

BHL is located on topo map 8,207 feet south of Latitude: 39° 25' 00"
 SHL is located on topo map 7,908 feet south of Latitude: 39° 22' 30"

SEE PAGE 2 FOR PLAT DUE TO LENGTH OF LATERAL

SEE PAGE 3 FOR SURFACE OWNERS AND LESSORS

BHL is located on topo map 6,238 feet west of Longitude: 80° 50' 00"
 SHL is located on topo map 3,443 feet west of Longitude: 80° 50' 00"



SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83
 N:4355993.93
 E:513310.94
 NAD83, WV NORTH
 N:313640.103
 E:1588038.866
 LAT/LON DATUM-NAD83
 LAT:39°21'11.838"
 LON:80°50'43.829"

APPROX. LANDING POINT
UTM 17-NAD83
 N:4356254.54
 E:513880.05
 NAD83, WV NORTH
 N:314464.140
 E:1589920.686
 LAT/LON DATUM-NAD83
 LAT:39°21'20.259"
 LON:80°50'20.031"

APPROX. DEFLECTION POINT
UTM 17-NAD83
 N:4357391.42
 E:513467.24
 NAD83, WV NORTH
 N:318217.443
 E:1588628.316
 LAT/LON DATUM-NAD83
 LAT:39°21'57.162"
 LON:80°50'37.198"

BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83
 N:4360525.64
 E:512450.85
 NAD83, WV NORTH
 N:328558.125
 E:1585464.642
 LAT/LON DATUM-NAD83
 LAT:39°23'38.887"
 LON:80°51'19.467"



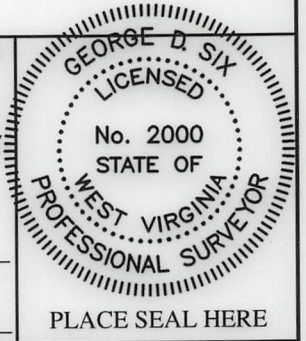
THRASHER

CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES
 600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
 PHONE (304) 624-4108 • FAX (304) 624-7831

FILE #: SHR 37 IHSM
 DRAWING #: SHR 37 IHSM
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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: *George D. Six*
 R.P.E.: _____ L.L.S.: P.S. No. 2000



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



DATE: JANUARY 16, 2020
 OPERATOR'S WELL #: SHR 37 IHSM
 API WELL #: 47 95 02664
 STATE COUNTY PERMIT

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

WATERSHED: HEADWATERS MIDDLE ISLAND CREEK ELEVATION: 828.57'±

COUNTY/DISTRICT: TYLER / CENTERVILLE QUADRANGLE: WEST UNION, WV 7.5'

SURFACE OWNER: CNX GAS COMPANY ACREAGE: 18±

OIL & GAS ROYALTY OWNER: ELEANOR V. & DEAN A. EARNHEART, ET AL ACREAGE: 1058.068±

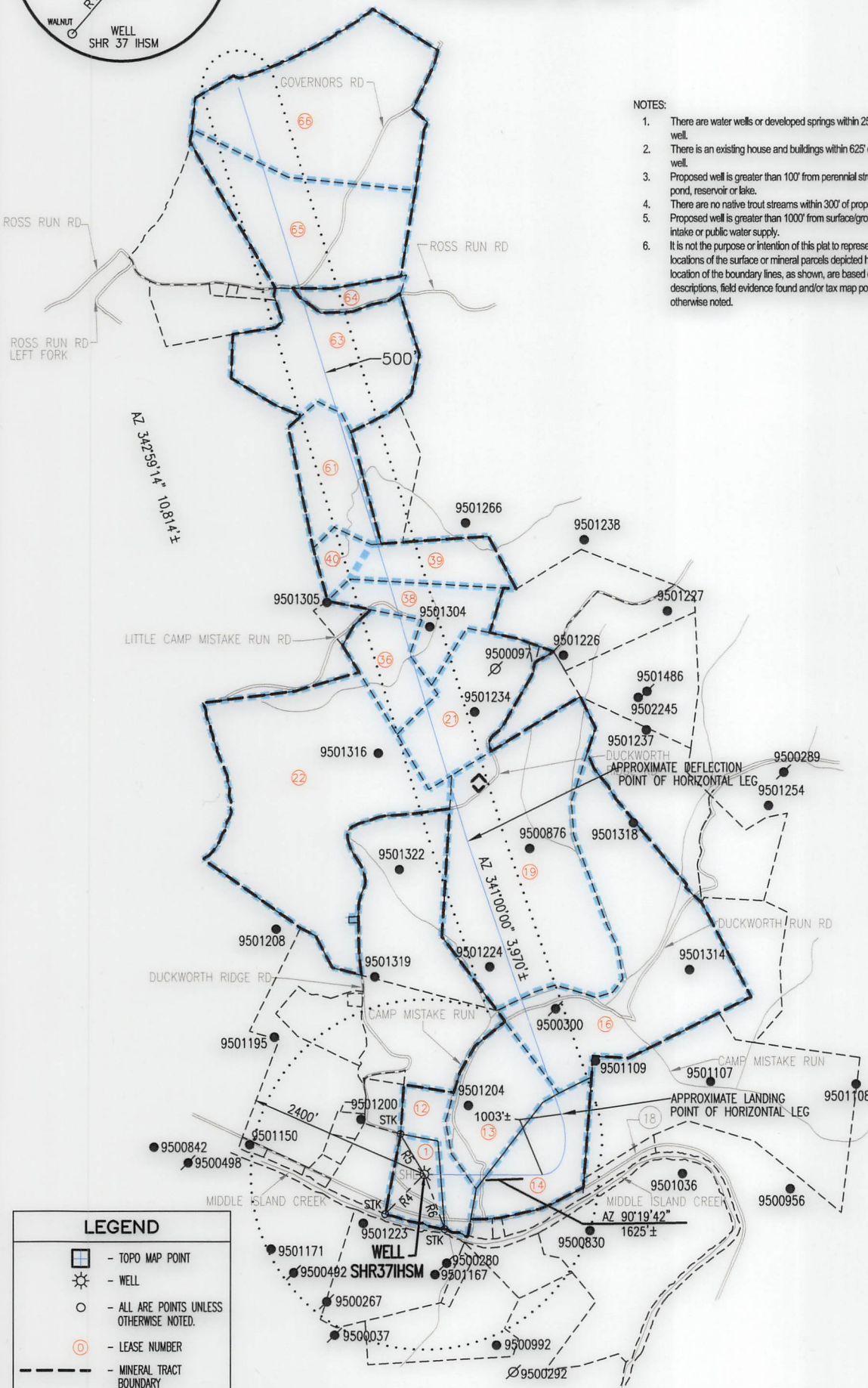
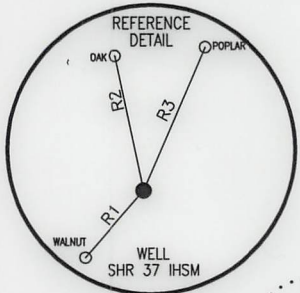
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,302'± TMD: 22,205'±

