

BOTTOM HOLE ← TOP HOLE → 8375' 5916'

SCALE: 1" = 2400'

# ICE SOUTH UNIT 10H

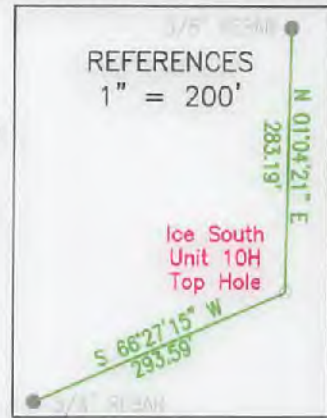
LATITUDE: 39°27'30" SCALE: 1" = 2000'  
(USE FOR BOTH TOP AND BOTTOM HOLES)

### 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 OCTOBER 2017 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.

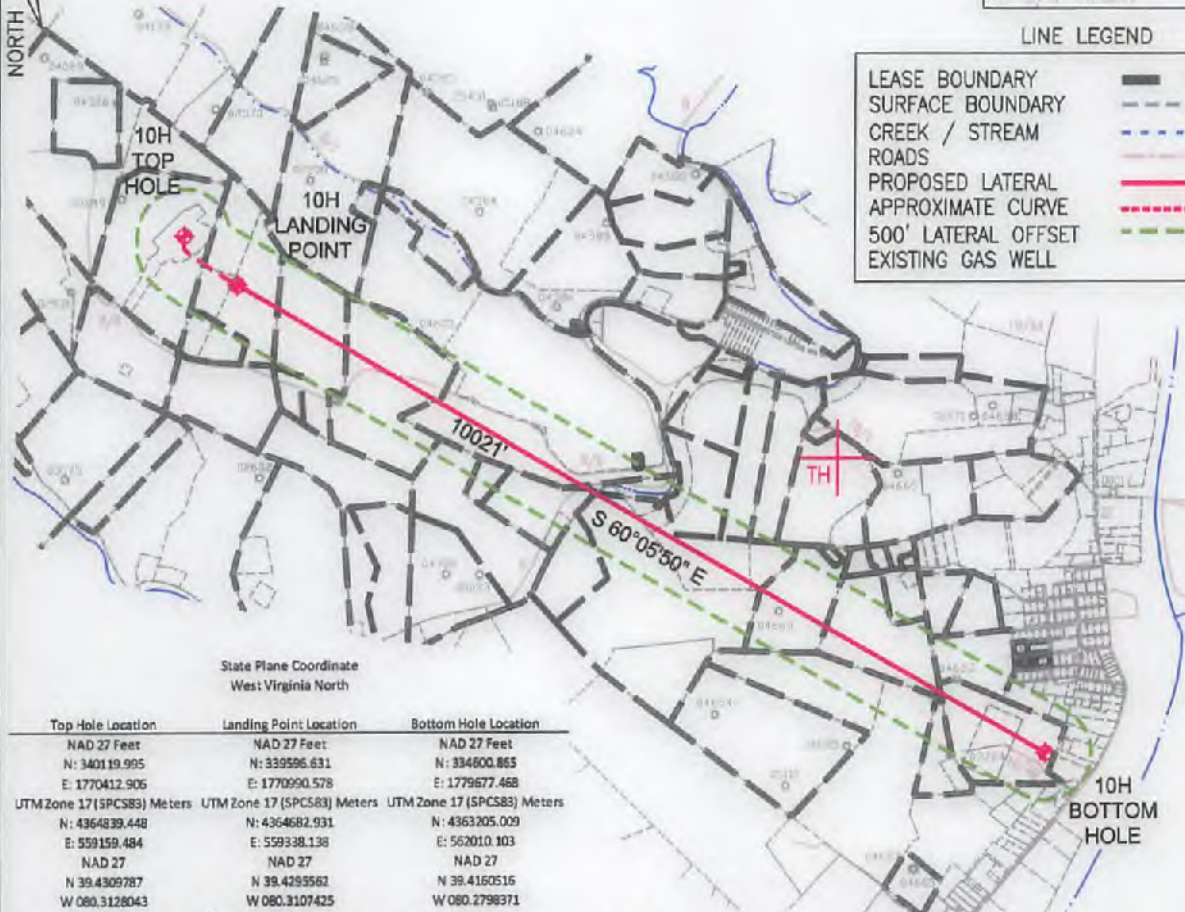
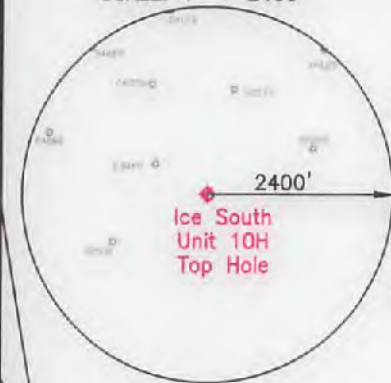
### REFERENCES

