


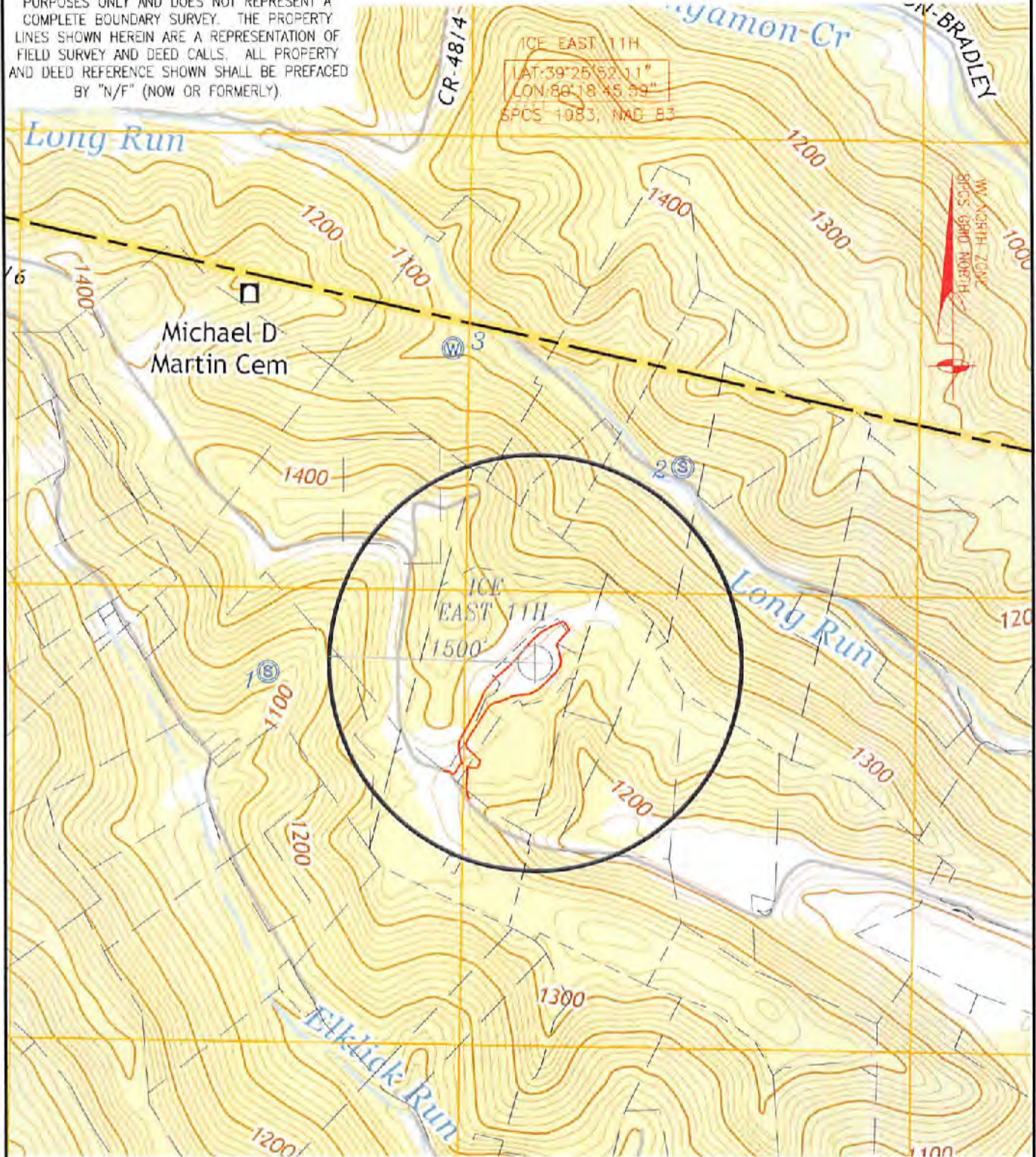


FORM W-9

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	1943'	S 88°20'21" W	Tax Map 5-147, Parcel 87
2	Faris W. & Margaret J. Coffindafer	24 Glenview Drive	Bridgeport	WV	26330	1777'	N 37°18'29" E	Tax Map 5-148, Parcel 4
3	Tina M. Veltri	48 White Oak Drive	Bridgeport	WV	26330	2346'	N 14°34'22" W	Tax Map 11-58, Parcel 37

