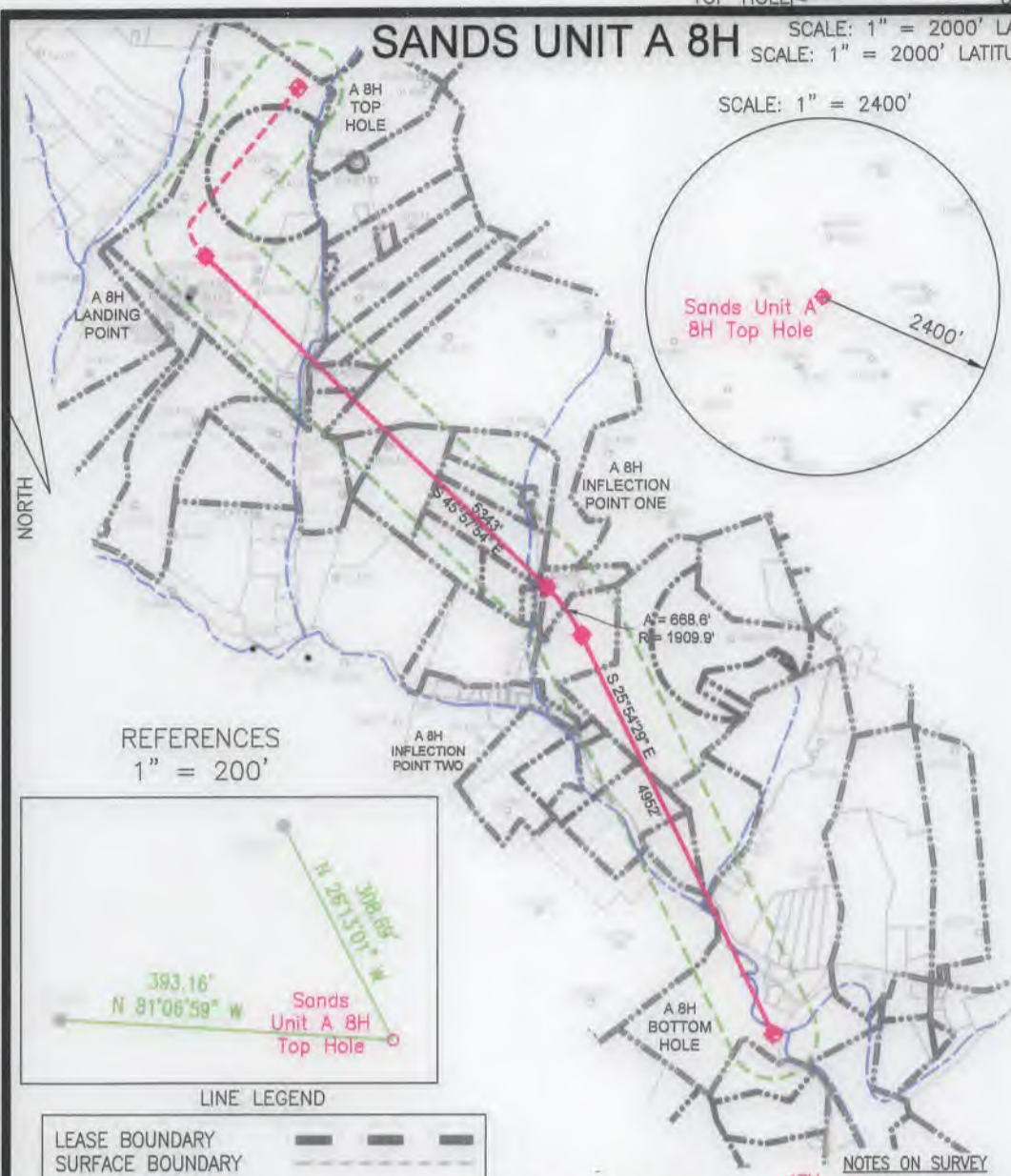


TOP HOLE 6119' BOTTOM HOLE 681'

SANDS UNIT A 8H SCALE: 1" = 2000' LATITUDE: 39°30'00" (TOP HOLE)
 SCALE: 1" = 2000' LATITUDE: 39°27'30" (BOTTOM HOLE)

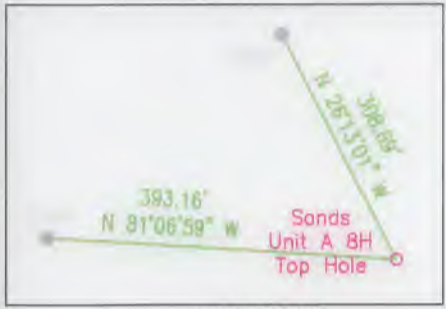
SCALE: 1" = 2400'



