

LATITUDE 39°17'30" 2,234'

4,994' TO BOTTOM HOLE
LATITUDE 39°20'00"

LONGITUDE 80°52'30"

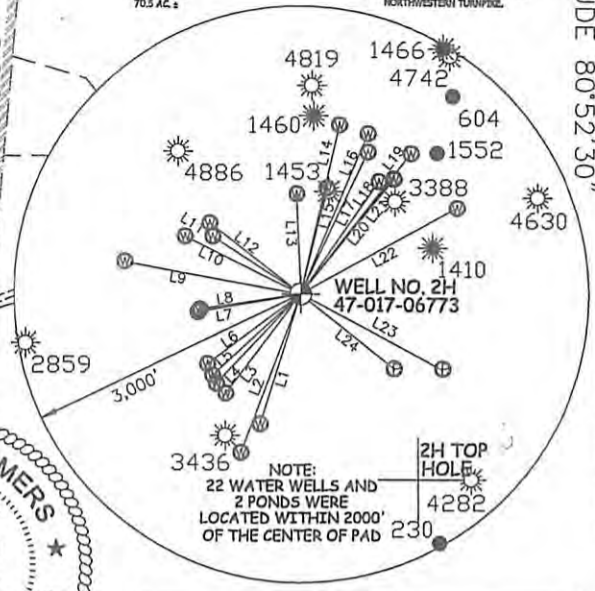
6,706'

13,101' TO BOTTOM HOLE

LONGITUDE 80°52'30"

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. THIS WELL HOLE IS SUBJECT TO THAT 80 FOOT STRIP OF GROUND KNOWN AS THE OLD NORTHWESTERN TURNPIKE.

ARTHUR G. PAYNE ET AL
D.B. 237 PG. 502
T.J. 8 PAR. 10
70.5 AC. ±

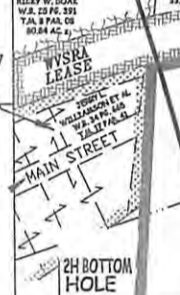


NOTE:
22 WATER WELLS AND
2 PONDS WERE
LOCATED WITHIN 2000'
OF THE CENTER OF PAD

LEGEND

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

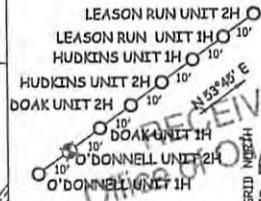
INSET



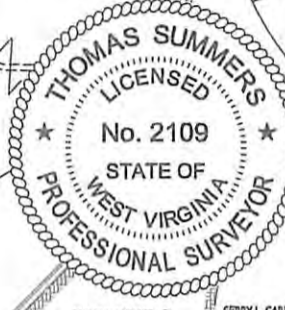
LINE	BEARING	DISTANCE
L1	S 17°08' V	1434.88'
L2	S 20°28' V	1701.77'
L3	S 36°32' V	1310.93'
L4	S 42°36' V	1294.43'
L5	S 46°24' V	1261.87'
L6	S 52°17' V	1225.91'
L7	S 57°29' V	1091.46'
L8	S 79°48' V	1063.90'
L9	N 80°55' V	1782.73'
L10	N 64°48' V	1335.52'
L11	N 58°06' V	1078.03'
L12	N 53°08' V	1182.93'
L13	N 02°11' V	1018.95'
L14	N 13°03' E	1785.65'
L15	N 14°28' E	1114.90'
L16	N 22°59' E	1792.96'
L17	N 25°40' E	1617.25'
L18	N 35°24' E	1410.38'
L19	N 38°30' E	1844.26'
L20	N 39°25' E	1527.58'
L21	N 39°40' E	1523.64'
L22	N 41°58' E	1053.25'
L23	S 61°19' E	1766.76'
L24	S 30°48' E	1341.88'

PAD LAYOUT

NOT TO SCALE



Antero Resources Corporation
Well No. O'Donnell Unit 2H
47-017-06773 (AS DRILLED)



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

JOB # 16-002WA
DRAWING # O'DONNELL2HADmod
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

DATE 06/30/17

OPERATOR'S WELL# O'DONNELL UNIT 2H

API WELL # 47-017-06773

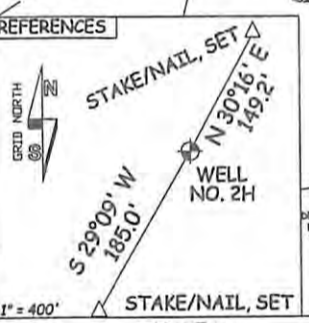
STATE COUNTY PERMIT

LEASE ACREAGE 39.15 AC. ±; 6.2 AC. ±; 148.793 AC. ±; 301.19 AC. ±; 83 AC. ±; 62 AC. ±; 176 AC. ±; 100 AC. ±; 98.3 AC. ±; 17.62 AC. ±

DIANNA STAMPER
CT CORPORATION SYSTEM

DESIGNATED AGENT ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

WELL OPERATOR ADDRESS 1615 WYNKOOP STREET DENVER, CO 80202



NOTES:
WELL 2H TOP HOLE INFORMATION:
N: 284,649ft E: 1,608,511ft
LAT: 39°16'23.72" LON: 80°52'58.41"
BOTTOM HOLE INFORMATION:
N: 293,471ft E: 1,605,885ft
LAT: 39°17'50.51" LON: 80°53'33.52"
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 2H TOP HOLE INFORMATION:
N: 4,347,116m E: 510,116m
BOTTOM HOLE INFORMATION:
N: 4,349,791m E: 509,272m

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 1,057' AS BUILT WATERSHED NORTH FORK HUGHES RIVER
QUADRANGLE PENNSBORO 7.5' DISTRICT CENTRAL COUNTY DODDRIDGE
SURFACE OWNER ALVADORE MCCLOY JR ET UX ACREAGE 17.98 ACRES +/-
OIL & GAS ROYALTY OWNER BRENDA J. MILLER; DALE L. SPRUNG; GAIL MASON; WVSRA;
WACO OIL & GAS CO. INC.; FREDRICK D. BOOTHE ET UX; HARRY D. WILLIAMSON ET AL; ORA E. DOAK ET UX; WACO OIL & GAS CO. INC.; LONNIE B. DOTSON
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) POE MOD
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,450' TVD 16,010' MD

08/04/2017

COUNTY NAME PERMIT