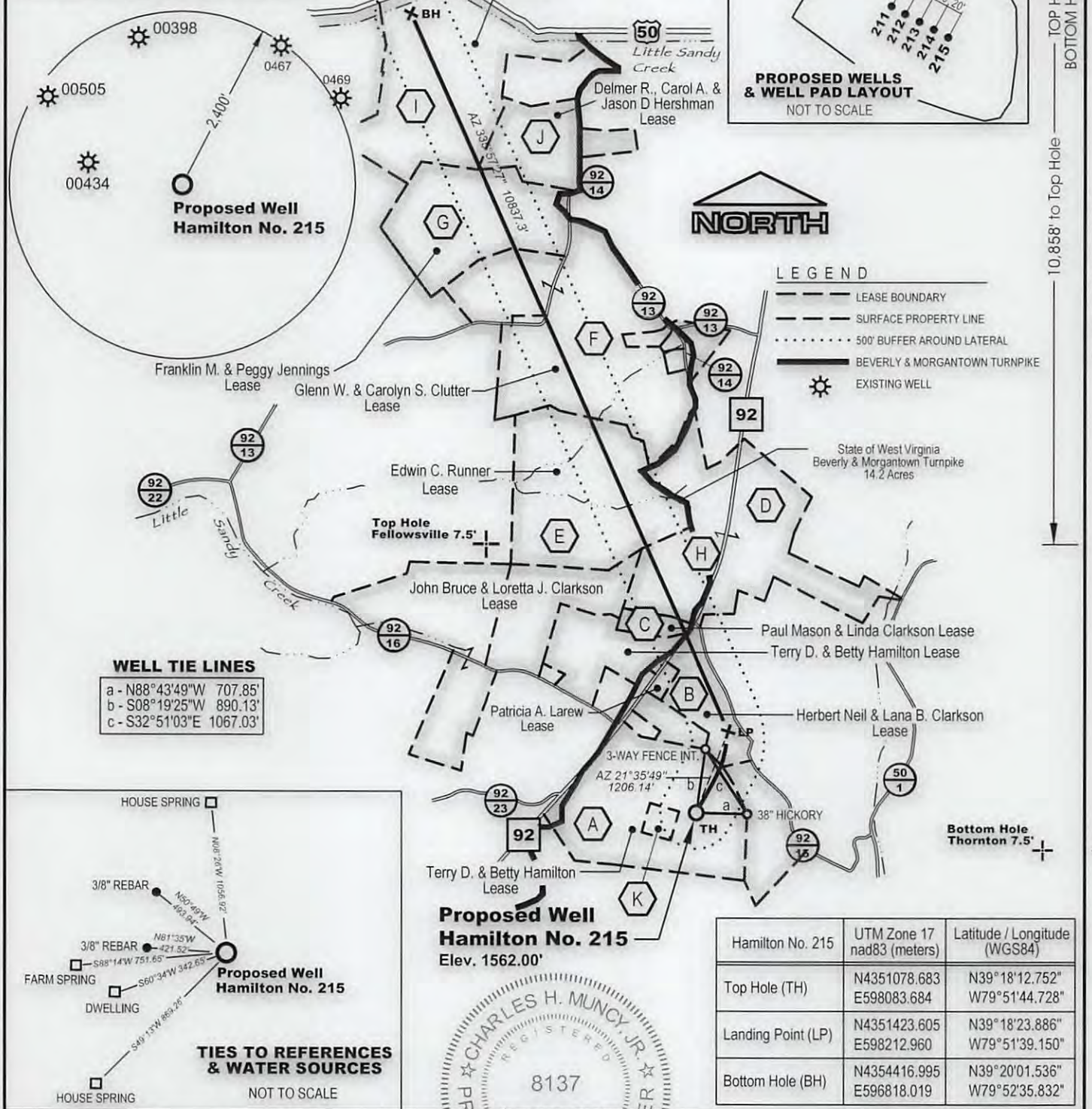
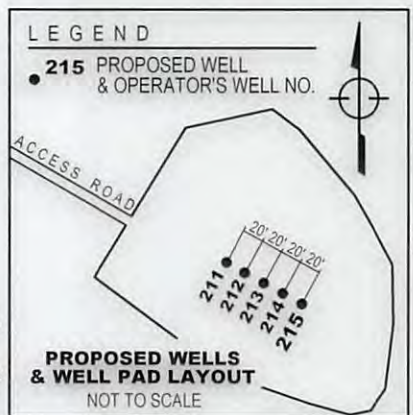


