

State of West Virginia  
Department of Environmental Protection - Office of Oil and Gas  
Well Operator's Report of Well Work

API 47 - 049 - 02495 County Marion District Lincoln  
Quad Shinnston Pad Name Sands Pad Field/Pool Name Marcellus  
Farm name XTO Energy Inc. Well Number Sands Unit A 8H  
Operator (as registered with the OOG) XTO Energy Inc.  
Address PO Box 1008 City Jane Lew State WV Zip 26378

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4368400.786 Easting 559069.877  
Landing Point of Curve Northing 4367820.144 Easting 558755.507  
Bottom Hole Northing 4365205.007 Easting 560755.802

Elevation (ft) 1,230' GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other \_\_\_\_\_  
Drilled with  Cable  Rotary

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine  
Mud Type(s) and Additive(s)  
OBM, Fluid Loss, Wetting Agent, Viscosifier, Barite, Emulsifier.

Date permit issued 3/20/2019 Date drilling commenced 8/5/2019 Date drilling ceased 2/20/2020  
Date completion activities began 7/26/2021 Date completion activities ceased 9/28/2021  
Verbal plugging (Y/N) \_\_\_\_\_ Date permission granted \_\_\_\_\_ Granted by \_\_\_\_\_

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 120', 200' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1,450' & 1,800' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 420' - 427' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) Y

Reviewed by: *Danya Harris*  
**01/21/2022**

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API 47-049 - 02495 Farm name XTO Energy Inc. Well number Sands Unit A 8H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	28"	24"	40'	New	PE&B / 95#		N
Surface	17 1/2"	13 3/8"	512'	New	H-40 / 48#		Y
Coal							
Intermediate 1	12 3/8"	9 5/8"	3,171'	New	J-55 / 36#		Y
Intermediate 2							
Intermediate 3							
Production	8 3/4" & 8 1/2"	5 1/2"	18,940'	New	P-110 / 20#		Est. TOC 5,200'
Tubing							
Packer type and depth set							

Comment Details Conductor - cement poured directly into annulus.

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	A	90				0	8
Surface	A	460	15.6	1.21	556.6	0	8
Coal							
Intermediate 1	A	1,140	15.6	1.19	1,356.60	0	8
Intermediate 2							
Intermediate 3							
Production	H	510 / 2,149	15.2 / 15.6	1.10 / 1.57	561 / 3,373.93	Est. TOC 5,200'	8
Tubing							

Drillers TD (ft) 18,960' Loggers TD (ft) 18,935'

Deepest formation penetrated Marcellus Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 7,466'

Check all wireline logs run  caliper  density  deviated/directional  induction  neutron  resistivity  gamma ray  temperature  sonic

Well cored  Yes  No Conventional Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING  
 Surface - Every 120'  
 Intermediate - Every 120'  
 Production - Every 80'

WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED

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Well Sands Unit A 8H  
 API 47-049-02495

Stage	Perf Date	Perf from MD ft.	Perf to MD ft.	Number of Perfs	Formation(s)
1	44403	18620	18768	48	Marcellus
2	44404	18420	18568	48	Marcellus
3	44405	18220	18368	48	Marcellus
4	44406	18020	18168	48	Marcellus
5	44407	17820	17968	48	Marcellus
6	44408	17620	17768	48	Marcellus
7	44409	17420	17568	48	Marcellus
8	44410	17220	17368	48	Marcellus
9	44411	17020	17168	48	Marcellus
10	44412	16820	16968	48	Marcellus
11	44413	16620	16768	36	Marcellus
12	44414	16420	16568	36	Marcellus
13	44415	16220	16368	36	Marcellus
14	44417	16020	16168	36	Marcellus
15	44419	15820	15968	36	Marcellus
16	44420	15620	15768	36	Marcellus
17	44421	15420	15568	36	Marcellus
18	44422	15220	15368	36	Marcellus
19	44423	15020	15168	36	Marcellus
20	44424	14820	14968	36	Marcellus
21	44425	14620	14768	36	Marcellus
22	44426	14420	14568	36	Marcellus
23	44427	14220	14368	36	Marcellus
24	44428	14020	14168	36	Marcellus
25	44429	13820	13968	36	Marcellus
26	44431	13620	13768	36	Marcellus
27	44432	13420	13568	36	Marcellus
28	44434	13220	13368	36	Marcellus
29	44434	13020	13168	36	Marcellus
30	44437	12820	12968	36	Marcellus
31	44439	12620	12768	36	Marcellus
32	44441	12420	12568	36	Marcellus
33	44442	12220	12368	36	Marcellus
34	44443	12020	12168	36	Marcellus
35	44444	11820	11968	36	Marcellus
36	44445	11620	11768	36	Marcellus
37	44446	11420	11568	36	Marcellus
38	44447	11220	11368	36	Marcellus
39	44448	11020	11168	36	Marcellus
40	44449	10820	10968	36	Marcellus
41	44450	10620	10768	36	Marcellus
42	44451	10420	10568	36	Marcellus
43	44452	10220	10368	36	Marcellus
44	44453	10020	10168	36	Marcellus
45	44455	9820	9968	36	Marcellus
46	44455	9620	9768	36	Marcellus
47	44455	9420	9568	36	Marcellus
48	44456	9220	9368	36	Marcellus
49	44457	9020	9168	36	Marcellus
50	44457	8820	8968	36	Marcellus
51	44458	8620	8768	36	Marcellus
52	44458	8420	8568	36	Marcellus
53	44459	8220	8368	36	Marcellus

