

WORTHINGTON C 6H

LATITUDE: 39°32'30"
SCALE: 1" = 3000'

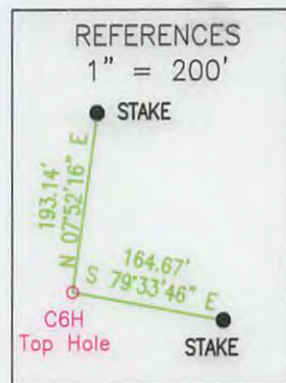
State Plane Coordinate
West Virginia North
Top Hole Location
NAD 27 Feet
N: 359392.650
E: 1768065.186
UTM Zone 17 (SPCS83) Meters
N: 4370699.207
E: 558346.378
NAD 27
N 39.4838320
W 080.3217395

Landing Point Location
NAD 27 Feet
N: 359682.630
E: 1770791.569
UTM Zone 17 (SPCS83) Meters
N: 4370801.402
E: 559175.548
NAD 27
N 39.4846962
W 080.3120898

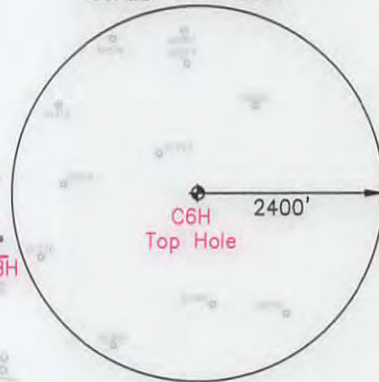
Bottom Hole Location
NAD 27 Feet
N: 367907.166
E: 1768820.687
UTM Zone 17 (SPCS83) Meters
N: 4373297.119
E: 558533.339
NAD 27
N 39.5072269
W 080.3193381

LINE LEGEND

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



SCALE: 1" = 2400'



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

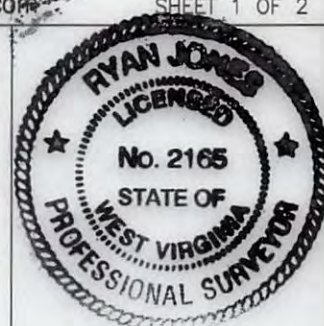
SHEET 1 OF 2

FILE #: JC2016-37
DRAWING #: WORTHINGTON C 6H 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: 09/26/2016
OPERATOR'S WELL #: WORTHINGTON C 6H
API WELL #: 47 049 02423
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: 465±

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), 17,557' (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 C 6H

