

# WORTHINGTON UNIT A 1H

SCALE: 1" = 2400'

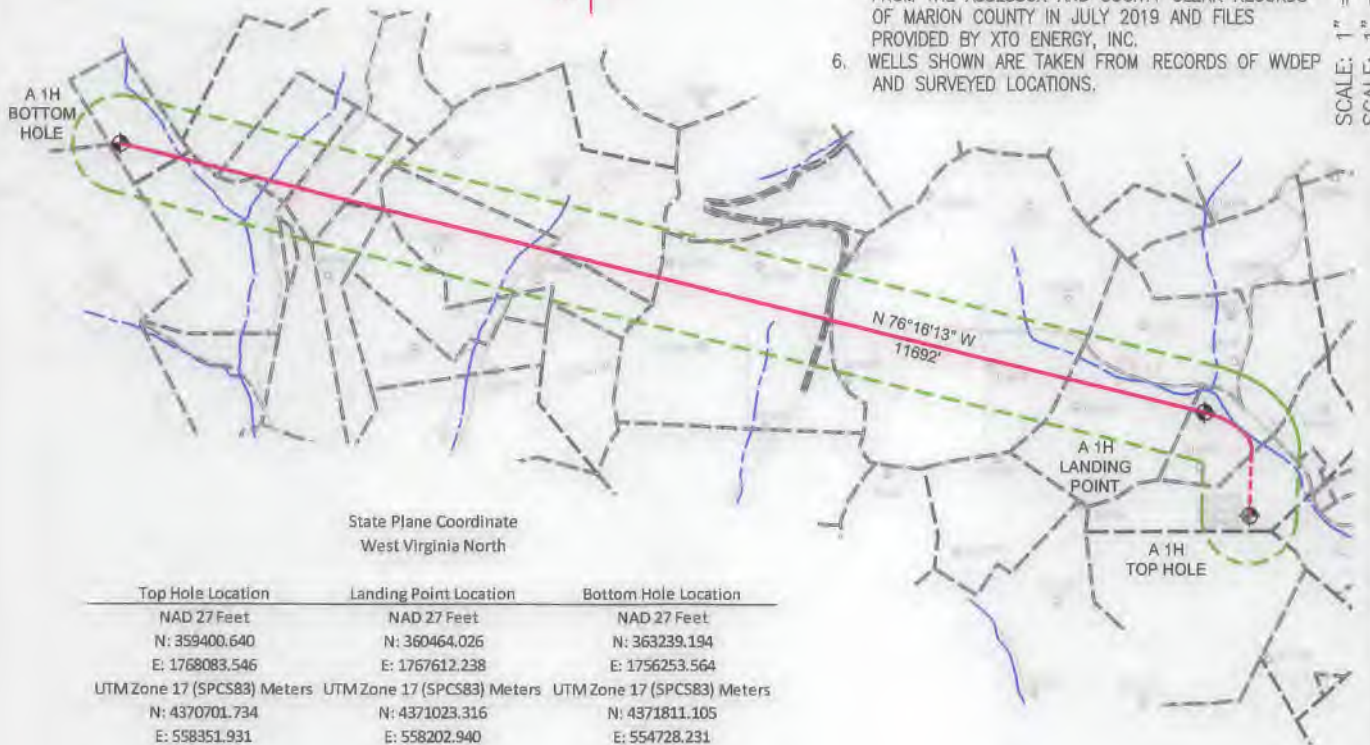
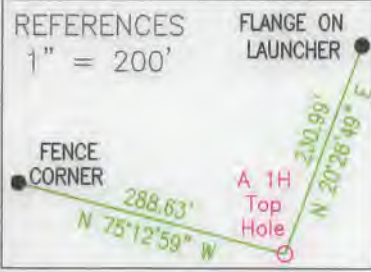
SCALE: 1" = 2000' LATITUDE: 39°30'00" (TOP HOLE)  
SCALE: 1" = 2000' LATITUDE: 39°30'00" (BOTTOM HOLE)

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 JULY 2019 AND FILES PROVIDED BY XTO ENERGY, INC.
6. WELLS SHOWN ARE TAKEN FROM RECORDS OF WVDEP AND SURVEYED LOCATIONS.



