

BOTTOM HOLE ← TOP HOLE ← 8426' 5952'

SCALE: 1" = 2400'

ICE SOUTH UNIT 10H

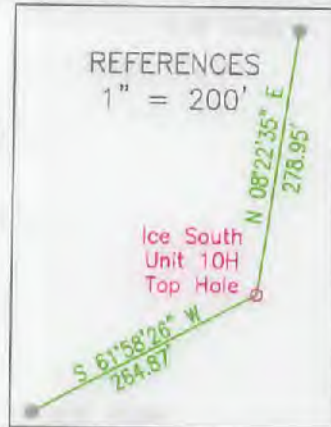
LATITUDE: 39°27'30" SCALE: 1" = 2000'
(USE FOR BOTH TOP AND BOTTOM HOLES)

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'

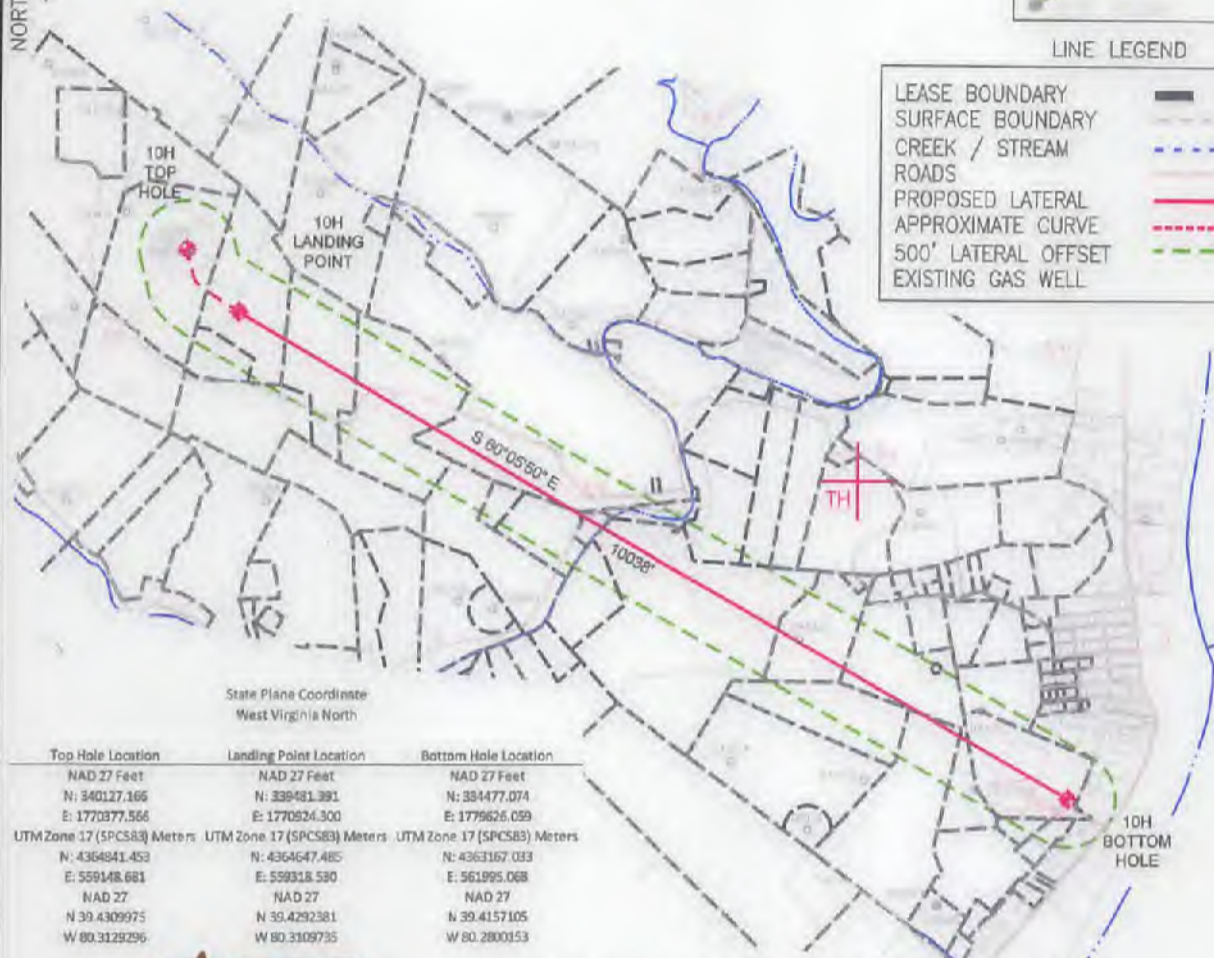


LINE LEGEND

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

SCALE: 1" = 2000' LONGITUDE: 80°17'30" (TOP HOLE)
SCALE: 1" = 1000' LONGITUDE: 80°15'00" (BOTTOM HOLE)

