

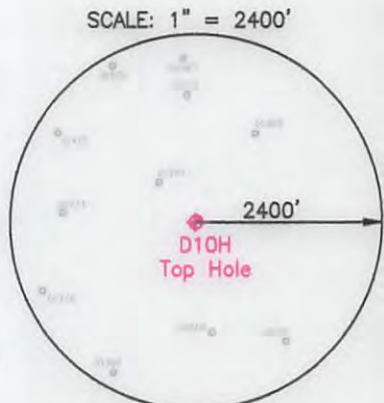
# WORTHINGTON D 10H

LATITUDE: 39°30'00"  
SCALE: 1" = 2000'

**State Plane Coordinate**  
West Virginia North  
**Top Hole Location**  
NAD 27 Feet  
N: 359384.670  
E: 1768046.846  
UTM Zone 17 (SPCS83) Meters  
N: 4370696.682  
E: 558340.831  
NAD 27  
N 39.4838096  
W 080.3218042

**Landing Point Location**  
NAD 27 Feet  
N: 359936.698  
E: 1766054.232  
UTM Zone 17 (SPCS83) Meters  
N: 4370854.743  
E: 557730.943  
NAD 27  
N 39.4852749  
W 080.3288816

**Bottom Hole Location**  
NAD 27 Feet  
N: 350672.977  
E: 1766346.651  
UTM Zone 17 (SPCS83) Meters  
N: 4368033.908  
E: 557867.066  
NAD 27  
N 39.4598494  
W 080.3275433



SCALE: 1" = 2000'  
LONGITUDE: 80°17'30"

NORTH

**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 MAY 2016 AND FILES PROVIDED BY XTO ENERGY, INC.
6. WELLS SHOWN ARE TAKEN FROM RECORDS OF WVDEP.



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

SHEET 1 OF 2

FILE #: JC2016-38  
DRAWING #: WORTHINGTON D 10H 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.: 2165



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



DATE: 09/6/2016  
OPERATOR'S WELL #: WORTHINGTON D 10H  
API WELL #: 47 049 02420 HGA  
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: RADDISH, ET AL

ELEVATION: 1.194' (PROPOSED PAD FINISH GRADE)  
QUADRANGLE: SHINNSTON 7.5'  
ACREAGE: 104.40±  
ACREAGE: 626±

03/03/2017

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: 7.550' (TVD). 18.067' (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