580' to Bottom Hole

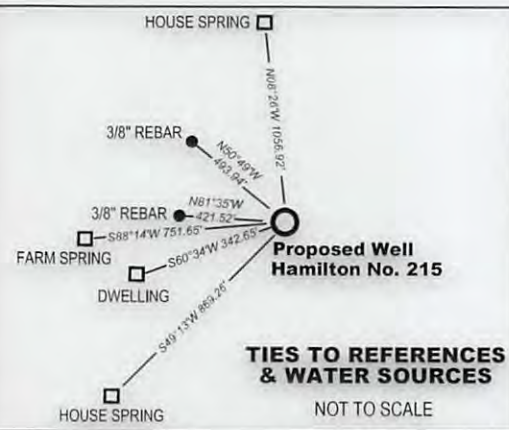
8,316' to Top Hole
 BOTTOM HOLE LATITUDE 39°22'30"
 TOP HOLE LATITUDE 39°20'00"

Hexagon	Tax Map / Parcel	Surface Owner
A	23 / 1	T. & B. HAMILTON
B	16 / 37.5	H. & L. CLARKSON
C	16 / 37.4	P. & L. CLARKSON
D	16 / 21	EDWIN C. RUNNER
E	15 / 14	EDWIN C. RUNNER
F	15 / 8	G. & C. CLUTTER
G	15 / 4	F. & P. JENNINGS
H	NO TM / P	STATE OF WEST VIRGINIA
I	9/16	HERSHMAN FAMILY TRUST
J	9/35	J. HERSHMAN
K	23 / 1.1	D. HAMILTON

NOTE: No railroads are crossed by the proposed Hamilton 215 lateral.



WELL TIE LINES
 a - N88°43'49"W 707.85'
 b - S08°19'25"W 890.13'
 c - S32°51'03"E 1067.03'



Hamilton No. 215	UTM Zone 17 nad83 (meters)	Latitude / Longitude (WGS84)
Top Hole (TH)	N4351078.683 E598083.684	N39°18'12.752" W79°51'44.728"
Landing Point (LP)	N4351423.605 E598212.960	N39°18'23.886" W79°51'39.150"
Bottom Hole (BH)	N4354416.995 E596818.019	N39°20'01.536" W79°52'35.832"

Proposed Well Hamilton No. 215
 Elev. 1562.00'



MSES consultants, inc.
 P. O. Drawer 190, Clarksburg, WV 26302-0190
 Rev. 8/11/17
 FILE NO. 13-284-Hamilton#215 Arsenal Well Plat
 SCALE 1" = 2000' DRAWN BY RLR
 MIN. DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION: GPS (SURVEY GRADE)

I, the undersigned, hereby certify that this plat is correct, to the best of my knowledge and belief, and that it shows all information required by law and the rules issued and prescribed by the department of environmental protection.
 (SIGNED) *[Signature]*
 R.P.E. 8137 P.S.