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Well  
API

Sands Unit A 8H  
47-049-02495

Lithology/Formation Name	Top Depth TVD	Bottom Depth TVD	Top Depth MD	Bottom Depth MD	Describe Rock Type and Record Quantity and Type of Fluid (Freshwater, Brine, Oil, Gas, H2S, ETC)
Dirt	0	31	0	31	
Sandstone	31	143	31	143	
Shale	143	279	143	279	
Sandstone	279	420	279	420	
Coal	420	427	420	427	
Shale	427	542	427	542	
SDY Shale	542	629	542	629	
Red Rock	629	639	629	639	
SDY Shale	639	659	639	659	
Red Rock	659	704	659	704	
Shale	704	969	704	969	
Sandstone	969	1,009	969	1,009	
SDY Shale	1,009	1,409	1,009	1,409	
Sandstone	1,409	1,539	1,409	1,539	
Shale	1,539	1,819	1,539	1,819	
Sandstone	1,819	1,899	1,819	1,899	
Shale	1,899	2,039	1,899	2,039	
Sandstone	2,039	2,109	2,039	2,109	
SDY Shale	2,109	2,309	2,109	2,309	
Sandstone	2,309	2,389	2,309	2,389	
SDY Shale	2,389	2,519	2,389	2,519	
Sandstone	2,519	2,549	2,519	2,549	
SDY Shale	2,549	2,629	2,549	2,629	
Sandstone	2,629	2,739	2,629	2,739	
Shale	2,739	2,889	2,739	2,889	
Sandstone	2,889	2,919	2,889	2,919	
SDY Shale	2,919	3,154	2,919	3,154	
Shale	3,154	3,989	3,154	3,989	
Sandstone	3,989	4,259	3,989	4,259	
Shale	4,259	4,469	4,259	4,469	
SDY Shale	4,469	4,638	4,469	4,638	
Sandstone	4,638	4,679	4,638	4,679	
SDY Shale	4,679	5,209	4,679	5,209	
Shale	5,209	5,319	5,209	5,319	
Sandstone	5,319	5,459	5,319	5,459	
Shale	5,459	7,193	5,459	7,578	
Burket Shale	7,208	7,232	7,597	7,628	
Tully Limestone	7,232	7,280	7,628	7,692	
Hamilton Shale	7,280	7,421	7,692	7,940	
Marcellus	7,421		7,940	18,960	

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# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	7/26/2021
Job End Date:	9/20/2021
State:	West Virginia
County:	Marion
API Number:	47-049-02495-00-00
Operator Name:	XTO Energy/ExxonMobil
Well Name and Number:	Sands Unit A 8H
Latitude:	39.46307340
Longitude:	-80.31353080
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,477
Total Base Water Volume (gal):	23,777,796
Total Base Non Water Volume:	0



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## Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Cabot	Carrier/Base Fluid	Water	7732-18-5	100.00000	90.69102	None
Sand	UPP	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	99.90000	8.74265	None
HCL Acid (15%)	UPP	Acidizing	Hydrochloric Acid	7647-01-0	7.50000	0.03553	None
FR-3	UPP	Friction reducer	Hydrotreated Petroleum Distillate	64742-47-8	20.00000	0.01299	None
			Oleic Acid Diethanolamide	93-83-4	1.50000	0.00097	None
			Ammonium Chloride	12125-02-9	1.50000	0.00097	None
			Alcohol Ethoxylate Surfactants	68551-12-2	1.00000	0.00065	None
Scale Hib PE-18 (Summer)	UPP	Scale Inhibitor	Proprietary Scale Inhibitor	Proprietary	30.00000	0.00296	None
MBC 10:5	UPP	Biocide	Alkyl dimethyl benzyl ammonium chloride (C 12-16)	68424-85-1	10.00000	0.00087	None
			Glutaraldehyde	111-30-8	5.00000	0.00043	None



