

LATITUDE 39°25'00"

11,198'

1,406' TO BOTTOM HOLE

LATITUDE 39°27'30"

Antero Resources Corporation Well No. Flames Unit 2H

NOTES: WELL 2H TOP HOLE INFORMATION: N: 331,243ft E: 1,635,586ft LAT: 39°24'08.20" LON: 80°47'22.66" BOTTOM HOLE INFORMATION: N: 342,892ft E: 1,633,770ft LAT: 39°26'03.06" LON: 80°47'47.93" 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 2H TOP HOLE INFORMATION: N: 4,361,449m E: 518,128m BOTTOM HOLE INFORMATION: N: 4,364,989m E: 517,516m

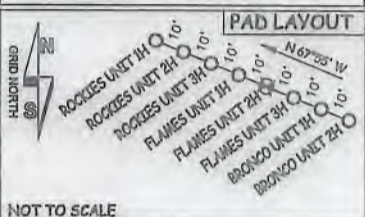


Table with 5 columns: TM-Par, Surface Owner, and well numbers (10-14 to 15-25.4). Lists names of surface owners and their corresponding well identifiers.

(NAD) 27 (UTM) ZONE 17 COORDS: WELL 2H TOP HOLE INFORMATION: N: 14,308,474ft E: 1,699,844ft POINT OF ENTRY INFORMATION: N: 14,309,221ft E: 1,701,339ft BOTTOM HOLE INFORMATION: N: 14,320,086ft E: 1,697,635ft

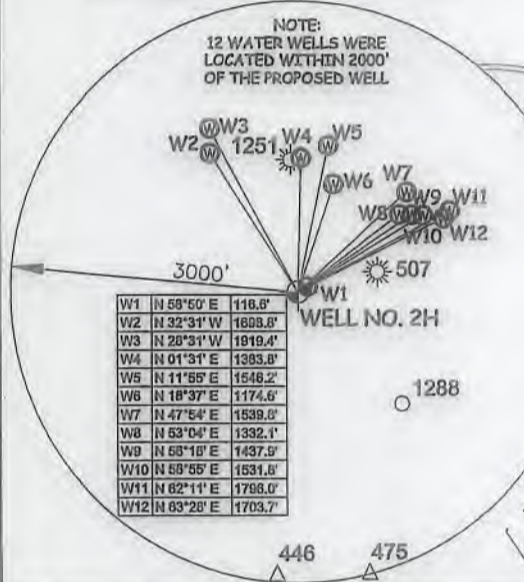
NOTE: NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

WV NORTH ZONE GRID NORTH

5,241' TO BOTTOM HOLE

LONGITUDE 80°45'00"

LONGITUDE 80°47'30"



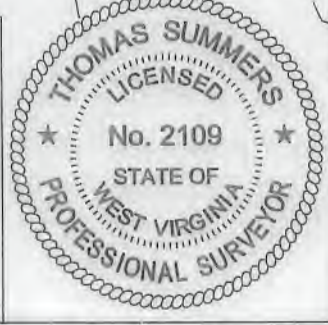
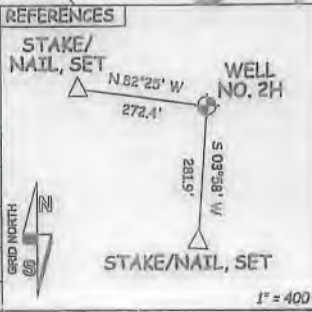
I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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

JOB # 19-005WA, DRAWING # FLAMES2H, SCALE 1" = 2000', 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

LEGEND: Surface Owner Boundary Lines +/-, Interior Surface Tracts +/-, Existing Fence, Found monument, as noted. THOMAS SUMMERS P.S. 2109, DATE 02/14/19, OPERATOR'S WELL # FLAMES UNIT #2H

