

LATITUDE 39°25'00"

8,990'

LATITUDE 39°25'00" 2,849' TO BOTTOM HOLE

7,963' TO BOTTOM HOLE

7,536'

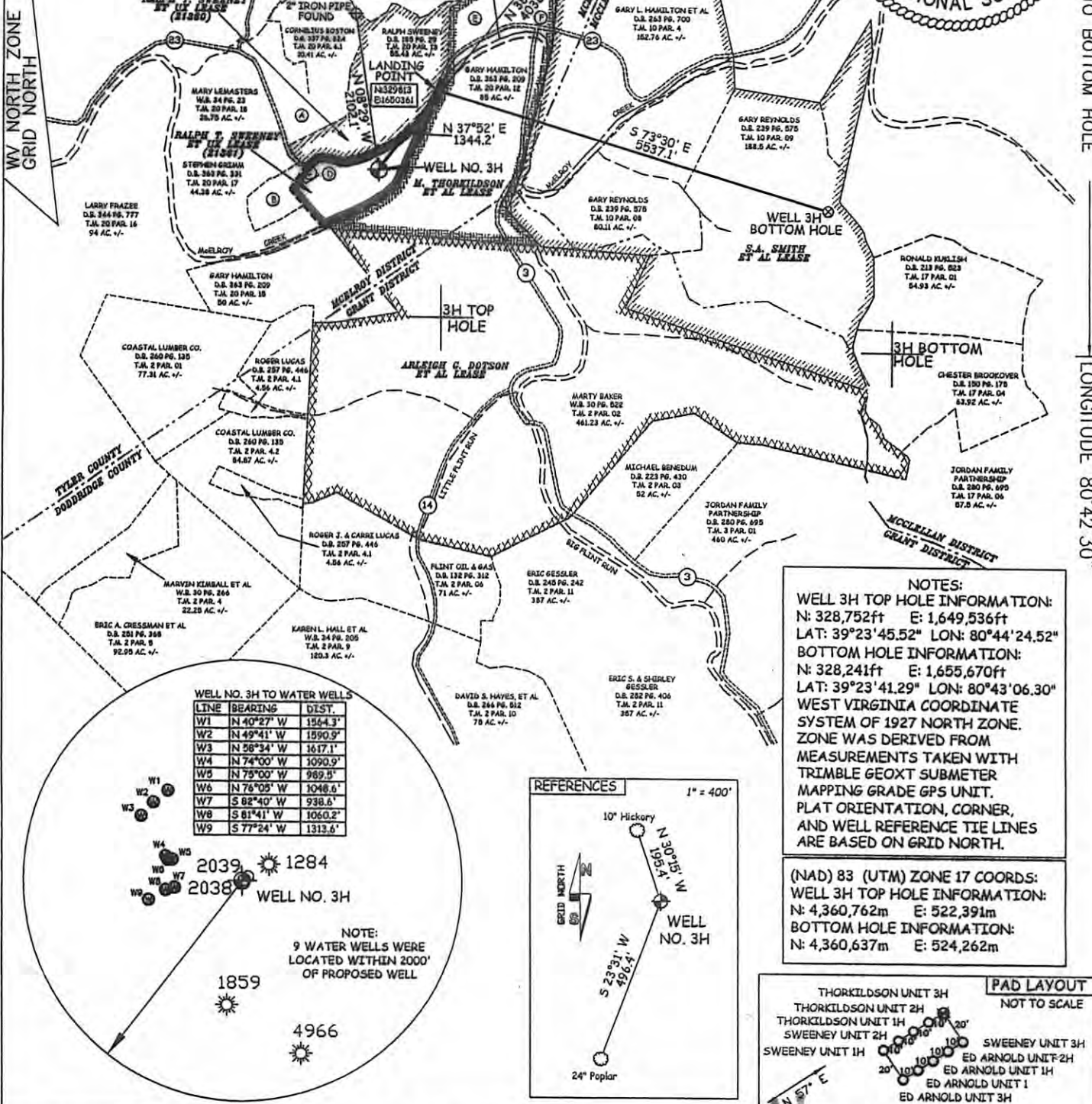
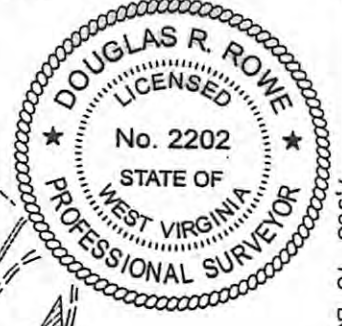
LONGITUDE 80°42'30"