NORTH



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: 340127.166	N: 339481.391	N: 351477.074
E: 1770377.564	E: 1770924.300	E: 1779626.059
UTM Zone 17 (SPCS83) Meters	UTM Zone 17 (SPCS83) Meters	UTM Zone 17 (SPCS83) Meters
N: 4364841.453	N: 4364647.485	N: 4363167.033
E: 559148.681	E: 559318.530	E: 561995.068
NAD 27	NAD 27	NAD 27
N 39 4309975	N 39 4292581	N 39 4157105
W 80 3129296	W 80 3109735	W 80 2800153



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

SHEET 1 OF 2

FILE #: JC2017-28
DRAWING #: ICE SOUTH UNIT 10H 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:
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 SOUTH UNIT 10H
API WELL #: 47 033 0596.3
STATE COUNTY PERMIT

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

WATERSHED: LOWER WEST FORK RIVER (0502000206)
COUNTY/DISTRICT: HARRISON / CLAY
SURFACE OWNER: XTO ENERGY INC
OIL & GAS ROYALTY OWNER: JANICE M. BRENNAN, ET AL

ELEVATION: 1,360' (EXISTING FINISH GRADE)
QUADRANGLE: SHINNSTON 7.5'
ACREAGE: 7.23±
ACREAGE: 430.5±

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: 7,579' (TVD), 17,969' (TMD)

WELL OPERATOR: XTO ENERGY INC.
Address: 190 THORN HILL ROAD
City: WARRENDALE State: PA Zip Code: 15086

DESIGNATED AGENT: GARY BEALL
Address: P.O. BOX 1008
City: JANE LEW State: WV Zip Code: 26378

