

AS DRILLED PLAT

BHL is located on topo map 5,445 feet south of Latitude: 39° 55' 00"
 SHL is located on topo map 1,148 feet south of Latitude: 39° 52' 30"

PERMITTED
 BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83(M)
 N:4416879.49
 E:521586.26
 NAD83, WV NORTH
 N:512982.218
 E:1618530.763
 LAT/LON-NAD83
 LAT:39°54'06.19"
 LON:80°44'06.19"

AS DRILLED
 BOTTOM HOLE LOCATION (SHL)
 UTM 17-NAD83(M)
 N:4416880.96
 E:521588.62
 NAD83, WV NORTH
 N:512986.93
 E:1618533.60
 LAT/LON-NAD83
 LAT:39°54'06.23"
 LON:80°44'50.81"

- NOTES:
1. There are no water wells or developed springs within 250' of proposed well.
 2. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
 3. There are no native trout streams within 300' of proposed well.
 4. Proposed well is greater than 1000' from surface groundwater intake or public water supply.
 5. 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.
 6. There are no existing buildings within 625' of proposed well.

WELL PAD ORIENTATION DETAIL

M01H	M14H	M15H	U28H	U29H
M02H	M13H	M16H	U27H	U30H
M03H	M12H	M17H	U26H	U31H
M04H	M11H	U18H	U25H	U32H
M05H	M10H	U19H	U24H	U33H
M06H	M09H	U20H	U23H	U34H
M07H	M08H	U21H	U22H	U35H

N.T.S.

PERMITTED
 APPROX. LANDING POINT
 UTM 17-NAD83(M)
 N:4413948.51
 E:523978.21
 NAD83, WV NORTH
 N:503233.008
 E:1626219.198
 LAT/LON-NAD83
 LAT:39°52'30.89"
 LON:80°43'10.57"

AS DRILLED
 APPROX. LANDING POINT
 UTM 17-NAD83(M)
 N:4414011.36
 E:523927.30
 NAD83, WV NORTH
 N:503442.04
 E:1626055.60
 LAT/LON-NAD83
 LAT:39°52'32.93"
 LON:80°43'12.70"

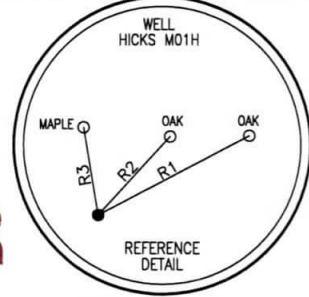
AS DRILLED
 SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83(M)
 N:4413571.76
 E:524091.00
 NAD83, WV NORTH
 N:503990.52
 E:1626568.66
 LAT/LON-NAD83
 LAT:39°52'18.65"
 LON:80°43'05.87"

PERMITTED
 SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83(M)
 N:4413571.769
 E:524090.986
 NAD83, WV NORTH
 N:501990.544
 E:1626568.620
 LAT/LON-NAD83
 LAT:39°52'18.654"
 LON:80°43'05.869"

LEGEND

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- AS-DRILLED LATERAL
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE
- LESSORS
- SURFACE OWNERS
- LOCATE & AVOID
- GAS WELLS
- EXISTING WELLS
- PLUGGED WELLS

LINE	BEARING	DISTANCE
R1	N 62°19'35" E	168.01'
R2	N 42°35'04" E	104.62'
R3	N 09°22'32" W	87.20'
R4	N 07°54'19" E	835.23'
R5	N 47°27'55" E	1571.47'
R6	S 00°04'02" W	1157.73'



THRASHER
 CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES
 600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 28330
 PHONE (304) 624-4108 FAX (304) 624-7831

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

FILE #: HICKS M01H-AS DRILLED
 DRAWING #: HICKS M01H-AS DRILLED
 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

GEORGE D. SIX
 LICENSED
 No. 2000
 STATE OF WEST VIRGINIA
 PROFESSIONAL SURVEYOR
 PLACE SEAL HERE

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



DATE: JANUARY 31, 2020
 OPERATOR'S WELL #: HICKS M01H-AS DRILLED
 API WELL #: 47 51 01897
 STATE COUNTY PERMIT

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

WATERSHED: MIDDLE GRAVE CREEK-GRAVE CREEK ELEVATION: 1177.18'

COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: GLEN EASTON, WV 7.5'

SURFACE OWNER: THOMAS E. HICKS ACREAGE: 172.100±

OIL & GAS ROYALTY OWNER: CHRISTA DAWN HICKS, ET AL. ACREAGE: 846.808±

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION

PERFORATE NEW FORMATION PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE

(SPECIFY): AS DRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,600'± TMD: 19,619.85'±

