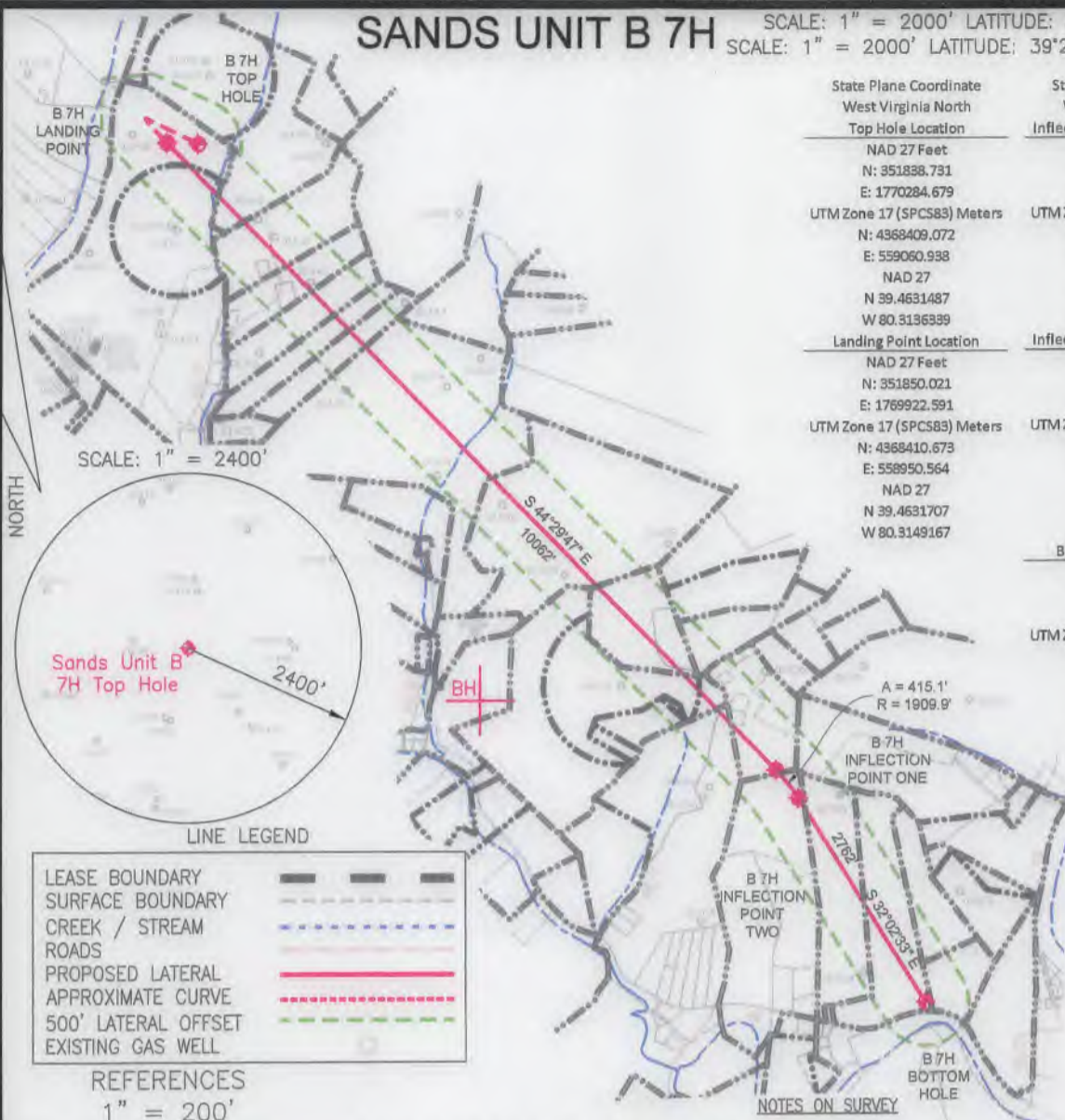


BOTTOM HOLE | TOP HOLE | 9418' | 6148'

