

LATITUDE 39°20'00" -1,228'

LATITUDE 39°22'30"

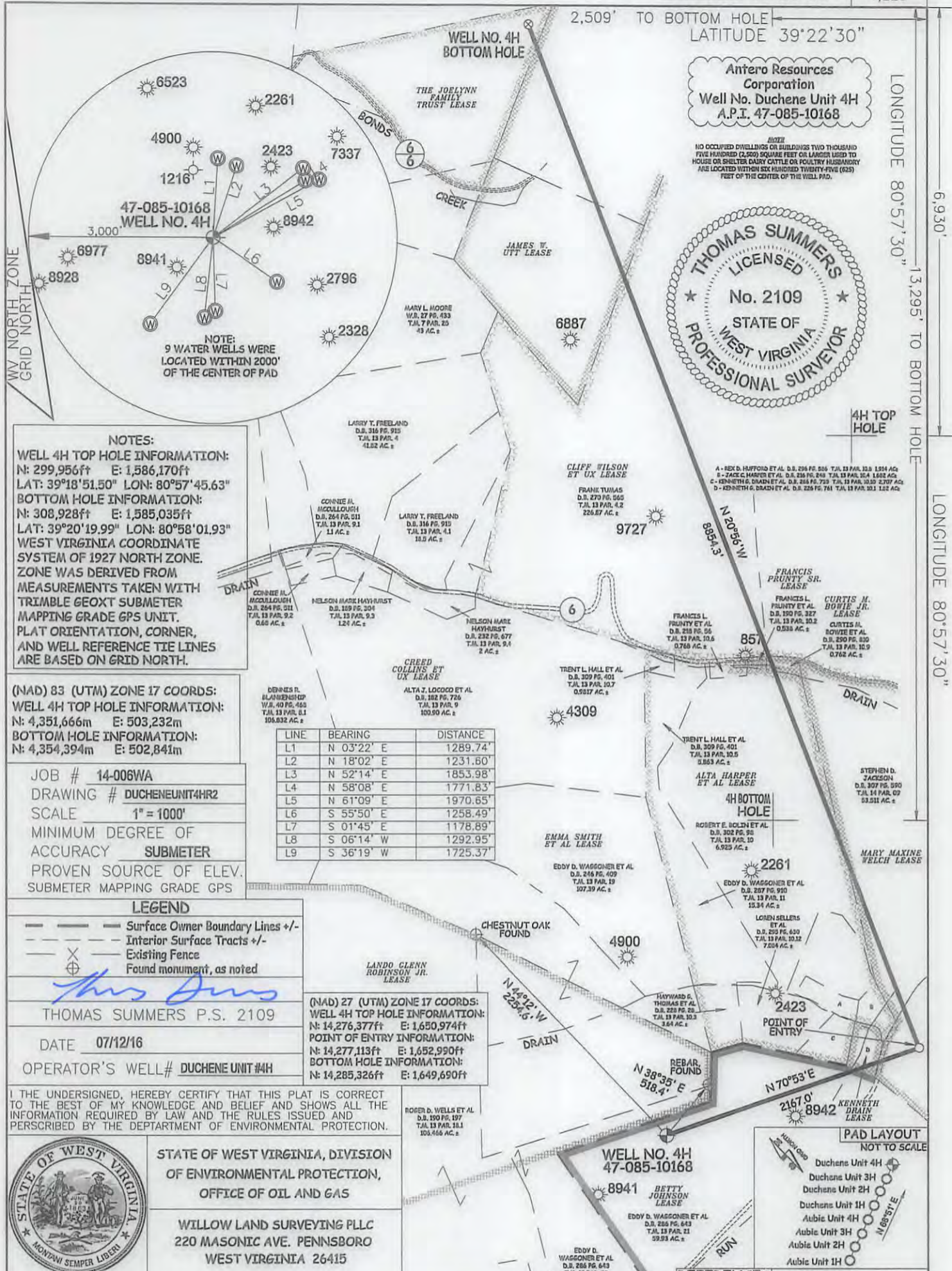
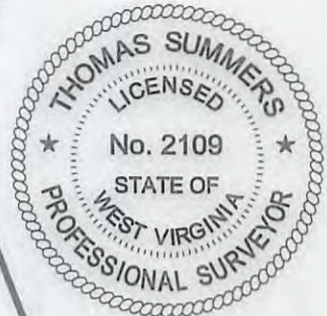
LONGITUDE 80°57'30" 1,329.5' TO BOTTOM HOLE

