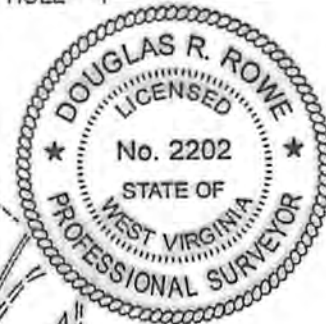


LATITUDE 39°25'00"

9,023'

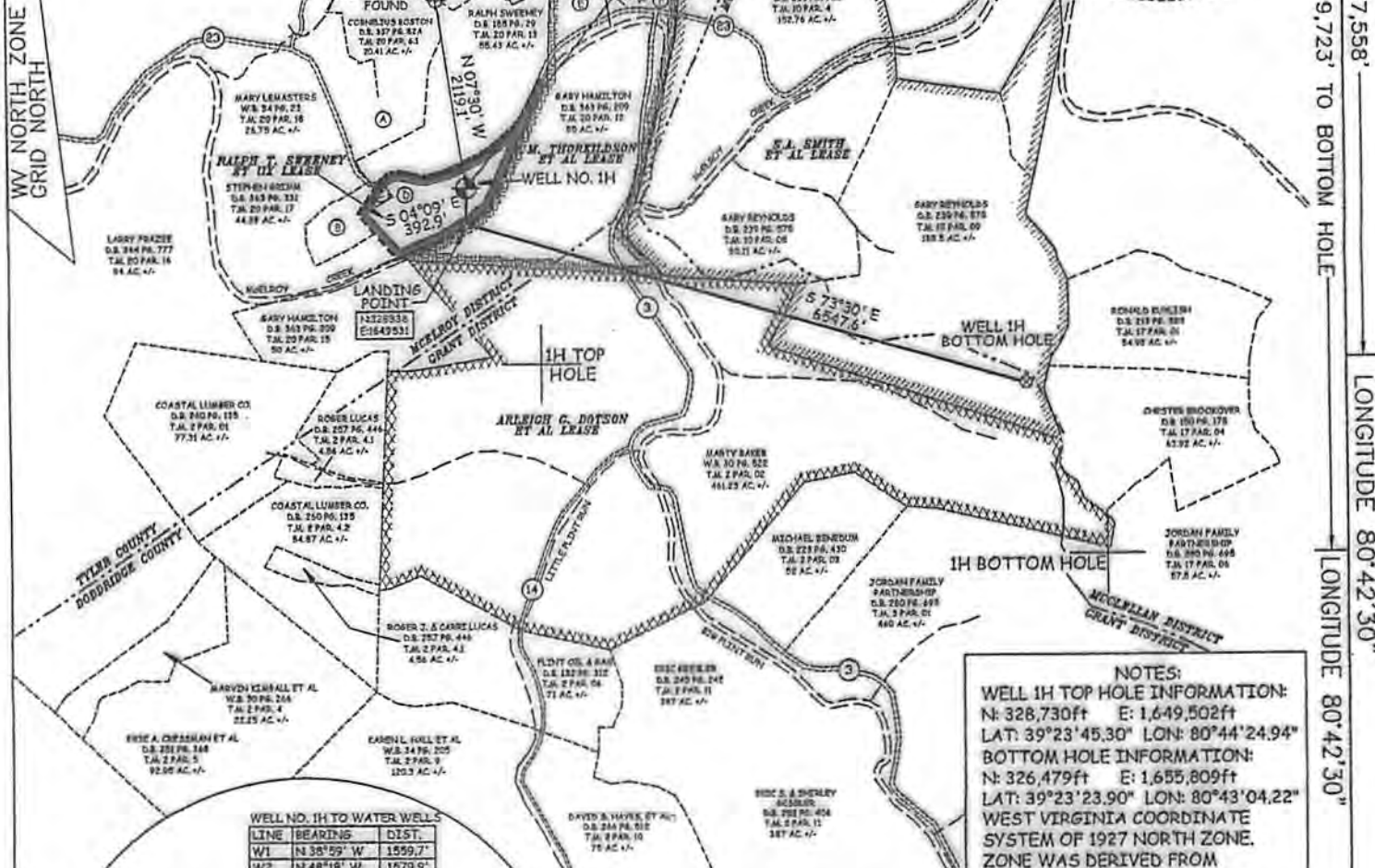
LATITUDE 39°25'00" 2,687' TO BOTTOM HOLE