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: 359400.640	N: 360464.026	N: 363239.194
E: 1768083.546	E: 1767612.238	E: 1756253.564
UTM Zone 17 (SPCS83) Meters	UTM Zone 17 (SPCS83) Meters	UTM Zone 17 (SPCS83) Meters
N: 4370701.734	N: 4371023.316	N: 4371811.105
E: 558351.931	E: 558202.940	E: 554728.231
NAD 27	NAD 27	NAD 27
N 39.4838544	N 39.4867620	N 39.4940882
W 80.3216747	W 80.3233790	W 80.3637163



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

SHEET 1 OF 2

FILE #: JC2019-75  
DRAWING #: WORTHINGTON A 1H 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: 08/27/2019  
OPERATOR'S WELL #: WORTHINGTON UNIT A 1H  
API WELL #: 47 049 02497 HGA  
STATE COUNTY PERMIT

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

WATERSHED: LOWER WEST FORK RIVER (0502000206) ELEVATION: 1,194' (EXISTING PAD FINISH GRADE)  
COUNTY/DISTRICT: MARION / LINCOLN QUADRANGLE: SHINNSTON 7.5'  
SURFACE OWNER: XTO ENERGY INC ACREAGE: 104.40±  
OIL & GAS ROYALTY OWNER: CAROLYN R. GROVER, ET AL ACREAGE: 717.6±

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: 7.597' (TVD), 19.847' (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

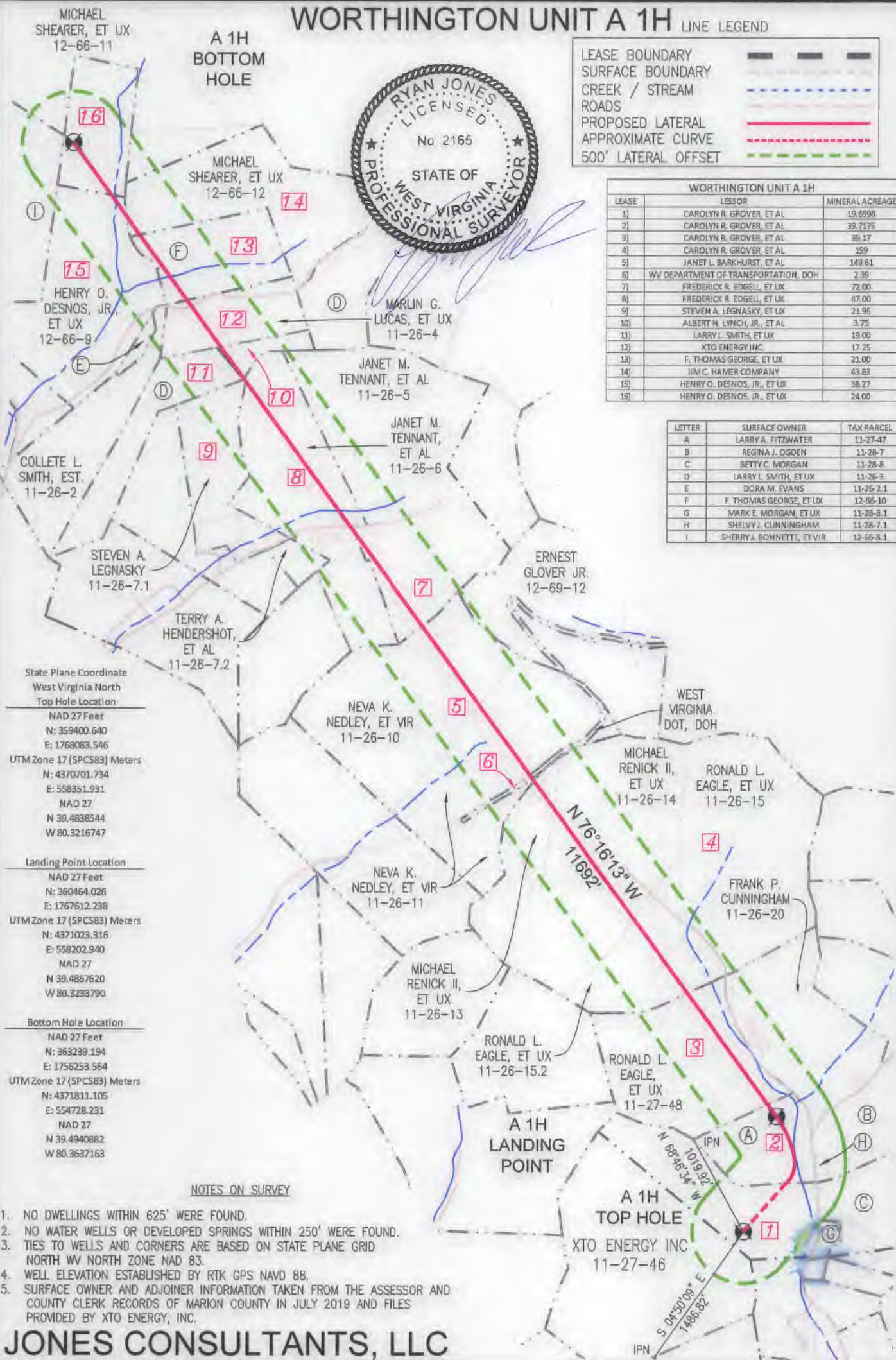
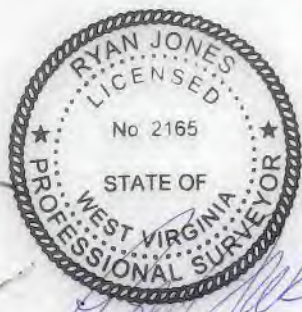