ICE EAST UNIT 11H WATER OVERALL

CLAY DISTRICT, HARRISON COUNTY, WEST VIRGINIA | 2/27/2019 | JC2017-27 | SHEET 1 OF 2



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

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



RECEIVED
Office of Oil and Gas
190 THORN HILL ROAD JUL - 1 2019
WARRENDALE, PA 15086

WV Department of Environmental Protection

BOTTOM HOLE ← TOP HOLE ← 8428' 5931'

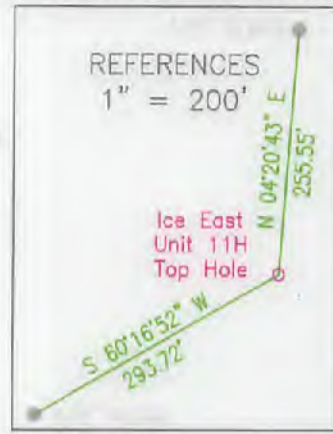
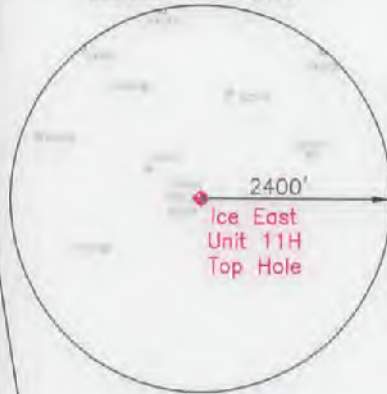
SCALE: 1" = 2400'

ICE EAST UNIT 11H

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.



