

PENN VIRGINIA COAL COMPANY LEASE

3,600 ACRES±

WELL NO. CF-2H

WELL NO. CF-2H
STATE PLANE COORDINATES
SOUTH ZONE (NAD'27)

N. 431,096
E. 1,858,349

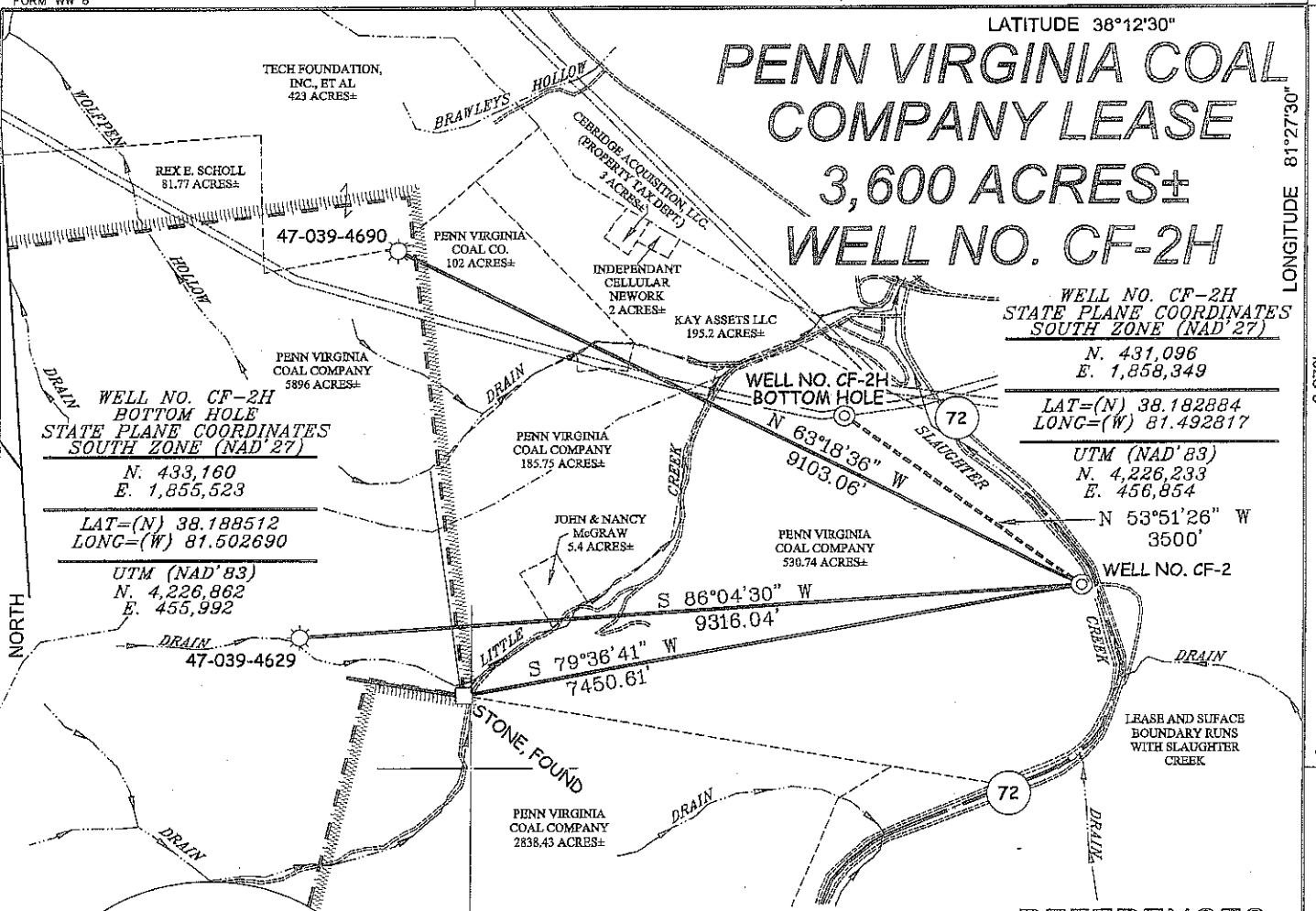
LAT=(N) 38.182884
LONG=(W) 81.492817

UTM (NAD'83)
N. 4,226,233
E. 456,854

N 53°51'26" W
3500'

