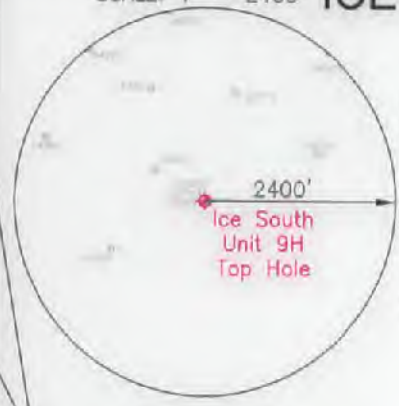


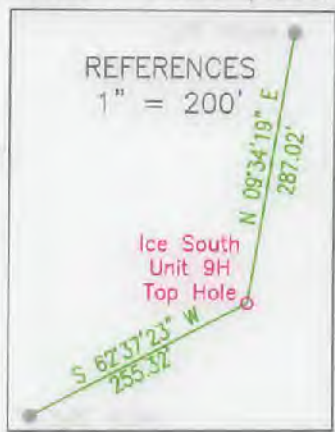
BOTTOM HOLE ← 9106' TOP HOLE → 5959'

SCALE: 1" = 2400' ICE SOUTH UNIT 9H LATITUDE: 39°27'30" SCALE: 1" = 2000' (TOP HOLE)  
 LATITUDE: 39°25'00" SCALE: 1" = 2000' (BOTTOM HOLE)



**BH** NOTES ON SURVEY

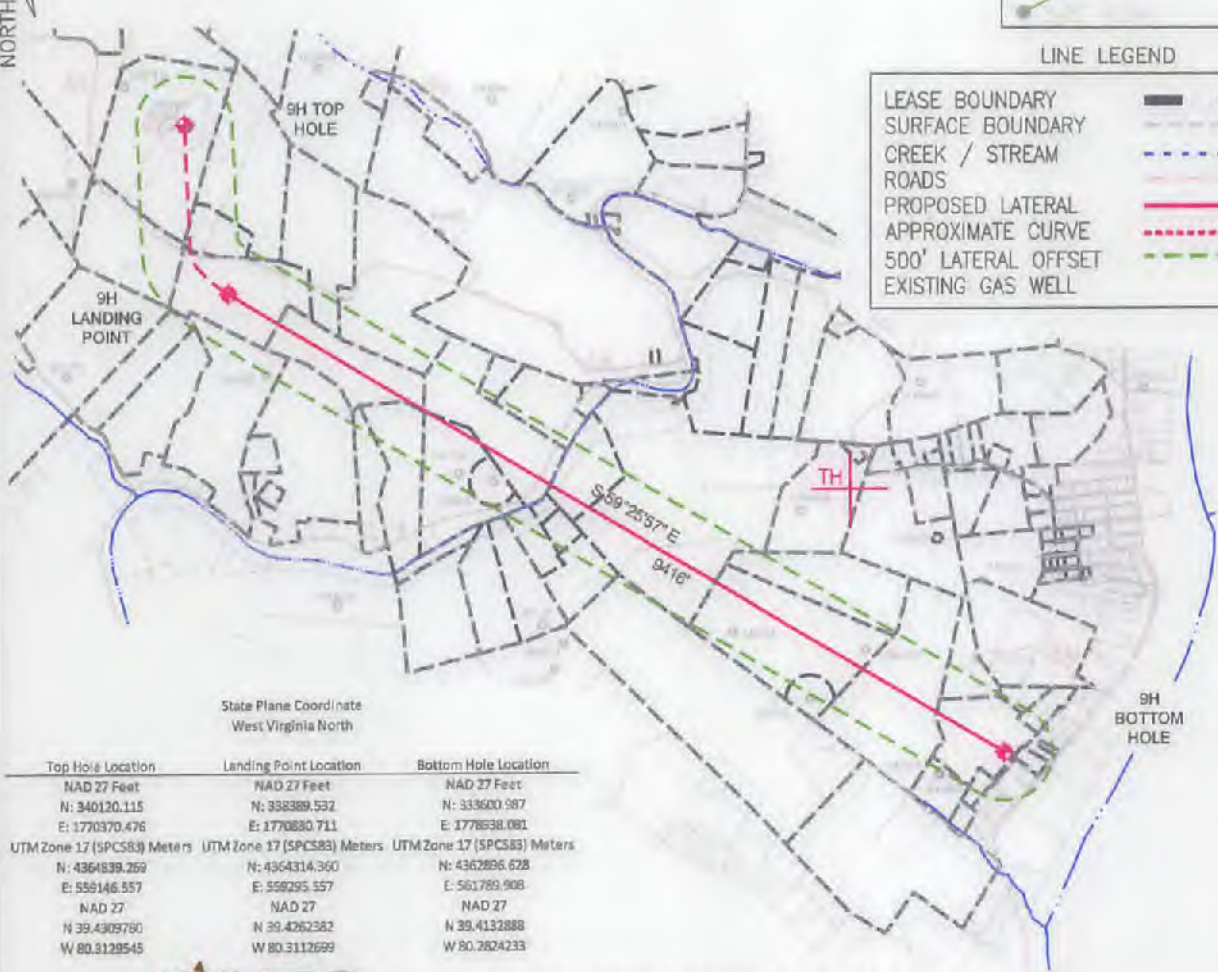
1. NO DWELLINGS WITHIN 625' WERE FOUND.
2. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' WERE FOUND.
3. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD 83.
4. WELL ELEVATION ESTABLISHED BY RTK GPS NAVD 88.
5. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR 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.



