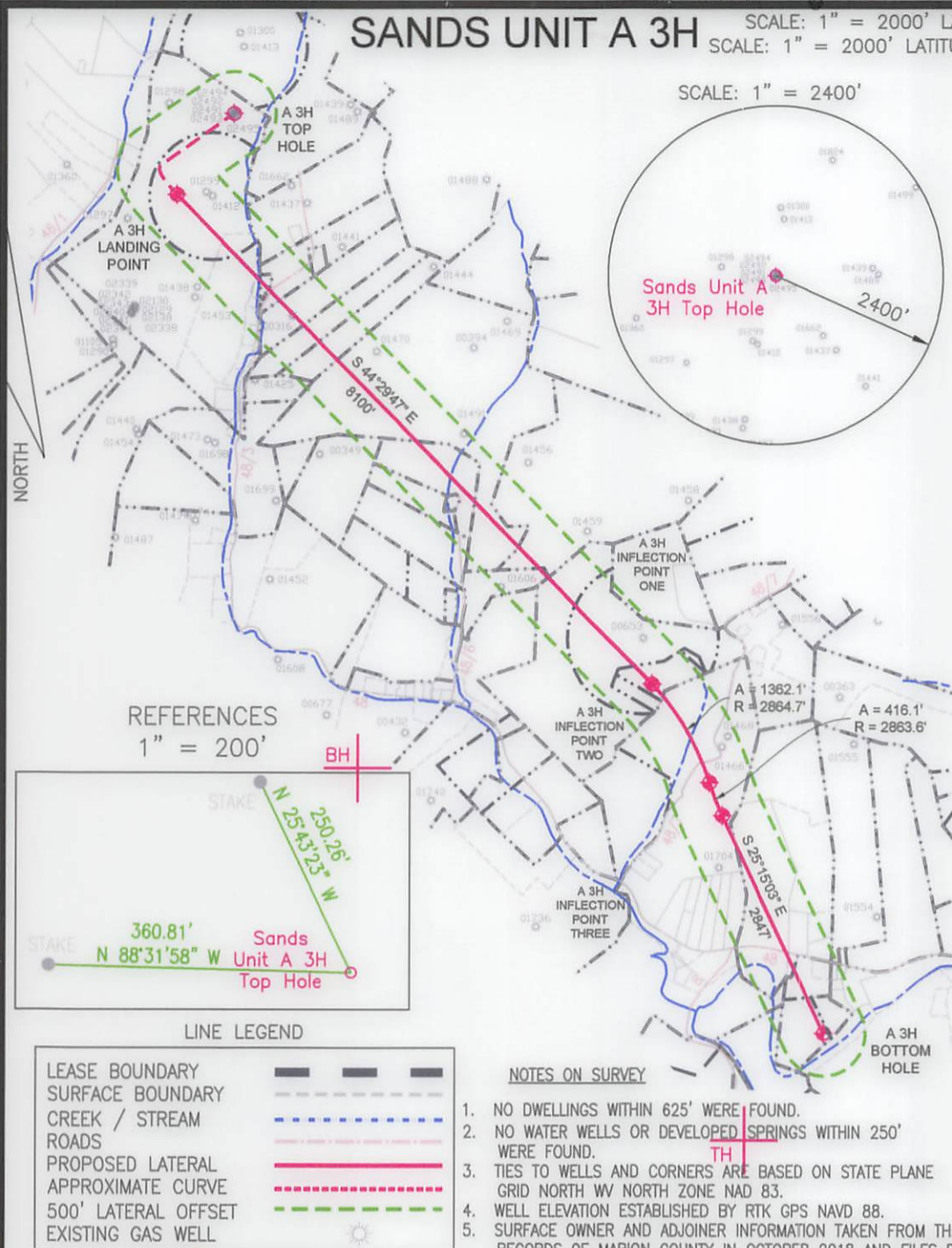


BOTTOM HOLE ← 10754' TOP HOLE ← 6133'

SANDS UNIT A 3H

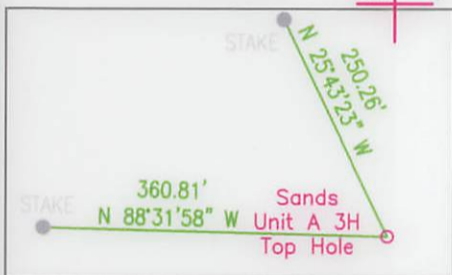
SCALE: 1" = 2000' LATITUDE: 39°30'00" (TOP HOLE)
SCALE: 1" = 2000' LATITUDE: 39°27'30" (BOTTOM HOLE)

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	4368404.929
E	559065.408
NAD 27	
N	39.4631110
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: 343932.106
	E: 1775985.420
UTM Zone 17 (SPCS83) Meters	
N	4366029.158
E	560837.904
NAD 27	
N	39.4415814
W	80.2931962
Inflection Point Three Location	
NAD 27 Feet	N: 343545.063
	E: 1776137.223
UTM Zone 17 (SPCS83) Meters	
N	4365912.011
E	560886.117
NAD 27	
N	39.4405225
W	80.2926466
Bottom Hole Location	
NAD 27 Feet	N: 340970.161
	E: 1777351.693
UTM Zone 17 (SPCS83) Meters	
N	4365133.697
E	561269.195
NAD 27	
N	39.4334826
W	80.2882667

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 WDEP AND SURVEYED LOCATIONS.



