

SCALE: 1" = 2400'

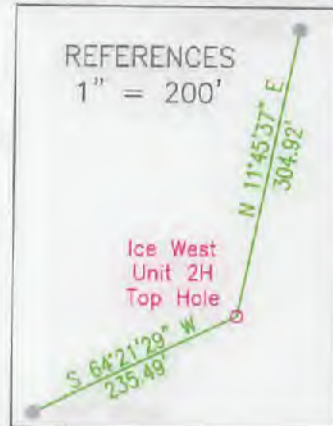
ICE WEST UNIT 2H

LATITUDE: 39°27'30" SCALE: 1" = 2000'
(USE FOR BOTH TOP AND BOTTOM HOLES)

NOTES ON SURVEY

1. NO DWELLINGS WITHIN 625' WERE FOUND.
2. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' WERE FOUND.
3. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD 83.
4. WELL ELEVATION ESTABLISHED BY RTK GPS NAVD 88.
5. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF HARRISON COUNTY IN MARCH 2019 AND FILES PROVIDED BY XTO ENERGY INC.
6. WELLS SHOWN ARE TAKEN FROM RECORDS OF WVDEP AND SURVEYED LOCATIONS OF WELLS WITHIN 500' OF WELL BORE.

REFERENCES
1" = 200'



NORTH



LINE LEGEND

LEASE BOUNDARY	---
SURFACE BOUNDARY	- - - -
CREEK / STREAM	~ ~ ~ ~
ROADS	— — — —
PROPOSED LATERAL	— — — —
APPROXIMATE CURVE	- - - -
500' LATERAL OFFSET	- - - -
EXISTING GAS WELL	+

State Plane Coordinate
West Virginia North

Top Hole Location	Landing Point Location	Bottom Hole Location
NAD 27 Feet	NAD 27 Feet	NAD 27 Feet
N: 340106.013	N: 338329.265	N: 341544.080
E: 1770356.295	E: 1769436.598	E: 1759181.321
UTM Zone 17 (SPCS83) Meters	UTM Zone 17 (SPCS83) Meters	UTM Zone 17 (SPCS83) Meters
N: 4364834.901	N: 4364288.919	N: 4365216.277
E: 559142.308	E: 558871.123	E: 555730.368
NAD 27	NAD 27	NAD 27
N 39.4309389	N 39.4260380	N 39.4346026
W 80.3130042	W 80.3162029	W 80.3526128



2402 PENNSYLVANIA 66 DELMONT, PA 15626
(724) 757 - 2417 www.jonesconsultant.com

SHEET 1 OF 2

FILE #: JC2016-101
DRAWING #: ICE WEST UNIT 2H 2018
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: RTK GPS

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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: [Signature]
R.P.E.: _____ P.S.: 2165