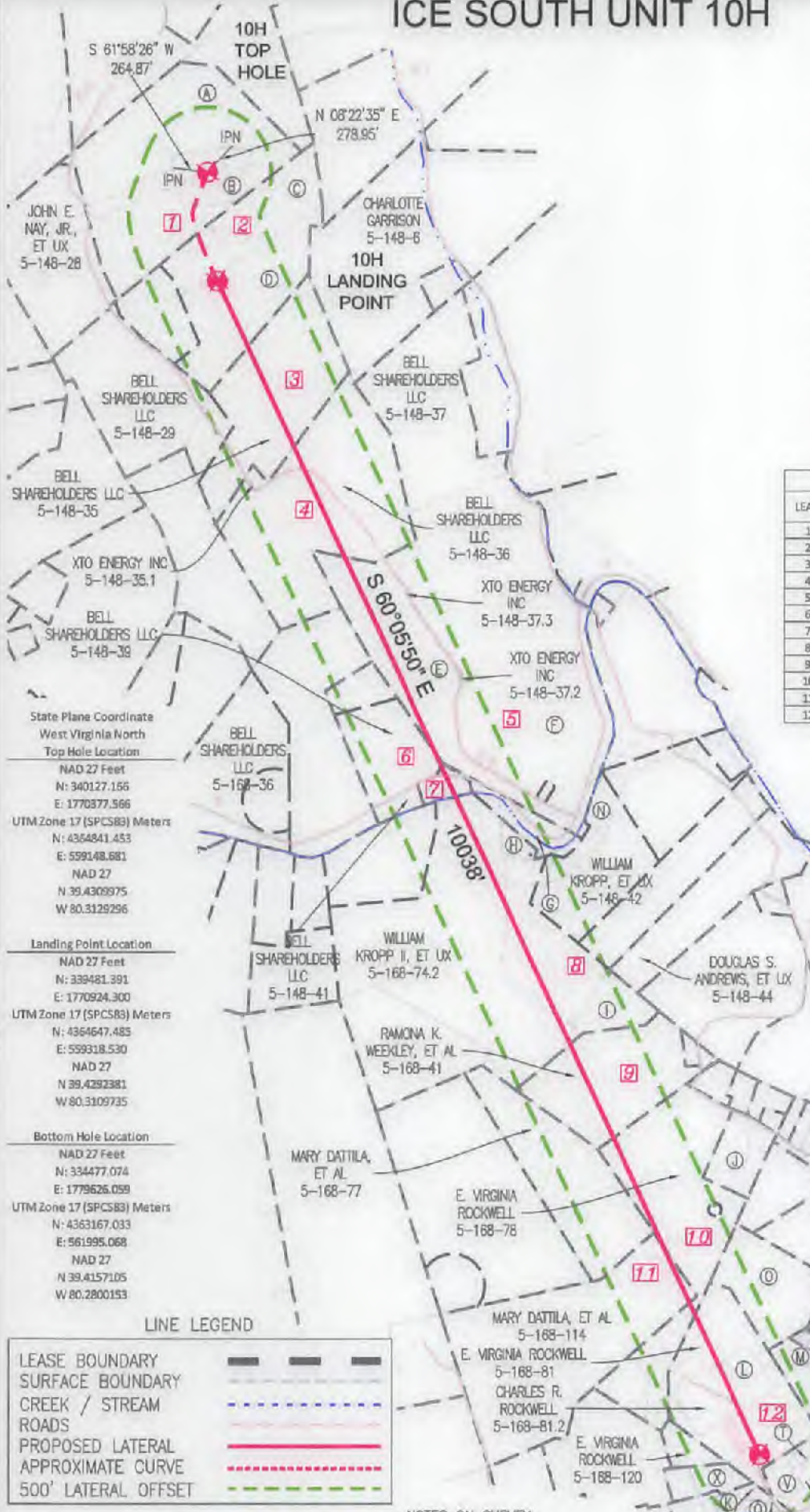
ICE SOUTH UNIT 10H

	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	E. VIRGINIA ROCKWELL	5-168-40
J	RUSSELL E. HALL, ET UX	5-168-45
K	CALVIN WEARS, ET UX	5-908-24
L	E. VIRGINIA ROCKWELL	5-168-81.1
M	MICHAEL A. KOVALICK, ET UX	5-168-80
N	ABANDONED RAILROAD	
O	E. VIRGINIA ROCKWELL	5-168-79
P	MICHAEL A. KOVALICK, ET UX	5-908-38.1
Q	SIERRA HOLCOMB, ET AL	5-908-25
R	E. VIRGINIA ROCKWELL	5-908-34
S	IANICE E. MCINTIRE	5-908-30
T	IANICE E. MCINTIRE	5-908-30.1
U	E. VIRGINIA ROCKWELL	5-908-29
V	E. VIRGINIA ROCKWELL	5-168-82
W	TRUSTEES MCINTIRE CEMETERY	5-908-26
X	RANDY MOORE, ET UX	5-168-121
Y	SIERRA HOLCOMB, ET AL	5-908-25.1
Z	VIRGINIA ROCKWELL	5-908-28

ICE SOUTH UNIT 10H		
LEASE	LESSOR	MINERAL ACREAGE
1)	IANICE M. BRENNAN, ET AL	39.50
2)	ROBERT T. JOSEPH, ET AL	27.753125
3)	ROBERT T. JOSEPH, ET AL	24.00
4)	DAVID J. HARMER, ET AL	42.00
5)	CNX GAS COMPANY LLC	95.15
6)	FARIS W. COFFINDAFFER, ET UX	11.475
7)	FARIS W. COFFINDAFFER, ET UX	1.55
8)	ROBERT EARL MCINTIRE, ET AL	76.93
9)	DOROTHY A. GOFF	19.32
10)	E. VIRGINIA ROCKWELL	29.133
11)	JOHN M. BRENNAN, ET UX	40.00
12)	KEN/IC S. WADSWORTH, ET UX	23.70



[Handwritten Signature]



State Plane Coordinate
West Virginia North
Top Hole Location
NAD 27 Feet
N: 340127.156
E: 1770377.566
UTM Zone 17 (SPCS83) Meters
N: 4364841.453
E: 599148.681
NAD 27
N: 39.4309975
W: 80.3129296

Landing Point Location
NAD 27 Feet
N: 339481.391
E: 1770924.300
UTM Zone 17 (SPCS83) Meters
N: 4364647.485
E: 599318.530
NAD 27
N: 39.4292381
W: 80.3109735

Bottom Hole Location
NAD 27 Feet
N: 334477.074
E: 1779626.059
UTM Zone 17 (SPCS83) Meters
N: 4363167.033
E: 561995.068
NAD 27
N: 39.4157105
W: 80.2800153

LINE LEGEND

LEASE BOUNDARY	--- (dashed black)
SURFACE BOUNDARY	--- (dashed grey)
CREEK / STREAM	--- (dashed blue)
ROADS	--- (solid red)
PROPOSED LATERAL	--- (solid red)
APPROXIMATE CURVE	--- (dotted red)
500' LATERAL OFFSET	--- (dashed green)

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 WDEP AND SURVEYED LOCATIONS OF WELLS WITHIN 500' OF WELL BORE.

JONES CONSULTANTS, LLC

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

SUPPLEMENTAL SURFACE AND LESSOR EXHIBIT

ICE SOUTH UNIT 10H

Drawn By: JRV	Date: 7/22/19	CLAY DISTRICT HARRISON COUNTY, WEST VIRGINIA
Scale: 1" = 1200'	Sheet: SHEET 2 OF 2	File No.: JC2017-28
AFE # DD.2012.08576		

190 THORN HILL ROAD
WARRENDALE, PA 15086