WELL NO. CF-2

LEASE AND SURFACE
BOUNDARY RUNS
WITH SLAUGHTER
CREEK



WELL NO. CF-2H
BOTTOM HOLE
STATE PLANE COORDINATES
SOUTH ZONE (NAD'27)

N. 433,160
E. 1,855,523

LAT=(N) 38.188512
LONG=(W) 81.502690

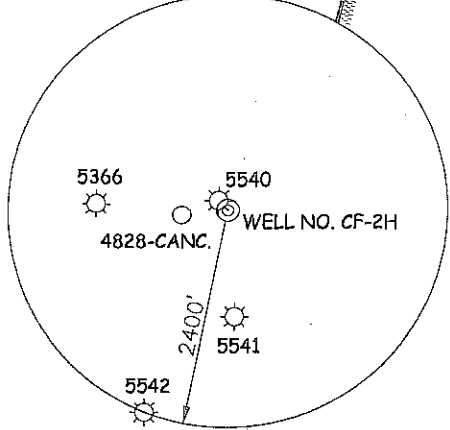
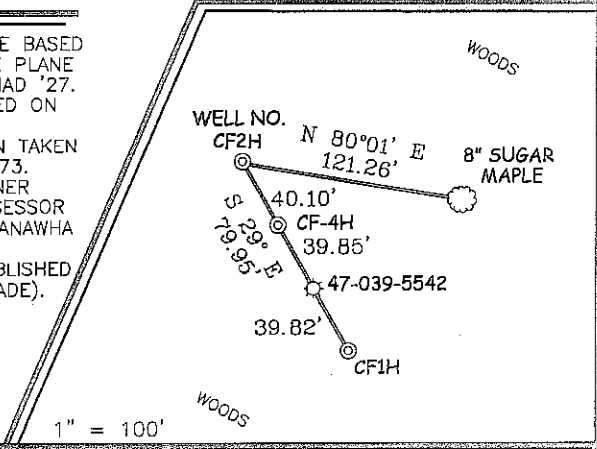
UTM (NAD'83)
N. 4,226,862
E. 455,992

WELL NO. CF-2H
47-039-4629

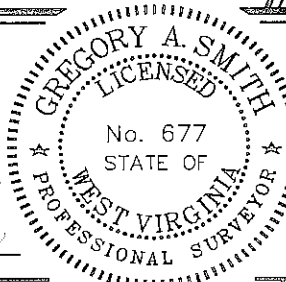
NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 01/30/12.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 1196 PAGE 73.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF KANAWHA COUNTY IN JULY, 2011.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

REFERENCES



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 DIVISION OF ENVIRONMENTAL PROTECTION.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE FEBRUARY 2, 20 12
OPERATORS WELL NO. CF-2H
API WELL NO. 47-039-0103294
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500
FILE NO. 2489APCF2HR2 (389-28)
SCALE 1" = 2,000'
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE)

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 654' WATERSHED SLAUGHTER CREEK
DISTRICT CABIN CREEK COUNTY KANAWHA QUADRANGLE CEDAR GROVE 7.5'

SURFACE OWNER PENN VIRGINIA COAL COMPANY ACREAGE 530.74±
ROYALTY OWNER PENN VIRGINIA COAL COMPANY LEASE ACREAGE 3,600±

PROPOSED WORK: LEASE NO. _____
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION _____ WEIR _____
ESTIMATED DEPTH 1,920'

WELL OPERATOR NORTHSTAR ENERGY CORPORATION DESIGNATED AGENT NANCY ABCOUWER
ADDRESS 900 LEE STREET E., SUITE 940 ADDRESS 900 LEE STREET E., SUITE 940
CHARLESTON, WV 25301 CHARLESTON, WV 25301

