

MAY 12 2017

APPROVED

NAME: Eric *Blund*

DATE: 6-14-17

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WR-35
Rev. 8/23/13

WV Department of
Environmental Protection

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

API 47-09-00156 County BROOKE District BUFFALO
Quad BETHANY, WV Pad Name LINDA GREATHOUSE-BRK-PAD1 Field/Pool Name PANHANDLE FIELD
Farm name LINDA REEVES GREATHOUSE Well Number LINDA GREATHOUSE BRK 205H
Operator (as registered with the OOG) SWN PRODUCTION COMPANY, LLC
Address PO BOX 12359 City SPRING State TX Zip 77391-2359

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey

Top hole	Northing <u>4,450,486.933</u>	Easting <u>533,454.421</u>
Landing Point of Curve	Northing <u>4,450,903.062</u>	Easting <u>533,796.356</u>
Bottom Hole	Northing <u>4,453,098.029</u>	Easting <u>532,938.967</u>

Elevation (ft) 1139' 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)
SOBM

Date permit issued 7/23/2015 Date drilling commenced 8/12/2015 Date drilling ceased 10/14/2015
Date completion activities began 2/15/2017 Date completion activities ceased 3/16/2017
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

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

Freshwater depth(s) ft 300' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1025' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 300.99' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by: 09/15/2017

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**WV Department of
Environmental Protection**

API 47-09 - 00156

Farm name LINDA REEVES GREATHOUSE Well number LINDA GREATHOUSE BRK 205H

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	20	150	NEW	J-55/94#		Y
Surface	17.5	13.375	450	NEW	J-55/54.5#		Y, 19 BBLS
Coal	SURFACE						
Intermediate 1	12.25	9.625	2083	NEW	J-55/40#		Y, 46 BBLS
Intermediate 2							
Intermediate 3							
Production	8.75/8.50	5.5	13981	NEW	P-110/20#		Y
Tubing		2.375	6628	NEW	P-110/4.7#		N
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	CLASS A	370	17.20	1.29	477.3	SURFACE	24
Surface	CLASS A	530	15.60	1.19	630.7	SURFACE	8
Coal	SURFACE						
Intermediate 1	CLASS A	810	15.60	1.19	963.9	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	795/1821	15.60	1.23	977.85/2239.83	SURFACE	24
Tubing							

Drillers TD (ft) 13,981' Loggers TD (ft) 13,981'
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A
 Plug back procedure _____

Kick off depth (ft) 5620'

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: 7 CENTRALIZERS - EVERY THIRD JOINT OF CASING

INTERMEDIATE: 24 CENTRALIZERS - EVERY THIRD JOINT OF CASING

PRODUCTION: 181 CENTRALIZERS - EVERY THIRD JOINT FROM SURFACE TO TOP OF CURVE, THEN EVERY JOINT UNTIL TD

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 _____

LINDA GREATHOUSE BRK 205H
PERF SUMMARY

STAGE NUM	Perf Date	Perf Top MD	Perf Bottom MD	# SHOTS PER STG
1	2/16/2017	13,765	13,872	42
2	2/16/2017	13,625	13,732	42
3	2/16/2017	13,485	13,592	42
4	2/16/2017	13,345	13,452	42
5	2/17/2017	13,205	13,312	42
6	2/17/2017	13,065	13,172	42
7	2/17/2017	12,925	13,032	42
8	2/17/2017	12,785	12,892	42
9	2/17/2017	12,645	12,752	42
10	2/18/2017	12,505	12,612	42
11	2/18/2017	12,365	12,472	42
12	2/18/2017	12,225	12,332	42
13	2/18/2017	12,085	12,192	42
14	2/18/2017	11,945	12,052	42
15	2/19/2017	11,805	11,912	42
16	2/19/2017	11,665	11,772	42
17	2/19/2017	11,525	11,632	42
18	2/19/2017	11,385	11,492	42
19	2/19/2017	11,245	11,352	42
20	2/19/2017	11,105	11,212	42
21	2/20/2017	10,965	11,072	42
22	2/20/2017	10,825	10,932	42
23	2/20/2017	10,685	10,792	42
24	2/20/2017	10,545	10,652	42
25	2/20/2017	10,405	10,512	42
26	2/20/2017	10,265	10,372	42
27	2/21/2017	10,125	10,232	42
28	2/21/2017	9,985	10,092	42
29	2/21/2017	9,845	9,952	42
30	2/21/2017	9,705	9,812	42
31	2/21/2017	9,565	9,672	42
32	2/21/2017	9,425	9,532	42
33	2/22/2017	9,285	9,392	42
34	2/22/2017	9,145	9,252	42
35	2/22/2017	9,005	9,112	42
36	2/22/2017	8,865	8,972	42
37	2/22/2017	8,725	8,832	42
38	2/22/2017	8,585	8,692	42
39	2/22/2017	8,445	8,552	42
40	2/23/2017	8,305	8,412	42
41	2/22/2017	8,165	8,272	42
42	2/23/2017	8,025	8,132	42
43	2/23/2017	7,885	7,992	42
44	2/23/2017	7,745	7,852	42
45	2/23/2017	7,605	7,712	42
46	2/24/2017	7,465	7,572	42
47	2/24/2017	7,325	7,432	42
48	2/24/2017	7,185	7,292	42
49	2/24/2017	7,045	7,152	42
50	2/24/2017	6,905	7,012	42
51	2/25/2017	6,765	6,872	42
52	2/25/2017	6,625	6,732	42

