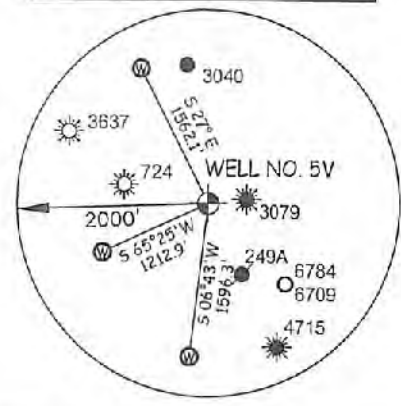
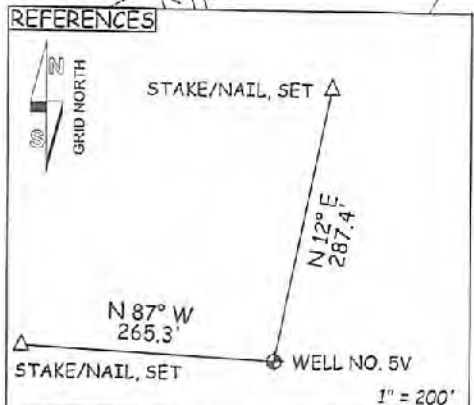


**NOTES**  
 1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD. THERE ARE NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF THE PROPOSED WELL.  
 2. LEASE BOUNDARY AND BEARINGS AND DISTANCES SHOWN HEREON ARE TAKEN FROM RITCHIE COUNTY DEED BOOK 211 AT PAGE 277.

(NAD) 27 (UTM) ZONE 17 COORDS:  
 WELL 5V TOP HOLE INFORMATION:  
 N: 14,226,886ft E: 1,687,870ft

**NOTES:**  
 WELL 5V TOP HOLE INFORMATION:  
 WV STATE PLANE NAD 27 COORDS:  
 N: 249,837ft E: 1,622,248ft  
 GEOGRAPHIC NAD 27 COORDS:  
 LAT: 39°10'41.73" LON: 80°49'57.17"  
 (NAD) 83 (UTM) ZONE 17 COORDS:  
 N: 4,336,581m E: 514,478m  
 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.



JOB # 21-005WA  
 DRAWING # LOCKESH  
 SCALE 1" = 500'  
 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.

**LEGEND**  
 - - - - - Surface Owner Boundary Lines +/-  
 --- Adjoining Surface Tracts +/-  
 ⊕ Found monument, as noted



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

THOMAS SUMMERS P.S. 2109  
 DATE 01/25/22

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

OPERATOR'S WELL# LOCKE #5V  
 API WELL # 47-017-06120

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION PROPOSED - 1,100' ORIGINAL GROUND - 1,108' WATERSHED SOUTH FORK HUGHES RIVER  
 QUADRANGLE OXFORD 7.5' DISTRICT SOUTHWEST COUNTY DODDRIDGE

SURFACE OWNER ROBERT LEE BROWNFIELD JR. ACREAGE 59.74 ACRES +/-  
 OIL & GAS ROYALTY OWNER E.W. OSBOURNE ET AL LEASE ACREAGE 80 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 \_\_\_ ESTIMATED DEPTH 7,000' TVD 7,000' MD  
 TARGET FORMATION MARCELLUS  
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
 DENVER, CO 80202 CHARLESTON, WV 25313

COUNTY NAME PERMIT  
 03/04/2022

**Antero Resources Corporation  
Well No. Locke #5V**

11,590'

LATITUDE 39°12'30"

LONGITUDE 80°47'30"

10,954'

WV NORTH ZONE  
GRID NORTH

HAZEL N. WEST  
W.B. 24 PG. 298  
T.M. 9 PAR. 7  
115 AC. ±

STONE FOUND  
@ FENCE CORNER

DELBERT OSBORNE  
D.B. 163 PG. 99  
T.M. 9 PAR. 10  
78 AC. ±

ROBERT LEE  
BROWNFIELD JR.  
D.B. 258 PG. 562  
T.M. 9 PAR. 8  
80.75 AC. ±

WELL NO. 5V

**E.W. OSBOURNE  
ET AL LEASE**  
ROBERT LEE  
BROWNFIELD JR.  
D.B. 394 PG. 293  
T.M. 9 PAR. 9  
59.74 AC. ±

24" POPLAR @  
3-WAY FENCE  
INTERSECTION

ROBERT LEE  
BROWNFIELD JR.  
D.B. 394 PG. 293  
T.M. 9 PAR. 15  
60.5 AC. ±

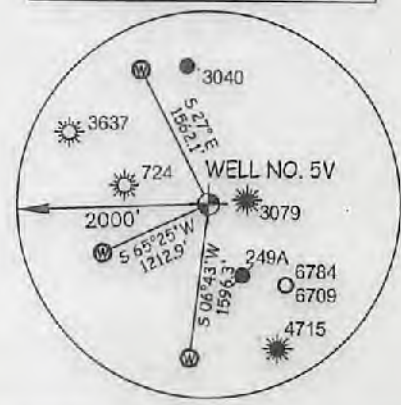
KERRY L. JUNKINS ET AL  
D.B. 229 PG. 476  
T.M. 9 PAR. 14  
47.36 AC. ±



- NOTES**
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SCALE 1" = 500'

