

LATITUDE 39°25'00"

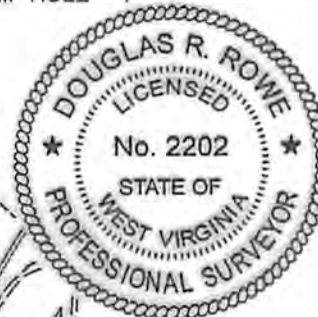
9,015'

LATITUDE 39°25'00" 2,448' TO BOTTOM HOLE

Antero Resources  
Appalachian Corporation  
Well No. Sweeney Unit 2H

Tyler County Sixteen Tracts

A	Ralph Sweeney	DB 301 PG 2 TM 20 PAR 17.1	12.468 Ac.
B	Mary Lemasters	WB 34 PG 23 TM 20 PAR 17.2	8.910 Ac.
C	Forest Moore	DB 253 PG 83 TM 20 PAR 14	0.81 Ac.
D	Forest Moore	DB 296 PG 134 TM 20 PAR 13.1	26.478 Ac.
E	Donald Moore	DB 296 PG 434 TM 20 PAR 8	20.25 Ac.
F	Olive Sheehy	DB 164 PG 443 TM 20 PAR 9	18.57 Ac.



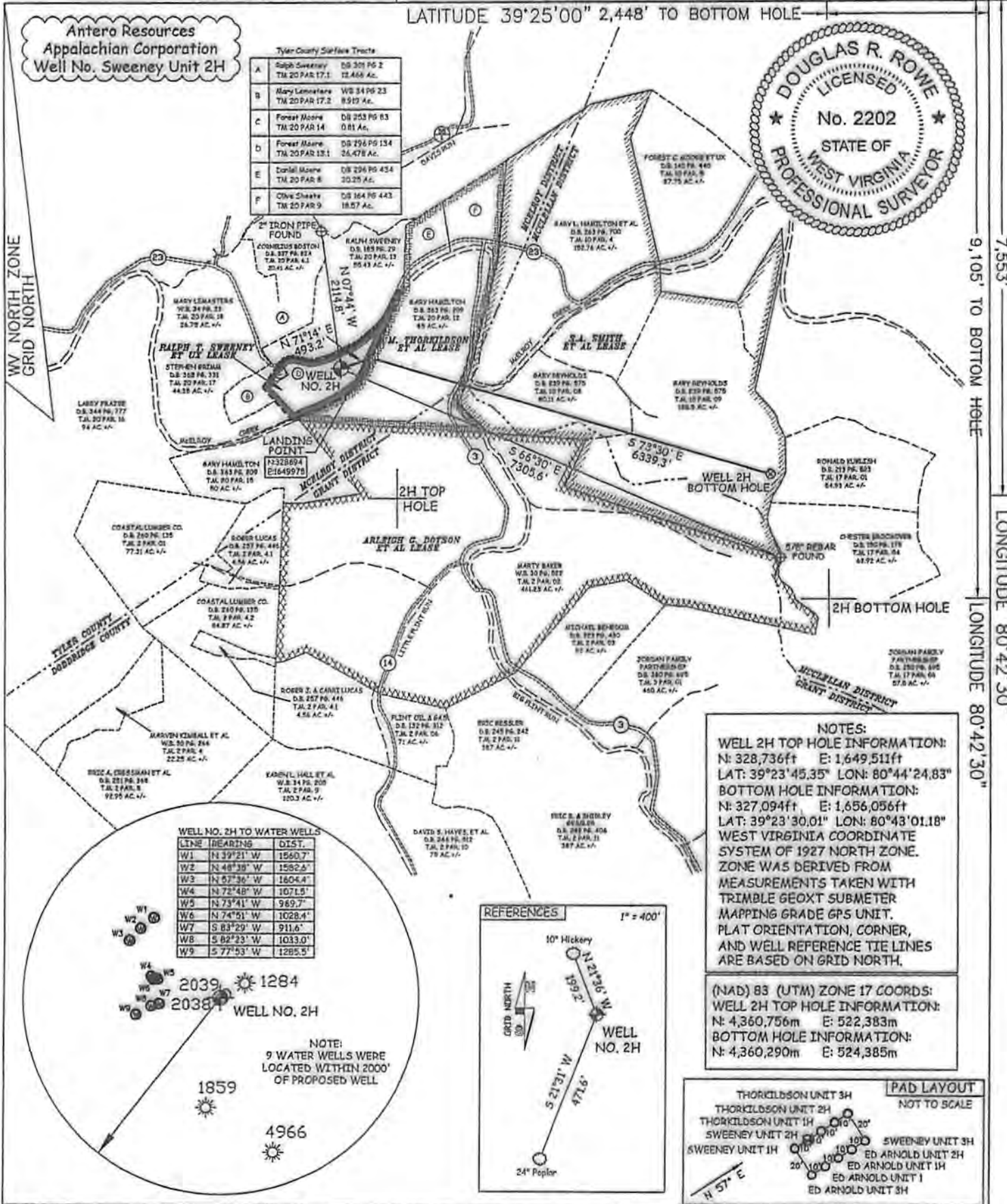
WV NORTH ZONE  
GRID NORTH

9,105' TO BOTTOM HOLE

7,553'

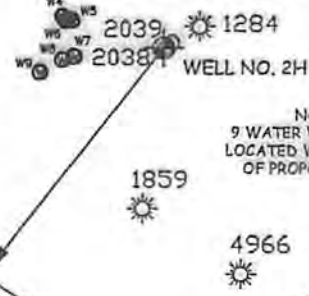
LONGITUDE 80°42'30"

LONGITUDE 80°42'30"



WELL NO. 2H TO WATER WELLS

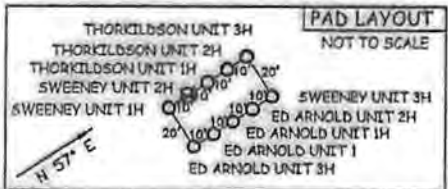
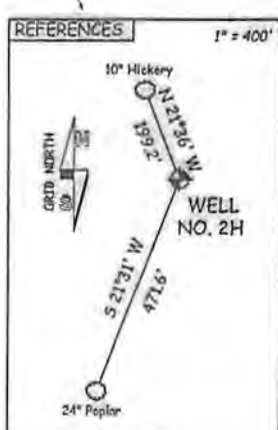
LINE	BEARING	DIST.
W1	N 39°21' W	1560.7'
W2	N 48°38' W	1582.5'
W3	N 57°36' W	1604.4'
W4	N 72°48' W	1071.5'
W5	N 73°41' W	969.7'
W6	N 74°51' W	1028.4'
W7	S 83°29' W	911.6'
W8	S 82°23' W	1033.0'
W9	S 77°53' W	1285.5'



NOTE:  
9 WATER WELLS WERE  
LOCATED WITHIN 2000'  
OF PROPOSED WELL

NOTES:  
WELL 2H TOP HOLE INFORMATION:  
N: 328,736ft E: 1,649,511ft  
LAT: 39°23'45.35" LON: 80°44'24.83"  
BOTTOM HOLE INFORMATION:  
N: 327,094ft E: 1,656,056ft  
LAT: 39°23'30.01" LON: 80°43'01.18"  
