

BOTTOM HOLE 6324' TOP HOLE 2921'

# CRIM SOUTH UNIT 10H

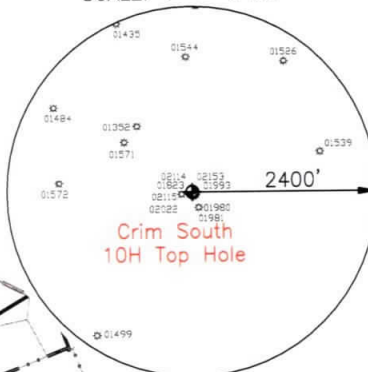
SCALE: 1" = 2000' LATITUDE: 39°30'00" (TOP HOLE)  
 SCALE: 1" = 2000' LATITUDE: 39°27'30" (BOTTOM HOLE)

PERMITTED

State Plane Coordinate  
 West Virginia North

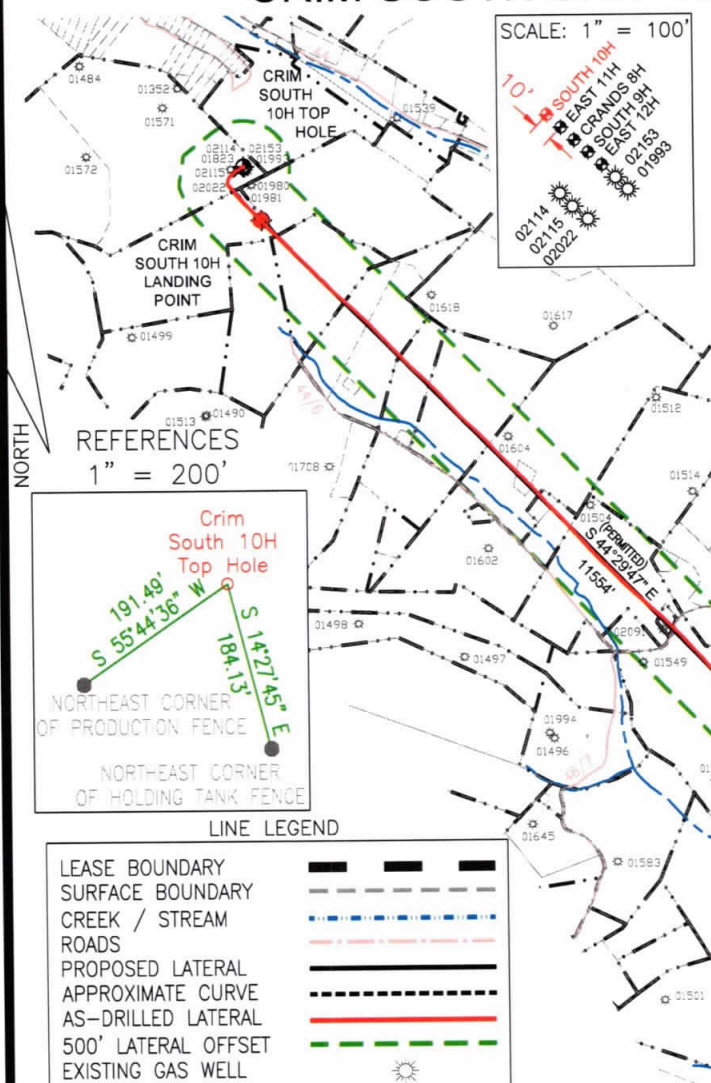
Top Hole Location	Landing Point Location	Bottom Hole Location
NAD 27 Feet	NAD 27 Feet	NAD 27 Feet
N: 354921.201	N: 354338.277	N: 346096.509
E: 1773538.932	E: 1773726.386	E: 1781824.479
UTM Zone 17 (SPCS83) Meters	UTM Zone 17 (SPCS83) Meters	UTM Zone 17 (SPCS83) Meters
N: 4369364.719	N: 4369188.075	N: 4366718.226
E: 560036.756	E: 560096.827	E: 562605.898
NAD 27	NAD 27	NAD 27
N 39.4716918	N 39.4700960	N 39.4476634
W 80.3022057	W 80.3015233	W 80.2725880

SCALE: 1" = 2400'

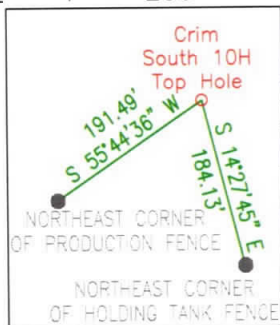


SCALE: 1" = 2000' LONGITUDE: 80°17'30" (TOP HOLE)  
 SCALE: 1" = 2000' LONGITUDE: 80°15'00" (BOTTOM HOLE)  
 SCALE: 1" = 2000'