WELL OPERATOR CNX GAS COMPANY LLC DESIGNATED AGENT ANTHONY KENDZIORA
 Address 1000 CONSOL ENERGY DRIVE Address 1000 CONSOL ENERGY DRIVE
 City CANONSBURG State PA Zip Code 15317 City CANONSBURG State PA Zip Code 15317

SHR 37 IHSM

PAGE 2 OF 3



- NOTES:
1. There are water wells or developed springs within 250' of proposed well.
 2. There is an existing house and 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, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

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 E:1585464.642
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 LAT:39°23'38.887"
 LON:80°51'19.467"

LINE	BEARING	DISTANCE
R1	S 40°46'04" W	154.65'
R2	N 12°06'23" W	239.03'
R3	N 23°15'18" E	270.51'
R4	S 45°10'33" W	767.27'
R5	N 30°42'17" W	650.82'
R6	N 20°21'35" W	798.89'

LEGEND

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- LEASE NUMBER
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- LEASE BOUNDARY
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE

GAS WELLS

- EXISTING WELLS
- PLUGGED WELLS
- ABANDON WELLS

API WELL #: 47 95 02664 MOD
 STATE COUNTY PERMIT



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JANUARY 16, 2020

George D. Six

SHR 37 IHSM

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	SURFACE OWNER	LESSOR	DIST-TM/PAR
1	CNX GAS COMPANY	ELEANOR V. EARNHEART AND DEAN A. EARNHEART, W/H CLELLA BOICE, WIDOW LUELLA I. MCCONNELL, WIDOW AGNESS GODWIN, WIDOW NANCY P. MCCLAIN AND RALPH E. MCCLAIN, W/H GEORGIA P. SNYDER, DIVORCED BRADIE PIPES AND GOLDIE PIPES, H/W PURSIE PIPES AND NORMA J. PIPES, H/W DOROTHY BELLE WELLS AND BYRON WELLS, W/H MYRNA MORGAN AND DAVID MORGAN, W/H	1-17/5
12	GAIL WILLIAMSON	ELEANOR V. EARNHEART AND DEAN A. EARNHEART, W/H CLELLA BOICE, WIDOW LUELLA I. MCCONNELL, WIDOW AGNES GODWIN, WIDOW NANCY P. MCCLAIN AND RALPH E. MCCLAIN, W/H GEORGIA P. SNYDER, DIVORCED BRADIE PIPES AND GOLDIE PIPES, H/W PURSIE PIPES AND NORMA J. PIPES, H/W DOROTHY BELLE WELLS AND BYRON WELLS, W/H MYRNA MORGAN AND DAVID MORGAN, W/H REVA ROWLAND AND RONALD ROYCE ROWLAND	P/O 1-17/6
13	DANNY CARL & PATRICIA J. HARRIS	ELEANOR V. EARNHEART AND DEAN A. EARNHEART, W/H CLELLA BOICE, WIDOW LUELLA I. MCCONNELL, WIDOW AGNES GODWIN, WIDOW NANCY P. MCCLAIN AND RALPH E. MCCLAIN, W/H GEORGIA P. SNYDER, DIVORCED BRADIE PIPES AND GOLDIE PIPES, H/W PURSIE PIPES AND NORMA J. PIPES, H/W DOROTHY BELLE WELLS AND BYRON WELLS, W/H MYRNA MORGAN AND DAVID MORGAN, W/H	1-18/5