6,930'

LONGITUDE 80°57'30"

Antero Resources Corporation
Well No. Duchene Unit 4H
A.P.I. 47-085-10168

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.



NOTES:
WELL 4H TOP HOLE INFORMATION:
N: 299,956ft E: 1,586,170ft
LAT: 39°18'51.50" LON: 80°57'45.63"
BOTTOM HOLE INFORMATION:
N: 308,928ft E: 1,585,035ft
LAT: 39°20'19.99" LON: 80°58'01.93"
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 4H TOP HOLE INFORMATION:
N: 4,351,666m E: 503,232m
BOTTOM HOLE INFORMATION:
N: 4,354,394m E: 502,841m

JOB # 14-006WA
DRAWING # DUCHEUNEUNIT4HR2
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

Table with 3 columns: LINE, BEARING, DISTANCE. Lists lines L1 through L9 with their respective bearings and distances.

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

THOMAS SUMMERS P.S. 2109
DATE 07/12/16
OPERATOR'S WELL# DUCHEUNE UNIT #4H

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 4H TOP HOLE INFORMATION:
N: 14,276,377ft E: 1,650,974ft
POINT OF ENTRY INFORMATION:
N: 14,277,113ft E: 1,652,990ft
BOTTOM HOLE INFORMATION:
N: 14,285,326ft E: 1,649,690ft

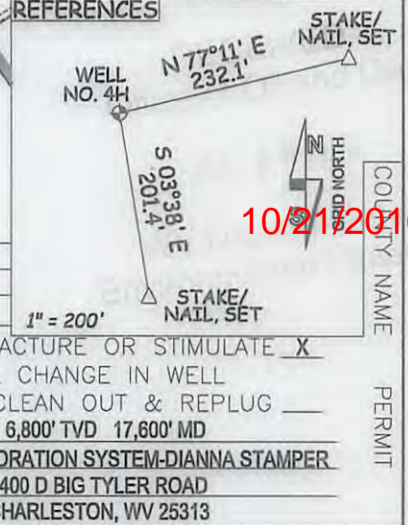
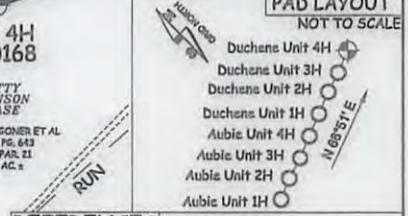
I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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

