

REFERENCE DETAIL

Well is located on topo map 11,202

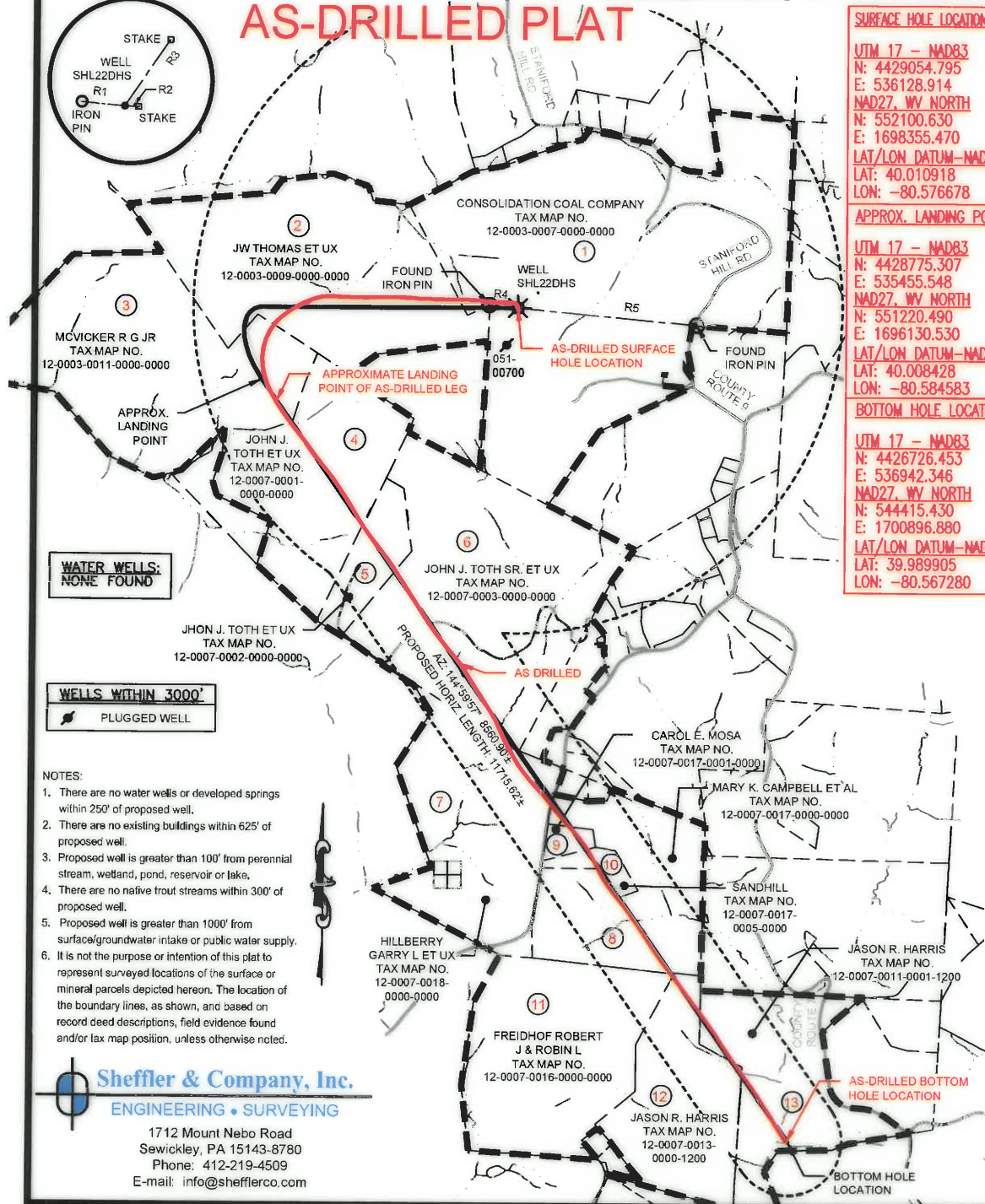
feet south of Latitude: 40° 02' 30"