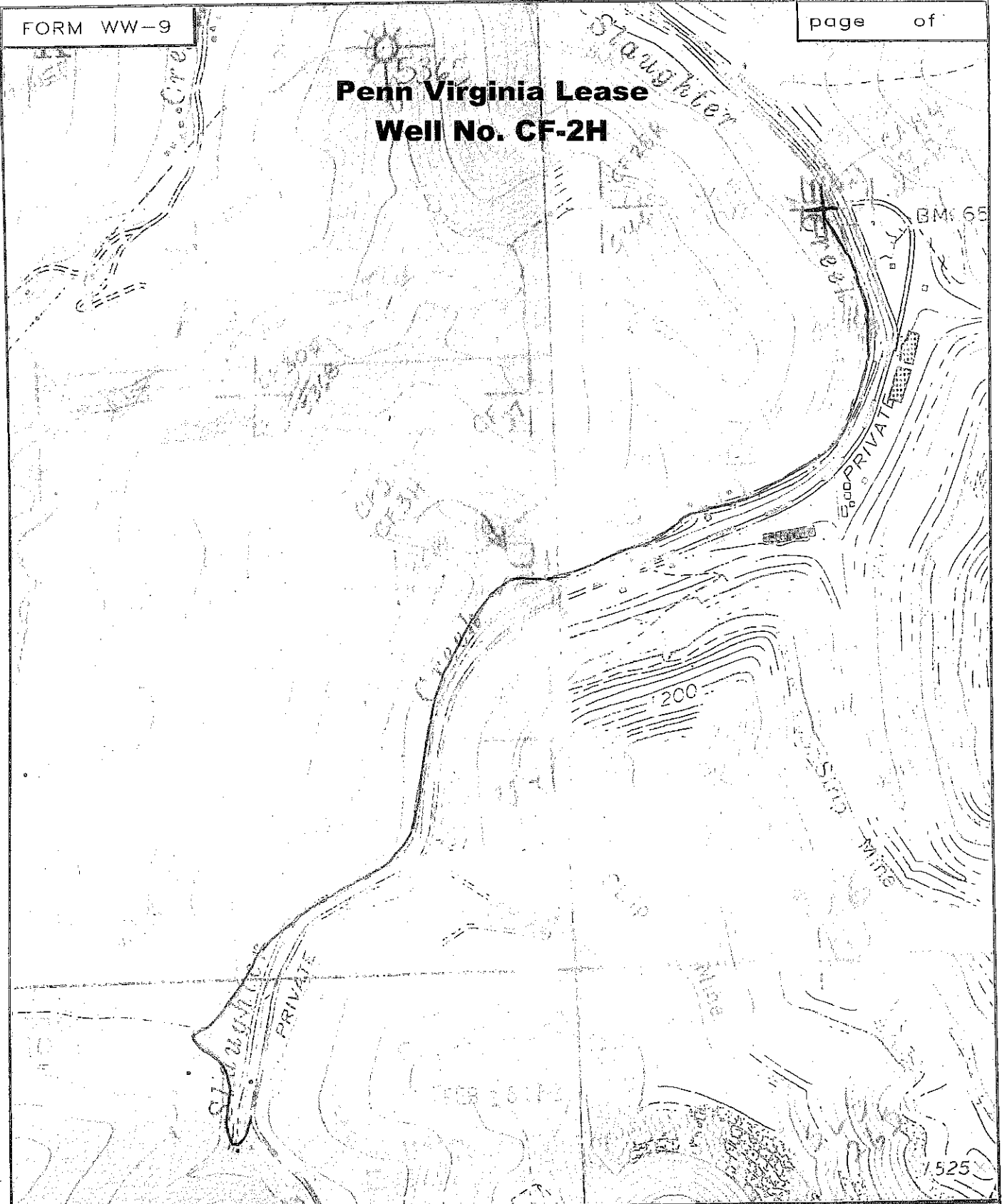
03/02/2012

39-06329H

FORM WW-9

page of

**Penn Virginia Lease
Well No. CF-2H**



SMITH LAND SURVEYING
P.O. BOX 150 GLENVILLE, WV. 26351

TOPO SECTION OF CEDAR GROVE 7.5'

FILE NO. 2489A DATE 2/2/12 SCALE 1"=200'

03/02/2012