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: 4,360,756m E: 522,383m  
BOTTOM HOLE INFORMATION:  
N: 4,360,290m E: 524,385m



JOB # 12-052WA  
DRAWING # SWEENEY2H  
SCALE 1" = 2000'  
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 REGULATIONS ISSUED AND  
PRESCRIBED 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

LEGEND  
----- Surface Owner Boundary Lines +/-  
----- Interior Surface Tracts +/-  
----- Existing Fence  
⊕ Found monument, as noted  
**D. L. R. R.**  
DOUGLAS R. ROWE P.S. 2202

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 749' WATERSHED McELROY CREEK  
QUADRANGLE CENTER POINT 7.5' DISTRICT McELROY COUNTY TYLER

DATE 08/17/12  
OPERATOR'S WELL# SWEENEY UNIT #2H  
API WELL # 47 - 095 - 02067H/6A  
STATE COUNTY PERMIT

SURFACE OWNER FOREST & BRENDA MOORE ACREAGE 26.478 ACRES +/-  
OIL & GAS ROYALTY OWNER RALPH T. SWEENEY ET UX; M. THORIKILDSON ET AL; LEASE ACREAGE 25.868 ACRES±; 125.81 ACRES±;  
S.A. SMITH ET AL 443.88 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  
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,100' TVD 14,800' MD

WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER  
ADDRESS 1625 17TH STREET ADDRESS CT CORPORATION SYSTEM  
FORM WW-6 DENVER, CO 80202 ADDRESS 5400 D BIG TYLER ROAD  
CHARLESTON, WV 25313

COUNTY NAME PERMIT