

SCALE: 1" = 2400'

ICE WEST UNIT 3H

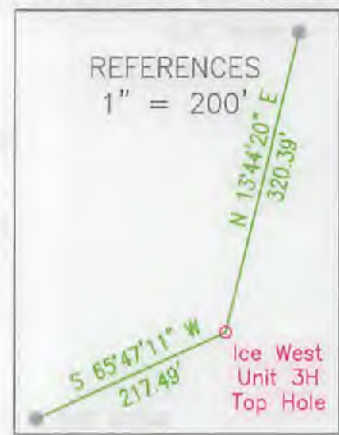
LATITUDE: 39°27'30" SCALE: 1" = 2000'
(USE FOR BOTH TOP AND BOTTOM HOLES)

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: 340091.915	N: 339289.210	N: 342543.872
E: 1770342.116	E: 1769624.098	E: 1759241.720
UTM Zone 17 (SPCS83) Meters	UTM Zone 17 (SPCS83) Meters	UTM Zone 17 (SPCS83) Meters
N: 4364830.533	N: 4364582.332	N: 4365521.183
E: 559138.060	E: 558923.376	E: 555743.695
NAD 27	NAD 27	NAD 27
N 39.4308998	N 39.4286782	N 39.4373491
W 80.3130540	W 80.3155700	W 80.3524326



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

SHEET 1 OF 2

FILE #: JC2018-82
 DRAWING #: ICE WEST UNIT 3H
 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 3H
 API WELL #: 47 033 05961 H6A
 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 TRUST A. ET AL ACREAGE: 729.7±

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: 7,554' (TVD), 18,968' (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

LINE LEGEND

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

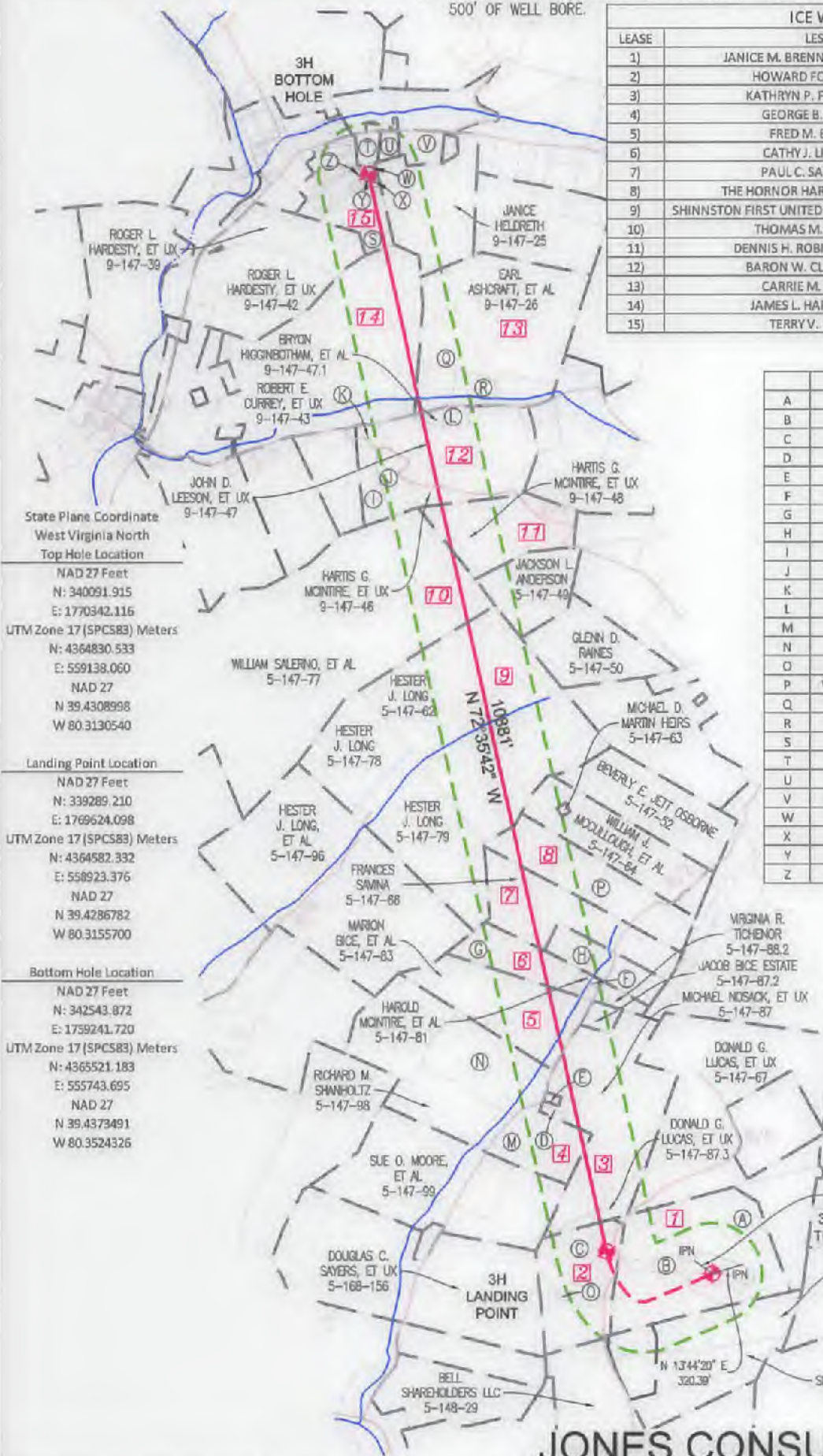
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ICE WEST UNIT 3H		
LEASE	LESSOR	MINERAL ACREAGE
1)	JANICE M. BRENNAN TRUST A, ET AL	39.50
2)	HOWARD FORTNEY, ET AL	21.00
3)	KATHRYN P. FORTNEY, ET AL	42.1170
4)	GEORGE B. BICE, ET UX	57.2125
5)	FRED M. BICE, ET UX	22.00
6)	CATHY J. LIBERT, ET AL	12.25
7)	PAUL C. SAVINA, ET UX	21.50
8)	THE HORNOR HARDWARE COMPANY	22.25
9)	SHINNSTON FIRST UNITED METHODIST CHURCH, ET AL	109.00
10)	THOMAS M. DAVIS, ET AL	135.00
11)	DENNIS H. ROBINSON, JR., ET AL	20.00
12)	BARON W. CLAYPOOL, ET AL	32.39
13)	CARRIE M. KING, ET AL	60.00
14)	JAMES L. HARDESTY, ET UX	120.00
15)	TERRY V. HAGGERTY	15.50