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

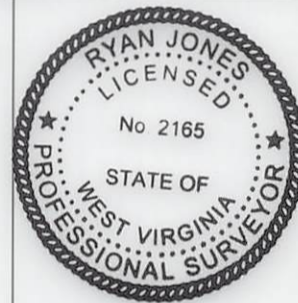
PROVEN SOURCE OF ELEVATION: RTK GPS

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: _____

R.P.E.: _____

P.S.: _____



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304



DATE: 7/22/2019

OPERATOR'S WELL #: SANDS UNIT A 3H

API WELL #: 47 049 02491M
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: 774.4±

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: 7,555' (TVD), 20,547' (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

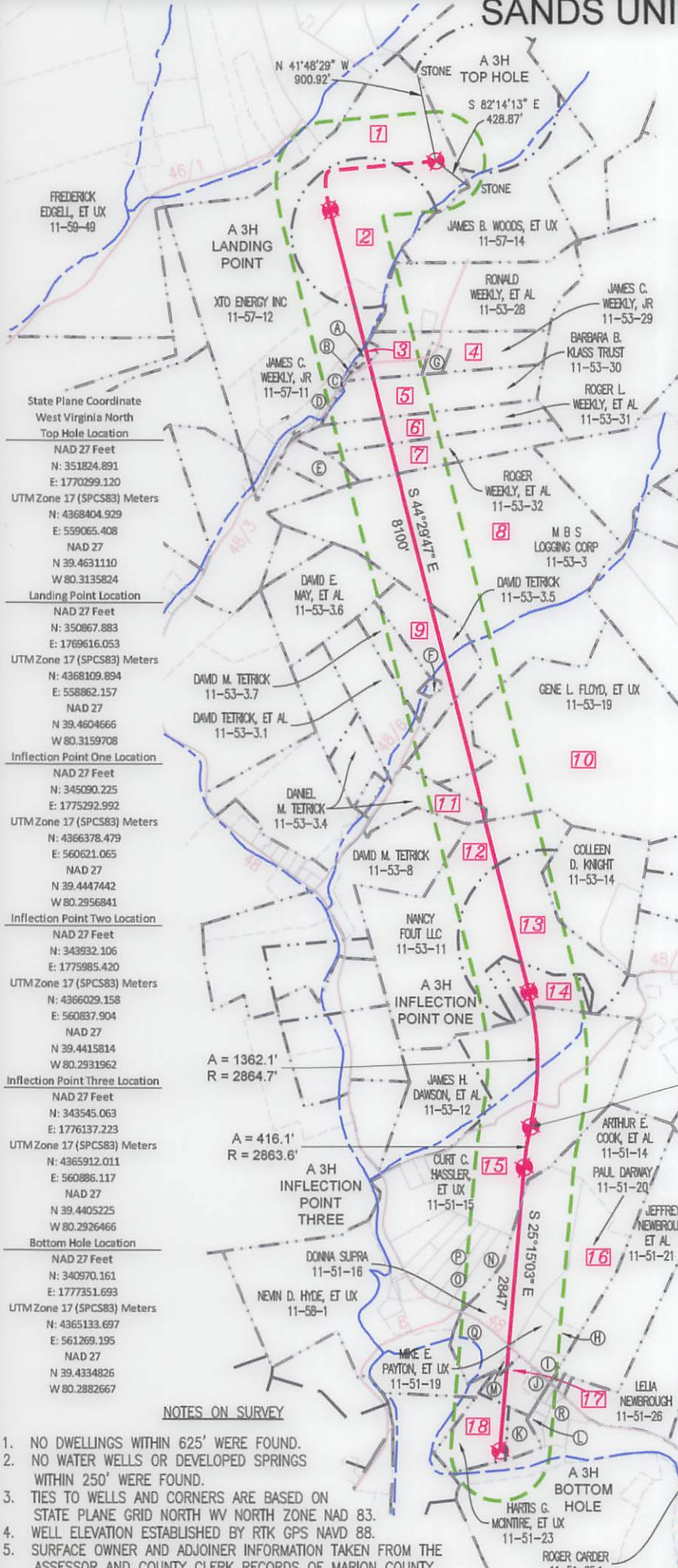
SANDS UNIT A 3H

LINE LEGEND

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

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 BOUFFIQUX	9.82

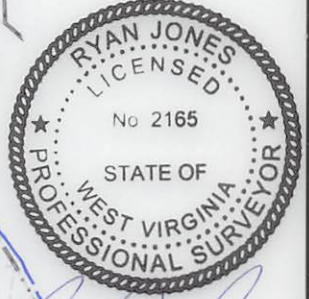
	SURFACE OWNER	TAX PARCEL
A	JEFFREY D. WEEKLY	11-53-29.1
B	JAMES C. WEEKLY, JR	11-57-11.4
C	VIRGINIA K. WEEKLY	11-57-11.2
D	JESSICA N. WEEKLY, ET VIR	11-57-11.5
E	ROGER L. WEEKLY	11-53-31.1
F	DAVID M. TETRICK, ET UX	11-53-3.8
G	JAMES B. WEEKLY	11-53-29.2
H	MANDY A. INGLES, ET VIR	11-51-20.2
I	ROBERT D. 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
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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

SANDS UNIT A 3H

Drawn By: JRV	Date: 7/22/19	LINCOLN DISTRICT MARION COUNTY, WEST VIRGINIA
Scale: 1" = 1500'	Sheet: SHEET 2 OF 2	File No.: JC2017-18
AFE # 1003382		



190 THORN HILL ROAD
WARRENDALE, PA 15086