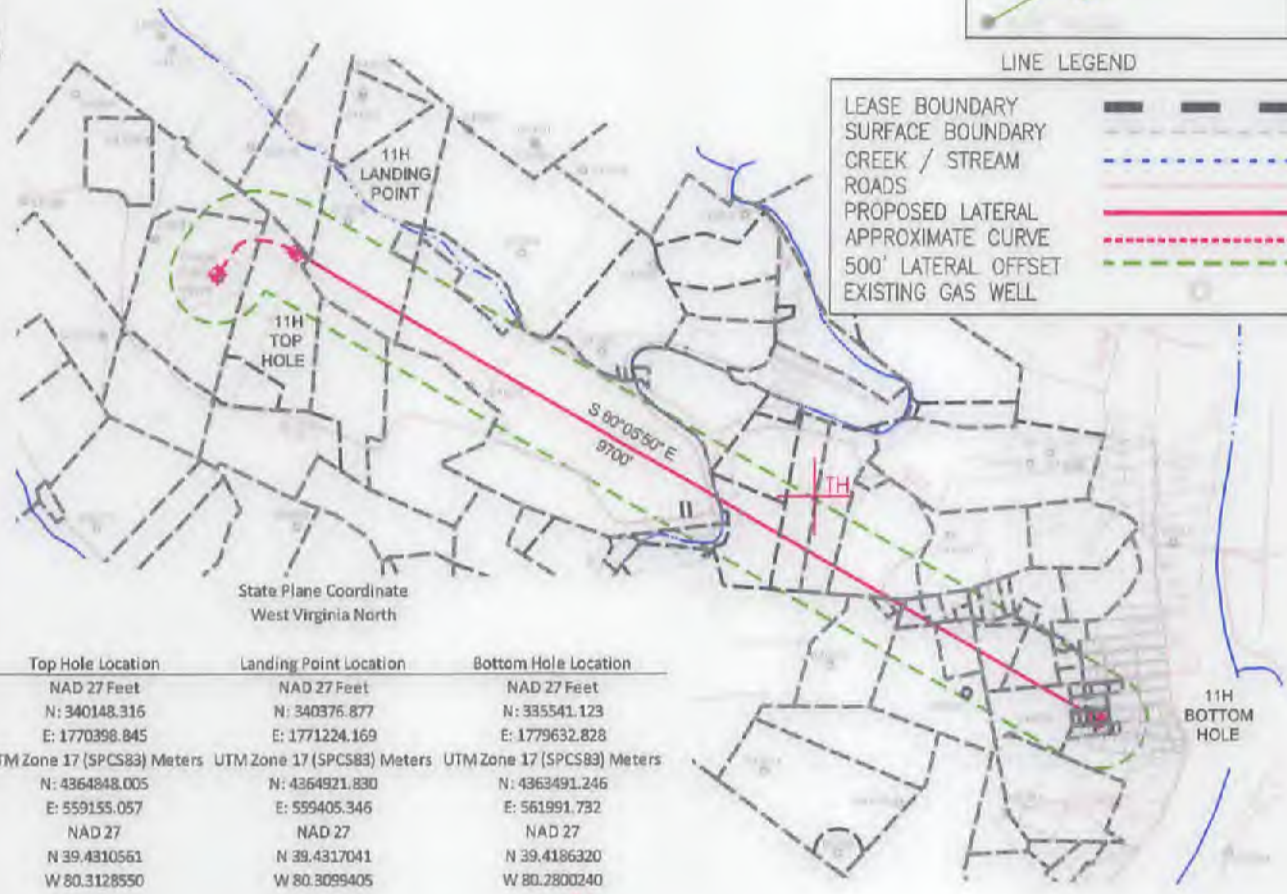
REFERENCES
1" = 200'

Ice East Unit 11H Top Hole

LINE LEGEND

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

NORTH



State Plane Coordinate
West Virginia North

9905'
 14430'
 2000' LONGITUDE: 80°17'30" (TOP HOLE)
 2000' LONGITUDE: 80°15'00" (BOTTOM HOLE)
 SCALE: 1" = 100'
 SCALE: 1" = 2000'

Top Hole Location	Landing Point Location	Bottom Hole Location
NAD 27 Feet	NAD 27 Feet	NAD 27 Feet
N: 340148.316	N: 340376.877	N: 335541.123
E: 1770398.845	E: 1771224.169	E: 1779632.828
UTM Zone 17 (SPCS83) Meters	UTM Zone 17 (SPCS83) Meters	UTM Zone 17 (SPCS83) Meters
N: 4364848.005	N: 4364921.830	N: 4363491.246
E: 559155.057	E: 559405.346	E: 561991.732
NAD 27	NAD 27	NAD 27
N 39.4810561	N 39.4817041	N 39.4186320
W 80.3128550	W 80.3099405	W 80.2800240



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

SHEET 1 OF 2

FILE #: JC2017-27
 DRAWING #: ICE EAST UNIT 11H 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 EAST UNIT 11H
 API WELL #: 47 033 05964
 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: 363.2±

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: 7,604' (TVD), 17,777' (TMD)
 WELL OPERATOR: XTO ENERGY INC. DESIGNATED AGENT: GARY BEALL
 Address: 190 THORN HILL ROAD Address: P.O. BOX 100B
 City: WARRENDALE State: PA Zip Code: 15086 City: JANE LEW State: WV Zip Code: 26378

