

LATITUDE 39°12'30"

11,148'

1,148' TO BOTTOM HOLE
LATITUDE 39°12'30"

LONGITUDE 80°45'00"

14,405'

8,858' TO BOTTOM HOLE

LONGITUDE 80°42'30"

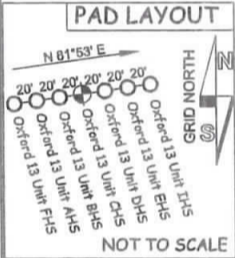
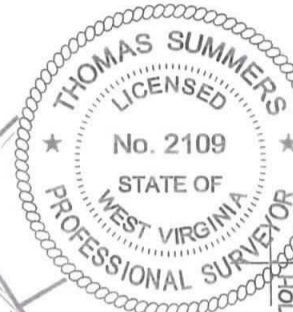
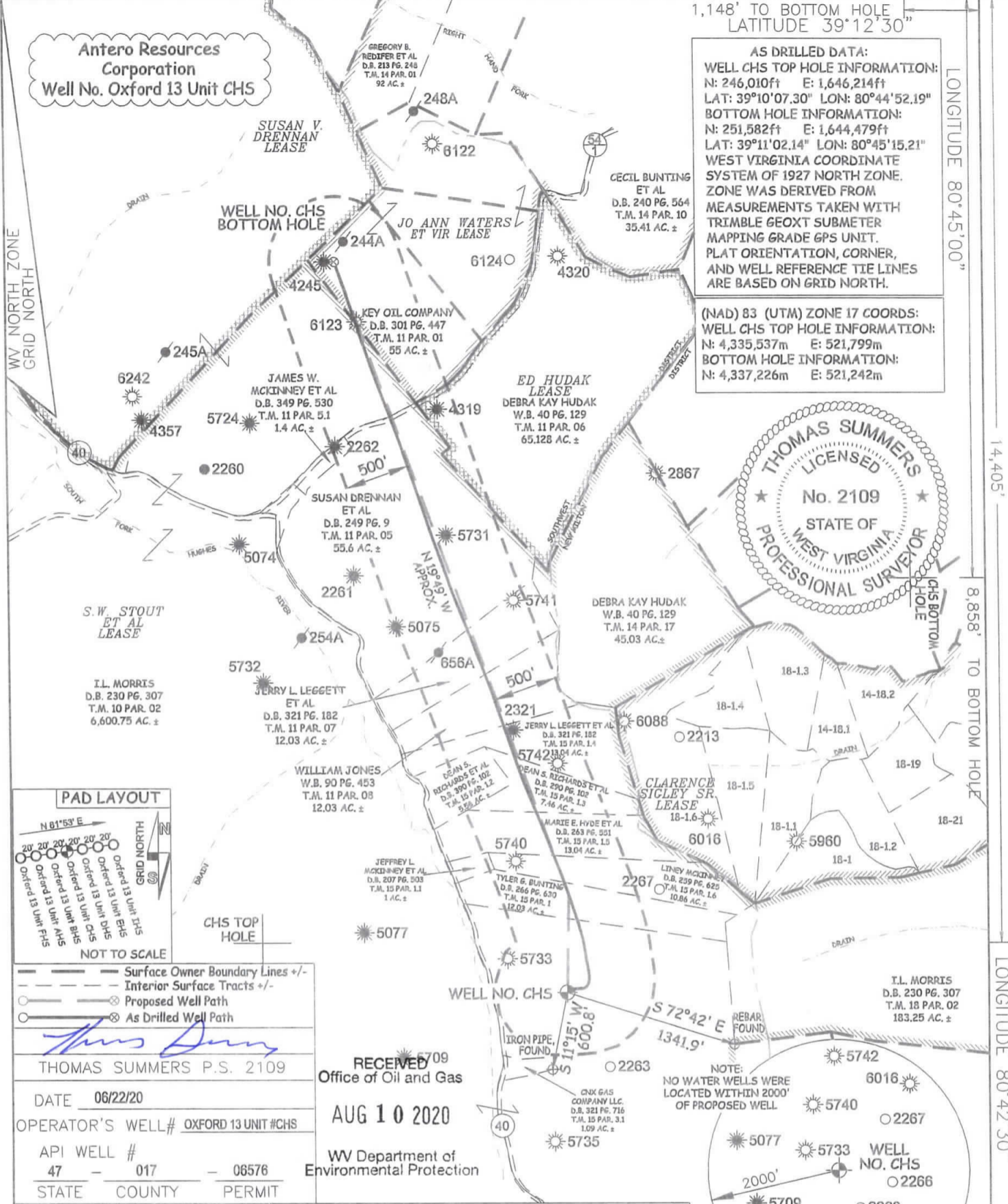
COUNTY NAME

PERMIT

Antero Resources Corporation
Well No. Oxford 13 Unit CHS

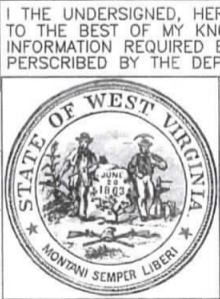
AS DRILLED DATA:
WELL CHS TOP HOLE INFORMATION:
 N: 246,010ft E: 1,646,214ft
 LAT: 39°10'07.30" LON: 80°44'52.19"
BOTTOM HOLE INFORMATION:
 N: 251,582ft E: 1,644,479ft
 LAT: 39°11'02.14" LON: 80°45'15.21"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH 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 CHS TOP HOLE INFORMATION:
 N: 4,335,537m E: 521,799m
BOTTOM HOLE INFORMATION:
 N: 4,337,226m E: 521,242m

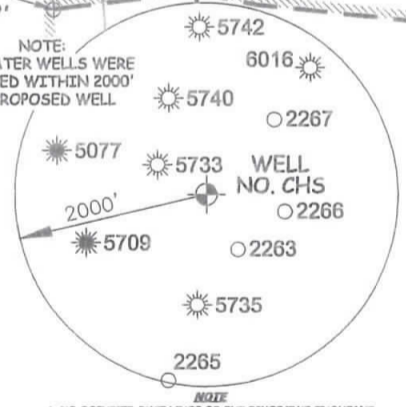


RECEIVED
Office of Oil and Gas
AUG 10 2020
WV Department of Environmental Protection

DATE 06/22/20
 OPERATOR'S WELL# OXFORD 13 UNIT #CHS
 API WELL # 47 - 017 - 06576
 STATE COUNTY PERMIT



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



- NOTE:
 NO WATER WELLS WERE LOCATED WITHIN 2000' OF PROPOSED WELL
- 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.
 - TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
 - AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
 - 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.
 - WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

JOB # 20-005WA
 DRAWING # OXFORD13CHSAD
 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 X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
 LOCATION: ELEVATION 1,152' - AS BUILT WATERSHED HEADWATERS MIDDLE ISLAND CREEK
 QUADRANGLE TH - NEW MILTON 7.5' BH - OXFORD 7.5' DISTRICT SOUTHWEST COUNTY DODDRIDGE
 SURFACE OWNER I. L. MORRIS ACREAGE 6,600.75 ACRES
 OIL & GAS ROYALTY OWNER S. W. STOUT ET AL; JO ANN WATERS ET VIR LEASE ACREAGE 1,427 ACRES±; 180 ACRES±

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,785' TVD 12,516' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1615 WYNKOOP STREET ADDRESS CT CORPORATION SYSTEM
DENVER, CO 80202 5400 D BIG TYLER ROAD
 CHARLESTON, WV 25313