WELL OPERATOR CHEVRON APPALACHIA, LLC DESIGNATED AGENT KENNETH E. TAWNEY
 Address 800 MOUNTAIN VIEW DRIVE Address 500 LEE STREET, EAST SUITE 1600
 City SMITHFIELD State PA Zip Code 15478 City CHARLESTON State WV Zip Code 25301-3202

BHL is located on topo map 10,981 feet west of Longitude: 80° 42' 30"
 SHL is located on topo map 2,796 feet west of Longitude: 80° 42' 30"

HICKS

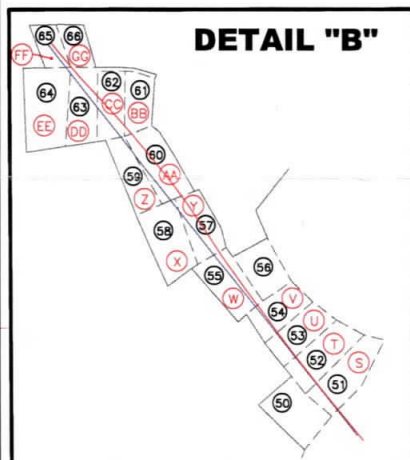
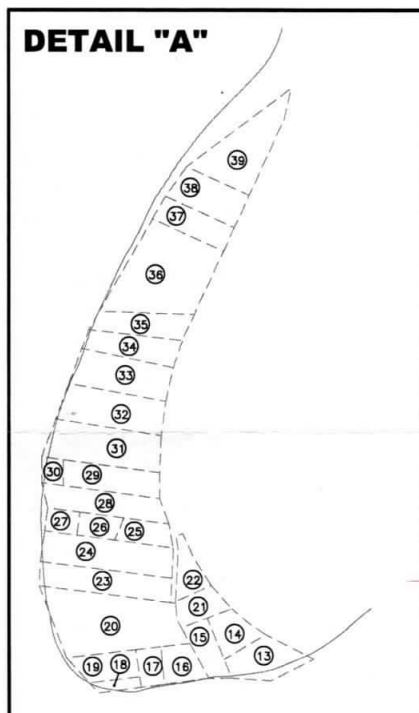
M01H

AS DRILLED PLAT

PAGE 2 OF 2

	LESSOR	DIST-TM/PAR
A	CHRISTA DAWN HICKS, ET AL.	4-8/37
B	CHESAPEAKE APPALACHIA, LLC.	4-8/35
C	LESLIE SCHABER, ET AL.	4-8/34
D	CNX GAS COMPANY LLC	4-4/30
E	LESTER ALLEN RICHMOND, ET AL.	4-4/29
F	CNX GAS COMPANY LLC	4-4/74
G	JANET RICHMOND, ET VIR.	4-4/72
H	MARSHALL COUNTY AIRPORT AUTHORITY	4-4/2
J	VERNON L. HYDE	4-4/70
K	JOHN L. FOX	4-5/54.5
	KAREN M. FOX	
	CHRISTI F. PRESTON	
	JOHN L. FOX, II	
	CYNTHIA S. HAMILTON	
	DOROTHY A. ARGENTA	
	MARY E. PERSINGER	
	KAREN FOX EVANS	
	BRAD FOX	
	LINDA SMITH	
	ANN MACHELE MILLER	
	JANET C. HUNNELL	
	MICHAEL PERSINGER	
	BETH BLAKE	
	WILLIAM P. ARGENTA	
	PAUL T. ARGENTA	
	JOAN E. KRESS	
L	JOHN D. LIGHTNER, JR., ET UX.	4-4/1.2
M	THOMAS P. WOOD, ET UX.	4-5/45
N	PATRICIA A. BUNGARD	4-4/1.5
P	PATRICIA A. BUNGARD	4-4/1.6
Q	DOUGLAS J. HUDSON, ET UX.	4-4/1.4
R	CHAPLIN REAL ESTATE CO.	4-2/49
S	RICHARD P. CARTER	4-2B/87
T	RICHARD P. CARTER	4-2B/86
U	RICHARD P. CARTER	4-2B/85
V	ROSEMARY MORRIS	4-2B/84
W	PETE S. ZUKOFF, ET UX.	4-2B/49
X	ROGER R. KING, ET UX.	4-2B/52
Y	ROGER R. KING, ET UX.	4-2B/53
Z	SIDNEY L. RAPER	4-2B/59
AA	CHAPLIN REAL ESTATE COMPANY	4-2B/60
BB	CHAPLIN REAL ESTATE COMPANY	4-2B/63
CC	GEORGE F. LANDERS, ET UX.	4-2B/64
DD	GEORGE F. LANDERS, ET UX.	4-2B/65
EE	GEORGE F. LANDERS, ET UX.	4-2B/66
FF	CHAPLIN REAL ESTATE CO.	4-2B/70
GG	*CHAPLIN REAL ESTATE COMPANY	4-2B/71