LINE LEGEND

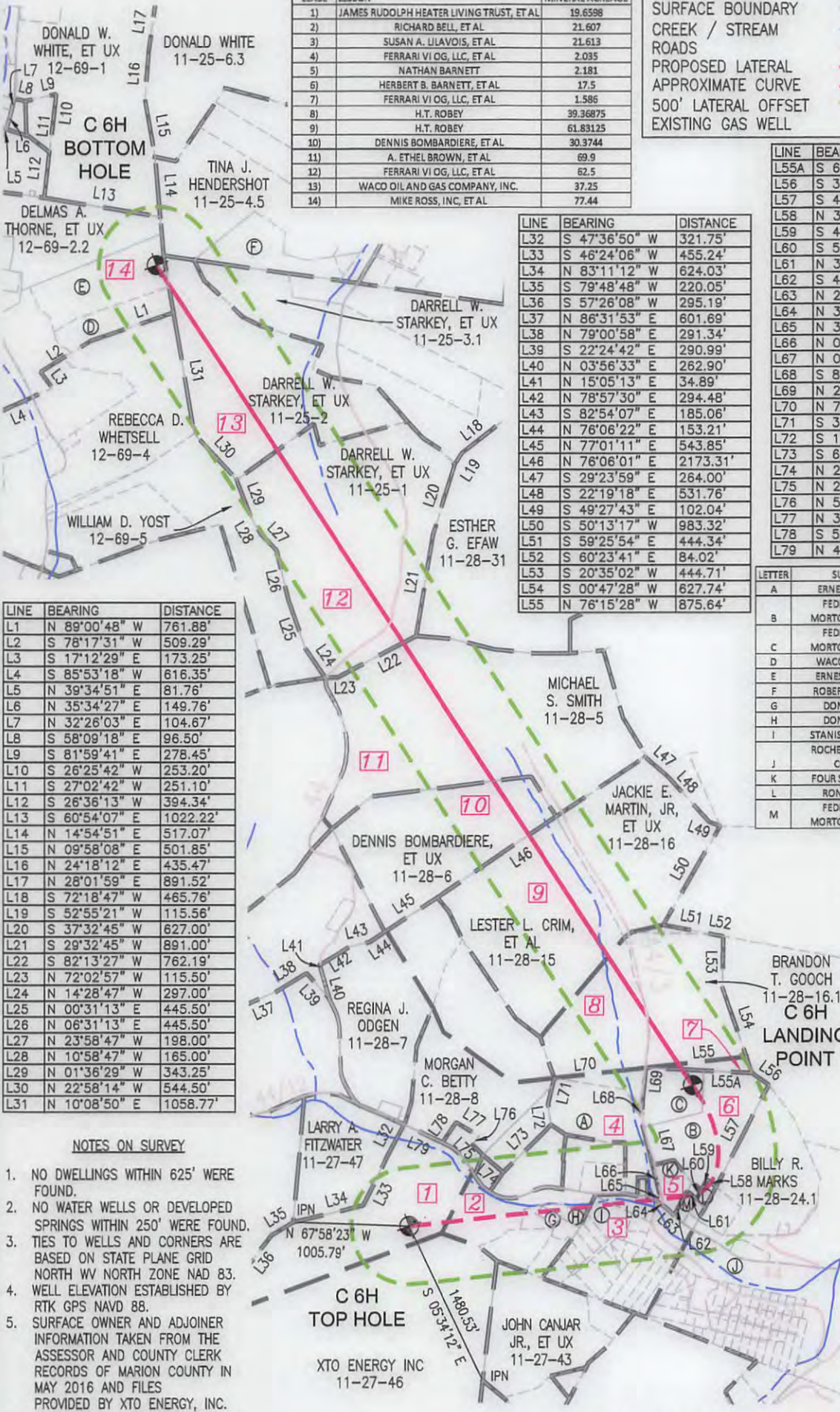
LEASE BOUNDARY	---
SURFACE BOUNDARY	- - - - -
CREEK / STREAM	~ ~ ~ ~ ~
ROADS	— — — — —
PROPOSED LATERAL	— — — — —
APPROXIMATE CURVE	⊙
500' LATERAL OFFSET	---
EXISTING GAS WELL	⊙

WORTHINGTON C 6H		
LEASE	LESSOR	MINERAL ACREAGE
1)	JAMES RUDOLPH HEATER LIVING TRUST, ET AL	19.6598
2)	RICHARD BELL, ET AL	21.607
3)	SUSAN A. LILAVOIS, ET AL	21.613
4)	FERRARI VI OG, LLC, ET AL	2.035
5)	NATHAN BARNETT	2.181
6)	HERBERT B. BARNETT, ET AL	17.5
7)	FERRARI VI OG, LLC, ET AL	1.586
8)	H.T. ROBEY	39.36875
9)	H.T. ROBEY	61.83125
10)	DENNIS BOMBARDIERE, ET AL	30.3744
11)	A. ETHEL BROWN, ET AL	69.9
12)	FERRARI VI OG, LLC, ET AL	62.5
13)	WACO OIL AND GAS COMPANY, INC.	37.25
14)	MIKE ROSS, INC, ET AL	77.44

LINE	BEARING	DISTANCE
L55A	S 67°07'06" E	922.51'
L56	S 35°02'09" E	176.76'
L57	S 47°42'40" W	986.09'
L58	N 30°37'53" W	100.39'
L59	S 48°52'07" W	102.50'
L60	S 50°30'27" W	76.06'
L61	N 30°37'53" W	102.50'
L62	S 48°52'07" W	236.97'
L63	N 26°56'56" W	104.60'
L64	N 37°00'02" W	80.63'
L65	N 35°26'52" E	74.26'
L66	N 05°13'52" E	251.07'
L67	N 05°13'52" E	465.73'
L68	S 88°06'08" E	25.00'
L69	N 25°49'38" E	380.07'
L70	N 76°20'32" W	801.82'
L71	S 33°20'08" W	231.00'
L72	S 11°26'52" W	177.88'
L73	S 65°43'41" W	583.89'
L74	N 29°52'49" W	230.87'
L75	N 24°04'39" W	124.97'
L76	N 57°21'54" E	90.94'
L77	N 38°55'13" W	231.48'
L78	S 54°36'48" W	210.25'
L79	N 45°23'17" W	369.95'