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



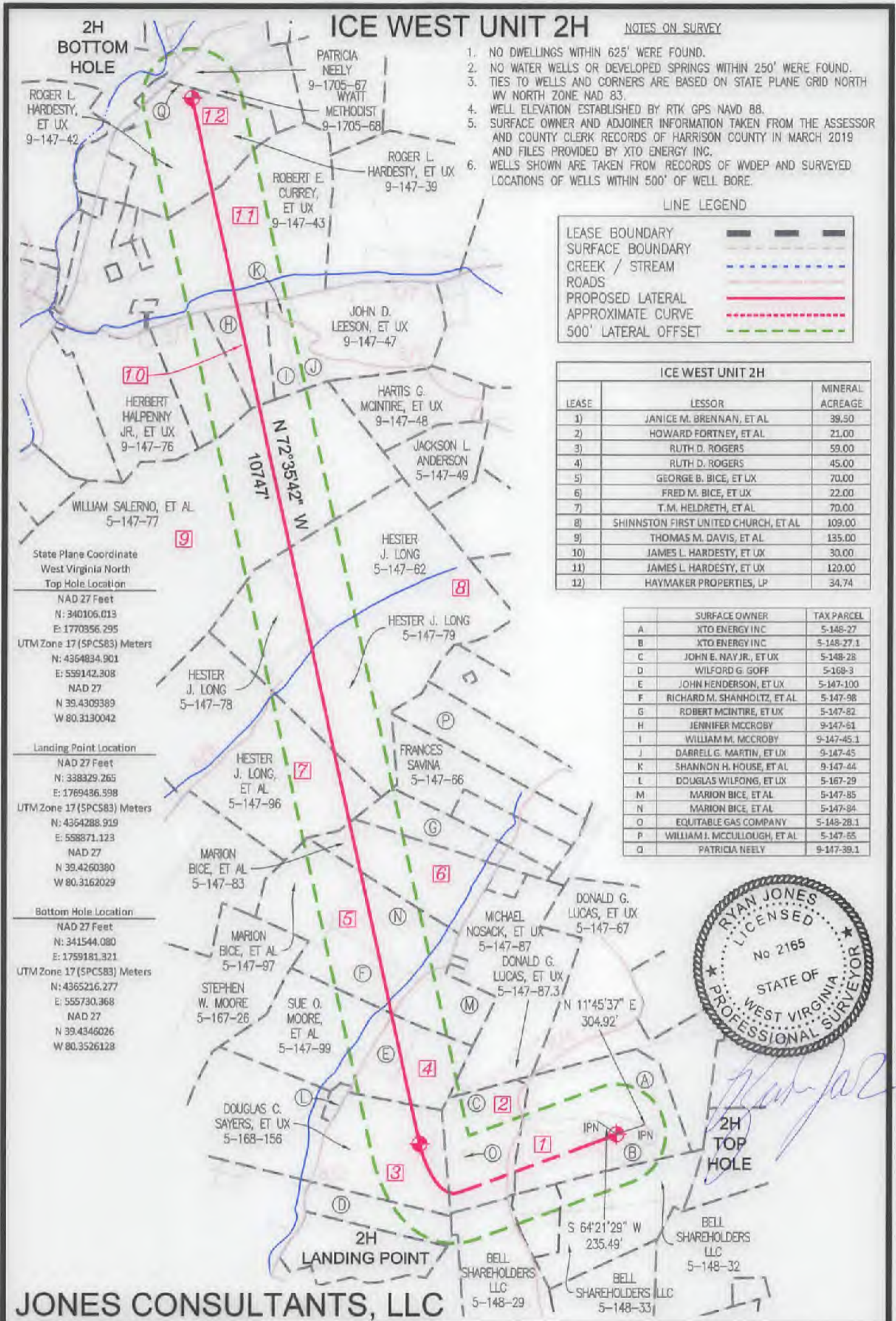
DATE: 7/22/2019
OPERATOR'S WELL #: ICE WEST UNIT 2H
API WELL #: 47 033 05965
STATE COUNTY PERMIT

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

WATERSHED: LOWER WEST FORK RIVER (0502000206) ELEVATION: 1,360' (EXISTING FINISH GRADE)
COUNTY/DISTRICT: HARRISON / CLAY QUADRANGLE: SHINNSTON 7.5'
SURFACE OWNER: XTO ENERGY INC ACREAGE: 7.23±
OIL & GAS ROYALTY OWNER: JANICE M. BRENNAN, ET AL ACREAGE: 755.2±

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: 7,534' (TVD), 19,062' (TMD)
WELL OPERATOR: XTO ENERGY INC. DESIGNATED AGENT: GARY BEALL
Address: 190 THORN HILL ROAD Address: P.O. BOX 1008
City: WARRENDALE State: PA Zip Code: 15086 City: JANE LEW State: WV Zip Code: 26378



ICE WEST UNIT 2H

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LINE LEGEND

LEASE BOUNDARY	---
SURFACE BOUNDARY	- - - -
CREEK / STREAM	~ ~ ~ ~
ROADS	— — — —
PROPOSED LATERAL	— — — —
APPROXIMATE CURVE	· · · · ·
500' LATERAL OFFSET	- · - · -

