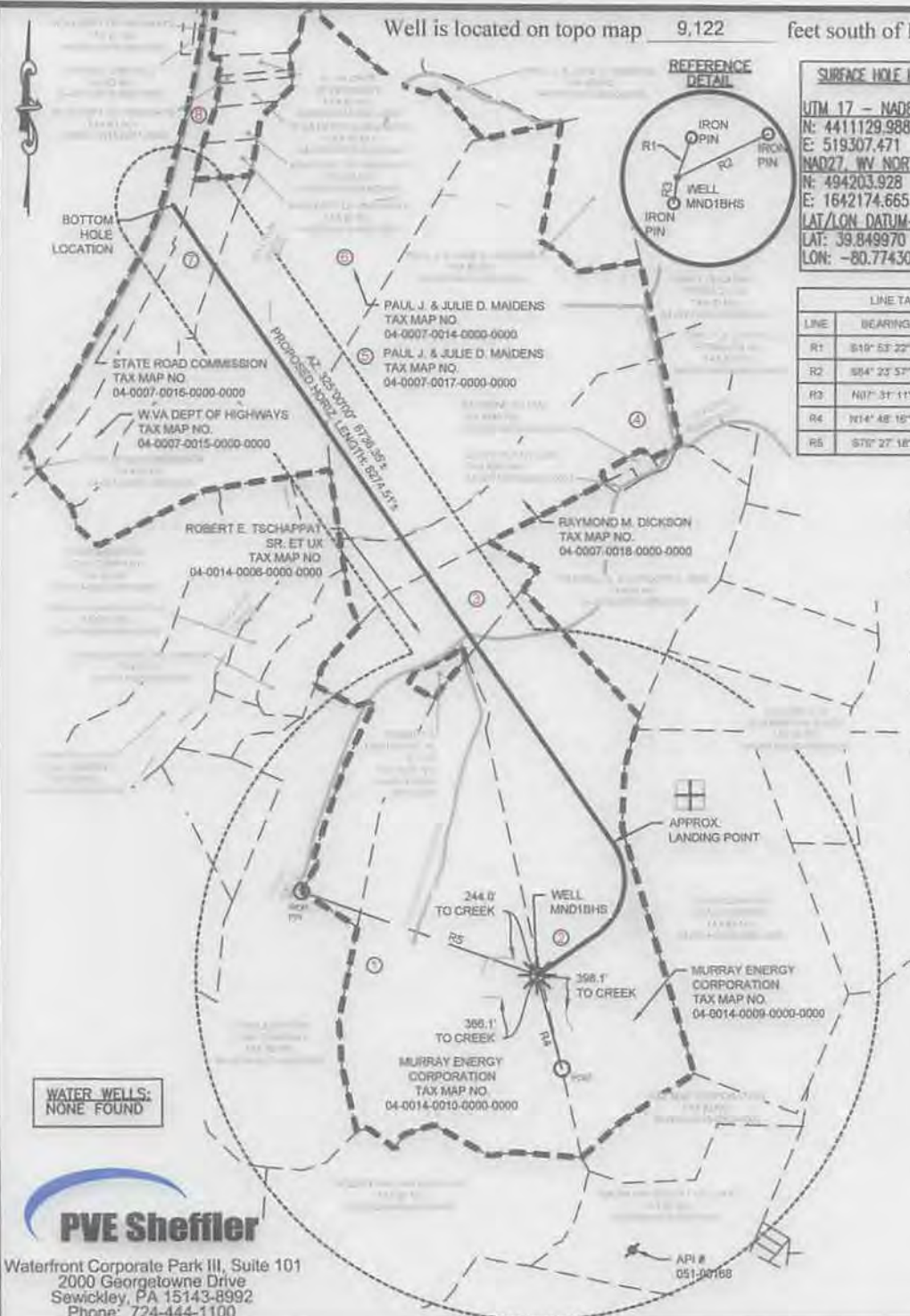


Well is located on topo map 9,122 feet south of Latitude: 39° 52' 30"

Well is located on topo map 6,821 feet west of Longitude: 80° 45' 00"