# WORTHINGTON UNIT A 1H LINE LEGEND

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

WORTHINGTON UNIT A 1H		
LEASE	LESSOR	MINERAL ACREAGE
1)	CAROLYN R. GROVER, ET AL	19.6596
2)	CAROLYN R. GROVER, ET AL	39.7175
3)	CAROLYN R. GROVER, ET AL	39.17
4)	CAROLYN R. GROVER, ET AL	159
5)	JANET L. BARKHURST, ET AL	149.61
6)	WV DEPARTMENT OF TRANSPORTATION, DOH	2.39
7)	FREDERICK R. EDGELL, ET UX	72.00
8)	FREDERICK R. EDGELL, ET UX	47.00
9)	STEVEN A. LEGNASKY, ET UX	21.95
10)	ALBERT N. LYNCH, JR., ET AL	3.75
11)	LARRY L. SMITH, ET UX	19.00
12)	XTO ENERGY INC.	17.25
13)	F. THOMAS GEORGE, ET UX	21.00
14)	JIM C. HAMER COMPANY	43.83
15)	HENRY O. DESNOS, JR., ET UX	38.27
16)	HENRY O. DESNOS, JR., ET UX	24.00

LETTER	SURFACE OWNER	TAX PARCEL
A	LARRY A. FITZWATER	11-27-47
B	REGINA J. OGDEN	11-28-7
C	BETTY C. MORGAN	11-28-8
D	LARRY L. SMITH, ET UX	11-26-3
E	DORA M. EVANS	11-26-2.1
F	F. THOMAS GEORGE, ET UX	12-66-10
G	MARK E. MORGAN, ET UX	11-28-8.1
H	SHELVY J. CUNNINGHAM	11-28-7.1
I	SHERRY J. BONNETTE, ET VIR	12-66-8.1



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West Virginia North  
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UTM Zone 17 (SPCS83) Meters  
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E: 558351.931  
NAD 27  
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E: 1756253.564  
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E: 554728.231  
NAD 27  
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**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 UNIT A 1H**

Drawn By: JRV	Date: 08/27/19	LINCOLN DISTRICT MARION COUNTY, WEST VIRGINIA
Scale: 1" = 1200'	Sheet:	File No.:
AFE # DD.2013.05455	SHEET 2 OF 2	JC2019-79





