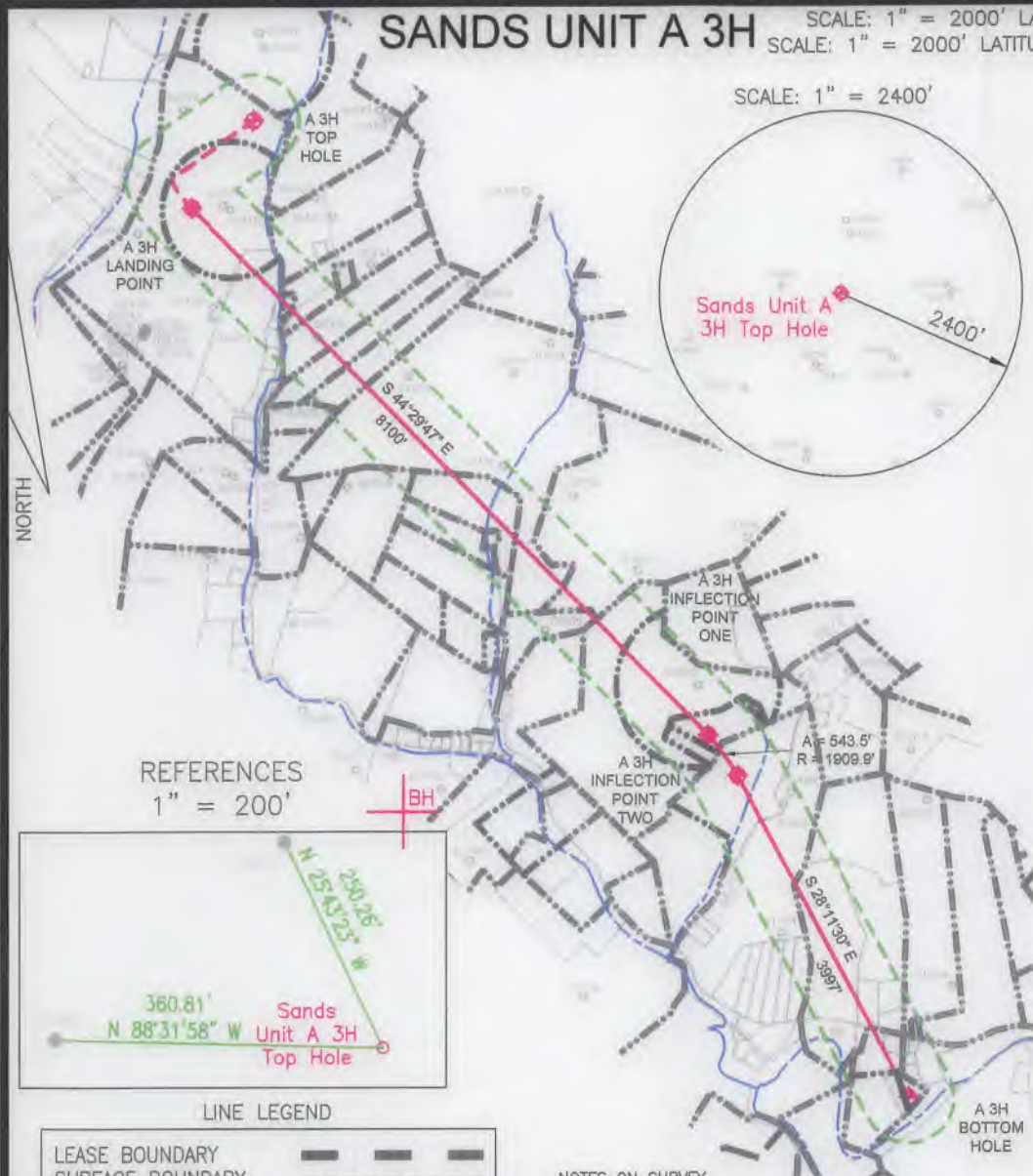


BOTTOM HOLE 10605' 61.33'

**SANDS UNIT A 3H** SCALE: 1" = 2000' LATITUDE: 39°30'00" (TOP HOLE)  
SCALE: 1" = 2000' LATITUDE: 39°27'30" (BOTTOM HOLE)

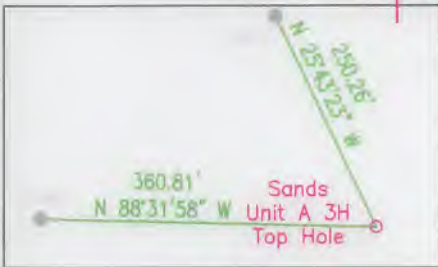
SCALE: 1" = 2400'



