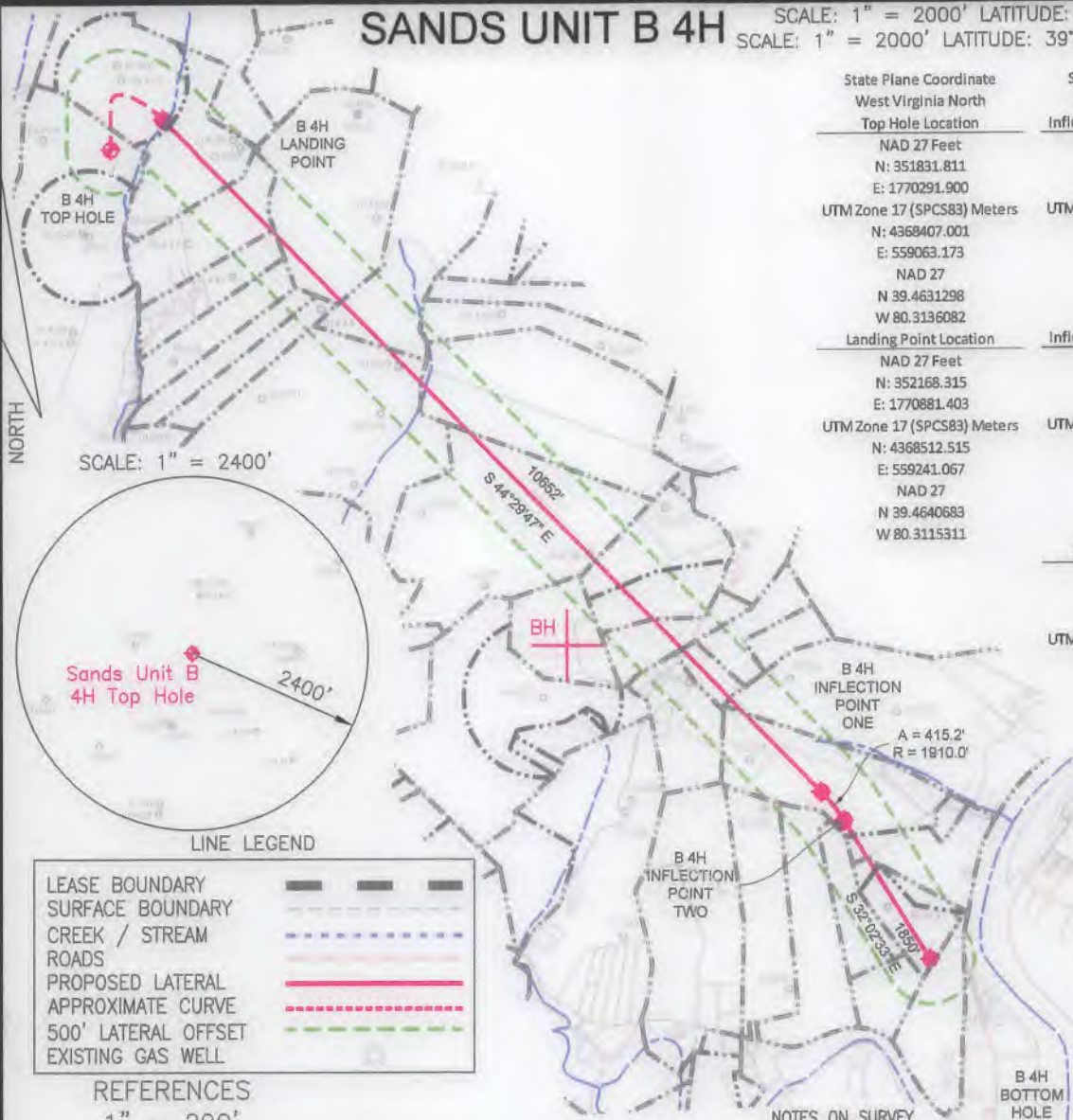


BOTTOM HOLE 8535' 6141' TOP HOLE

SANDS UNIT B 4H

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



State Plane Coordinate West Virginia North Top Hole Location	State Plane Coordinate West Virginia North Inflection Point One Location
NAD 27 Feet N: 351831.811 E: 1770291.900	NAD 27 Feet N: 344570.343 E: 1778346.922
UTM Zone 17 (SPCS83) Meters N: 4368407.001 E: 559063.173	UTM Zone 17 (SPCS83) Meters N: 4366235.598 E: 561554.140
NAD 27 N 39.4631298 W 80.3136082	NAD 27 N 39.4433906 W 80.2848547
Landing Point Location	Inflection Point Two Location
NAD 27 Feet N: 352168.315 E: 1770881.403	NAD 27 Feet N: 344245.040 E: 1778603.544
UTM Zone 17 (SPCS83) Meters N: 4368512.515 E: 559241.067	UTM Zone 17 (SPCS83) Meters N: 4366137.793 E: 561633.975
NAD 27 N 39.4640683 W 80.3115311	NAD 27 N 39.44250367 W 80.2839360
Bottom Hole Location	
NAD 27 Feet N: 342676.916 E: 1779585.045	
UTM Zone 17 (SPCS83) Meters N: 4365665.025 E: 561940.966	
NAD 27 N 39.4382219 W 80.2804126	

04/19/2019

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

7295'
13399'
BOTTOM HOLE

TOP HOLE

SCALE: 1" = 2400'



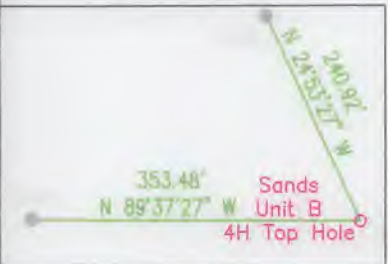
LINE LEGEND

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

REFERENCES
1" = 200'

NOTES ON SURVEY

1. NO DWELLINGS WITHIN 625' WERE FOUND. **TH**
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 #: JC2018-74
DRAWING #: SANDS UNIT B 4H 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: 4/1/2019
OPERATOR'S WELL #: SANDS UNIT B 4H
API WELL #: 47 049 02492
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: SHINNISTON 7.5'
ACREAGE: 105.34±
ACREAGE: 1007.6±

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: 7,524' (TVD), 20,950' (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 B 4H