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LINDA GREATHOUSE BRK 205H
FRAC STAGE SUMMARY

STAGE NUM	Ave Pump Stim Date	Ave Treatment Rate (BPM)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of water bbls	Amount of nitrogen/other
1	2/16/2017	97	8,231	9,101	4,033	276,960	5,383
2	2/16/2017	91	8,031	8,520	4,189	279,760	5,171
3	2/16/2017	92	7,940	8,615	4,190	300,840	4,968
4	2/16/2017	92	7,699	8,771	4,310	280,548	5,102
5	2/17/2017	90	8,358	9,038	5,547	282,100	5,083
6	2/17/2017	88	7,758	9,196	4,157	279,800	5,507
7	2/17/2017	94	7,647	8,471	4,239	279,040	5,121
8	2/17/2017	97	7,750	8,203	4,554	280,120	4,876
9	2/17/2017	92	7,655	9,209	4,493	280,680	5,133
10	2/18/2017	93	7,639	8,256	4,175	284,100	5,044
11	2/18/2017	91	7,722	8,166	4,491	280,180	4,854
12	2/18/2017	92	7,355	7,787	4,396	281,760	5,150
13	2/18/2017	98	7,804	8,032	4,499	281,960	4,655
14	2/18/2017	97	7,653	7,935	4,254	281,740	4,623
15	2/19/2017	94	7,438	7,716	4,351	283,480	5,273
16	2/19/2017	91	7,310	7,735	4,246	280,020	4,874
17	2/19/2017	92	7,353	7,784	4,351	275,980	5,077
18	2/19/2017	100	7,804	8,152	4,337	277,980	4,885
19	2/19/2017	94	7,603	8,654	4,395	278,900	4,546
20	2/19/2017	97	7,839	8,620	4,140	280,120	4,670
21	2/20/2017	91	7,395	8,745	4,384	280,760	4,809
22	2/20/2017	99	7,777	8,485	4,409	281,780	4,773
23	2/20/2017	99	7,580	8,418	4,335	281,960	4,675
24	2/20/2017	100	7,544	7,842	4,383	281,800	4,405
25	2/20/2017	98	7,410	7,812	4,581	281,160	4,416
26	2/20/2017	98	7,536	7,994	4,286	277,460	4,313
27	2/21/2017	98	7,611	8,930	4,409	282,660	5,698
28	2/21/2017	86	7,846	8,966	4,163	283,380	5,789
29	2/21/2017	98	7,473	8,387	4,557	277,100	4,497
30	2/21/2017	97	7,400	7,709	4,236	282,500	4,429
31	2/21/2017	98	7,381	8,228	4,360	280,740	4,376
32	2/21/2017	99	7,475	7,926	4,310	280,860	4,619
33	2/22/2017	100	7,281	7,917	4,409	277,100	4,436
34	2/22/2017	99	7,348	9,138	4,483	281,980	4,502
35	2/22/2017	100	7,022	8,292	4,384	281,800	4,429
36	2/22/2017	99	6,957	7,453	4,507	283,800	4,425
37	2/22/2017	99	6,928	7,746	4,310	277,080	4,342
38	2/22/2017	99	6,973	7,598	4,491	281,400	4,511
39	2/22/2017	99	7,136	8,364	4,360	282,900	4,378
40	2/23/2017	100	7,069	8,094	4,483	278,120	4,450
41	2/22/2017	101	7,080	8,028	4,212	280,080	4,345
42	2/23/2017	100	6,944	7,890	4,335	281,400	4,253
43	2/23/2017	99	6,756	7,876	4,360	282,920	4,244
44	2/23/2017	99	6,768	8,137	4,310	282,580	4,261
45	2/23/2017	98	6,796	7,892	4,335	276,260	4,976
46	2/24/2017	98	6,460	7,384	4,261	251,800	4,465
47	2/24/2017	92	6,419	7,631	4,286	279,960	4,510
48	2/24/2017	100	6,350	6,863	3,976	280,880	4,422
49	2/24/2017	97	6,745	7,780	4,056	283,760	4,499
50	2/24/2017	99	6,699	7,720	4,297	278,380	4,269
51	2/25/2017	100	6,720	7,735	4,132	277,040	4,552
52	2/25/2017	99	6,626	8,017	4,409	280,040	4,210

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Hydraulic Fracturing Fluid Product Component Information Disclosure