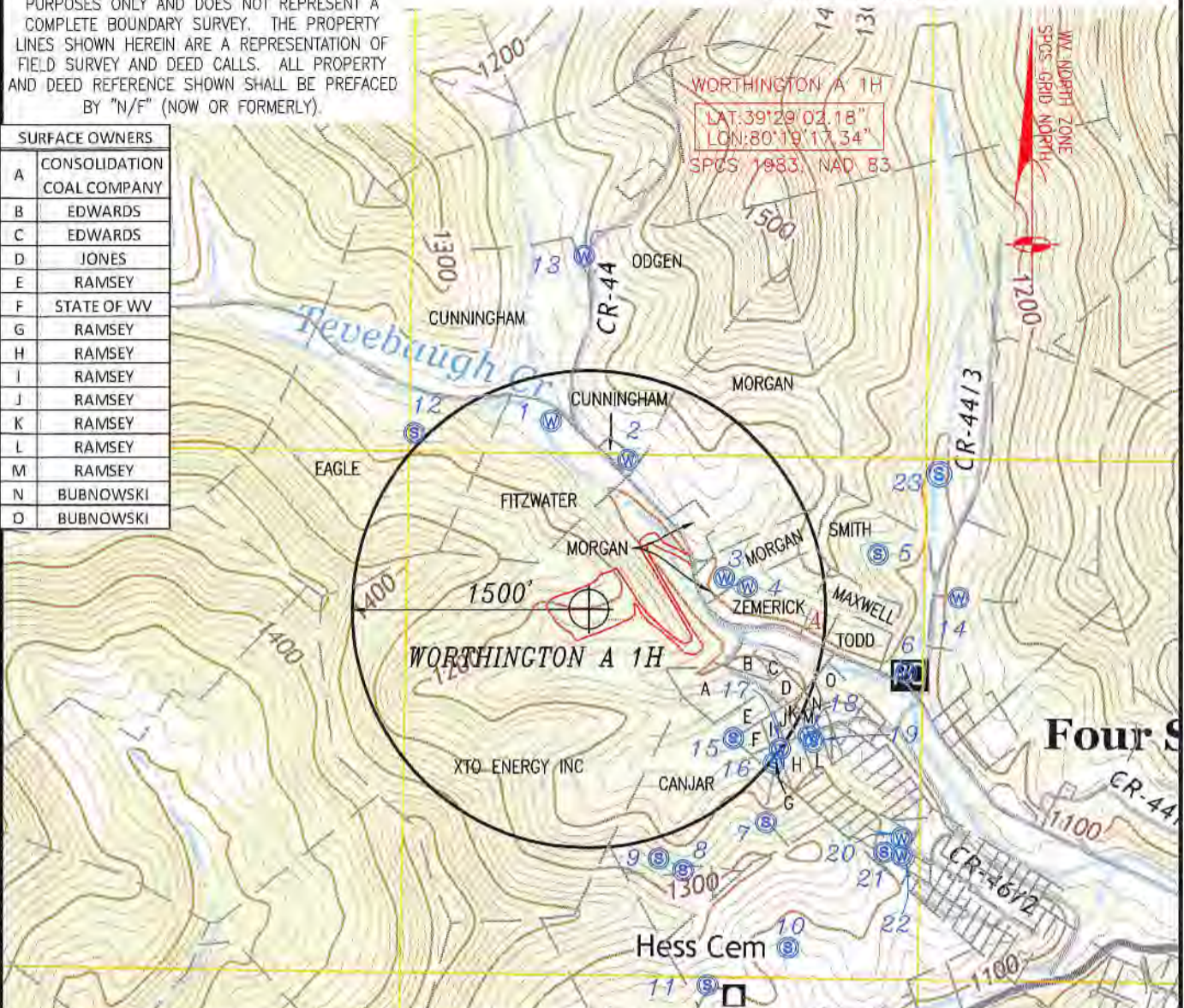
FORM W-9

NOTE: THIS PLAT IS FOR WELL LOCATION PURPOSES ONLY AND DOES NOT REPRESENT A COMPLETE BOUNDARY SURVEY. THE PROPERTY LINES SHOWN HEREIN ARE A REPRESENTATION OF FIELD SURVEY AND DEED CALLS. ALL PROPERTY AND DEED REFERENCE SHOWN SHALL BE PREFACED BY "N/F" (NOW OR FORMERLY).

LEGEND

- ⊙ WATER WELL
- ⊕ SPRING/POND/STREAM
- SURFACE BOUNDARY

SURFACE OWNERS	
A	CONSOLIDATION COAL COMPANY
B	EDWARDS
C	EDWARDS
D	JONES
E	RAMSEY
F	STATE OF WV
G	RAMSEY
H	RAMSEY
I	RAMSEY
J	RAMSEY
K	RAMSEY
L	RAMSEY
M	RAMSEY
N	BUBNOWSKI
O	BUBNOWSKI



