

WORTHINGTON D 10H

LATITUDE: 39°30'00"
SCALE: 1" = 2000'

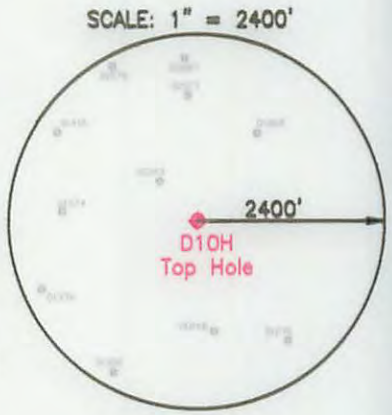
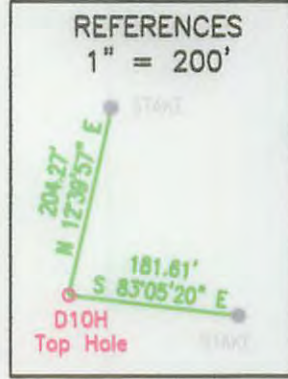
State Plane Coordinate
West Virginia North
Top Hole Location
NAD 27 Feet
N: 359384.670
E: 1768046.846
UTM Zone 17 (SPCS83) Meters
N: 4370696.682
E: 558340.831
NAD 27
N 39.4838096
W 080.3218042

Landing Point Location
NAD 27 Feet
N: 359235.813
E: 1768076.359
UTM Zone 17 (SPCS83) Meters
N: 4370641.321
E: 557741.243
NAD 27
N 39.4833512
W 080.3287803

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

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 825' 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: 04/19/2017
OPERATOR'S WELL #: WORTHINGTON D 10H
API WELL #: 47 049 02420 MoD
STATE COUNTY PERMIT

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

WATERSHED: LOWER WEST FORK RIVER (0502000206) ELEVATION: 1,194' (PROPOSED PAD FINISH GRADE)
COUNTY/DISTRICT: MARION / LINCOLN QUADRANGLE: SHINNSTON 7.5'
SURFACE OWNER: XTO ENERGY INC ACREAGE: 104.40±
OIL & GAS ROYALTY OWNER: RADDISH, ET AL ACREAGE: 585±

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: 7,750' (TVD), 17,428' (TMD)