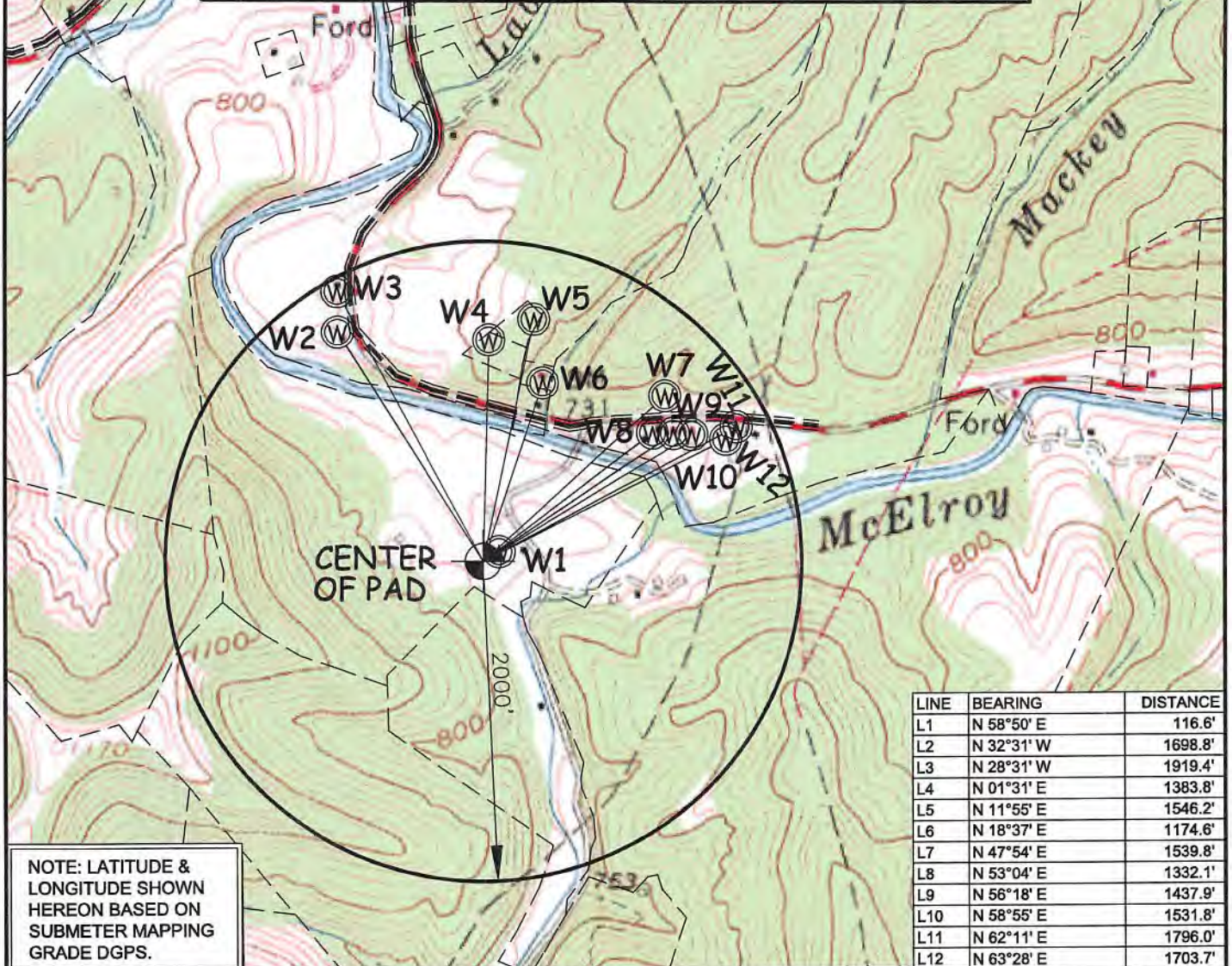


WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 095 -02602 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X STATE COUNTY PERMIT LOCATION: ELEVATION 754' - ORIGINAL 748.5' - PROPOSED WATERSHED McELROY CREEK QUADRANGLE SHIRLEY 7.5 DISTRICT McELROY COUNTY TYLER SURFACE OWNER ANTERO RESOURCES CORPORATION ACREAGE 127.86 ACRES +/- OIL & GAS ROYALTY OWNER B.F. REED ET UX; MARK A. BURNETT; K & D HOLDINGS, LLC; LEASE ACREAGE 130 AC.±; 256 AC.±; 219.39 AC.±; JIMMY J. GRIFFIN ET UX; LOREN E. BAGLEY ET AL; ANDREW SECKMAN; TROY SPENCER UNDERWOOD 236 AC.±; 502.8 AC.±; 300 AC.±; 257 AC.±; PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) PLUG & ABANDON CLEAN OUT & REPLUG TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,400' TVD 20,500' MD WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