ICE WEST UNIT 2H		
LEASE	LESSOR	MINERAL ACREAGE
1)	JANICE M. BRENNAN, ET AL	39.50
2)	HOWARD FORTNEY, ET AL	21.00
3)	RUTH D. ROGERS	59.00
4)	RUTH D. ROGERS	45.00
5)	GEORGE B. BICE, ET UX	70.00
6)	FRED M. BICE, ET UX	22.00
7)	T.M. HELDRETH, ET AL	70.00
8)	SHINNSTON FIRST UNITED CHURCH, ET AL	109.00
9)	THOMAS M. DAVIS, ET AL	135.00
10)	JAMES L. HARDESTY, ET UX	30.00
11)	JAMES L. HARDESTY, ET UX	120.00
12)	HAYMAKER PROPERTIES, LP	34.74

	SURFACE OWNER	TAX PARCEL
A	XTO ENERGY INC	5-148-27
B	XTO ENERGY INC	5-148-27.1
C	JOHN E. NAV JR., ET UX	5-148-28
D	WILFORD G. GOFF	5-168-3
E	JOHN HENDERSON, ET UX	5-147-100
F	RICHARD M. SHANHOLTZ, ET AL	5-147-98
G	ROBERT MCINTIRE, ET UX	5-147-82
H	JENNIFER MCCROBY	9-147-61
I	WILLIAM M. MCCROBY	9-147-45.1
J	DARRELL G. MARTIN, ET UX	9-147-45
K	SHANNON H. HOUSE, ET AL	9-147-44
L	DOUGLAS WILFONG, ET UX	5-167-29
M	MARION BICE, ET AL	5-147-85
N	MARION BICE, ET AL	5-147-84
O	EQUITABLE GAS COMPANY	5-148-28.1
P	WILLIAM J. MCCULLOUGH, ET AL	5-147-55
Q	PATRICIA NEELY	9-147-38.1



State Plane Coordinate
West Virginia North
Top Hole Location
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JONES CONSULTANTS, LLC

SURVEYING • MAPPING • LAND • GAS WELL • PIPELINE
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XTO ENERGY
190 THORN HILL ROAD
WARRENDALE, PA 15086

0' 1200'