3856'  
 10280'  
 TOP HOLE



REFERENCES  
 1" = 200'



LINE LEGEND

LEASE BOUNDARY	---
SURFACE BOUNDARY	----
CREEK / STREAM	~~~~~
ROADS	— · — · — ·
PROPOSED LATERAL	— · — · — ·
APPROXIMATE CURVE	— · — · — ·
AS-DRILLED LATERAL	— · — · — ·
500' LATERAL OFFSET	— · — · — ·
EXISTING GAS WELL	☀

AS-DRILLED

State Plane Coordinate

West Virginia North

Top Hole Location	Landing Point Location	Bottom Hole Location
NAD 27 Feet	NAD 27 Feet	NAD 27 Feet
N: 354921.201	N: 354338.510	N: 346203.490
E: 1773538.932	E: 1773717.300	E: 1781755.738
UTM Zone 17 (SPCS83) Meters	UTM Zone 17 (SPCS83) Meters	UTM Zone 17 (SPCS83) Meters
N: 4369364.719	N: 4369188.100	N: 4366750.470
E: 560036.756	E: 560094.058	E: 562584.412
NAD 27	NAD 27	NAD 27
N 39.4716918	N 39.4700964	N 39.4479555
W 80.3022057	W 80.3015555	W 80.2728347

- NO DWELLINGS WITHIN 625' WERE FOUND.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' WERE FOUND.
- TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD 83.
- WELL ELEVATION ESTABLISHED BY RTK GPS NAVD 88.
- SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MARION COUNTY IN APRIL 2020 AND FILES PROVIDED BY XTO ENERGY INC.
- WELLS SHOWN ARE TAKEN FROM RECORDS OF WVDEP AND SURVEYED LOCATIONS OF WELLS WITHIN 500' OF WELL BORE.

(724) 757 - 2417

**JONES**  
 CONSULTANTS

2402 PENNSYLVANIA 66 DELMONT, PA 15626 www.jonesconsultant.com

SHEET 1 OF 2

FILE #: JC2017-17  
 DRAWING #: CRIM SOUTH 10H 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: Ryan Jones  
 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: 4/7/2020  
 OPERATOR'S WELL #: CRIM SOUTH UNIT 10H  
 API WELL #: 47 049 02489  
 STATE COUNTY PERMIT

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

WATERSHED: LOWER WEST FORK RIVER (0502000206) ELEVATION: 1,221' (EXISTING FINISH GRADE)  
 COUNTY/DISTRICT: MARION / LINCOLN QUADRANGLE: SHINNSTON 7.5'  
 SURFACE OWNER: ROCHESTER & PITTSBURGH COAL COMPANY ACREAGE: 55±  
 OIL & GAS ROYALTY OWNER: LOUIS A. FERRARI, ET UX ACREAGE: 672.6±

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: 7,615' (TVD), 19,237' (TMD) (AS-DRILLED)  
 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