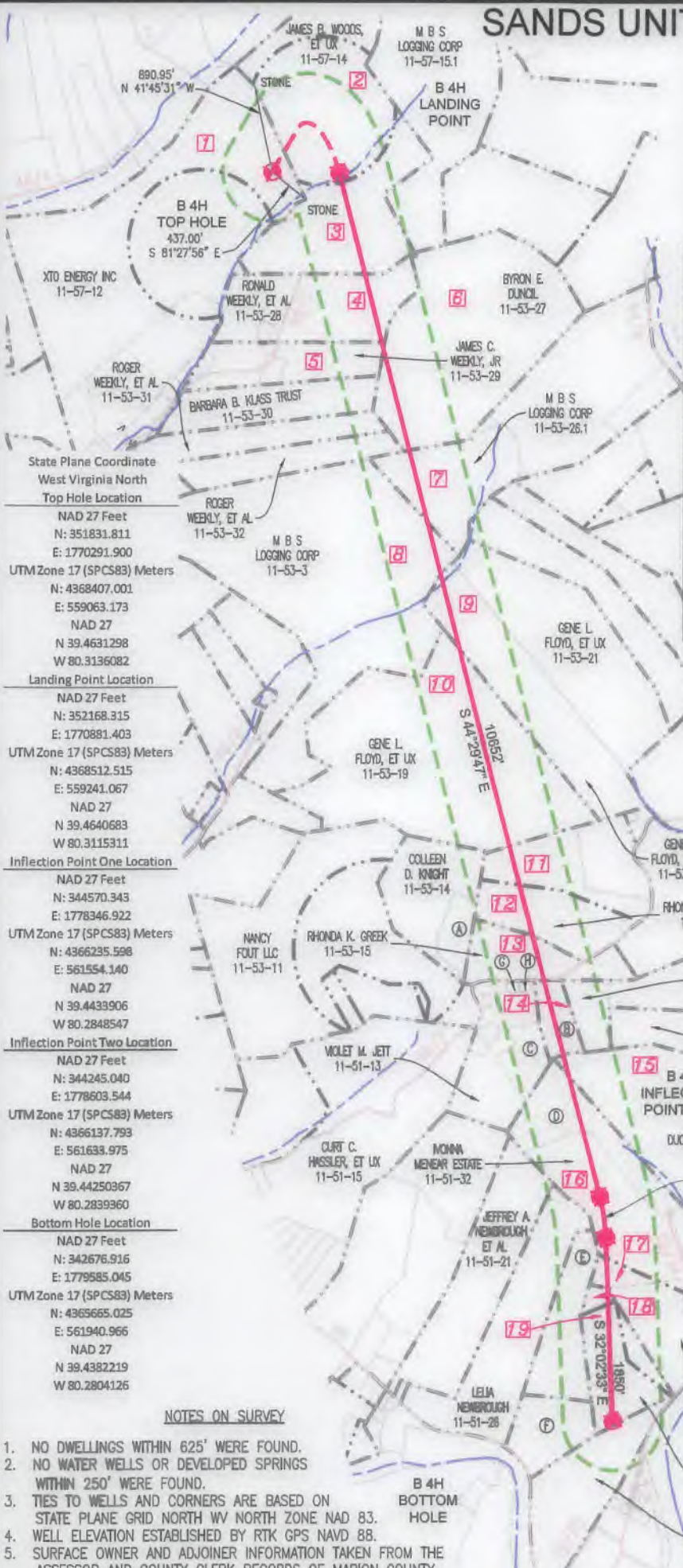
LINE LEGEND

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

04/19/2019

SANDS UNIT B 4H		
LEASE	LESSOR	MINERAL ACREAGE
1)	TRIO PETROLEUM CORP	138.05
2)	WACO OIL AND GAS CO. INC.	35.441
3)	WACO OIL AND GAS CO. INC.	85.25
4)	WILLIAM E. MOCKLER, ET AL	30.25
5)	JAMES C. WEEKLY, JR.	18.41
6)	SHARI J. SANDER	65.00
7)	BRUCE WILFONG, ET UX	68.25
8)	PATRICIA A. JUDY, ET AL	130.00
9)	A. M. HESS, ET UX	85.00
10)	WACO OIL AND GAS CO. INC.	86.00
11)	WACO OIL AND GAS CO. INC.	23.00
12)	RHONDA K. JOHNSTON GREEK	17.89375
13)	RHONDA K. JOHNSTON GREEK	15.54
14)	JOHN M. JETT, ET UX	7.12
15)	ULRIC LEDDY, ET AL	106.36
16)	J.P. SANDY, ET UX	78.000
17)	J.P. SANDY, ET UX	SAME AS 16
18)	J.P. SANDY, ET UX	SAME AS 16
19)	ALBERT W. FORD	18.00000

	SURFACE OWNER	TAX PARCEL
A	MISTI GODFREY	11-53-14.1
B	VIOLET M. JETT	11-51-11
C	VIOLET M. JETT	11-51-12
D	MARY A. EAVENSON	11-51-33
E	HERSCHEL H. WILFONG	11-51-27
F	BURTON E. MARTIN	11-51-28
G	VIOLET M. JETT	11-51-13.2
H	SUSAN E. JETT, ET AL	11-51-13.1



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West Virginia North