SUPPLEMENTAL SURFACE AND LESSOR EXHIBIT

ICE WEST UNIT 2H

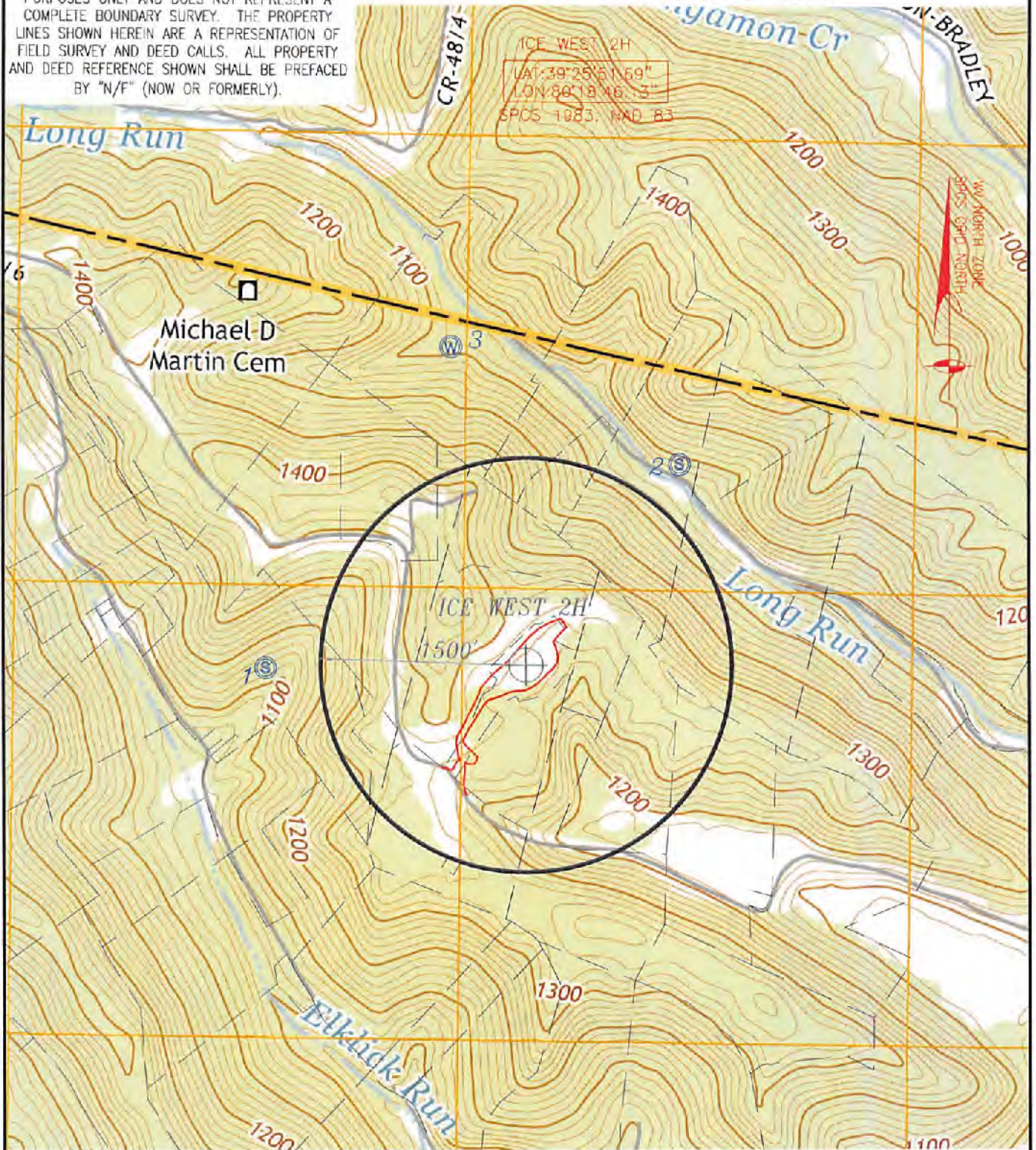
Drawn By: JRV	Date: 7/22/19	CLAY DISTRICT HARRISON COUNTY, WEST VIRGINIA
Scale: 1" = 1200'	Sheet:	File No.:
AFE # DD.2009.03671	SHEET 2 OF 2	JC2016-101

FORM W-9

NOTE: THIS PLAT IS FOR WELL LOCATION PURPOSES ONLY AND DOES NOT REPRESENT A COMPLETE BOUNDARY SURVEY. THE PROPERTY LINES SHOWN HEREIN ARE A REPRESENTATION OF FIELD SURVEY AND DEED CALLS. ALL PROPERTY AND DEED REFERENCE SHOWN SHALL BE PREFACED BY "N/F" (NOW OR FORMERLY).

LEGEND

- WATER WELL
- SPRING/POND/STREAM
- SURFACE BOUNDARY



POINT	NAME	ADDRESS	CITY	STATE	ZIP CODE	DISTANCE	BEARING	PARCEL I.D.
1	Michael & Cynthia Nosack	712 Bices Run Road	Shinnston	WV	26431	1900'	S 89°34'38" W	Tax Map 5-147, Parcel 87
2	Faris W. & Margaret J. Coffindafer	24 Glenview Drive	Bridgeport	WV	26330	1836'	N 37°33'50" E	Tax Map 5-148, Parcel 4
3	Tina M. Veltri	48 White Oak Drive	Bridgeport	WV	26330	2376'	N 13°19'24" W	Tax Map 11-58, Parcel 37

ICE WEST UNIT 2H WATER OVERALL

CLAY DISTRICT, HARRISON COUNTY, WEST VIRGINIA | 2/27/2019 | JC2016-101 | SHEET 1 OF 2



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DELMONT, PA 15626
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Shinnston Quad (2014)
Marion County, WV
Scale: 1" = 1000'



190 THORN HILL ROAD
WARRENDALE, PA 15086

RECEIVED
Office of Oil and Gas
JUL 08 2019
WV Department of Environmental Protection