1" = 200'



### LINE LEGEND

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



State Plane Coordinate  
West Virginia North

Top Hole Location	Landing Point Location	Bottom Hole Location
NAD 27 Feet N: 340119.995 E: 1770412.906	NAD 27 Feet N: 339596.631 E: 1770990.578	NAD 27 Feet N: 334600.865 E: 1779677.468
UTM Zone 17 (SPCS83) Meters N: 4364839.448 E: 559159.484	UTM Zone 17 (SPCS83) Meters N: 4364682.931 E: 559338.138	UTM Zone 17 (SPCS83) Meters N: 4363205.029 E: 562010.103
NAD 27 N 39.4309787 W 080.3128043	NAD 27 N 39.4289562 W 080.3107425	NAD 27 N 39.4160516 W 080.2798371



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(724) 757-2417 BH www.jonesconsultant.com

SHEET 1 OF 2

FILE #: JC2017-28

DRAWING #: ICE SOUTH UNIT 10H

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: 5/3/2018  
OPERATOR'S WELL #: ICE SOUTH UNIT 10H  
API WELL #: 47 033  
STATE COUNTY PERMIT

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

WATERSHED: LOWER WEST FORK RIVER (0502000206) ELEVATION: 1,364' (PROPOSED PAD 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: 394.6±

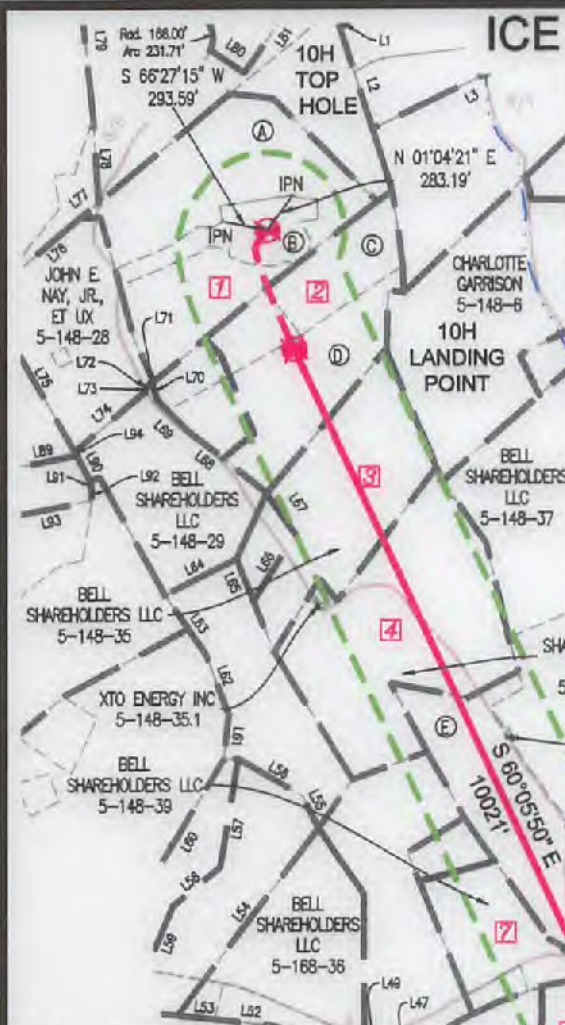
05/18/2018

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: 7,498' (TVD), 17,914' (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 SOUTH UNIT 10H