Top Hole Location
NAD 27 Feet
N: 351831.811
E: 1770291.900
UTM Zone 17 (SPCS83) Meters
N: 4368407.001
E: 559063.173
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N 39.4631298
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E: 1770881.403
UTM Zone 17 (SPCS83) Meters
N: 4368512.515
E: 559241.067
NAD 27
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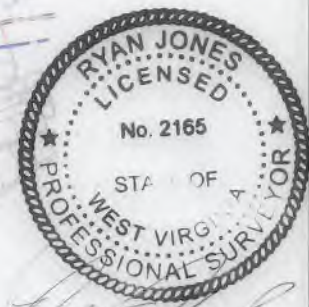
Inflection Point One Location
NAD 27 Feet
N: 344570.343
E: 1778346.922
UTM Zone 17 (SPCS83) Meters
N: 4366235.598
E: 561554.140
NAD 27
N 39.4433906
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UTM Zone 17 (SPCS83) Meters
N: 4365665.025
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JONES CONSULTANTS, LLC

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(724) 757 - 2417 www.jonesconsultant.com

SUPPLEMENTAL SURFACE AND LESSOR EXHIBIT

SANDS UNIT B 4H

Drawn By: JRV	Date: 4/1/19	LINCOLN DISTRICT MARION COUNTY, WEST VIRGINIA	
Scale: 1" = 1500'	Sheet: SHEET 2 OF 2	File No.:	JC2018-74



XTO ENERGY
190 THORN HILL ROAD
WARRENDALE, PA 15086

0' 1500'