			Ethanol	64-17-5	5.00000	0.00043	None
Unihib G	UPP	Acid inhibitor					
			Butyl diglycol	112-34-5	75.00000	0.00028	None
			Alcohols, C10-16, ethoxylated	68002-97-1	50.00000	0.00019	None
			Methanol	67-56-1	5.00000	0.00002	None
			Formaldehyde	50-00-0	1.00000	0.00000	None
			Thiourea	62-56-6	1.00000	0.00000	None
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
Other Chemical(s)	Listed Above	See Trade Name(s) List					
			Ammonium Chloride	12125-02-9	1.50000	0.00097	
			Oleic Acid Diethanolamide	93-83-4	1.50000	0.00097	
			Alcohol Ethoxylate Surfactants	68551-12-2	1.00000	0.00065	
			Glutaraldehyde	111-30-8	5.00000	0.00043	
			Ethanol	64-17-5	5.00000	0.00043	
			Alcohols, C10-16, ethoxylated	68002-97-1	50.00000	0.00019	
			Methanol	67-56-1	5.00000	0.00002	
			Thiourea	62-56-6	1.00000	0.00000	
			Formaldehyde	50-00-0	1.00000	0.00000	

\* Total Water Volume sources may include fresh water, produced water, and/or recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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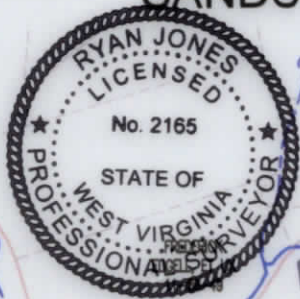




# SANDS UNIT A 8H AS-DRILLED

## LINE LEGEND

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



SANDS UNIT A 8H		
LEASE	LESSOR	MINERAL ACREAGE
1)	TRIO PETROLEUM CORP	138.05
2)	WACO OIL AND GAS CO. INC.	35.185
3)	O. JOAN WEEKLY	17.00
4)	IMOGENE SAYERS, ET AL	5.045
5)	IMOGENE SAYERS, ET AL	30.995
6)	PATRICIA ANN JUDY, ET AL	130.00
7)	GARY B. TATE, ET AL	5.22
8)	WILMA R. GOODWIN, ET AL	20.00
9)	EUGENE V. TETRICK, ET AL	16.72
10)	EUGENE V. TETRICK, ET AL	8.00
11)	DAVID M. TETRICK	16.175
12)	BERTA PEARL LAUGHLIN, ET AL	80.00
13)	ALLEN R. COOPER, ET AL	20.00
14)	PHYLLIS J. CARPENTER, ET AL	15.00
15)	BARBARA HARRIS, ET AL	15.00
16)	DENZIL MCINTIRE, ET UX	132.00
17)	WACO OIL AND GAS CO. INC., ET AL	91.49

SURFACE OWNER			TAX PARCEL		
LETTER	OWNER	PARCEL	LETTER	OWNER	PARCEL
A	DONALD A. WEEKLY, ET UX	11-57-11.6	A	DONALD A. WEEKLY, ET UX	11-57-11.6
B	ROGER L. WEEKLY	11-57-11.3	B	ROGER L. WEEKLY	11-57-11.3
C	VIRGINIA K. WEEKLY	11-57-11.2	C	VIRGINIA K. WEEKLY	11-57-11.2
D	JESSICA N. WEEKLY, ET VIR	11-57-11.5	D	JESSICA N. WEEKLY, ET VIR	11-57-11.5
E	ROGER L. WEEKLY	11-53-31.1	E	ROGER L. WEEKLY	11-53-31.1
F	STEPHEN L. YEAGER	11-57-11.8	F	STEPHEN L. YEAGER	11-57-11.8
G	EUGENE E. TETRICK	11-57-11.1	G	EUGENE E. TETRICK	11-57-11.1
H	JOHN R. WEEKLY	11-57-10	H	JOHN R. WEEKLY	11-57-10
I	DANIEL M. TETRICK	11-53-3.20	I	DANIEL M. TETRICK	11-53-3.20
J	DAVID M. TETRICK	11-53-3.2	J	DAVID M. TETRICK	11-53-3.2
K	EDWARD W. HINERMAN, ET UX	11-51-15.8	K	EDWARD W. HINERMAN, ET UX	11-51-15.8
L	EDWARD W. HINERMAN, ET UX	11-51-15.3	L	EDWARD W. HINERMAN, ET UX	11-51-15.3
M	CRAIG A. HOLT, ET UX	11-51-15.4	M	CRAIG A. HOLT, ET UX	11-51-15.4
N	CRAIG A. HOLT, ET UX	11-58-1.2	N	CRAIG A. HOLT, ET UX	11-58-1.2
O	JAMES A. KELLAR, ET UX	11-53-4.1	O	JAMES A. KELLAR, ET UX	11-53-4.1

