

BOTTOM HOLE | TOP HOLE | 8029' | 6126'

CRANDS UNIT 6H AS-DRILLED

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

SCALE: 1" = 100'

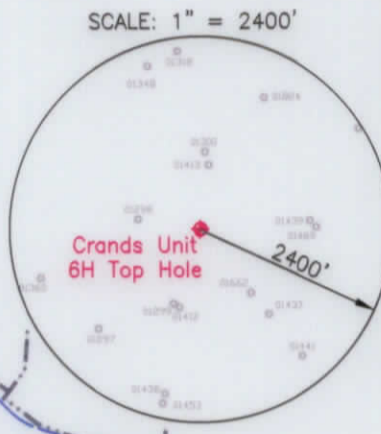
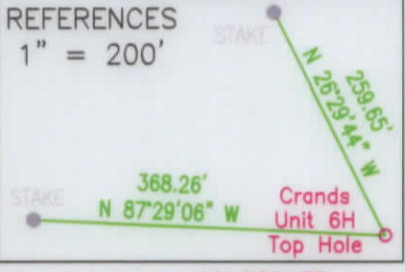
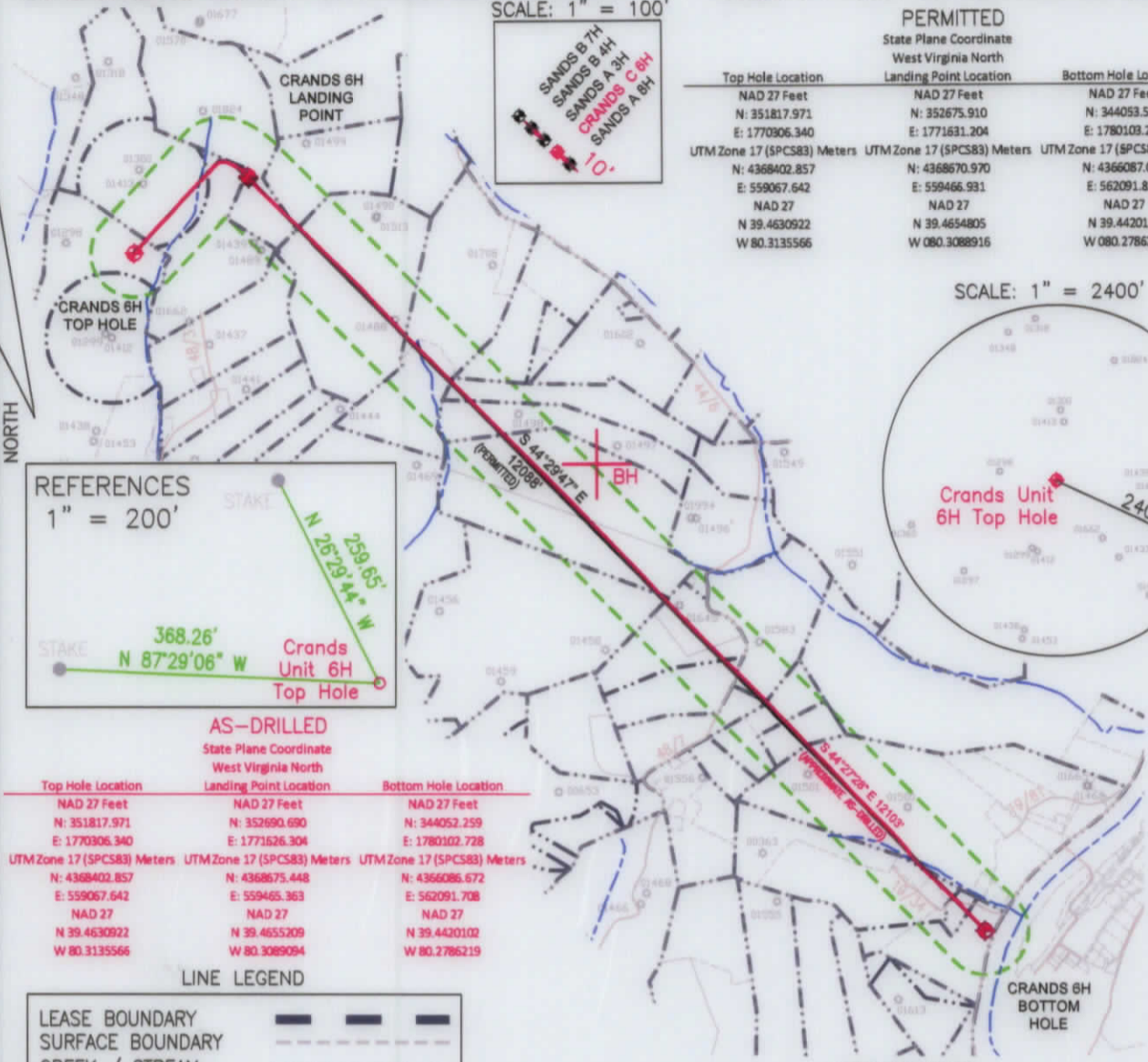


PERMITTED

State Plane Coordinate
 West Virginia North

Top Hole Location	Landing Point Location	Bottom Hole Location
NAD 27 Feet N: 351817.971 E: 1770306.340	NAD 27 Feet N: 352675.910 E: 1771631.204	NAD 27 Feet N: 344053.579 E: 1780103.228
UTM Zone 17 (SPCS83) Meters N: 4368402.857 E: 559067.642 NAD 27 N 39.4630922 W 80.3135566	UTM Zone 17 (SPCS83) Meters N: 4366870.970 E: 559466.931 NAD 27 N 39.4654805 W 80.3088916	UTM Zone 17 (SPCS83) Meters N: 4366087.077 E: 562091.854 NAD 27 N 39.4420138 W 80.2786202