State Plane Coordinate	West Virginia North	Top Hole Location
NAD 27 Feet	N: 351811.051	E: 1770313.560
UTM Zone 17 (SPCS83) Meters	N: 4368400.786	E: 559069.877
NAD 27	N 39.4630734	W 80.3135308
Landing Point Location	NAD 27 Feet	N: 349931.066
E: 1769263.294	UTM Zone 17 (SPCS83) Meters	N: 4367822.688
E: 558759.439	NAD 27	N 39.4578858
W 80.3171900	Inflection Point One Location	NAD 27 Feet
N: 346217.053	E: 1773104.551	UTM Zone 17 (SPCS83) Meters
N: 4366710.670	E: 559948.598	NAD 27
N 39.4477843	W 80.3034686	Inflection Point Two Location
NAD 27 Feet	N: 345678.479	E: 1773494.925
UTM Zone 17 (SPCS83) Meters	N: 4366548.568	E: 560070.266
NAD 27	N 39.4463153	W 80.3020993
Bottom Hole Location	NAD 27 Feet	N: 341224.554
E: 1775658.429	UTM Zone 17 (SPCS83) Meters	N: 4365202.603
E: 560752.020	NAD 27	N 39.4341400
W 80.2942692		

03/22/2019

REFERENCES
1" = 200'



LINE LEGEND

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

- NOTES ON SURVEY
- 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.
 - SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MARION COUNTY IN OCTOBER 2018 AND FILES PROVIDED BY XTO ENERGY INC.
 - WELLS SHOWN ARE TAKEN FROM RECORDS OF WVDEP AND SURVEYED LOCATIONS OF WELLS WITHIN 500' OF WELL BORE.



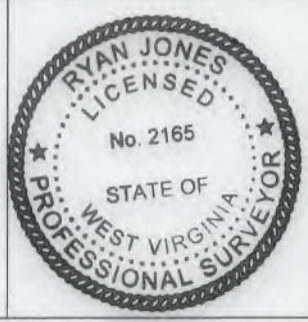
2402 PENNSYLVANIA 66 DELMONT, PA 15626
 (724) 757 - 2417 www.jonesconsultant.com

SHEET 1 OF 2

FILE #: JC2018-77
 DRAWING #: SANDS UNIT A 8H WELL
 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: 1/4/2019
 OPERATOR'S WELL #: SANDS UNIT A 8H
 API WELL #: 47 049 02495
 STATE COUNTY PERMIT

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

WATERSHED: LOWER WEST FORK RIVER (0502000206)
 COUNTY/DISTRICT: MARION / LINCOLN
 SURFACE OWNER: XTO ENERGY INC
 OIL & GAS ROYALTY OWNER: XTO ENERGY INC

ELEVATION: 1,238' (PROPOSED GRADE)
 QUADRANGLE: SHINNSTON 7.5'
 ACREAGE: 105.34±
 ACREAGE: 638±

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

ESTIMATED DEPTH: 7,520' (TVD), 19,014' (TMD)
 DESIGNATED AGENT: GARY BEALL
 Address: P.O. BOX 1008
 City: JANE LEW State: WV Zip Code: 26378

RECEIVED
 Office of Oil and Gas
 N 10 2019
 WV Department of Environmental Protection