	SURFACE OWNER	DIST-TM/PAR
1	THOMAS E. HICKS	4-8/37
2	RONALD ELWOOD STERN ET UX	4-8/35
3	CONSOLIDATION COAL COMPANY/MURRAY ENERGY C/O LAND DEPT	4-8/39
4	CHEVRON USA INC	4-8/34
5	MOUNTAINEER ENTERPRISES LLC	4-4/30
6	LESTER ALLEN & JANET E. RICHMOND	4-4/29
7	CONSOLIDATION COAL COMPANY/MURRAY ENERGY C/O LAND DEPT	4-4/74
8	JANET ELOWISE RICHMOND - LIFE	4-4/72
9	VERNON L. HYDE	4-4/71
10	WILLARD L. ATWELL ET UX	4-4/73
11	MARSHALL CO AIRPORT AUTHORITY	4-4/2
12	VERNON L. HYDE	4-4/70
13	DANIEL L. & REBECCA L. WILLIAMS	4-4/70.1
14	CARL E., JR. & DARLENE LUCAS	4-4/4.5
15	AMANDA ROBERTS - LIFE	4-4/4.4
16	THOMAS E., JR. & CRYSTAL M. ROGERSON	4-4/4.10
17	THOMAS E. ROGERSON JR.	4-4/4.12
18	ROBERT HAYWOOD MCCARTNEY ET UX	4-4/4.9
19	THOMAS E. ROGERSON JR.	4-4/4.3
20	JOSEPH CHARLES RUDISH	4-4/4
21	DANIEL R. TURKLEY	4-4/4.6
22	JON D. WAYT ET UX	4-4/4.7
23	CHARLES JOSEPH DARMAFALL	4-4/4.2
24	RAYMOND V. CLAYTON	4-4/4.1
25	NANCY L. PARKS	4-4/6.1
26	JOHN T. PARKS EST	4-4/6
27	JOHN T. PARKS EST	4-4/5
28	LYLE R. MCMASTERS	4-4/7
29	GLEN MICHAEL SCHMID ET UX	4-4/8
30	GLEN MICHAEL SCHMID ET UX	4-4/9
31	ROBERT LEE HALL	4-4/10
32	JOS W. GOULDSBERRY JR. ET UX	4-4/11
33	JOS W. GOULDSBERRY JR. ET UX	4-4/12
34	SHERRI J. & GEORGE C. ANDERSON	4-4/13
35	GEORGE C. & SHERRI J. ANDERSON	4-4/14
36	WILLIAM J. & CAROL M. FRITZMAN	4-4/15
37	ROBERT L. & PATSY CLARK	4-4/16
38	ROBERT L. CLARK	4-4/17.1
39	GEORGE R. FINNEGAN	4-4/17
40	PAUL WAYNE LIGHTNER	4-4/1.1
41	JOHN D. & CATHY L. LIGHTNER	4-4/1.7
42	LENEE J. CURITTI ET UX	4-5/54.5
43	JOHN D., JR. & CATHY L. LIGHTNER	4-4/1.2
44	THOMAS P. & TAMARA R. WOOD	4-5/45
45	THOMAS P. & TAMARA R. WOOD	4-5/45.6
46	JOHN D. & CATHY L. LIGHTNER	4-4/1.5
47	PAUL W. & AMANDA LIGHTNER	4-4/1.6
48	PAUL W. & AMANDA LIGHTNER	4-4/1.4
49	CHAPLIN REAL ESTATE CO.	4-2/49
50	CHAPLIN REAL ESTATE CO.	4-2B/106
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57	LINDA J. KING	4-2B/52
58	LINDA J. KING	4-2B/53
59	CODY T. & ANGELA D. ZUK	4-2B/59
60	JOHN & CYNTHIA MCCUTCHEON	4-2B/60
61	*NICHOLAS ADAM & MELISSA JO CHAPLIN	4-2B/63
62	GEORGE & BARBARA LANDERS	4-2B/64
63	GEORGE & BARBARA LANDERS	4-2B/65
64	GEORGE & BARBARA LANDERS	4-2B/66
65	KEVIN M. & DEBORAH L. JARRETT	4-2B/70
66	*CHAPLIN REAL ESTATE CO.	4-2B/71



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800 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
PHONE (304) 624-4108 FAX (304) 624-7851

* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

JANUARY 31, 2020