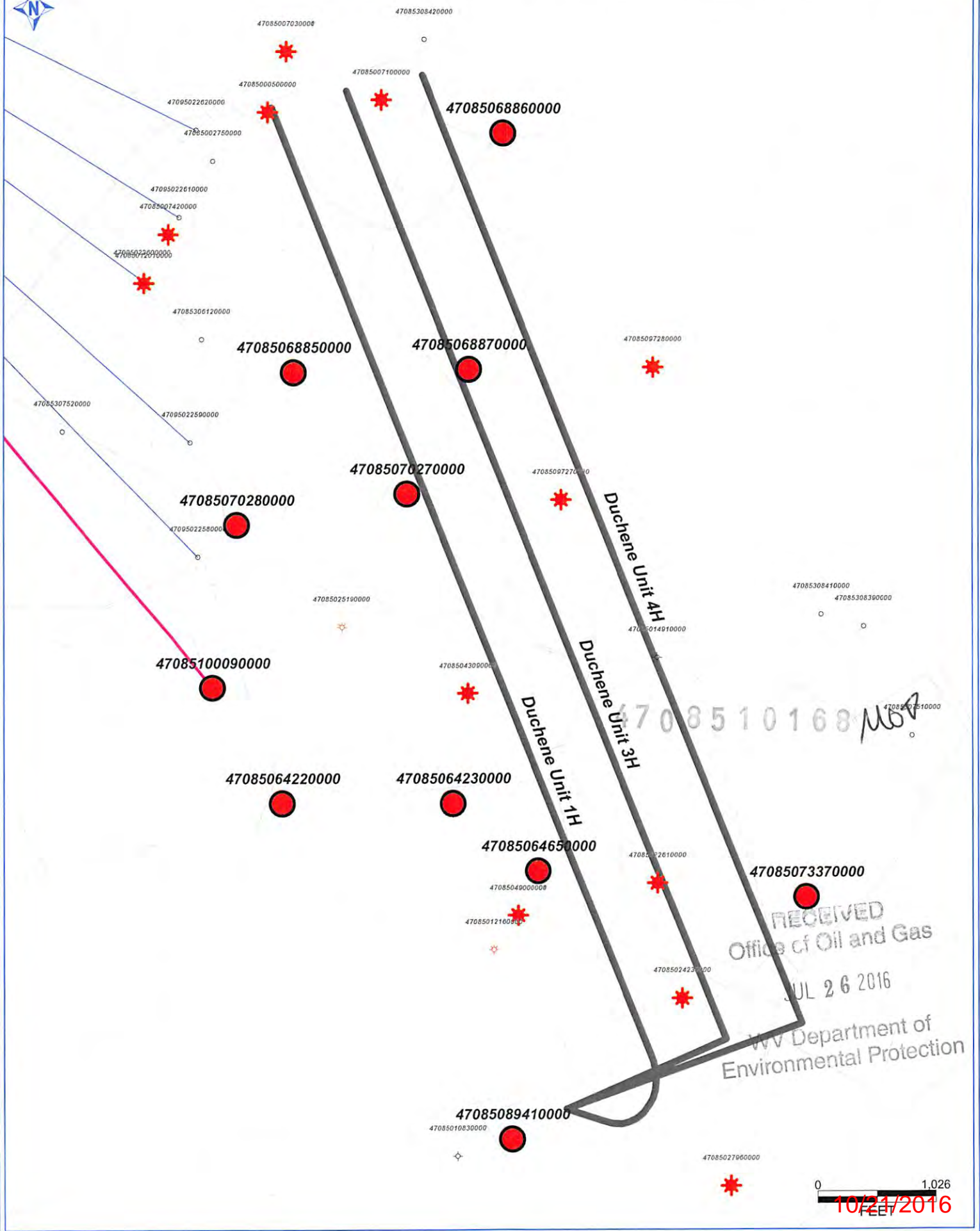
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
API WELL # 47 - 085 - 10168
WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
LOCATION: ELEVATION 1,145' ORIGINAL - 1,127' PROPOSED WATERSHED NORTH FORK HUGHES RIVER
QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE
SURFACE OWNER EDDY D. WAGGONER ET AL ACREAGE 59.93 ACRES +/-
OIL & GAS ROYALTY OWNER BETTY JOHNSON; ALTA HARPER ET AL; KENNETH DRAIN; MARY MAXINE WELCH; CURTIS M. BOWIE JR.; CLIFF WILSON ET UX; JAMES W. UTT; THE JOELYNN FAMILY TRUST

LEASE ACREAGE 130 AC±; 112 AC±; 1.82 AC±; 0.762 AC±; 413 AC±; 82 AC±; 22 AC±
PROPOSED WORK: DRILL CONVERT DRILL DEEPER X REDRILL FRACTURE OR STIMULATE X
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-BHL PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,800' TVD 17,600' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM-DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313



10/21/2016

DUCHENE UNIT 1H, 3H & 4H (KELLY PAD) - DATA COLLECTED ON OFFSET WELLS



RECEIVED
Office of Oil and Gas
JUL 26 2016
WV Department of
Environmental Protection

0 1,026
FEET
10/21/2016