LINE LEGEND

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

1199' BOTTOM HOLE  
 993.5'  
 SCALE: 1" = 2000' LONGITUDE: 80°17'30" (TOP HOLE)  
 SCALE: 1" = 2000' LONGITUDE: 80°15'00" (BOTTOM HOLE)



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: 340120.115	N: 338389.532	N: 333600.987
E: 1770370.476	E: 1770880.711	E: 1778638.081
UTM Zone 17 (SPCS83) Meters	UTM Zone 17 (SPCS83) Meters	UTM Zone 17 (SPCS83) Meters
N: 4364839.269	N: 4364314.360	N: 4362896.628
E: 558146.557	E: 558295.557	E: 561789.908
NAD 27	NAD 27	NAD 27
N 39.4309760	N 39.4262382	N 39.4132888
W 80.3129545	W 80.3112699	W 80.2824233



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 (724) 757 - 2417 www.jonesconsultant.com

SHEET 1 OF 2

FILE #: JC2018-84  
 DRAWING #: ICE SOUTH UNIT 9H  
 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 SOUTH UNIT 9H  
 API WELL #: 47 033 05958 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: 317.8±

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: 7,564' (TVD), 17,616' (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

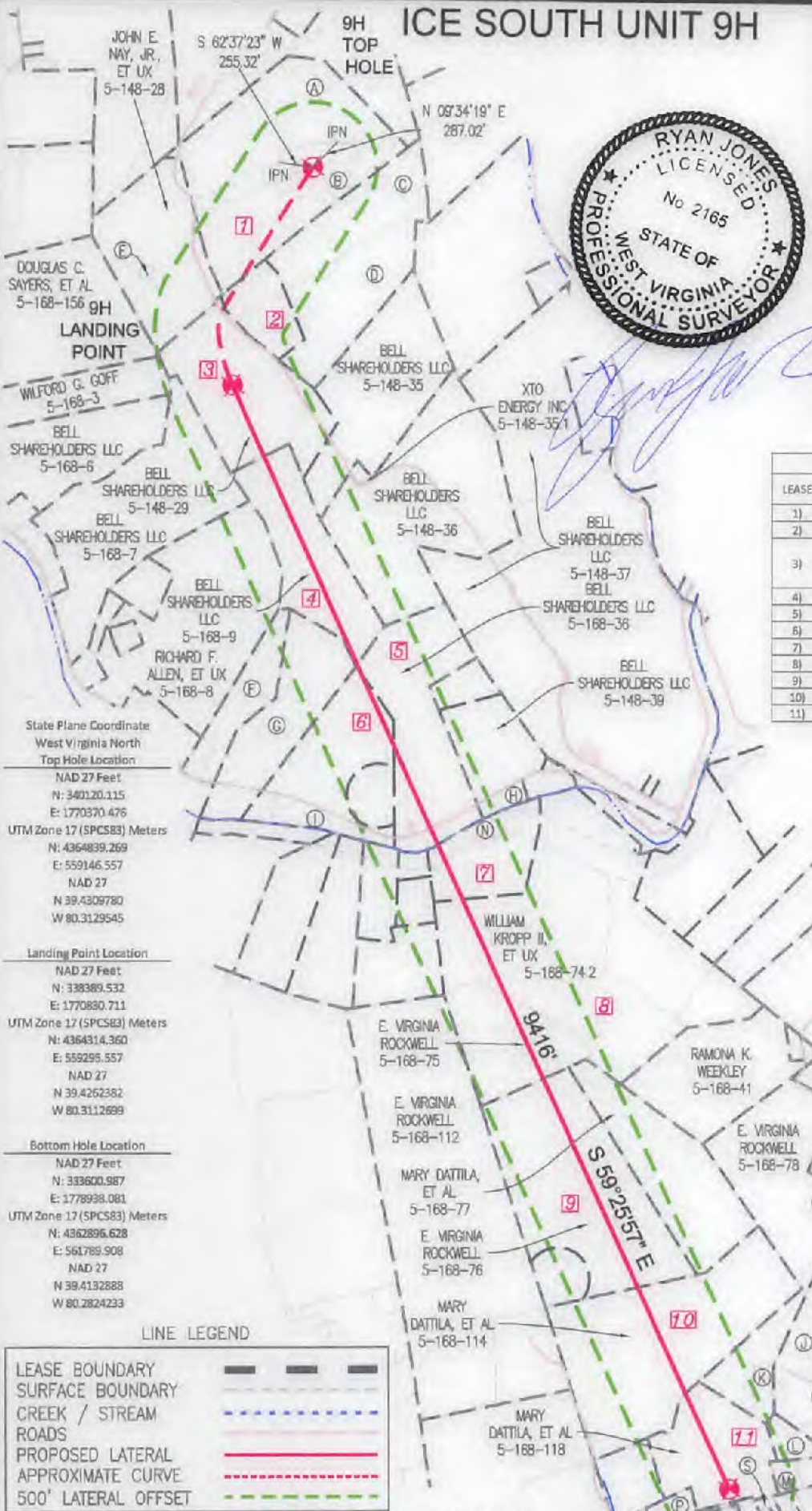


# ICE SOUTH UNIT 9H



	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	EQUITABLE GAS CO	5-148-28.1
F	MERTON D. HINZMAN, JR., ET UX	5-168-30
G	BELL SHAREHOLDERS LLC	5-168-31
H	BELL SHAREHOLDERS LLC	5-148-41
J	BRIAN T. PAYTON, ET UX	5-168-26.1
J	E. VIRGINIA ROCKWELL	5-168-81
K	E. VIRGINIA ROCKWELL	5-168-119
L	E. VIRGINIA ROCKWELL	5-168-120
M	RANDY E. MOORE, ET UX	5-168-118.1
N	ABANDONED RAILROAD	
O	ROBERT L. COSTELAC	5-168-122
P	ERICA L. MANNO	5-168-117
Q	JAMES W. GOFF	5-908-14
R	HARCO LLC	5-908-18
S	HARCO LLC	5-908-19.1