# AS-DRILLED PLAT



SURFACE HOLE LOCATION (SHL)	SURFACE HOLE LOCATION (SHL)
<b>UTM 17 - NAD83</b> N: 4429054.795 E: 536128.914 <b>NAD27, WV NORTH</b> N: 552100.630 E: 1698355.470 <b>LAT/LON DATUM-NAD83</b> LAT: 40.010918 LON: -80.576678	<b>UTM 17 - NAD83</b> N: 4429054.451 E: 536129.264 <b>NAD27, WV NORTH</b> N: 552099.479 E: 1698356.601 <b>LAT/LON DATUM-NAD83</b> LAT: 40.010915 LON: -80.576674
APPROX. LANDING POINT	APPROX. LANDING POINT
<b>UTM 17 - NAD83</b> N: 4428775.307 E: 535455.548 <b>NAD27, WV NORTH</b> N: 551220.490 E: 1696130.530 <b>LAT/LON DATUM-NAD83</b> LAT: 40.008428 LON: -80.584583	<b>UTM 17 - NAD83</b> N: 4428839.163 E: 535412.767 <b>NAD27, WV NORTH</b> N: 551432.385 E: 1695993.656 <b>LAT/LON DATUM-NAD83</b> LAT: 40.009005 LON: -80.585081
BOTTOM HOLE LOCATION	BOTTOM HOLE LOCATION
<b>UTM 17 - NAD83</b> N: 4426726.453 E: 536942.346 <b>NAD27, WV NORTH</b> N: 544415.430 E: 1700896.880 <b>LAT/LON DATUM-NAD83</b> LAT: 39.989905 LON: -80.567280	<b>UTM 17 - NAD83</b> N: 4426727.792 E: 536944.500 <b>NAD27, WV NORTH</b> N: 544419.704 E: 1700904.021 <b>LAT/LON DATUM-NAD83</b> LAT: 39.989917 LON: -80.567255

Well is located on topo map 9,810 feet west of Longitude: 80° 32' 30"



LINE TABLE		
LINE	BEARING	DISTANCE
R1	S84°26'24"E	266.24'
R2	N87°46'34"W	84.20'
R3	S34°19'11"W	494.00'
R4	S84°26'24"E	266.24'
R5	N84°38'15"W	1657.62'

**LEGEND**

- TOPO MAP POINT
- WELL
- WATER SOURCE
- LEASED NUMBER BASED ON ATTACHED W66A1
- ALL ARE POINTS UNLESS OTHERWISE NOTED
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- PROPOSED HORIZONTAL WELL
- WELL REFERENCE
- STREAM CENTERLINE
- ROAD
- AS-DRILLED HORIZONTAL WELL

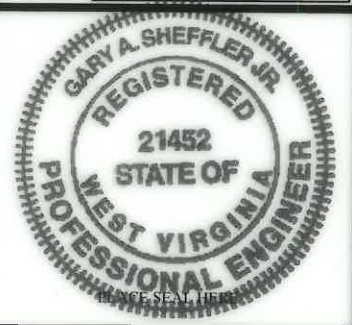
- NOTES:**
- There are no water wells or developed springs within 250' of proposed well.
  - There are no existing buildings within 625' of proposed well.
  - Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
  - There are no native trout streams within 300' of proposed well.
  - Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
  - 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, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

**Sheffler & Company, Inc.**  
 ENGINEERING • SURVEYING  
 1712 Mount Nebo Road  
 Sewickley, PA 15143-8780  
 Phone: 412-219-4509  
 E-mail: info@shefflerco.com

FILE #: SHL 22 DHS  
 DRAWING #: SHL 22 DHS  
 SCALE: 1"=1500'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT WILSON KNOB 1462.02

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: *Gary A. Sheffler, Jr.*  
 R.P.E.: 21452 L.L.S.: P.S. NO.



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

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

WATERSHED: WHEELING CREEK ELEVATION: 1322'  
 COUNTY/DISTRICT: MARSHALL / SAND HILL QUADRANGLE: VALLEY GROVE, W. VA.  
 SURFACE OWNER: CONSOL MINING CO. (CONSOL ENERGY) ACREAGE: 170.55  
 OIL & GAS ROYALTY OWNER: CNX GAS COMPANY, LLC, ET AL. ACREAGE: 170.55

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  
 WELL OPERATOR: NOBLE ENERGY, INC.  
 Address: 3301 HOBBS CENTER DRIVE SUITE 100 CANNONSBURG, PA 15317  
 City CANNONSBURG State PA Zip Code 15317



DATE: MARCH 13, 2017  
 OPERATOR'S WELL #: SHL 22 DHS - AS DRILLED  
 API WELL # 47 051 01809  
 STATE COUNTY PERMIT

ESTIMATED DEPTH: TVD: 6,680' ± TMD: 16,413' ±  
 DESIGNATED AGENT: STEVEN M. GREEN  
 Address: 500 VIRGINIA STREET EAST, UNITED CENTER SUITE 590  
 City CHARLESTON State WV Zip Code 25301

05/26/2017