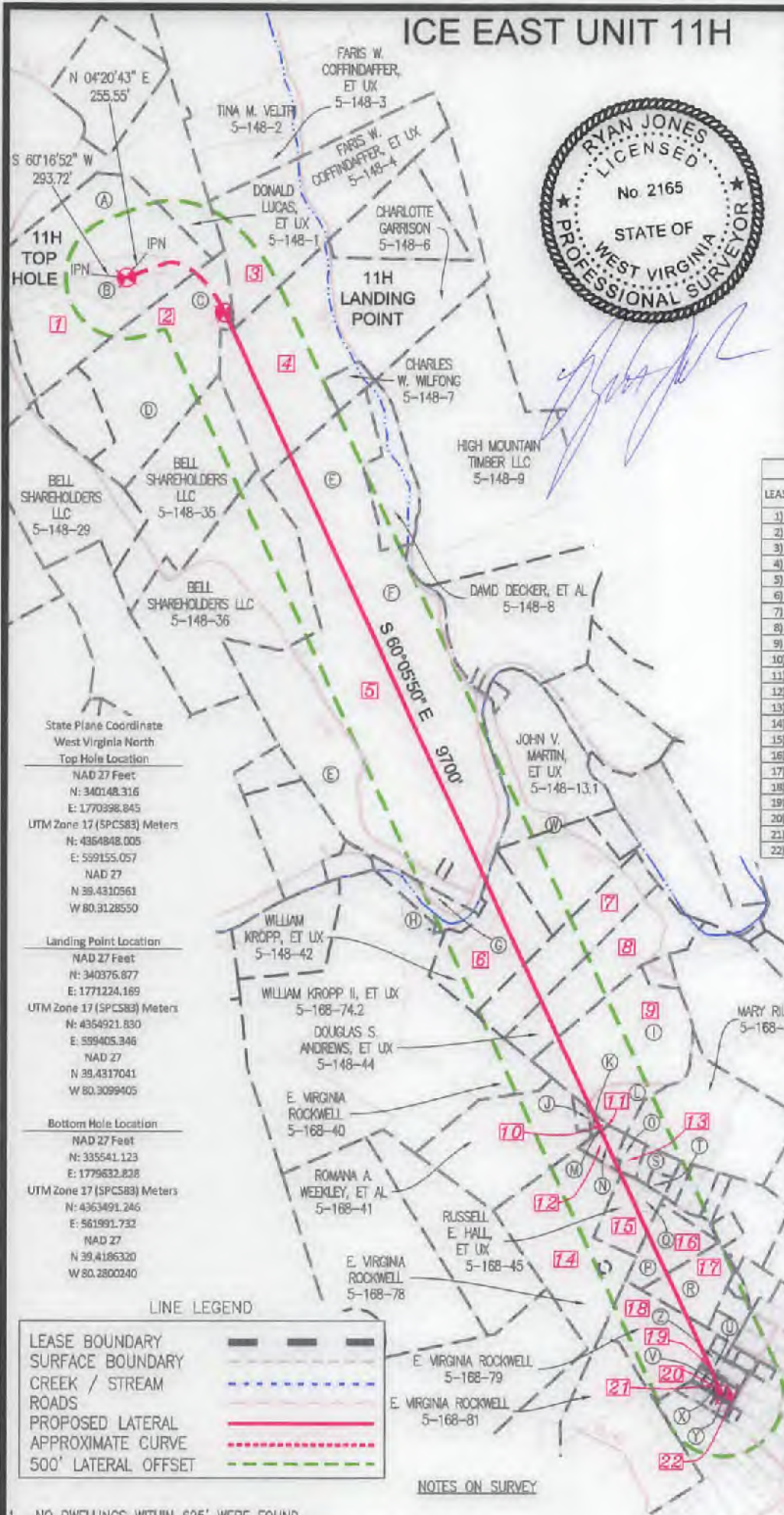
ICE EAST UNIT 11H



[Handwritten Signature]