ICE SOUTH UNIT 10H		
LEASE	LESSOR	MINERAL ACREAGE
1)	JANICE M. BRENNAN, ET AL	39.50
2)	ROBERT T. JOSEPH, ET AL	27.81
3)	ROBERT T. JOSEPH, ET AL	24.00
4)	DAVID J. HARMER, ET AL	42.00
5)	CNX GAS COMPANY LLC	95.16
6)	JEAN L. SHAVER, ET AL	4.00
7)	FARIS W. COFFINDAFFER, ET UX	13.025
8)	ROBERT EARL MCINTIRE, ET AL	76.93
9)	DOROTHY A. GOFF	19.32
10)	E. VIRGINIA ROCKWELL	29.133
11)	KENRIC S. WADSWORTH, ET UX	23.70

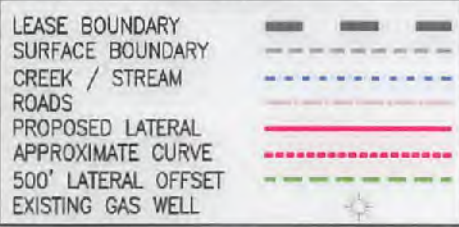
	SURFACE OWNER	TAX PARCEL
A	XTO ENERGY INC	5-148-27
B	XTO ENERGY INC	5-148-27.1
C	BELL SHAREHOLDERS LLC	5-148-32
D	BELL SHAREHOLDERS LLC	5-148-33
E	BELL SHAREHOLDERS LLC	5-148-37
F	BERNARD WILSON JR., ET UX	5-148-37.1
G	BELL SHAREHOLDERS LLC	5-148-55
H	BELL SHAREHOLDERS LLC	5-168-38
I	E. VIRGINIA ROCKWELL	5-168-40
J	RUSSELL E. HALL, ET UX	5-168-45
K	JAMES E. HYDE, ET UX	5-168-46
L	E. VIRGINIA ROCKWELL	5-168-81.1
M	MICHAELA A. KOVALICK, ET UX	5-168-80
N	ABANDONED RAILROAD	
O	E. VIRGINIA ROCKWELL	5-168-79
P	MICHAEL A. KOVALICK, ET UX	5-0908-38.1
Q	E. VIRGINIA ROCKWELL	5-0908-36
R	E. VIRGINIA ROCKWELL	5-0908-34
S	JANICE E. MCINTIRE	5-0908-30
T	JANICE E. MCINTIRE	5-0908-30.1
U	E. VIRGINIA ROCKWELL	5-0908-29
V	E. VIRGINIA ROCKWELL	5-0908-82
W	MCINTIRE CEMETERY	5-0908-26
X	RANDY MOORE, ET UX	5-168-121

LINE	BEARING	DISTANCE
L1	S 28°27'12" W	64.90'
L2	S 5°36'14" E	685.76'
L3	N 29°21'59" E	2049.51'
L4	S 41°35'28" W	593.57'
L5	N 87°47'26" W	729.45'
L6	S 71°14'56" W	702.01'
L7	S 07°52'37" E	1147.85'
L8	S 10°37'07" E	1656.66'
L9	S 08°45'00" E	64.33'
L10	N 88°11'32" E	575.69'
L11	S 64°24'01" E	68.04'
L12	S 67°58'42" E	189.59'
L13	S 09°17'27" E	536.63'
L14	N 84°51'44" E	198.78'
L15	S 05°32'13" E	1141.84'
L16	N 84°27'47" E	1150.00'
L17	S 05°32'13" E	115.00'
L18	N 84°27'47" E	1225.00'
L19	N 05°32'13" E	1120.00'
L20	S 84°27'47" W	375.00'
L21	S 05°32'13" E	30.00'
L22	N 84°27'47" E	375.00'
L23	S 05°50'40" E	1126.01'
L24	S 85°22'47" W	375.72'
L25	S 24°48'12" W	348.83'
L26	S 67°07'13" E	1740.08'
L27	S 18°15'00" W	106.91'
L28	S 22°21'05" W	150.54'
L29	S 22°21'05" W	74.00'
L30	S 22°33'05" W	192.64'
L31	S 54°30'28" E	231.50'
L32	N 88°29'56" W	435.56'
L33	N 88°42'30" W	570.94'
L34	S 01°18'38" E	1108.07'
L35	S 86°57'50" W	627.31'
L36	N 13°34'02" E	1083.06'
L37	N 69°27'40" W	597.18'