**PERMITTED**  
State Plane Coordinate  
West Virginia North  
Top Hole Location  
NAD 27 Feet  
N: 351811.051  
E: 1770313.560  
UTM Zone 17 (SPCS83) Meters  
N: 4368400.786  
E: 559069.877  
NAD 27  
N 39.4630734  
W 80.3135308  
Landing Point Location  
NAD 27 Feet  
N: 349931.066  
E: 1769263.294  
UTM Zone 17 (SPCS83) Meters  
N: 4367822.688  
E: 558759.439  
NAD 27  
N 39.4578858  
W 80.3171900  
Inflection Point One Location  
NAD 27 Feet  
N: 346217.053  
E: 1773104.551  
UTM Zone 17 (SPCS83) Meters  
N: 4366710.670  
E: 559948.598  
NAD 27  
N 39.4477843  
W 80.3034686  
Inflection Point Two Location  
NAD 27 Feet  
N: 345678.479  
E: 1773494.925  
UTM Zone 17 (SPCS83) Meters  
N: 4366548.568  
E: 560070.266  
NAD 27  
N 39.4463153  
W 80.3020693  
Bottom Hole Location  
NAD 27 Feet  
N: 341224.554  
E: 1775658.429  
UTM Zone 17 (SPCS83) Meters  
N: 4365202.603  
E: 560752.020  
NAD 27  
N 39.4341400  
W 80.2942692

**AS-DRILLED**  
State Plane Coordinate  
West Virginia North  
Top Hole Location  
NAD 27 Feet  
N: 351811.051  
E: 1770313.560  
UTM Zone 17 (SPCS83) Meters  
N: 4368400.786  
E: 559069.877  
NAD 27  
N 39.4630734  
W 80.3135308  
Landing Point Location  
NAD 27 Feet  
N: 349922.936  
E: 1769250.254  
UTM Zone 17 (SPCS83) Meters  
N: 4367820.144  
E: 558755.507  
NAD 27  
N 39.4578632  
W 80.3172359  
Inflection Point One Location  
NAD 27 Feet  
N: 348063.971  
E: 1773204.042  
UTM Zone 17 (SPCS83) Meters  
N: 4366664.537  
E: 559979.687  
NAD 27  
N 39.4473665  
W 80.3031115  
Inflection Point Two Location  
NAD 27 Feet  
N: 345538.018  
E: 1773602.816  
UTM Zone 17 (SPCS83) Meters  
N: 4366506.322  
E: 560103.850  
NAD 27  
N 39.4459323  
W 80.3016829  
Bottom Hole Location  
NAD 27 Feet  
N: 341232.234  
E: 1775670.969  
UTM Zone 17 (SPCS83) Meters  
N: 4365205.007  
E: 560755.802  
NAD 27  
N 39.4341614  
W 80.2942250

(APPROXIMATE AS-DRILLED)  
A = 661.9'  
R = 2599.2'

(APPROXIMATE AS-DRILLED)  
S 25°39'21" E 4777'

(APPROXIMATE AS-DRILLED)  
S 25°54'29" E 4952'

**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 AUGUST 2021 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.