# CRIM SOUTH UNIT 10H

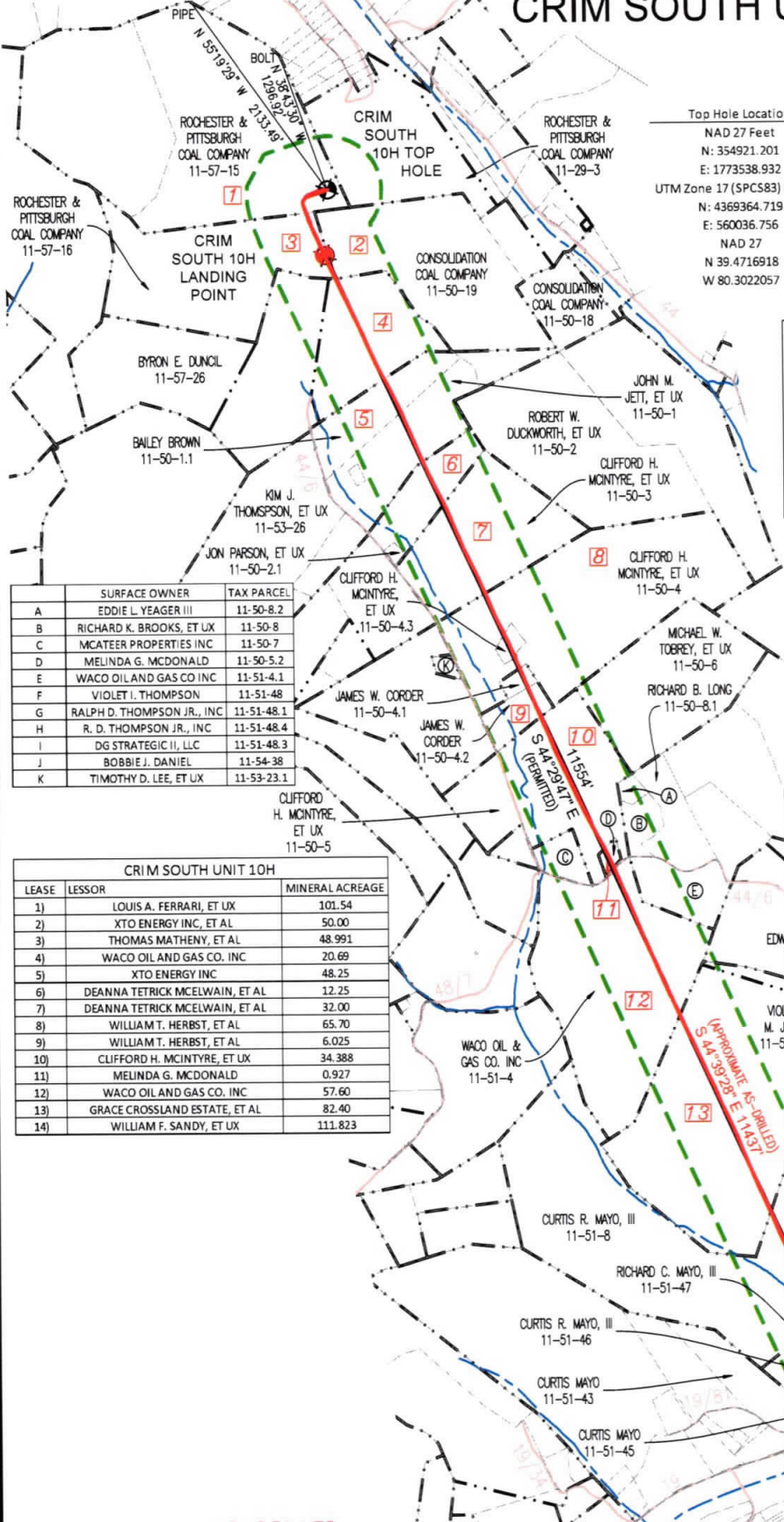
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### LINE LEGEND

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



	SURFACE OWNER	TAX PARCEL
A	EDDIE L. YEAGER III	11-50-8.2
B	RICHARD K. BROOKS, ET UX	11-50-8
C	MCATEER PROPERTIES INC	11-50-7
D	MELINDA G. McDONALD	11-50-5.2
E	WACO OIL AND GAS CO INC	11-51-4.1
F	VIOLET I. THOMPSON	11-51-48
G	RALPH D. THOMPSON JR., INC	11-51-48.1
H	R. D. THOMPSON JR., INC	11-51-48.4
I	DG STRATEGIC II, LLC	11-51-48.3
J	BOBBIE J. DANIEL	11-54-38
K	TIMOTHY D. LEE, ET UX	11-53-23.1

CRIM SOUTH UNIT 10H		
LEASE	LESSOR	MINERAL ACREAGE
1)	LOUIS A. FERRARI, ET UX	101.54
2)	XTO ENERGY INC, ET AL	50.00
3)	THOMAS MATHENY, ET AL	48.991
4)	WACO OIL AND GAS CO. INC	20.69
5)	XTO ENERGY INC	48.25
6)	DEANNA TETRICK MCELWAIN, ET AL	12.25
7)	DEANNA TETRICK MCELWAIN, ET AL	32.00
8)	WILLIAM T. HERBST, ET AL	65.70
9)	WILLIAM T. HERBST, ET AL	6.025
10)	CLIFFORD H. MCINTYRE, ET UX	34.388
11)	MELINDA G. McDONALD	0.927
12)	WACO OIL AND GAS CO. INC	57.60
13)	GRACE CROSSLAND ESTATE, ET AL	82.40
14)	WILLIAM F. SANDY, ET UX	111.823

### NOTES ON SURVEY

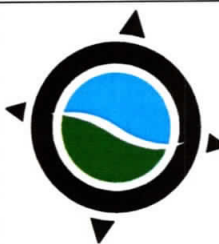
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## JONES CONSULTANTS, LLC

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SURVEYING • MAPPING • LAND • GAS WELL • PIPELINE  
2402 PENNSYLVANIA 66 DELMONT, PA 15626  
(724) 757 - 2417 www.jonesconsultant.com



### SUPPLEMENTAL SURFACE AND LESSOR EXHIBIT

### CRIM SOUTH UNIT 10H

Drawn By: JRV	Date: 4/7/2020	LINCOLN DISTRICT MARION COUNTY, WEST VIRGINIA
Scale: 1" = 1500'	Sheet: SHEET 2 OF 2	File No.: JC2017-17