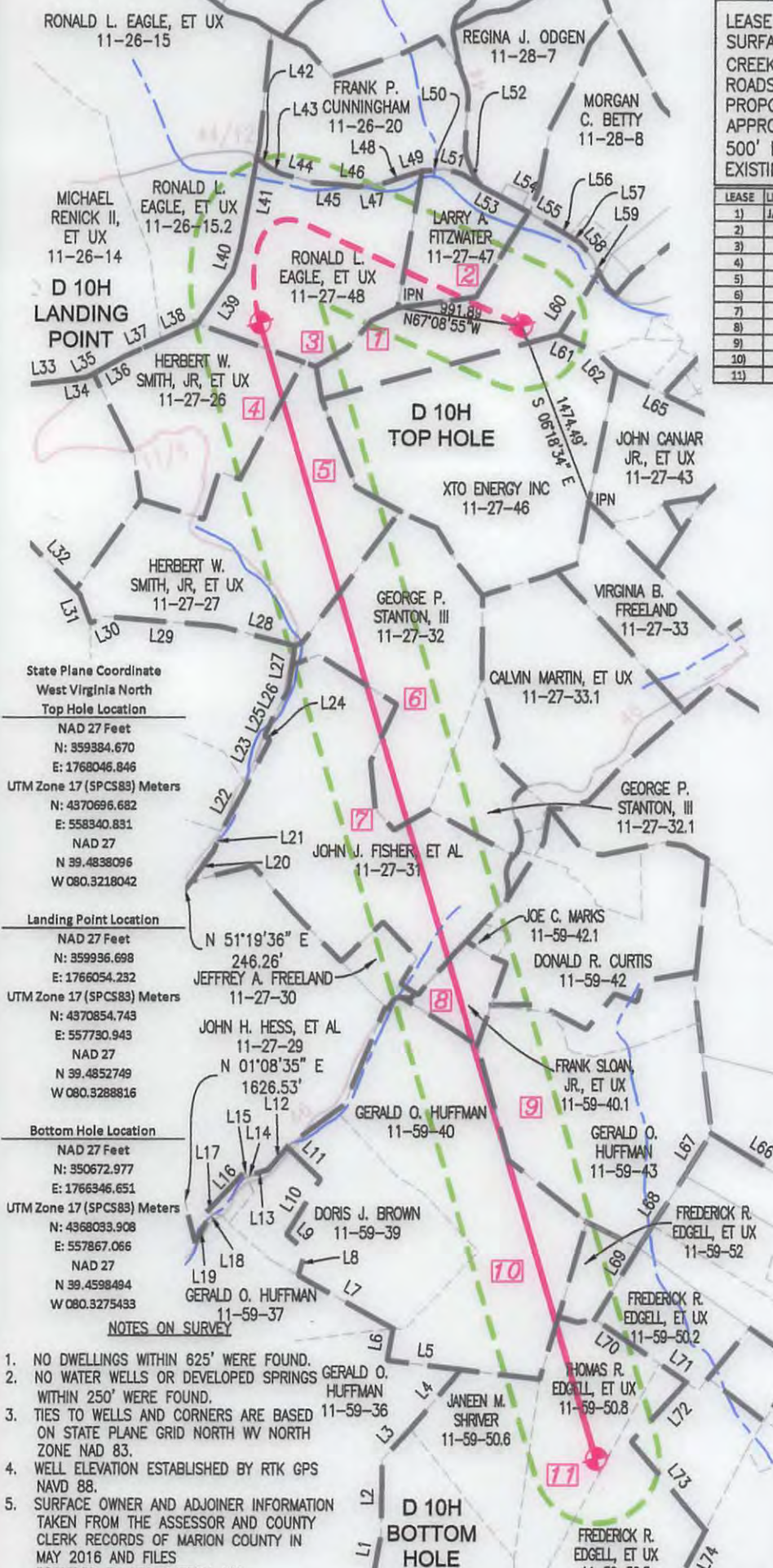
# WORTHINGTON D 10H

## LINE LEGEND

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

LEASE	LESSOR	MINERAL ACREAGE
1)	JAMES RUDOLPH HEATER LIVING TRUST, ET AL	19.658
2)	CAROLYN R. GROVER, ET AL	39.7175
3)	CAROLYN R. GROVER, ET AL	39.17
4)	GAYLE D JUSTICE, ET AL	34.60
5)	EXPLORATION PARTNERS, LLC, ET AL	64.55
6)	AMANDA M. HESS, ET AL	51.250
7)	AMANDA M. HESS, ET AL	67.500
8)	FREDERICK R. EDGELL, ET AL	7.500
9)	RONALD D. MARTIN, ET AL	66.500
10)	HARRY G. MOORHEAD, ET AL	94.000
11)	ROY W. EDGELL, ET AL	140.51825

LINE	BEARING	DISTANCE
L1	N 25°42'19" E	297.24'
L2	N 15°17'19" E	576.77'
L3	N 57°44'30" E	327.01'
L4	N 55°22'01" E	612.14'
L5	N 67°55'00" W	588.94'
L6	N 25°20'00" E	254.26'
L7	N 46°10'00" W	858.00'
L8	N 31°50'00" E	198.00'
L9	N 34°10'00" W	198.00'
L10	N 46°50'00" E	507.37'
L11	N 31°40'00" W	363.00'
L12	S 55°29'50" W	230.62'
L13	S 86°18'50" W	140.59'
L14	S 65°57'07" W	34.01'
L15	N 06°48'02" W	57.23'
L16	S 58°37'17" W	434.63'
L17	S 61°04'14" E	62.10'
L18	S 69°08'27" W	67.69'
L19	S 43°21'48" W	214.27'
L20	N 51°19'36" E	297.00'
L21	N 36°19'36" E	169.82'
L22	N 44°07'43" E	414.91'
L23	N 42°15'59" W	396.00'
L24	N 37°14'01" W	49.50'
L25	N 39°45'59" E	173.25'
L26	N 43°45'59" E	231.00'
L27	N 23°51'39" E	347.23'
L28	N 60°44'01" W	610.50'
L29	N 70°14'01" W	915.75'
L30	S 79°45'59" W	123.75'
L31	N 05°38'19" W	245.19'
L32	N 29°42'46" W	695.63'
L33	S 80°12'28" E	155.23'
L34	S 83°09'03" E	290.40'
L35	N 78°50'57" E	61.88'
L36	N 75°50'57" E	276.37'
L37	N 80°50'57" E	316.36'
L38	N 80°50'57" E	315.26'
L39	N 49°30'41" E	488.38'
L40	N 31°50'57" E	191.40'
L41	N 25°23'40" E	721.15'
L42	S 37°24'42" E	130.88'
L43	S 47°16'08" E	97.06'
L44	S 60°40'07" E	279.70'
L45	S 70°34'09" E	221.16'
L46	S 68°28'13" E	122.05'
L47	S 83°23'12" E	215.22'
L48	N 86°38'44" E	201.34'
L49	N 88°07'14" E	104.75'
L50	S 79°48'48" E	183.84'
L51	S 59°47'54" E	134.63'
L52	S 42°58'14" E	187.94'
L53	S 47°11'55" E	190.44'
L54	S 46°02'10" E	228.15'
L55	S 45°17'39" E	251.08'
L56	S 45°35'12" E	118.87'
L57	S 44°15'59" E	90.78'
L58	S 25°31'01" E	172.89'
L59	S 11°01'06" E	108.13'
L60	S 47°05'47" W	588.30'
L61	S 50°09'16" E	341.44'
L62	S 31°05'10" E	199.86'
L63	S 49°23'58" E	837.70'
L64	N 43°23'36" W	803.12'
L65	S 47°26'29" W	391.86'
L66	S 48°03'09" W	869.10'
L67	S 46°27'10" W	849.25'
L68	S 40°32'57" E	616.14'
L69	S 40°32'57" E	257.82'
L70	S 57°48'51" W	635.39'
L71	S 25°46'05" E	903.06'
L72	S 42°17'11" W	1374.73'



**State Plane Coordinate  
West Virginia North  
Top Hole Location**

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E: 1768046.846

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## JONES CONSULTANTS, LLC

SURVEYING • MAPPING • LAND • GAS WELL • PIPELINE  
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(724) 757 - 2417      www.jonesconsultants.com

05/03/2017

### SUPPLEMENTAL SURFACE AND LESSOR EXHIBIT

#### WORTHINGTON D 10H

Drawn By: JRV	Date: 09/6/16	LINCOLN DISTRICT MARION COUNTY, WEST VIRGINIA
Scale: 1" = 1200'	Sheet: SHEET 2 OF 2	File No.: JC2016-38
AFE # 1600261		

**XTO ENERGY**  
190 THORN HILL ROAD  
WARRENDALE, PA 15086

0'      1200'