SANDS UNIT A 8H

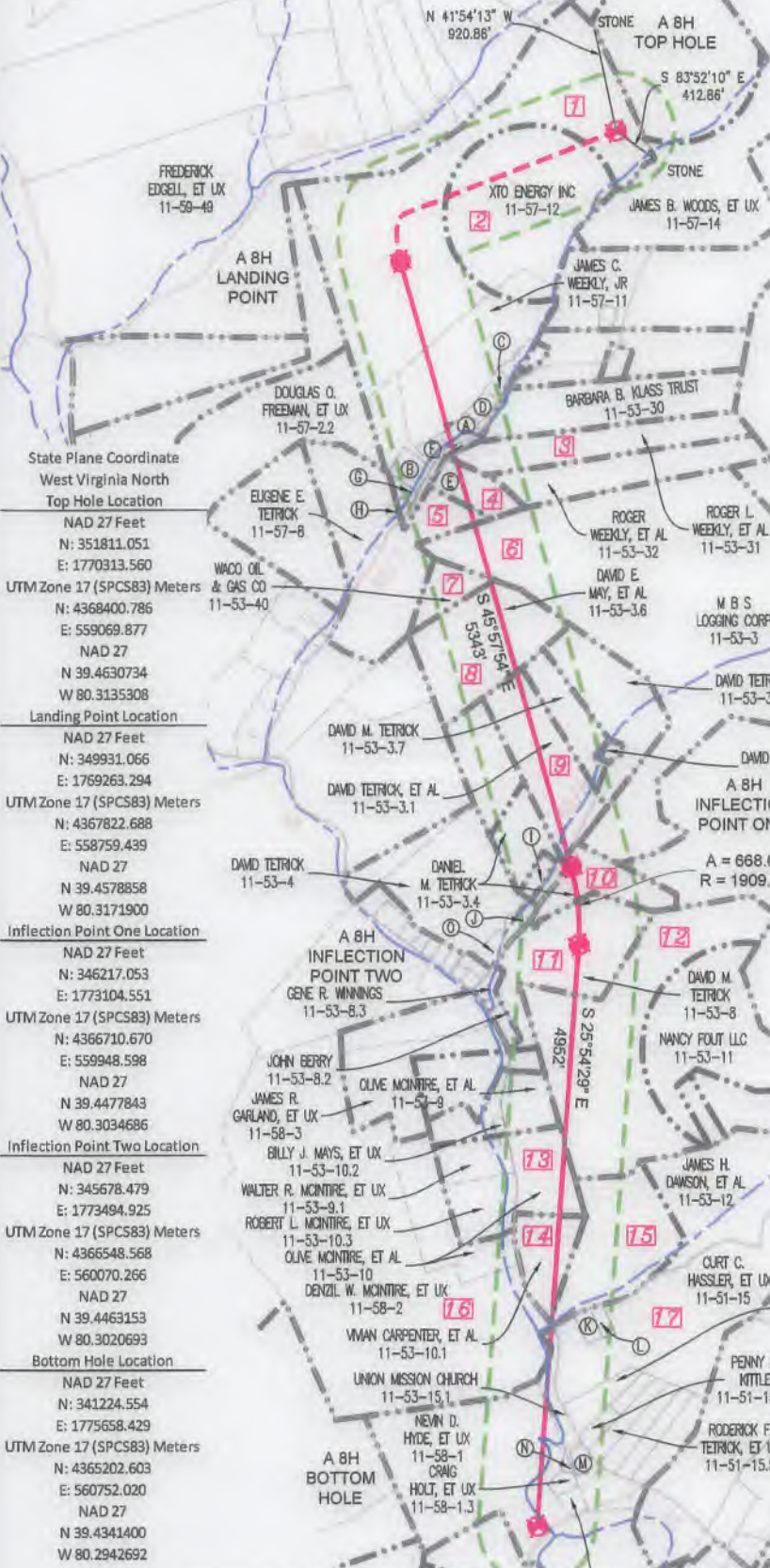
LINE LEGEND

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

03/22/2019

SANDS UNIT A 8H		
LEASE	LESSOR	MINERAL ACREAGE
1)	TRIO PETROLEUM CORP	138.05
2)	WACO OIL AND GAS CO. INC.	35.185
3)	O. JOAN WEEKLY	17.00
4)	IMOGENE SAYERS, ET AL	5.045
5)	IMOGENE SAYERS, ET AL	30.995
6)	PATRICIA ANN JUDY, ET AL	130.00
7)	GARY B. TATE, ET AL	5.22
8)	WILMA R. GOODWIN, ET AL	20.00
9)	EUGENE V. TETRICK, ET AL	16.72
10)	EUGENE V. TETRICK, ET AL	8.00
11)	DAVID M. TETRICK	16.175
12)	BERTA PEARL LAUGHLIN, ET AL	80.00
13)	ALLEN R. COOPER, ET AL	20.00
14)	PHYLLIS J. CARPENTER, ET AL	15.00
15)	BARBARA HARRIS, ET AL	15.00
16)	DENZIL MCINTIRE, ET UX	132.00
17)	WACO OIL AND GAS CO. INC., ET AL	91.49

	SURFACE OWNER	TAX PARCEL
A	DONALD A. WEEKLY, ET UX	11-57-11.6
B	ROGER L. WEEKLY	11-57-11.3
C	VIRGINIA K. WEEKLY	11-57-11.2
D	JESSICA N. WEEKLY, ET VIR	11-57-11.5
E	ROGER L. WEEKLY	11-53-31.1
F	STEPHEN L. YEAGER	11-57-11.8
G	EUGENE E. TETRICK	11-57-11.1
H	JOHN R. WEEKLY	11-57-10
I	DANIEL M. TETRICK	11-53-3.20
J	DAVID M. TETRICK	11-53-3.2
K	EDWARD W. HINERMAN, ET UX	11-51-15.8
L	EDWARD W. HINERMAN, ET UX	11-51-15.3
M	CRAIG A. HOLT, ET UX	11-51-15.4
N	CRAIG A. HOLT, ET UX	11-58-1.2
O	JAMES A. KELLAR, ET UX	11-53-4.1



State Plane Coordinate
West Virginia North
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NAD 27 Feet
N: 351811.051
E: 1770313.560
UTM Zone 17 (SPCS83) Meters
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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 SANDS UNIT A 8H

Drawn By: JRV	Date: 1/4/19	LINCOLN DISTRICT MARION COUNTY, WEST VIRGINIA	
Scale: 1" = 1500'	Sheet: SHEET 2 OF 2	File No.: JC2018-77	
AFE # 1004837			