REFERENCE DETAIL



SURFACE HOLE LOCATION (SH)

UTM 17 - NAD83
 N: 4411129.988
 E: 519307.471
 NAD27, WV NORTH
 N: 494203.928
 E: 1642174.665
 LAT/LON DATUM-NAD83
 LAT: 39.849970
 LON: -80.774304

APPROX. LANDING POINT

UTM 17 - NAD83
 N: 4411485.187
 E: 519505.560
 NAD27, WV NORTH
 N: 495358.646
 E: 1642844.141
 LAT/LON DATUM-NAD83
 LAT: 39.853166
 LON: -80.771978

LINE TABLE

LINE	BEARING	DISTANCE
R1	S10° 53' 22"W	244.95'
R2	S84° 23' 57"W	587.25'
R3	N07° 31' 11"E	150.97'
R4	N14° 48' 16"W	839.24'
R5	S70° 27' 18"E	2193.13'

BOTTOM HOLE LOCATION

UTM 17 - NAD83
 N: 4413146.614
 E: 518300.334
 NAD27, WV NORTH
 N: 500876.786
 E: 1638980.298
 LAT/LON DATUM-NAD83
 LAT: 39.868162
 LON: -80.786020

NOTES:

1. There are no water wells or developed springs within 250' of proposed well.
2. There are no existing buildings within 625' of proposed well.
3. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
4. There are no native trout streams within 300' of proposed well.
5. Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
6. It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, and based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

LEGEND

- TOPO MAP POINT
- WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED WWA-1
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM/WATERWAY
- ROAD

WELLS WITHIN 3000'

- PLUGGED WELL

WATER WELLS:
NONE FOUND



Waterfront Corporate Park III, Suite 101
 2000 Georgetowne Drive
 Sewickley, PA 15143-8992
 Phone: 724-444-1100

FILE #: MND 1 BHS
 DRAWING #: MND 1 BHS
 SCALE: 1"=1500'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT H 138. 638.58'

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.

SIGNED: Charles Douglas Davidson
 R.P.E.: _____ L.L.S.: P.S. NO. 819



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304



DATE: JULY 30, 2014 REV. AUGUST 4, 2014
 OPERATOR'S WELL #: MND 1 BHS
 API WELL # 47 051 H6A 01768
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: OHIO RIVER ELEVATION: 1152.08'
 COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: POWHATAN POINT, W. VA./OHIO
 SURFACE OWNER: MURRAY ENERGY CORPORATION ACREAGE: 126.99
 OIL & GAS ROYALTY OWNER: CNX GAS COMPANY, LLC, ET AL. ACREAGE: 126.99

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,360' ± TMD: 15,774' ±
 WELL OPERATOR: NOBLE ENERGY, INC. DESIGNATED AGENT: STEVEN M. GREEN
 Address: 333 TECHNOLOGY DRIVE, SUITE 116 Address: 500 VIRGINIA STREET EAST, UNITED CENTER SUITE 590
 City CANNONSBURG State PA Zip Code 15317 City CHARLESTON State WV Zip Code 25301

10/31/2014

04-0007-0018-0000-0400

No Water Wells or Springs within 1,500'

47 05 10 17 68

04-0014-0006-0000-0400

04-0014-0006-0001-0400

04-0013-0002-0000-0400

04-0014-0011-0000-0400

04-0014-0009-0000-0400

04-0014-0008-0000-0400

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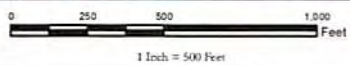
05-0002-0015-0000-0500

05-0002-0006-0000-0500

05-0002-0009-0000-0500

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MND 1 SITE SAFETY PLAN
- WATER WELL PURVEYORS -



Date: 8/5/2014

Author: Christopher Glover



- Well Foot
- Well Foot Boundary
- Water Well Buffer
- Pipeline
- Contour
- Slope

Projection: NAD 1927 StatePlane West Virginia North FIPS 4701
Units: Foot US

****Disclaimer: All data is licensed for use by Noble Energy Inc. use only.****