LINE	BEARING	DISTANCE
L32	S 47°36'50" W	321.75'
L33	S 46°24'06" W	455.24'
L34	N 83°11'12" W	624.03'
L35	S 79°48'48" W	220.05'
L36	S 57°26'08" W	295.19'
L37	N 86°31'53" E	601.69'
L38	N 79°00'58" E	291.34'
L39	S 22°24'42" E	290.99'
L40	N 03°56'33" E	262.90'
L41	N 15°05'13" E	34.89'
L42	N 78°57'30" E	294.48'
L43	S 82°54'07" E	185.06'
L44	N 76°06'22" E	153.21'
L45	N 77°01'11" E	543.85'
L46	N 76°06'01" E	2173.31'
L47	S 29°23'59" E	264.00'
L48	S 22°19'18" E	531.76'
L49	S 49°27'43" E	102.04'
L50	S 50°13'17" W	983.32'
L51	S 59°25'54" E	444.34'
L52	S 60°23'41" E	84.02'
L53	S 20°35'02" W	444.71'
L54	S 00°47'28" W	627.74'
L55	N 76°15'28" W	875.64'

LETTER	SURFACE OWNER	TAX PARCEL
A	ERNEST W. SMITH, ET AL	11-28-14
B	FEDERAL HOME LOAN MORTGAGE CORPORATION	11-28-18
C	FEDERAL HOME LOAN MORTGAGE CORPORATION	11-28-17
D	WACO OIL & GAS CO INC	12-69-3.2
E	ERNEST E. GLOVER, ET UX	12-69-3
F	ROBERT L. LEASURE, ET UX	11-25-4.2
G	DONALD L. EDWARDS	11-27-40
H	DONALD L. EDWARDS	11-27-39
I	STANISLAW R. BUBNOWSKI	11-56-3
J	ROCHESTER & PITTSBURGH COAL COMPANY	11-29-3
K	FOUR STATES TABERNACLE	11-28-19
L	RONDELL M. RADDISH	11-28-18.1
M	FEDERAL HOME LOAN MORTGAGE CORPORATION	11-28-20



LINE	BEARING	DISTANCE
L1	N 89°00'48" W	761.88'
L2	S 78°17'31" W	509.29'
L3	S 17°12'29" E	173.25'
L4	S 85°53'18" W	616.35'
L5	N 39°34'51" E	81.76'
L6	N 35°34'27" E	149.76'
L7	N 32°28'03" E	104.67'
L8	S 58°09'18" E	96.50'
L9	S 81°59'41" E	278.45'
L10	S 26°25'42" W	253.20'
L11	S 27°02'42" W	251.10'
L12	S 26°36'13" W	394.34'
L13	S 60°54'07" E	1022.22'
L14	N 14°54'51" E	517.07'
L15	N 09°58'08" E	501.85'
L16	N 24°18'12" E	435.47'
L17	N 28°01'59" E	891.52'
L18	S 72°18'47" W	465.76'
L19	S 52°55'21" W	115.56'
L20	S 37°32'45" W	627.00'
L21	S 29°32'45" W	891.00'
L22	S 82°13'27" W	762.19'
L23	N 72°02'57" W	115.50'
L24	N 14°28'47" W	297.00'
L25	N 00°31'13" E	445.50'
L26	N 06°31'13" E	445.50'
L27	N 23°58'47" W	198.00'
L28	N 10°58'47" W	165.00'
L29	N 01°36'29" W	343.25'
L30	N 22°58'14" W	544.50'
L31	N 10°08'50" E	1058.77'

NOTES ON SURVEY

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- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' WERE FOUND.
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JONES CONSULTANTS, LLC

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

SUPPLEMENTAL SURFACE AND LESSOR EXHIBIT

WORTHINGTON C 6H

Drawn By:	Date:	LINCOLN DISTRICT
JRV	09/26/16	MARION COUNTY, WEST VIRGINIA
Scale:	1" = 1200'	Sheet:
AFE #	1304380	File No.:
		SHEET 2 OF 2
		JC2016-37



08/03/2017