State Plane Coordinate	
West Virginia North	
Top Hole Location	
NAD 27 Feet	
N: 351824.891	
E: 1770299.120	
UTM Zone 17 (SPCS83) Meters	
N: 4368404.925	
E: 559065.408	
NAD 27	
N 39.4681110	
W 80.3135824	
Landing Point Location	
NAD 27 Feet	
N: 350867.883	
E: 1769616.053	
UTM Zone 17 (SPCS83) Meters	
N: 4368109.894	
E: 558862.157	
NAD 27	
N 39.4604666	
W 80.3159708	
Inflection Point One Location	
NAD 27 Feet	
N: 345090.225	
E: 1775292.992	
UTM Zone 17 (SPCS83) Meters	
N: 4366378.479	
E: 560621.065	
NAD 27	
N 39.4447442	
W 80.2956841	
Inflection Point Two Location	
NAD 27 Feet	
N: 344653.922	
E: 1775614.005	
UTM Zone 17 (SPCS83) Meters	
N: 4366247.183	
E: 560721.082	
NAD 27	
N 39.4485541	
W 80.2945338	
Bottom Hole Location	
NAD 27 Feet	
N: 341130.863	
E: 1777502.401	
UTM Zone 17 (SPCS83) Meters	
N: 4365183.422	
E: 561314.295	
NAD 27	
N 39.4339274	
W 80.2877381	

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

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 MARION COUNTY IN OCTOBER 2018 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.



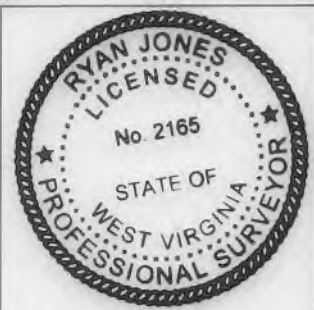
2402 PENNSYLVANIA 66 DELMONT, PA 15626  
(724) 757 - 2417 www.jonesconsultant.com

SHEET 1 OF 2

FILE #: JC2017-18  
DRAWING #: SANDS UNIT A 3H 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: 11/15/2018  
OPERATOR'S WELL #: SANDS UNIT A 3H  
API WELL #: 47 049 02491  
STATE COUNTY PERMIT

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

WATERSHED: LOWER WEST FORK RIVER (0502000206) ELEVATION: 1,238' (PROPOSED GRADE)  
COUNTY/DISTRICT: MARION / LINCOLN QUADRANGLE: SHINNSTON 7.5'  
SURFACE OWNER: XTO ENERGY INC ACREAGE: 105.34±  
OIL & GAS ROYALTY OWNER: XTO ENERGY INC ACREAGE: 777.1±

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: 7,520' (TVD), 20,431' (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

# SANDS UNIT A 3H

## LINE LEGEND

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

03/22/2019

SANDS UNIT A 3H		
LEASE	LESSOR	MINERAL ACREAGE
1)	TRIO PETROLEUM CORP	138.05
2)	WACO OIL AND GAS CO. INC.	35.185
3)	JAMES C. WEEKLY, JR	0.91
4)	JAMES C. WEEKLY, JR	16.22
5)	LACY BOGGESS, ET VIR	18.00
6)	O. JOAN WEEKLY	17.00
7)	JOANNE EDGELL	15.52
8)	PATRICIA ANN JUDY, ET AL	130.00
9)	DAVID M. TETRICK	20.00
10)	WACO OIL AND GAS CO. INC.	86.00
11)	EUGENE V. TETRICK, ET AL	8.00
12)	BERTA PEARL LAUGHLIN, ET AL	80.00
13)	BERTA PEARL LAUGHLIN	31.053
14)	BRENDA K. JOSEPH, ET AL	6.50
15)	WACO OIL AND GAS CO. INC., ET AL	91.49
16)	XTO ENERGY INC	68.16
17)	XTO ENERGY INC	2.452
18)	MICHAEL JOSEPH BOUFFIOUX	9.8175
19)	MICHAEL JOSEPH BOUFFIOUX	2.700

	SURFACE OWNER	TAX PARCEL
A	JEFFREY D. WEEKLY	11-53-29.1
B	JAMES C. WEEKLY, JR	11-57-11.4
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	DAVID M. TETRICK, ET UX	11-53-3.8
G	JAMES B. WEEKLY	11-53-29.2
H	MANDY A. INGLES, ET VIR	11-51-20.2
I	ROBERT D. WILFONG	11-51-20.1
J	LORAN K. LOWDERMILK, ET VIR	11-51-23.2
K	MARK S. MCINTIRE, ET UX	11-51-23.5
L	COLETTE A. MELTON	11-51-21.4
M	HOMER L. ISER, ET UX	11-51-18
N	WILLIAM L. MILLER JR., ET UX	11-51-15.6
O	WILLIAM G. DECKER, ET UX	11-51-15.7
P	WILLIAM G. DECKER, ET UX	11-51-15.9
Q	HOMER L. ISER, ET UX	11-51-17
R	COLLEEN DAY	11-51-25

State Plane Coordinate  
West Virginia North  
Top Hole Location  
NAD 27 Feet  
N: 351824.891  
E: 1770299.120

UTM Zone 17 (SPCS83) Meters  
N: 4368404.929  
E: 559065.408  
NAD 27  
N 39.4631110  
W 80.3135824

Landing Point Location  
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E: 558862.157  
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NAD 27  
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E: 561314.295  
NAD 27  
N 39.4339274  
W 80.2877381

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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 3H

Drawn By: JRV	Date: 11/15/18	LINCOLN DISTRICT MARION COUNTY, WEST VIRGINIA
Scale: 1" = 1500'	Sheet: SHEET 2 OF 2	File No.: JC2017-18
AFE # 1003382		