**JONES CONSULTANTS, LLC**



SURVEYING • MAPPING • LAND • GAS WELL • PIPELINE  
2402 PENNSYLVANIA 66 DELMONT, PA 15622  
(724) 757-2417 www.jonesconsultant.com

04/21/2022

**SUPPLEMENTAL SURFACE AND LESSOR EXHIBIT**

**SANDS UNIT A 8H**

Drawn By: JRV	Date: 8/5/21	LINCOLN DISTRICT MARION COUNTY, WEST VIRGINIA
Scale: 1" = 1500'	Sheet: SHEET 2 OF 2	File No.: JC2018-77
AFE # 1004837		





# SANDS UNIT A 8A AS-DRILLED

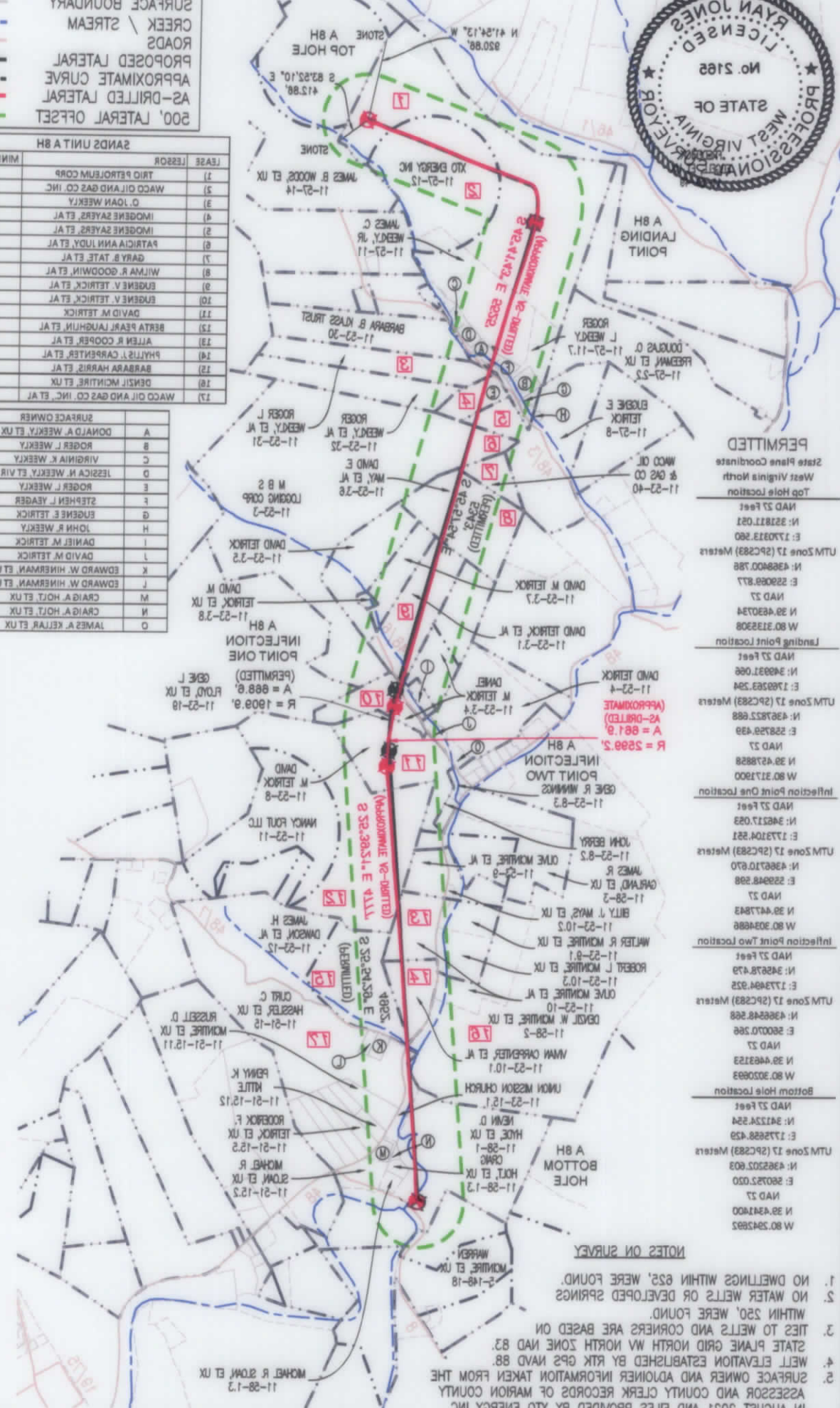
## LINE LEGEND

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

LEASE	LESSOR	MINERAL ACRES
121	WACO OIL AND GAS CO. INC. ET AL.	91.48
120	DENZIL MCINTIRE, ET AL.	125.00
119	BARBARA HARRIS, ET AL.	12.00
118	PHYLLIS L. CARPENTER, ET AL.	12.00
117	ALLEN R. COOPER, ET AL.	20.00
116	BERTA PEARL LAUGHLIN, ET AL.	80.00
115	DAVID M. TETRICK	18.27
114	DAVID M. TETRICK	18.27
113	EUGENE V. TETRICK, ET AL.	8.00
112	WILMA R. GOODWIN, ET AL.	20.00
111	GARY B. TATE, ET AL.	2.25
110	PATRICIA ANN LUDY, ET AL.	120.00
109	IMOGENE SAYERS, ET AL.	30.98
108	IMOGENE SAYERS, ET AL.	2.04
107	O. JOAN WEEKLY	17.00
106	WACO OIL AND GAS CO. INC.	32.18
105	TRIO PETROLEUM CORP.	128.00