WVDEP
 OFFICE OF OIL & GAS
 601 57th STREET
 CHARLESTON, WV 25304
 DATE APRIL 4 20 17
 OPERATOR'S WELL NO. HAMILTON NO. 215
47 077 00629
 STATE COUNTY PERMIT NO.
 API WELL NO. **H4A**



WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION ORIG. 1562' - AS-BUILT 1563' WATERSHED LITTLE SANDY CREEK
 DISTRICT RENO COUNTY PRESTON
 SURFACE OWNER TERRY D. & BETTY HAMILTON
 OIL & GAS ROYALTY OWNER T.&B. Hamilton, H.N.&L.B. Clarkson, P.Mason&L. Clarkson, C. Larew
 H. Runner Hrs c/o E. Runner, G.W.&C.S. Clutter, F.M.&P.Jennings, D.R. & C.A. Hershman
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION CLEAN OUT AND REPLUG
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ PLUG AND ABANDON
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH TVD 7,795' MD 19,152.1'
 WELL OPERATOR ARSENAL RESOURCES DESIGNATED AGENT WILLIAM VEIGEL
 ADDRESS 6031 WALLACE ROAD EXTENSION #300 ADDRESS 65 PROFESSIONAL PLACE, SUITE 200
WEXFORD, PA 15090 BRIDGEPORT, WV 26330

QUADRANGLE FELLOWSVILLE, W V 7.5'
 NEAREST TOWN THORNTON, W V 7.5'
 ACREAGE 95.06
 LEASE ACREAGE 99.06
 COUNTY **077**
 PERMIT NO. **08/18/2017**

FORM WW-6

77-00629



BEARINGS & DISTANCE CHART
Hamilton No. 211

HOUSE SPRING	N04°51'W	1007.18'
FARM SPRING	S84°33'W	684.53'
HOUSE SPRING	S47°59'W	847.28'

BEARINGS & DISTANCE CHART
Hamilton No. 212

HOUSE SPRING	N05°48'W	1018.25'
FARM SPRING	S85°27'W	701.25'
HOUSE SPRING	S45°16'W	852.91'

BEARINGS & DISTANCE CHART
Hamilton No. 213

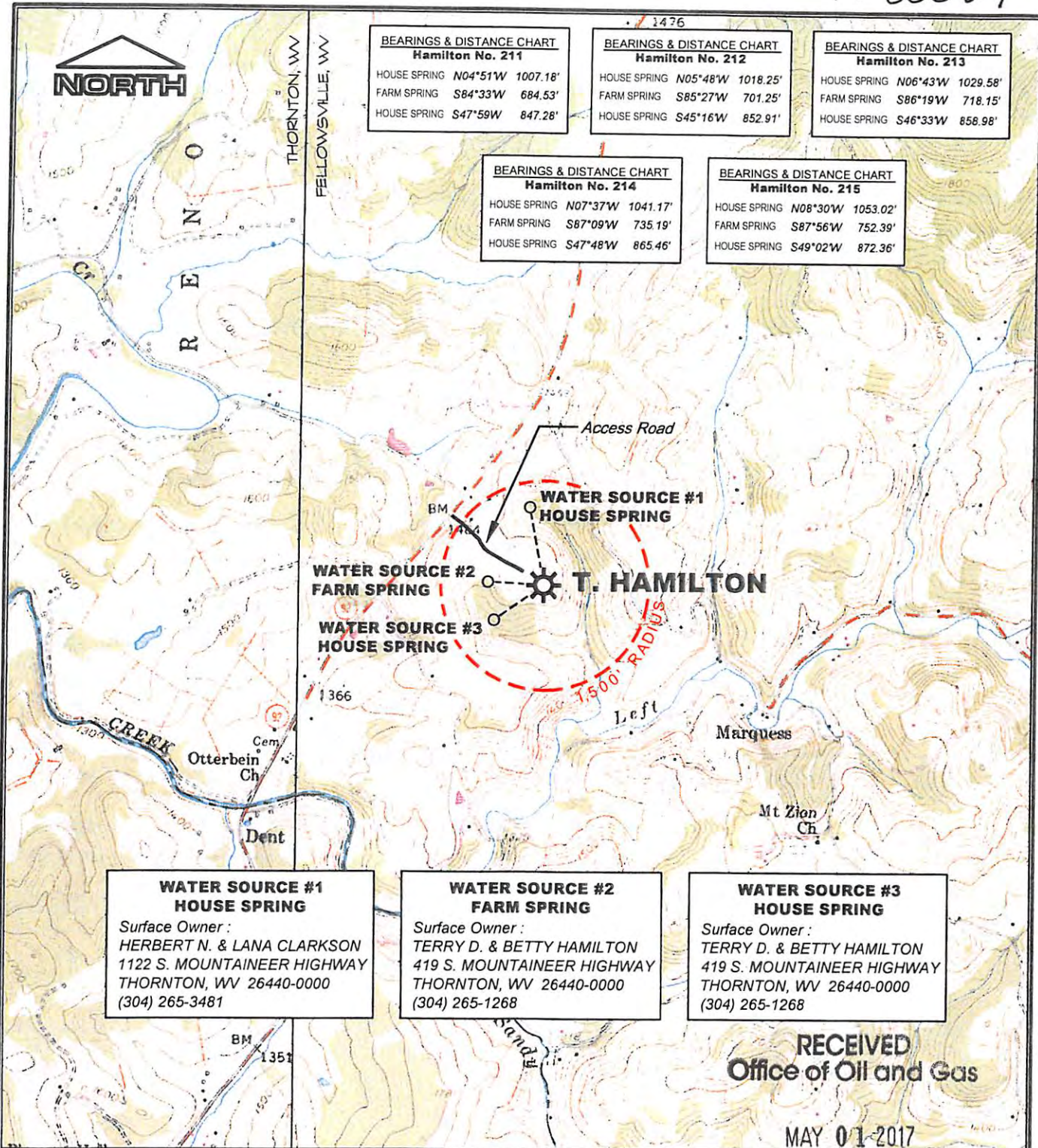
HOUSE SPRING	N06°43'W	1029.58'
FARM SPRING	S86°19'W	718.15'
HOUSE SPRING	S46°33'W	858.98'