	SURFACE OWNER	TAX PARCEL
A	XTO ENERGY INC	5-148-27
B	XTO ENERGY INC	5-148-27.1
C	JOHN E. NAY JR., ET UX	5-148-28
D	JOSEPH F. THORNE, ET UX	5-147-87.1
E	CURT S. WILCOX	5-147-86
F	HAROLD E. MCINTIRE, ET AL	5-147-82.1
G	ROBERT MCINTIRE, ET UX	5-147-82
H	MICHAEL SHANHOLTZ	5-147-80
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	LISA A. MACKAY	9-147-47.2
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	5-147-65
Q	EARL ASHCRAFT, ET AL	9-147-27
R	EARL ASHCRAFT, ET AL	9-147-28
S	SANDRA HAGGERTY	9-147-38
T	THOMAS F. MOORE, ET AL	9-147-22
U	BARBARA JONES, ET AL	9-147-23
V	MICHAEL R. UNDERWOOD, SR	9-147-24
W	THOMAS F. MOORE, ET AL	9-1705-16
X	THOMAS F. MOORE, ET AL	9-1705-15
Y	THOMAS F. MOORE, ET AL	9-1705-14
Z	THOMAS F. MOORE, ET AL	9-1705-13



State Plane Coordinate
West Virginia North
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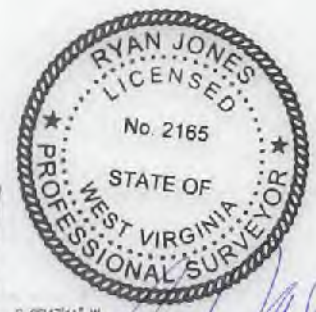
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JONES CONSULTANTS, LLC

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190 THORN HILL ROAD
WARRENDALE, PA 15086



SUPPLEMENTAL SURFACE AND LESSOR EXHIBIT

ICE WEST UNIT 3H

Drawn By: JRV	Date: 7/22/19	CLAY DISTRICT HARRISON COUNTY, WEST VIRGINIA
Scale: 1" = 1500'	Sheet: SHEET 2 OF 2	File No.: JC2018-82