LONGITUDE 80°42'30"

Antero Resources
Appalachian Corporation
Well No. Thorkildson Unit 3H

Tyler County Surface Tracts

A	Ralph Sweeney	DB 301 PG 2	T.M. 20 PAR. 17.1	12.466 Ac.
B	Mary Lemasters	WB 34 PG 23	T.M. 20 PAR. 17.2	8.919 Ac.
C	Forest Moore	DB 253 PG 03		0.81 Ac.
D	Forest Moore	DB 296 PG 134		26.478 Ac.
E	Doniel Moore	DB 296 PG 434		20.25 Ac.
F	Clive Sheets	DB 164 PG 443		18.57 Ac.

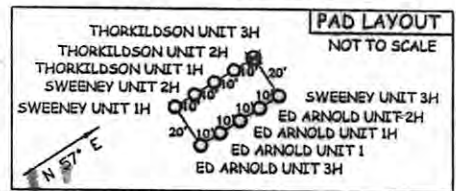
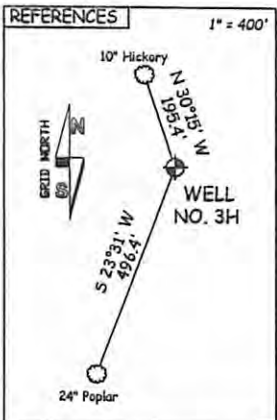
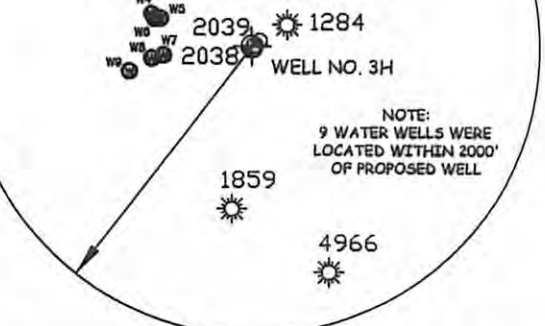


NOTES:
WELL 3H TOP HOLE INFORMATION:
N: 328,752ft E: 1,649,536ft
LAT: 39°23'45.52" LON: 80°44'24.52"
BOTTOM HOLE INFORMATION:
N: 328,241ft E: 1,655,670ft
LAT: 39°23'41.29" LON: 80°43'06.30"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT 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 3H TOP HOLE INFORMATION:
N: 4,360,762m E: 522,391m
BOTTOM HOLE INFORMATION:
N: 4,360,637m E: 524,262m

WELL NO. 3H TO WATER WELLS

LINE	BEARING	DIST.
W1	N 40°27' W	1564.3'
W2	N 49°41' W	1590.9'
W3	N 56°34' W	1617.1'
W4	N 74°00' W	1090.9'
W5	N 75°00' W	969.5'
W6	N 76°05' W	1048.6'
W7	S 82°40' W	938.6'
W8	S 81°41' W	1060.2'
W9	S 77°24' W	1313.6'



JOB # 12-053WA
DRAWING # THORKILDSON3H
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 01/29/13
OPERATOR'S WELL# THORKILDSON UNIT #3H

API WELL # 095
STATE COUNTY PERMIT 0207716A

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

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 (21361); M. THORKILDSON ET AL; RALPH T. SWEENEY ET UX (21360); S.A. SMITH ET AL LEASE ACREAGE 25.688 ACRES+; 125.91 ACRES+; 55.43 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 BURKETT ESTIMATED DEPTH 6,900' TVD 15,500' MD

WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1625 17TH STREET ADDRESS CT CORPORATION SYSTEM
5400 D BIG TYLER ROAD
DENVER, CO 80202 CHARLESTON, WV 25301

CANCELLED