SANDS UNIT B 7H

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



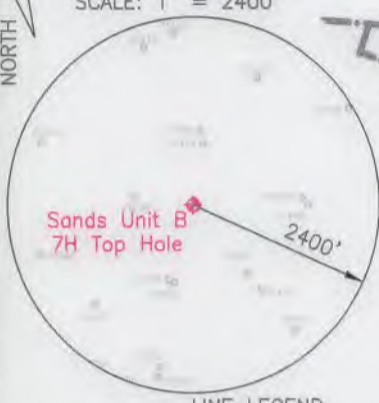
State Plane Coordinate West Virginia North		State Plane Coordinate West Virginia North	
Top Hole Location		Inflection Point One Location	
NAD 27 Feet		NAD 27 Feet	
N: 351838.731	E: 1770284.679	N: 344672.563	E: 1776974.928
UTM Zone 17 (SPCS83) Meters		UTM Zone 17 (SPCS83) Meters	
N: 4368409.072	E: 559060.938	N: 4366259.777	E: 561135.617
NAD 27		NAD 27	
N 39.4631487	W 80.3136339	N 39.4436382	W 80.2897157
Landing Point Location		Inflection Point Two Location	
NAD 27 Feet		NAD 27 Feet	
N: 351850.021	E: 1769922.591	N: 344347.280	E: 1777231.540
UTM Zone 17 (SPCS83) Meters		UTM Zone 17 (SPCS83) Meters	
N: 4368410.673	E: 558950.564	N: 4366161.975	E: 561215.450
NAD 27		NAD 27	
N 39.4631707	W 80.3149167	N 39.4427514	W 80.2887970
Bottom Hole Location		Bottom Hole Location	
NAD 27 Feet		NAD 27 Feet	
N: 342006.040	E: 1778696.936	N: 342006.040	E: 1778696.936
UTM Zone 17 (SPCS83) Meters		UTM Zone 17 (SPCS83) Meters	
N: 4365456.123	E: 561673.791	N: 4365456.123	E: 561673.791
NAD 27		NAD 27	
N 39.4363588	W 80.2835362	N 39.4363588	W 80.2835362

03/22/2019

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

7973' | 13392' | BOTTOM HOLE

TOP HOLE



LINE LEGEND

LEASE BOUNDARY	---
SURFACE BOUNDARY	- - - - -
CREEK / STREAM	~ ~ ~ ~ ~
ROADS	==
PROPOSED LATERAL	== (Red)
APPROXIMATE CURVE	- · - · -
500' LATERAL OFFSET	- · - · - (Green)
EXISTING GAS WELL	○

REFERENCES
1" = 200'

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 #: JC2017-26
 DRAWING #: SANDS UNIT B 7H 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: 11/14/2018
 OPERATOR'S WELL #: SANDS UNIT B 7H
 API WELL #: 47 049 02494
 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: 970.0±

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), 20,942' (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 B 7H