Antero Resources Appalachian Corporation Well No. Sweeney Unit 1H



Tyler County Surface Tracts

A	Ralph Sweeney	DB 301 PG 2	TM 20 PAR 17.1	12,466 Ac.
B	Mary Lemasters	WB 34 PG 23	TM 20 PAR 17.2	8,349 Ac.
C	Forest Moore	DB 253 PG 83	TM 20 PAR 14	0.51 Ac.
D	Forest Moore	DB 294 PG 134	TM 20 PAR 13.1	26,478 Ac.
E	Daniel Moore	DB 294 PG 434	TM 20 PAR 8	30.25 Ac.
F	Olivia Sheets	DB 154 PG 443	TM 20 PAR 9	18.57 Ac.



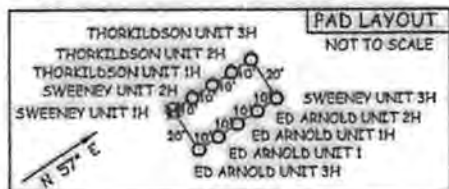
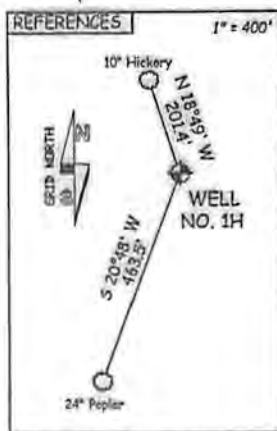
NOTES:
WELL 1H TOP HOLE INFORMATION:
 N: 328,730ft E: 1,649,502ft
 LAT: 39°23'45.30" LON: 80°44'24.94"
BOTTOM HOLE INFORMATION:
 N: 326,479ft E: 1,655,809ft
 LAT: 39°23'23.90" LON: 80°43'04.22"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE 6PS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
 N: 4,360,755m E: 522,380m
BOTTOM HOLE INFORMATION:
 N: 4,360,101m E: 524,313m

WELL NO. 1H TO WATER WELLS

LINE	BEARING	DIST.
W1	N 38°59' W	1559.7'
W2	N 48°18' W	1579.9'
W3	N 57°15' W	1600.3'
W4	N 72°23' W	1065.1'
W5	N 73°14' W	963.2'
W6	N 74°26' W	1021.8'
W7	S 83°46' W	902.7'
W8	S 82°38' W	1024.0'
W9	S 78°02' W	1276.2'

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



JOB # 12-052WA
 DRAWING # SWEENEY1H
 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 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

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

DOUGLAS R. ROWE P.S. 2202

DATE 08/17/12
 OPERATOR'S WELL# SWEENEY UNIT #1H
 API WELL # 47 - 095 - 02068H 604
 STATE COUNTY PERMIT

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 749' WATERSHED McELROY CREEK
 QUADRANGLE CENTER POINT 7.5' DISTRICT McELROY COUNTY TYLER
 SURFACE OWNER FOREST & BRENDA MOORE ACREAGE 26,478 ACRES +/-
 OIL & GAS ROYALTY OWNER RALPH T. SWEENEY ET UX; M. THORKILDSON ET AL; ARLEIGH C. DOTSON ET AL; S.A. SMITH ET AL LEASE ACREAGE 25,668 ACRES; 125.91 ACRES; 446.5 ACRES; 443.68 ACRES;

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 7,100' TVD 14,800' MD
 WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1625 17TH STREET ADDRESS CT CORPORATION SYSTEM
 DENVER, CO 80202 CHARLESTON, WV 25313

7,558'
 9,723' TO BOTTOM HOLE
 LONGITUDE 80°42'30"
 LONGITUDE 80°42'30"