BEARINGS & DISTANCE CHART
Hamilton No. 214

HOUSE SPRING	N07°37'W	1041.17'
FARM SPRING	S87°09'W	735.19'
HOUSE SPRING	S47°48'W	865.46'

BEARINGS & DISTANCE CHART
Hamilton No. 215

HOUSE SPRING	N08°30'W	1053.02'
FARM SPRING	S87°56'W	752.39'
HOUSE SPRING	S49°02'W	872.36'



WATER SOURCE #1
HOUSE SPRING

Surface Owner :
HERBERT N. & LANA CLARKSON
1122 S. MOUNTAINEER HIGHWAY
THORNTON, WV 26440-0000
(304) 265-3481

WATER SOURCE #2
FARM SPRING

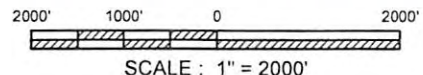
Surface Owner :
TERRY D. & BETTY HAMILTON
419 S. MOUNTAINEER HIGHWAY
THORNTON, WV 26440-0000
(304) 265-1268

WATER SOURCE #3
HOUSE SPRING

Surface Owner :
TERRY D. & BETTY HAMILTON
419 S. MOUNTAINEER HIGHWAY
THORNTON, WV 26440-0000
(304) 265-1268

RECEIVED
Office of Oil and Gas

MAY 01 2017



REFERENCE
U.S.G.S. 7.5' TOPOGRAPHIC QUADRANGLES :
FELLOWSVILLE, WV 1958 (P.R. 1976)
THORNTON, WV 1958 (P.R. 1976)

ARSENAL RESOURCES
WV Department of
Environmental Protection
PROPOSED T. HAMILTON WELL
SURROUNDING WATER SOURCES

Drawn by	RLR	2/14
Engineer	DDT	2/14
Checked by	RVS	2/14
	Rev. 4/25/17	Date

Scale: AS SHOWN

1 of 1

Prepared by
MSES consultants, inc.

08/18/2017