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**LEGEND**  
----- Surface Owner Boundary Lines +/-  
----- Adjoining Surface Tracts +/-  
⊕ Found monument, as noted

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

THOMAS SUMMERS P.S. 2109

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



WILLOW LAND SURVEYING PLLC  
220 MASONIC AVE PENNSBORO  
WEST VIRGINIA 26415

DATE 01/25/22  
OPERATOR'S WELL # LOCKE #5V

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ API WELL # 47 - 017 - 06120  
(IF "GAS") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
LOCATION: ELEVATION PROPOSED -1,100' ORIGINAL GROUND -1,108' WATERSHED SOUTH FORK HUGHES RIVER STATE COUNTY PERMIT  
QUADRANGLE OXFORD 7.5' DISTRICT SOUTHWEST COUNTY DODDRIDGE

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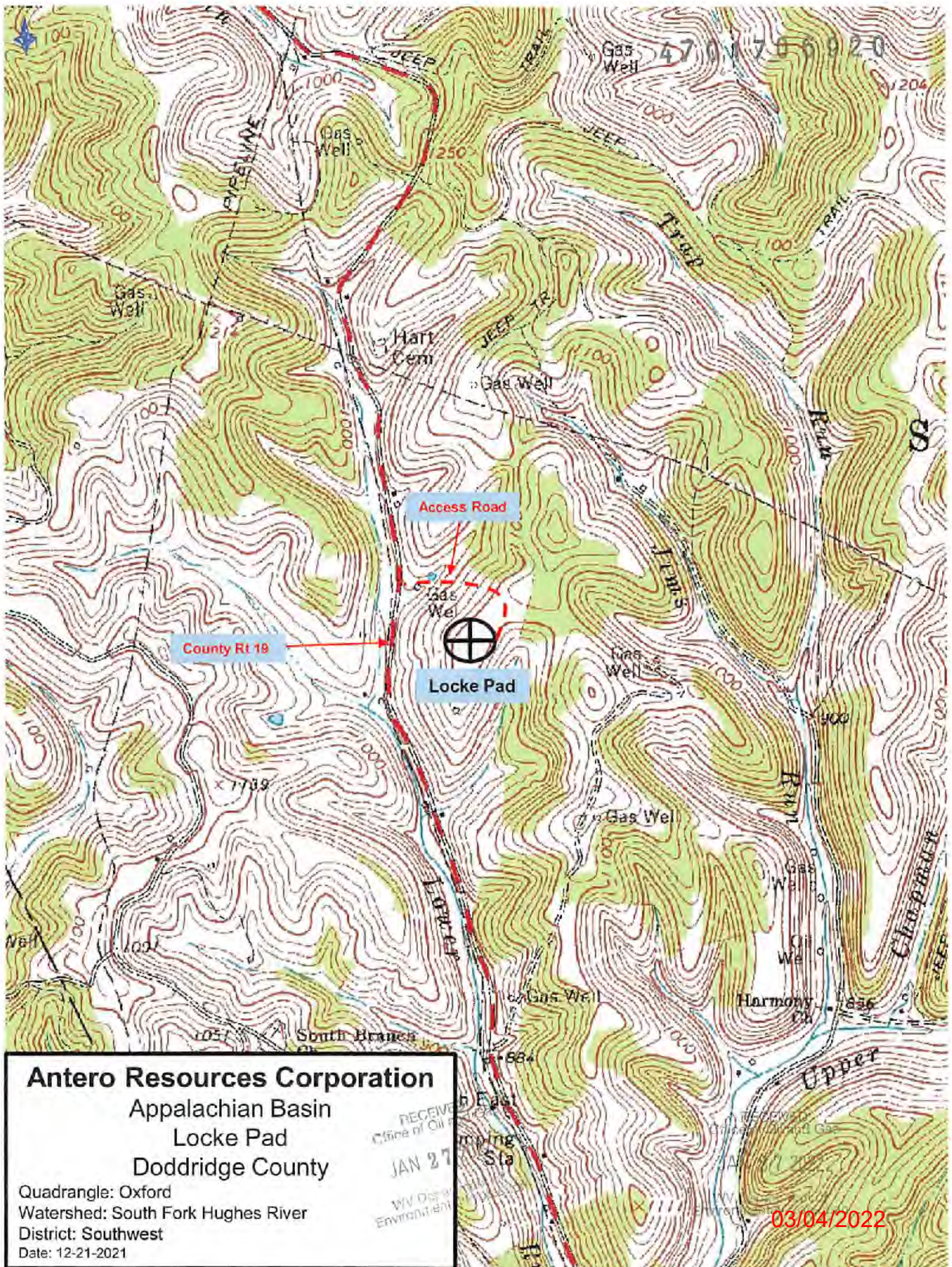
OIL & GAS ROYALTY OWNER E.W. OSBOURNE ET AL LEASE ACREAGE 80 ACRES +/- 03/04/2022

PROPOSED WORK: DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION   
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COUNTY NAME PERMIT



**Antero Resources Corporation**  
Appalachian Basin  
Locke Pad  
Doddridge County

Quadrangle: Oxford  
Watershed: South Fork Hughes River  
District: Southwest  
Date: 12-21-2021

RECEIVED  
Office of Oil and Gas  
JAN 27  
WV Dept of Environmental Protection

03/04/2022