	SURFACE OWNER	TAX PARCEL
A	XTO ENERGY INC	5-148-27
B	XTO ENERGY INC	5-148-27.1
C	BELL SHAREHOLDERS LLC	5-148-32
D	BELL SHAREHOLDERS LLC	5-148-33
E	BELL SHAREHOLDERS LLC	5-148-37
F	BERNARD WILSON JR., ET UX	5-148-37.1
G	BELL SHAREHOLDERS LLC	5-148-55
H	BELL SHAREHOLDERS LLC	5-168-38
I	LAWRENCE B. BITTINGER, ET UX	5-168-13
J	BETTY L. MATHENY	5-168-42
K	HEATHER L. STARSICK	5-168-41.1
L	LAWRENCE B. BITTINGER, ET UX	5-168-13.1
M	HEATHER STARSICK	5-168-43.3
N	JIMMIE F. ASH, ET UX	5-168-45
O	MARK A. ASH, ET UX	5-168-43.2
P	JAMES E. HYDE, ET UX	5-168-46
Q	RUSSELL E. HALL	5-168-45.1
R	JAMES HYDE	5-168-49
S	ALICE J. MATHENY	5-168-43.1
T	ALICE J. MATHENY	5-168-44
U	ROY D. SANDY, ET UX	5-907-102
V	LESTER W. ASH, ET UX	5-907-116
W	ABANDONED RAILROAD	
X	JAMES E. SANDY	5-907-117
Y	LLOYD I. PARRISH, ET AL	5-907-118
Z	ROY D. SANDY, ET UX	5-907-101

ICE EAST UNIT 11H		
LEASE	LESSOR	MINERAL ACREAGE
1)	JANICE M. BRENNAN, ET AL	39.50
2)	ROBERT T. JOSEPH, ET AL	27.753125
3)	FARIS W. COFFINDAFFER, ET AL	37.375
4)	XTO ENERGY INC	46.00
5)	CNX GAS COMPANY LLC	95.16
6)	XTO ENERGY INC	8.30
7)	LOUISE J. MICHAELS	18.50
8)	ROBERT W. ORR, ET AL	12.875
9)	JARVISVILLE HOLDINGS, LLC, ET AL	21.260
10)	JASON L. STARSICK, ET UX	0.37557
11)	HEATHER STARSICK	0.02
12)	JIMMIE F. ASH, ET UX	1.69
13)	MARK A. ASH, ET UX	1.23
14)	E. VIRGINIA ROCKWELL	29.133
15)	DANIEL WULFERT, ET AL	5.08
16)	JAMES HYDE, ET UX	5.8000
17)	JAMES HYDE, ET UX	5.8300
18)	CHARLES G. ROCKWELL, ET UX	11.00
19)	ROY D. SANDY, ET UX	0.4650
20)	TRACI M. BOYD, ET AL	0.2060
21)	JAMES E. SANDY	0.209
22)	PATRICIA STURM, ET AL	0.4320



**State Plane Coordinate
West Virginia North
Top Hole Location**
NAD 27 Feet
N: 340148.316
E: 1770398.845

UTM Zone 17 (SPCS83) Meters
N: 4364848.005
E: 559155.057

Landing Point Location
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E: 1771224.189

UTM Zone 17 (SPCS83) Meters
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Bottom Hole Location
NAD 27 Feet
N: 335541.123
E: 1779632.828

UTM Zone 17 (SPCS83) Meters
N: 4363491.246
E: 561991.732

LINE LEGEND

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

NOTES ON SURVEY

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JONES CONSULTANTS, LLC



XTO ENERGY
190 THORN HILL ROAD
WARRENDALE, PA 15086

0' 1200'

SURVEYING • MAPPING • LAND • GAS WELL • PIPELINE
2402 PENNSYLVANIA 66 DELMONT, PA 15626
(724) 757 - 2417 www.jonesconsultant.com

SUPPLEMENTAL SURFACE AND LESSOR EXHIBIT

ICE EAST UNIT 11H

Drawn By: JRV	Date: 7/22/19	CLAY DISTRICT HARRISON COUNTY, WEST VIRGINIA
Scale: 1" = 1200'	Sheet: SHEET 2 OF 2	File No.: JC2017-27
AFE # DD.2017.02326		