T	JOAN B. WILSON	5-908-19
U	BILLY WRIGHT, ET UX	5-908-20
V	BILLY WRIGHT, ET UX	5-908-21
W	HARCO LLC	5-908-14.1

ICE SOUTH UNIT 9H		
LEASE	LESSOR	MINERAL ACREAGE
1)	JANICE M. BRENNAN TRUST A, ET AL	39.50
2)	ROBERT T. JOSEPH, ET AL	5.00
3)	MARGARET ANNE WICKLAND, TRUSTEE UNDER THE REVOCABLE TRUST AGREEMENT DATED AUGUST 23, 1985, AS AMENDED	25.50
4)	MINNIE JO MOORE, ET AL	21.10
5)	JEAN L. SHAVER, ET AL	21.90
6)	WACO OIL & GAS CO. INC., ET AL	21.32
7)	XTO ENERGY INC., ET AL	10.52
8)	ROBERT EARL MCINTIRE, ET AL	76.93
9)	CHARLES G. ROCKWELL, ET UX	38.50
10)	JOHN M. BRENNAN, ET AL	40.00
11)	JOHN M. BRENNAN, ET AL	16.5114



State Plane Coordinate  
West Virginia North  
Top Hole Location  
NAD 27 Feet  
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E: 1770870.476  
UTM Zone 17 (SPCS83) Meters  
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E: 559146.557  
NAD 27  
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E: 1778938.081  
UTM Zone 17 (SPCS83) Meters  
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E: 561789.908  
NAD 27  
N 39.4132888  
W 80.2824233

LINE LEGEND

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

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## JONES CONSULTANTS, LLC

SURVEYING • MAPPING • LAND • GAS WELL • PIPELINE  
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(724) 757 - 2417 www.jonesconsultant.com

### SUPPLEMENTAL SURFACE AND LESSOR EXHIBIT

#### ICE SOUTH UNIT 9H

Drawn By: JRV	Date: 7/22/19	CLAY DISTRICT HARRISON COUNTY, WEST VIRGINIA
Scale: 1" = 1200'	Sheet: SHEET 2 OF 2	File No.: JC2018-84
AFE # DD.2017.02325		



190 THORN HILL ROAD  
WARRENDALE, PA 15086