LINE	BEARING	DISTANCE
L76	N 14°55'27" W	715.89'
L77	N 15°35'56" W	153.81'
L78	N 38°22'07" W	351.89'
L79	N 40°56'23" W	963.61'
L80	N 89°39'12" E	284.39'
L81	N 00°12'26" W	352.42'
L82	N 86°35'26" E	80.00'
L83	S 03°24'34" E	1136.00'
L84	S 86°35'26" W	80.00'
L85	N 03°24'34" W	1136.00'
L86	N 57°26'24" W	362.19'
L87	N 37°24'25" E	454.44'
L88	S 50°34'48" E	498.16'
L89	N 43°40'38" E	1489.73'
L90	S 62°03'45" E	186.73'
L91	S 44°19'22" E	86.00'
L92	S 36°05'07" E	57.73'
L93	S 43°38'27" W	1487.34'
L94	N 82°03'45" W	127.73'

LINE	BEARING	DISTANCE
L38	N 69°37'58" W	774.75'
L39	N 89°12'85" W	1120.57'
L40	S 30°14'53" W	1152.31'
L41	S 66°57'39" E	11897.50'
L42	S 43°02'26" W	1213.87'
L43	N 52°57'13" W	1645.82'
L44	N 55°23'44" W	1908.26'
L45	N 42°18'46" W	1726.82'
L46	N 41°28'44" W	407.14'
L47	S 35°57'45" W	73.21'
L48	S 58°16'56" W	97.77'
L49	S 74°40'59" W	89.90'
L50	S 68°29'43" W	266.40'
L51	S 70°20'52" W	334.80'
L52	S 61°20'52" W	391.34'
L53	S 61°05'06" W	240.15'
L54	N 02°11'37" E	1505.06'
L55	N 62°00'00" W	226.38'
L56	S 85°04'57" W	478.79'
L57	S 25°51'47" E	1701.25'
L58	S 15°58'13" W	396.00'
L59	S 12°17'24" E	742.73'
L60	N 03°44'21" W	1166.25'
L61	N 28°51'34" W	291.34'
L62	N 55°33'45" W	417.44'
L63	N 70°17'27" W	459.55'
L64	N 28°43'55" E	518.02'
L65	S 57°07'15" E	289.07'
L66	N 02°55'20" W	507.15'
L67	N 70°46'31" W	335.28'
L68	N 88°39'00" W	627.00'
L69	N 79°39'00" W	286.37'
L70	N 52°54'00" W	112.82'
L71	S 17°15'13" W	35.43'
L72	S 13°14'17" W	22.25'
L73	S 18°19'18" E	17.46'
L74	S 14°50'40" W	600.26'
L75	N 65°06'33" W	11036.02'

### LINE LEGEND



- NO DWELLINGS WITHIN 625' WERE FOUND.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' WERE FOUND.
- TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD 83.
- WELL ELEVATION ESTABLISHED BY RTK GPS NAVD 88.
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## JONES CONSULTANTS, LLC

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 (724) 757 - 2417 www.jonesconsultants.com

05/18/2018



SUPPLEMENTAL SURFACE AND LESSOR EXHIBIT	
ICE SOUTH UNIT 10H	
Drawn By: JRV	Date: 5/3/18
Scale: 1" = 1200'	Sheet: SHEET 2 OF 2
File No.: JC2017-28	