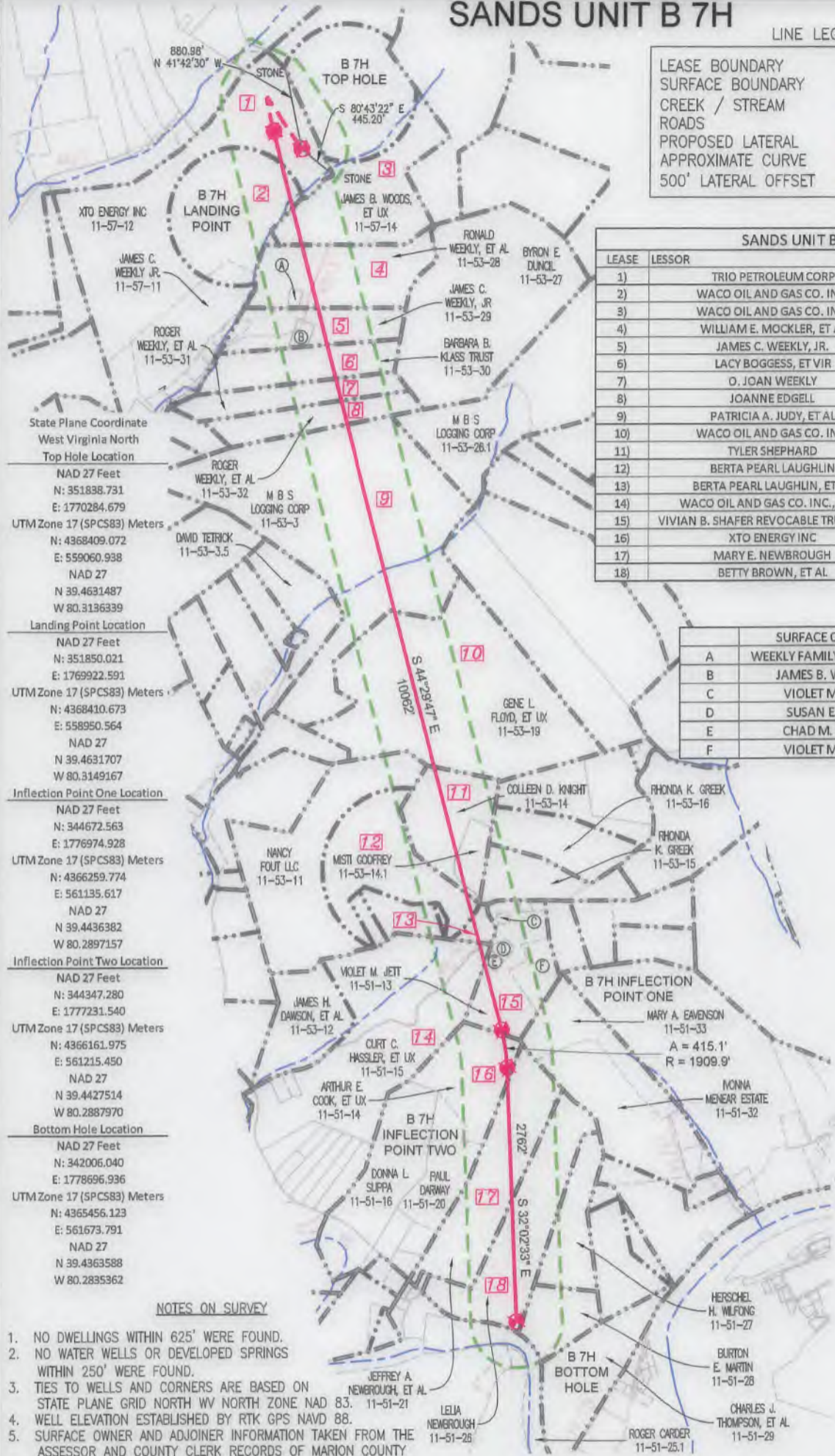
LINE LEGEND

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

03/22/2019

SANDS UNIT B 7H		
LEASE	LESSOR	MINERAL ACREAGE
1)	TRIO PETROLEUM CORP	138.05
2)	WACO OIL AND GAS CO. INC.	35.185
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)	LACY BOGGS, ET VIR	18.00
7)	O. JOAN WEEKLY	17.00
8)	JOANNE EDGELL	15.52
9)	PATRICIA A. JUDY, ET AL	130.00
10)	WACO OIL AND GAS CO. INC.	86.00
11)	TYLER SHEPHARD	25.00
12)	BERTA PEARL LAUGHLIN	31.053
13)	BERTA PEARL LAUGHLIN, ET AL	80.00
14)	WACO OIL AND GAS CO. INC., ET AL	91.49
15)	VIVIAN B. SHAFER REVOCABLE TRUST, ET AL	24.00
16)	XTO ENERGY INC	68.160
17)	MARY E. NEWBROUGH	38.096
18)	BETTY BROWN, ET AL	38.500

	SURFACE OWNER	TAX PARCEL
A	WEEKLY FAMILY CEMETERY	11-53-28.1
B	JAMES B. WEEKLY	11-53-29.2
C	VIOLET M. JETT	11-51-13.5
D	SUSAN E. JETT	11-51-13.4
E	CHAD M. LONG	11-51-13.3
F	VIOLET M. JETT	11-51-12



State Plane Coordinate
West Virginia North
Top Hole Location
NAD 27 Feet
N: 351838.731
E: 1770284.679

UTM Zone 17 (SPCS83) Meters
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E: 1778696.936

UTM Zone 17 (SPCS83) Meters
N: 4365456.123
E: 561673.791

NAD 27
N 39.4363588
W 80.2835362

NOTES ON SURVEY

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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 7H

Drawn By:	Date:	LINCOLN DISTRICT MARION COUNTY, WEST VIRGINIA	
JRV	11/14/18		
Scale:	1" = 1500'	Sheet:	File No.:
AFE #	1004836	SHEET 2 OF 2	JC2017-26