POINT	NAME	ADDRESS	CITY	STATE	ZIP CODE	DISTANCE	BEARING	PARCEL I.D.
1	Larry A. Fitzwater	11 Country Lane	Worthington	WV	26591	1209'	N 11°25'57" W	Tax Map 11-27, Parcel 47
2	Shelvy J. Cunningham	2461 Grays Run Road	Worthington	WV	26591	974'	N 14°48'08" E	Tax Map 11-28, Parcel 7.1
3	Randall L. & Debra S. Morgan	2529 Grays Run Road	Worthington	WV	26591	880'	N 76°48'35" E	Tax Map 11-28, Parcel 9
4	Scott A. & Cynthia L. Zemerick	P.O. Box 149	Worthington	WV	26591	1015'	N 81°50'41" E	Tax Map 11-28, Parcel 10
5	Ernest W. Smith & Mariah K Fowler	2661 Grays Run Road	Worthington	WV	26591	1864'	N 79°22'03" E	Tax Map 11-28, Parcel 14
6	Ernest W. Smith & Mariah K Fowler	2661 Grays Run Road	Worthington	WV	26591	2051'	S 78°37'55" E	Tax Map 11-28, Parcel 13
7	Betty M. & John Canjar, Jr	16 Crystal Lake Road	Worthington	WV	26591	1749'	S 39°56'50" E	Tax Map 11-27, Parcel 43
8	Betty M. & John Canjar, Jr	16 Crystal Lake Road	Worthington	WV	26591	1747'	S 20°00'16" E	Tax Map 11-27, Parcel 43
9	Betty M. & John Canjar, Jr	16 Crystal Lake Road	Worthington	WV	26591	1628'	S 15°49'19" E	Tax Map 11-27, Parcel 43
10	Betty M. & John Canjar, Jr	16 Crystal Lake Road	Worthington	WV	26591	2477'	S 30°37'38" E	Tax Map 11-27, Parcel 37
11	Betty M. & John Canjar, Jr	16 Crystal Lake Road	Worthington	WV	26591	2484'	S 17°37'22" E	Tax Map 11-27, Parcel 37
12	Ronald L. & Ada Eagle	97 Country Lane	Worthington	WV	26591	1567'	N 44°53'02" W	Tax Map 11-27, Parcel 48
13	Jerry A. Moore	4100 Meadowhill Lane	Fairfax	VA	22030	2225'	N 00°47'26" W	Tax Map 11-26, Parcel 18
14	Nathan Barnett (Tenant)	P.O. Box 51	Four States	WV	26572	2343'	N 88°17'35" E	Tax Map 11-28, Parcel 17
15	Harry T. Ramsey	594 Pike Street	Monongah	WV	26554	1223'	S 48°24'58" E	Tax Map 11-27, Parcel 42
16	Harry T. Ramsey	594 Pike Street	Monongah	WV	26554	1521'	S 50°24'12" E	Tax Map 11-56, Parcel 10
17	Harry T. Ramsey	594 Pike Street	Monongah	WV	26554	1497'	S 54°03'01" E	Tax Map 11-56, Parcel 11
18	Harry T. Ramsey	594 Pike Street	Monongah	WV	26554	1606'	S 60°08'46" E	Tax Map 11-56, Parcel 12
19	Harry T. Ramsey	594 Pike Street	Monongah	WV	26554	1652'	S 59°34'20" E	Tax Map 11-56, Parcel 12
20	Pricilla C. Hammond	P.O. Box 36	Four States	WV	26572	2448'	S 54°00'39" E	Tax Map 11-56, Parcel 25
21	Pricilla C. Hammond	P.O. Box 36	Four States	WV	26572	2418'	S 50°44'05" E	Tax Map 11-56, Parcel 26
22	Pricilla C. Hammond	P.O. Box 36	Four States	WV	26572	2517'	S 51°59'00" E	Tax Map 11-56, Parcel 26
23	Lester Crim C/O William Russell	1223 Morningside Drive	Fairmont	WV	26554	2374'	N 69°08'46" W	Tax Map 11-28, Parcel 15

WORTHINGTON A 1H UNIT UNKNOWN SOURCES

POINT	NAME	ADDRESS	CITY	STATE	ZIP CODE	PARCEL I.D.
A	Denzil & Vivia Maxwell	P.O. Box 173	Four States	WV	26572	Tax Map 11-28 Parcel 11

(PROPERTIES THAT NEED TO BE VERIFIED FOR POTENTIAL WATER SOURCES)

LINCOLN DISTRICT, MARION COUNTY, WEST VIRGINIA 9/26/2019 JC2019-75 SHEET 1 OF 1



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

Shinnston Quad (2014)  
Marion County, WV  
Scale: 1" = 1000'



190 THORN HILL ROAD  
WARRENDALE, PA 15086

RECEIVED Office of Oil and Gas

OCT 07 2019