SURFACE OWNER	TAX PARCEL
A DONALD A. WEEKLY, ET AL.	11-27-11.6
B ROGER L. WEEKLY	11-27-11.3
C VIRGINIA K. WEEKLY	11-27-11.2
D JESSICA H. WEEKLY, ET VIR	11-27-11.9
E ROGER L. WEEKLY	11-27-11.7
F STEPHEN J. WEAVER	11-27-11.8
G EUGENE E. TETRICK	11-27-11.1
H JOHN R. WEEKLY	11-27-10
I DANIEL M. TETRICK	11-27-3.20
J DAVID M. TETRICK	11-27-3.2
K EDWARD W. HINEMAN, ET AL.	11-27-12.8
L EDWARD W. HINEMAN, ET AL.	11-27-12.3
M CRAIG A. HOLT, ET AL.	11-27-12.4
N CRAIG A. HOLT, ET AL.	11-27-1.5
O JAMES A. KELLAR, ET AL.	11-27-4.1

- AS-DRILLED**
- State Plane Coordinates  
West Virginia North  
Top Hole Location
- NAD 23 Feet  
N: 251811.051  
E: 1730313.260  
UTM Zone 17 (29C283) Meters  
N: 4268400.786  
E: 229088.877  
NAD 23  
N: 28463074  
W: 80312308  
Landing Point One Location
- NAD 23 Feet  
N: 246253.296  
E: 1736220.224  
UTM Zone 17 (29C283) Meters  
N: 4267820.144  
E: 228272.202  
NAD 23  
N: 28457823  
W: 80312329  
Inflection Point One Location
- NAD 23 Feet  
N: 246263.272  
E: 173504.045  
UTM Zone 17 (29C283) Meters  
N: 426864.237  
E: 22907.687  
NAD 23  
N: 28442862  
W: 80301172  
Inflection Point Two Location
- NAD 23 Feet  
N: 242228.078  
E: 1732805.816  
UTM Zone 17 (29C283) Meters  
N: 426602.225  
E: 228103.880  
NAD 23  
N: 28442823  
W: 80301829  
Bottom Hole Location
- NAD 23 Feet  
N: 241232.234  
E: 1732507.969  
UTM Zone 17 (29C283) Meters  
N: 426502.007  
E: 228025.802  
NAD 23  
N: 28441814  
W: 80294220



- PERMITTED**
- State Plane Coordinates  
West Virginia North  
Top Hole Location
- NAD 23 Feet  
N: 251811.051  
E: 1730313.260  
UTM Zone 17 (29C283) Meters  
N: 4268400.786  
E: 229088.877  
NAD 23  
N: 28463074  
W: 80312308  
Landing Point Location
- NAD 23 Feet  
N: 246253.296  
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UTM Zone 17 (29C283) Meters  
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UTM Zone 17 (29C283) Meters  
N: 426602.225  
E: 228103.880  
NAD 23  
N: 28442823  
W: 80301829  
Bottom Hole Location

- 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 W/ NORTH ZONE NAD 83.
  4. WELL ELEVATION ESTABLISHED BY RTK GPS NAD 88.
  5. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSASSOR AND COUNTY CLERK RECORDS OF MARION COUNTY IN AUGUST 2021 AND FILES PROVIDED BY XTO ENERGY INC.
  6. WELLS SHOWN ARE TAKEN FROM RECORDS OF WDEP AND SURVEYED LOCATIONS OF WELLS WITHIN 500' OF WELL BORE.

## JONES CONSULTANTS, LLC

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www.jonesconsultants.com (724) 757 - 2417

SUPPLEMENTAL SURFACE AND LESSOR EXHIBIT SANDS UNIT A 8A	
Drawn By: JRV	Date: 8/25/21
Scale: 1" = 1500'	Sheet: 2 OF 2
File No.: 1004837	Sheet: 2 OF 2
LINCOLN DISTRICT MARION COUNTY, WEST VIRGINIA	



01/21/2022