WELL OPERATOR: XTO ENERGY INC. DESIGNATED AGENT: GARY REALL
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

05/19/2017

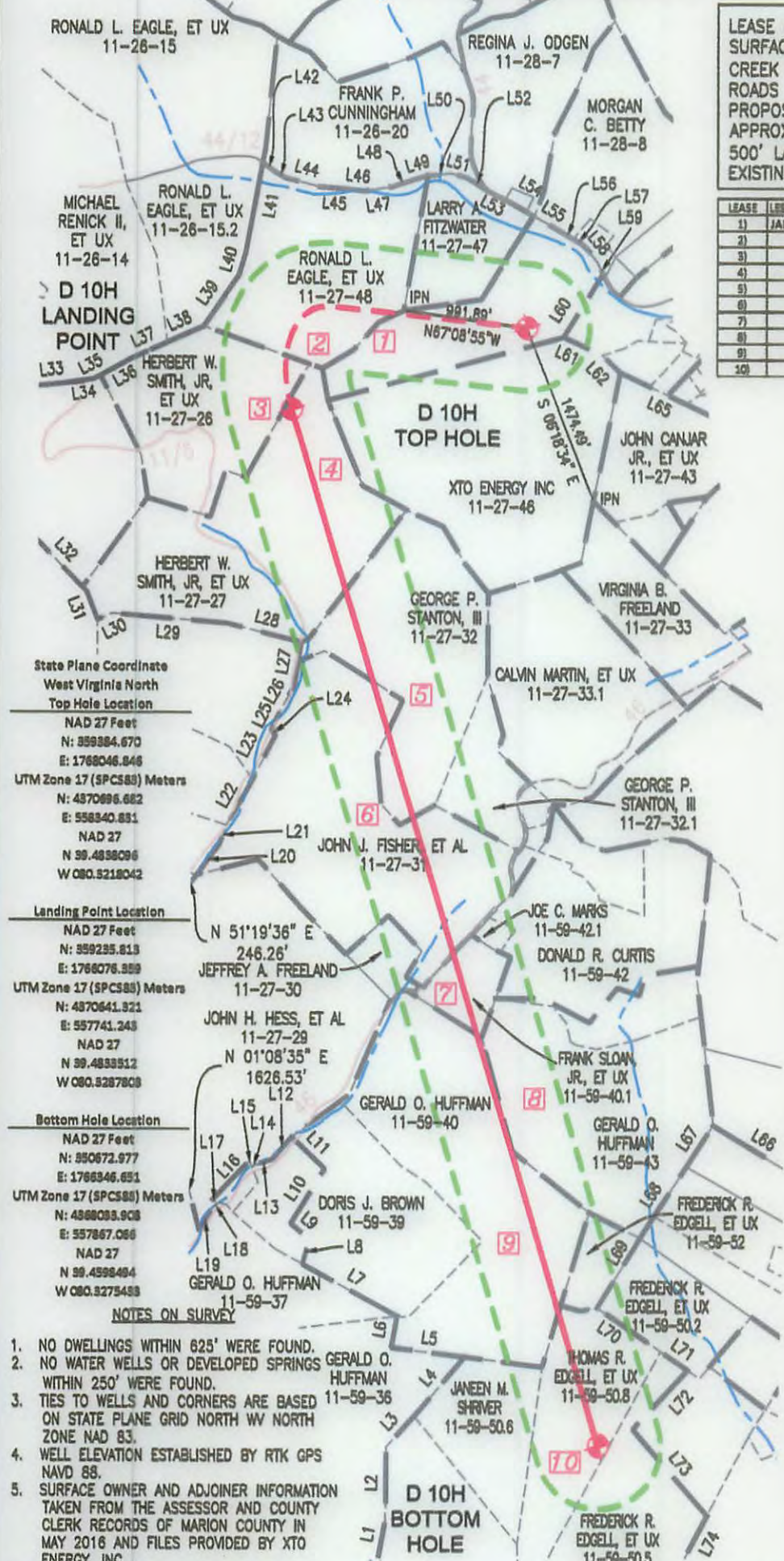
WORTHINGTON D 10H

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	39.696
2)	CAROLYN R. GROVER, ET AL	39.37
3)	GAYLE D JUSTICE, ET AL	24.90
4)	EXPLORATION PARTNERS, LLC, ET AL	64.35
5)	AMANDA M. HESS, ET AL	51.250
6)	AMANDA M. HESS, ET AL	67.900
7)	FREDERICK R. EDGELL, ET AL	7.900
8)	RONALD D. MARTIN, ET AL	96.900
9)	HARRY G. MOORHEAD, ET AL	94.000
20)	ROY W. EDGELL, ET AL	140.31825

LINE	BEARING	DISTANCE
L1	N 28°42'19" E	297.24'
L2	N 15°17'19" E	576.77'
L3	N 57°44'30" E	332.01'
L4	N 55°22'01" E	1612.14'
L5	N 67°58'00" W	1988.84'
L6	N 25°20'00" E	254.28'
L7	N 48°10'00" W	858.00'
L8	N 31°50'00" E	1981.00'
L9	N 34°10'00" W	108.00'
L10	N 48°50'00" E	507.37'
L11	N 31°40'00" W	383.00'
L12	S 85°28'50" W	230.62'
L13	S 88°18'50" W	140.58'
L14	S 65°57'07" W	34.01'
L15	N 08°48'02" W	57.23'
L16	S 58°57'17" W	434.53'
L17	S 61°04'14" E	62.10'
L18	S 69°08'27" W	87.69'
L19	S 43°21'48" W	214.27'
L20	N 51°19'36" E	297.00'
L21	N 36°19'36" E	199.82'
L22	N 44°07'43" E	414.91'
L23	N 42°19'59" E	398.00'
L24	N 37°14'01" W	48.50'
L25	N 39°45'59" E	173.28'
L26	N 43°45'59" E	231.00'
L27	N 23°51'39" E	347.23'
L28	N 80°44'01" W	610.50'
L29	N 70°14'01" W	915.75'
L30	S 78°45'59" W	123.75'
L31	N 05°38'18" W	245.19'
L32	N 28°42'48" W	685.63'
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 78°50'57" E	278.37'
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	130.68'
L43	S 47°18'08" E	67.06'
L44	S 60°40'07" E	278.70'
L45	S 70°34'08" E	221.16'
L46	S 88°28'13" E	122.05'
L47	S 83°23'12" E	218.22'
L48	N 86°38'44" E	201.34'
L49	N 88°07'14" E	104.75'
L50	S 78°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 48°35'12" E	118.87'
L57	S 44°15'59" E	90.76'
L58	S 25°31'01" E	172.89'
L59	S 11°01'08" E	108.13'
L60	S 47°08'47" W	588.30'
L61	S 50°08'18" E	341.44'
L62	S 31°05'10" E	199.86'
L63	S 46°23'58" E	837.70'
L64	N 43°23'36" W	803.12'
L65	S 47°28'29" W	391.86'
L66	S 48°03'09" W	866.10'
L67	S 48°27'10" W	849.25'
L68	S 40°32'57" E	816.14'
L69	S 40°32'57" E	257.82'
L70	S 57°48'51" W	635.39'
L71	S 28°48'05" E	803.06'
L72	S 42°17'11" W	1374.73'



State Plane Coordinate
West Virginia North
Top Hole Location
NAD 27 Feet
N: 359384.670
E: 1768046.846
UTM Zone 17 (SPCS83) Meters
N: 4870896.682
E: 558340.881
NAD 27
N 39.4838096
W 080.3218042

Landing Point Location
NAD 27 Feet
N: 359235.613
E: 1768076.399
UTM Zone 17 (SPCS83) Meters
N: 4870641.321
E: 557741.243
NAD 27
N 39.4838512
W 080.3287808

Bottom Hole Location
NAD 27 Feet
N: 350672.977
E: 1768346.691
UTM Zone 17 (SPCS83) Meters
N: 4868093.908
E: 557867.066
NAD 27
N 39.4598484
W 080.3275493

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

JONES CONSULTANTS, LLC

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



0' 1200'



SUPPLEMENTAL SURFACE AND LESSOR EXHIBIT WORTHINGTON D 10H

Drawn By: JRV	Date: 04/19/17	LINCOLN DISTRICT MARION COUNTY, WEST VIRGINIA	
Scale: 1" = 1200'	Sheet: SHEET 2 OF 2	File No.:	JC2016-38
APP # 1600261			

05/19/2017