5915'
 13413'
 1" = 2000' LONGITUDE: 80°17'30" (TOP HOLE)
 1" = 2000' LONGITUDE: 80°15'00" (BOTTOM HOLE)
 SCALE: 1" = 1'



AS-DRILLED
 State Plane Coordinate
 West Virginia North

Top Hole Location	Landing Point Location	Bottom Hole Location
NAD 27 Feet N: 351817.971 E: 1770306.340	NAD 27 Feet N: 352690.690 E: 1771626.304	NAD 27 Feet N: 344052.259 E: 1780102.728
UTM Zone 17 (SPCS83) Meters N: 4368402.857 E: 559067.642 NAD 27 N 39.4630922 W 80.3135566	UTM Zone 17 (SPCS83) Meters N: 4368675.448 E: 559465.363 NAD 27 N 39.4655209 W 80.3089094	UTM Zone 17 (SPCS83) Meters N: 4366086.672 E: 562091.708 NAD 27 N 39.4420102 W 80.2786219

LINE LEGEND

LEASE BOUNDARY	---
SURFACE BOUNDARY	- - - -
CREEK / STREAM	~ ~ ~ ~
ROADS	— · — ·
PROPOSED LATERAL	—
APPROXIMATE CURVE	- · - · - ·
AS-DRILLED LATERAL	—
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 AUGUST 2021 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.



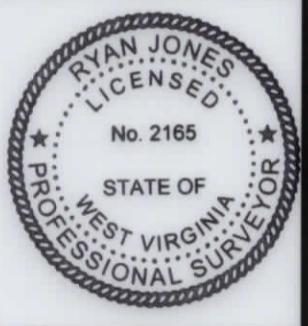
2402 PENNSYLVANIA 66 DELMONT, PA 15626
 (724) 757 - 2417 www.jonesconsultant.com

SHEET 1 OF 2

FILE #: JC2018-79
 DRAWING #: CRANDS 6H AS-DRILLED
 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: 8/5/2021
 OPERATOR'S WELL #: CRANDS UNIT 6H
 API WELL #: 47 049 02493
 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: 1,230' (EXISTING GRADE)
 QUADRANGLE: SHINNSTON 7.5'
 ACREAGE: 105.34±
 ACREAGE: 1018.7±

01/21/2022

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: 7,586' (TVD), 19,967' (TMD) AS-DRILLED
 DESIGNATED AGENT: GARY BEALL
 Address: P.O. BOX 1008
 City: JANE LEW State: WV Zip Code: 26378

CRANDS UNIT 6H AS-DRILLED

PERMITTED

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NAD 27	NAD 27	NAD 27
N 39.4630922	N 39.4654805	N 39.4420138
W 80.3135566	W 80.3088916	W 80.2786202

CRANDS UNIT 6H		
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)	SHIRLEY A. MEADE, ET AL	74.81
5)	MARION JOSEPH, ET AL	30.112
6)	SHARI J. SANDER	65.00
7)	BRUCE WILFONG, ET UX	68.25
8)	WACO OIL AND GAS CO. INC.	22.00
9)	WACO OIL AND GAS CO. INC.	21.85
10)	A. M. HESS, ET UX	85.00
11)	WACO OIL AND GAS CO. INC.	86.00
12)	WACO OIL AND GAS CO. INC.	23.00
13)	RHONDA K. JOHNSTON GREEK	17.89375
14)	WACO OIL AND GAS CO. INC.	45.00
15)	RHONDA K. JOHNSTON GREEK	15.54
16)	VIVIAN B. SCHAFER REVOCABLE TRUST	13.48125
17)	XTO ENERGY INC.	7.70
18)	ULRIC LEDDY, ET AL	106.36
19)	J.P. SANDY, ET UX	78.00
20)	J.P. SANDY, ET UX	SAME AS 18
21)	J.P. SANDY, ET UX	SAME AS 18

	SURFACE OWNER	TAX PARCEL
A	FRANK ROTA, ET UX	11-51-32.2
B	LINDA F. HALL, ET AL	11-51-32.3
C	MARY A. EAVENSON	11-51-32.1
D	PAUL D. MARKLEY, ET UX	11-51-34.1
E	PAUL D. MARKLEY	11-51-34
F	BRIAN D. WRIGHT	11-51-35
G	ROGER E. DUCKWORTH, ET UX	11-51-31.1
H	HARLEY D. SWIGER, JR., ET UX	11-51-31

LINE LEGEND

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

AS-DRILLED

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JONES CONSULTANTS, LLC

SURVEYING • MAPPING • LAND • GAS WELL • PIPELINE

2402 PENNSYLVANIA 66 DELMONT, PA 15122

(724) 757 - 2417

www.jonesconsultant.com

01/21/2022

SUPPLEMENTAL
SURFACE AND LESSOR EXHIBIT

CRANDS UNIT 6H

Drawn By:	Date:	LINCOLN DISTRICT
JRV	8/5/21	MARION COUNTY, WEST VIRGINIA
Scale:	1" = 1500'	Sheet:
AFE #	1004835	File No.:
		SHEET 2 OF 2
		JC2018-79

XTO ENERGY

190 THORN HILL ROAD
WARRENDALE, PA 15086

0' 1500'