FORM WW-9

COLORADO WEST PAD ANTERO RESOURCES CORPORATION

PAGE OF



| LINE | BEARING | DISTANCE |
|------|------------|----------|
| L1 | N 58°50' E | 116.6' |
| L2 | N 32°31' W | 1698.8' |
| L3 | N 28°31' W | 1919.4' |
| L4 | N 01°31' E | 1383.8' |
| L5 | N 11°55' E | 1546.2' |
| L6 | N 18°37' E | 1174.6' |
| L7 | N 47°54' E | 1539.8' |
| L8 | N 53°04' E | 1332.1' |
| L9 | N 56°18' E | 1437.9' |
| L10 | N 58°55' E | 1531.8' |
| L11 | N 62°11' E | 1796.0' |
| L12 | N 63°28' E | 1703.7' |

NOTE: LATITUDE & LONGITUDE SHOWN HEREON BASED ON SUBMETER MAPPING GRADE DGPS.

| WELL | SURFACE OWNER | ADDRESS | DIST-TAX MAP-PAR | WELL LATITUDE | WELL LONGITUDE |
|------|-------------------|---|------------------|---------------|----------------|
| W1 | MICHEAL D SLOSS | 76 Endeavor Drive. New Cumberland. WV 26047 | 5-16-02 | 39°24'08.83" | 80°47'21.48" |
| W2 | JIMMIE F GRIFFIN | 4028 McElroy Creek Road, Alma, WV 26320 | 5-16-08 | 39°24'22.26" | 80°47'34.64" |
| W3 | JIMMIE F GRIFFIN | 4028 McElroy Creek Road, Alma, WV 26320 | 5-16-08 | 39°24'24.76" | 80°47'34.73" |
| W4 | ROGER LEE GRIFFIN | 4211 McElrov Creek Road. Alma. WV 26320 | 5-16-08.1 | 39°24'21.90" | 80°47'22.53" |
| W5 | ROGER LEE GRIFFIN | 4211 McElrov Creek Road. Alma. WV 26320 | 5-16-08.2 | 39°24'23.22" | 80°47'18.95" |
| W6 | TODD ORR | 4279 McElroy Creek Road, Alma, WV 26320 | 5-16-19 | 39°24'19.28" | 80°47'18.17" |
| W7 | ALBERT BEBEE | HC 74 BOX 114A , ALMA , WV 26320 | 5-16-18 | 39°24'18.59" | 80°47'08.38" |
| W8 | KES INVESTMENTS 2 | 157 Chunloti Wav, Loudon, TN 37774 | 5-16-03 | 39°24'16.29" | 80°47'09.33" |
| W9 | KES INVESTMENTS 4 | 157 Chunloti Wav, Loudon, TN 37774 | 5-16-04 | 39°24'16.28" | 80°47'07.65" |
| W10 | KES INVESTMENTS 3 | 157 Chunloti Way, Loudon, TN 37774 | 5-16-05 | 39°24'16.23" | 80°47'06.18" |
| W11 | KES INVESTMENTS 3 | 157 Chunloti Way, Loudon, TN 37774 | 5-16-06 | 39°24'16.73" | 80°47'15.96" |
| W12 | MOORE E DONALD | 770 Newell Street, Painesville, OH 44077 | 5-16-07 | 39°24'15.96" | 80°47'03.46" |

| | | |
|--|---|--|
| WILLOW LAND SURVEYING, PLLC P.O. BOX 17, PENNSBORO, WV 26415 (304) 659-1717 | TOPO SECTION(S) OF : SHIRLEY 7.5' JOB #: 19-005WA FILE: COLORADOWESTWATERMAP | SCALE : 1-INCH = 1000-Feet 0' 1000' 2000' 3000' |
| DATE: 2/19/2019 | DRAWN BY: D.J.H. | Office of Oil and Gas FEB 26 2019 Department of Environmental Protection |