14	DANNY & PATRICIA J. HARRIS	ELEANOR V. EARNHEART AND DEAN A. EARNHEART, W/H CLELLA BOICE, WIDOW LUELLA I. MCCONNELL, WIDOW AGNES GODWIN, WIDOW NANCY P. MCCLAIN AND RALPH E. MCCLAIN, W/H GEORGIA P. SNYDER, DIVORCED BRADIE PIPES AND GOLDIE PIPES, H/W PURSIE PIPES AND NORMA J. PIPES, H/W DOROTHY BELLE WELLS AND BYRON WELLS, W/H MYRNA MORGAN AND DAVID MORGAN, W/H	1-18/6.1
16	D. RALPH THACKER & CARLISE J. MAURICE JR.	CHARLES W. HENDERSON AND DOROTHY M. HENDERSON, H/W CHARLES W. HENDERSON, POWER OF ATTORNEY FOR THE A. I. DOAK HEIRS JOHN A. CONKLIN AND JEAN CONKLIN, H/W GEORGE B. CONKLIN AND BETTY M. CONKLIN, H/W BETTY L. CONKLIN ROBERT LEE REED LEWIS H. REED AND CAROL J. REED, H/W KATHY PRANGER VIRGINIA O'REAR AND RALPH O'REAR, W/H ROBERT H. MELVIN BETTY L. MELVIN MARY S. LARTZ AND WILLIAM LARTZ, W/H LILLIAN CRABILL AND WILLIAM CRABILL, W/H MELISSA COLL ROBERT BARTHLOMEW AND BARBARA BARTHLOMEW, H/W PHILLIP L. MELVIN JOANNE GREENMAN AND GERALD GREENMAN, H/W	P/O 1-16/26
19	RONALD R. & REVA D. ROWLAND	JACOB L. DILLON AND EDNA DILLON, H/W	1-16/20
21	JAMES E. ASH	GAIL V. DAVISSON ROSEMARY EAGLE ELEANOR L. ROTH, ATTORNEY-IN-FACT FOR THE J. D. AND RUTH FOLEY HEIRS	P/O 1-16/19.1
22	JAMES ROBERT BAGLEY	JACOB C. COTTRILL, ATTORNEY-IN-FACT FOR CHARLES D. COTTRILL HEIRS; JACOB C. COTTRILL AND SHIRLEY A. COTTRILL, H/W	1-15/15
36	SANDRA SUE CLARK & CLARENCE DUANE & JEFFREY GREGG CLARK & KEVIN SCOTT	MILDRED GREGG	P/O 1-15/11
38	DUANE CLARK, ET AL C/O DUANE & SUE CLARK	CLARENCE DUANE CLARK AND SANDRA SUE CLARK, H/W JEFFREY G. CLARK, SINGLE KEVIN S. CLARK, SINGLE JOHN BAKER, INDIVIDUALLY AND AS ATTORNEY-IN-FACT FOR THE "GORRELL DOAK HEIRS"	1-15/6
39	DUANE CLARK, ET AL C/O DUANE & SUE CLARK	ORA NELSON MOORE AND MARY EDNA MOORE, H/W OLETHA MOORE, WIDOW ROSEMARY EAGLE BRC APPALACHIAN MINERALS I, LLC	P/O 1-15/6.1
40			
61	DAVID & MARY ANN PRESTON (LIFE ESTATE)	JAMES R. ASH AND FRANCIS M. ASH, H/W	P/O 1-15/4
63	RYAN J. & SUSAN J. LIND	ORA NELSON MOORE AND MARY EDNA MOORE, H/W, AND OLETHA MOORE, WIDOW ROSEMARY EAGLE	1-12/23 & 1-12/23.1
64	GENEVA (DENNISON) BULLMAN LIFE	ORA NELSON MOORE AND MARY EDNA MOORE, H/W, AND OLETHA MOORE, WIDOW	1-12/10.1
65	GENEVA (DENNISON) FOUTS LIFE	BILLY KENNETH FOUTS AND MARIANNE B. FOUTS, H/W ERWIN LAWRENCE FOUTS SHEILA KAY FORRESTER AND ROBERT FORRESTER, W/H	1-12/10
66	JEFFREY J. & KAY A. HEIKENFELD	ROBERT H. TENNANT, SINGLE AND OPAL V. TENNANT, WIDOW	1-12/11 & 1-12/11.1
	JAMES F. & PATRICIA A. WOOD		

API WELL #: 47 95 02664 *MOD*
STATE COUNTY PERMIT



JANUARY 16, 2020