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Job Start Date:	2/16/2017
Job End Date:	2/25/2017
State:	West Virginia
County:	Brooke
API Number:	47-009-00156-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	Linda Greathouse BRK 205H
Latitude:	40.20411900
Longitude:	-80.60605000
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	5,783
Total Base Water Volume (gal):	10,320,828
Total Base Non Water Volume:	0

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	SWN	Carrier/Base Fluid	Water	7732-18-5	100.00000	83.67844	None
Sand (Proppant)	Keane	Proppant	Crystalline silica: Quartz (SiO2)	14808-60-7	100.00000	14.44352	None
Hydrochloric Acid (15%)	Keane	Acidizing	Water	7732-18-5	85.00000	1.52336	None
			Hydrochloric Acid	7647-01-0	15.00000	0.26883	None
KFR-17	Keane	Friction Reducer	Distillates (petroleum), hydrotreated light	64742-47-8	45.00000	0.03357	None
			ethanediol	107-21-1	10.00000	0.00746	None
			Fatty alcohols ethoxylated	Proprietary	2.00000	0.00149	None
			Alcohols, C12-16, ethoxylated	68213-24-1	2.00000	0.00149	None
KFEAC-30	Keane	Iron Control	acetic acid	64-19-7	60.00000	0.00452	None
			Citric acid	77-92-9	40.00000	0.00301	None
KAI-13	Keane	Acid Inhibitor	ethanediol	107-21-1	40.00000	0.00149	None

			dipropylene glycol, monomethyl ether	34590-94-8	20.00000	0.00075	None
			Cinnamaldehyde	104-55-2	10.00000	0.00037	None
			Tar bases, quinoline derivs., benzyl chloride-quaternized	72480-70-7	10.00000	0.00037	None
			Ethoxylated alcohol	88131-39-5	10.00000	0.00037	None
			formic acid	64-18-6	10.00000	0.00037	None
			propan-2-ol	67-63-0	5.00000	0.00019	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					
			Water	7732-18-5	85.00000	1.52336	
			ethanediol	107-21-1	10.00000	0.00746	
			Citric acid	77-92-9	40.00000	0.00301	
			Alcohols, C12-16, ethoxylated	68213-24-1	2.00000	0.00149	
			Fatty alcohols ethoxylated	Proprietary	2.00000	0.00149	
			dipropylene glycol, monomethyl ether	34590-94-8	20.00000	0.00075	
			Cinnamaldehyde	104-55-2	10.00000	0.00037	
			formic acid	64-18-6	10.00000	0.00037	
			Ethoxylated alcohol	88131-39-5	10.00000	0.00037	
			Tar bases, quinoline derivs., benzyl chloride-quaternized	72480-70-7	10.00000	0.00037	
			propan-2-ol	67-63-0	5.00000	0.00019	
			Water	7732-18-5	92.50000		
			ammonium chloride	12125-02-9	5.00000		
			Oxyalkylated alcohol	Proprietary	5.00000		

* 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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Well Name: LINDA GREATHOUSE BRK 205H

LITHOLOGY/FORMATION	TOP DEPTH, TVD (FT)	BOTTOM DEPTH, TVD (FT)	TOP DEPTH, MD (FT)	BOTTOM DEPTH, MD (FT)	QUANTITY AND TYPE OF FLUID
Base of Fresh Water	N.A.	300.00	N.A.	300.00	
Top of Salt Water	1025.00	N.A.	1025.00	N.A.	
Pittsburgh Coal	300.99	306.99	301.00	307.00	
Big Injun (ss)	1470.53	1961.90	1472.00	1969.00	
Berea (siltstone)	1961.90	5309.05	1969.00	5591.00	
Rhinestreet (shale)	5309.05	5557.66	5591.00	5880.96	
Cashaqua (shale)	5557.66	5609.05	5880.96	5949.91	
Middlesex (shale)	5609.05	5654.17	5949.91	6017.23	
Burket (shale)	5654.17	5676.05	6017.23	6053.89	
Tully (ls)	5676.05	5733.35	6053.89	6161.28	
Mahantango (shale)	5733.35	5733.35	6161.28	6484.35	
Marcellus (shale)	5733.35	N.A.	6484.35	N.A.	Gas

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RETTEW Associates, Inc.
27 Travato Street, Suite 101
Bridgeport, WV 26330
Phone (800) 738-8365
Email: rettew@rettew.com
Website: www.rettew.com

AS-DRILLED PROPERTY OWNERS

TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	LINDA REEVES GREATHOUSE (S)/(R) VICKI LYNN HAMILTON (S)/(R)	03-837-0087-0000	±323.19
2	JAMES & JO ELLEN HAIZLETT (S)	03-842-0060-0002	±65.47
3	BRIAN K. & GINA M. HANEY (S)	03-837-0077-0000	±45.75
4	DEBRA F.-CYPHERT 1/4 (S)/(R) MATTHEW H. FAIR, 1/4, ETAL (S)/(R)	03-837-0088-0000	±59.95
5	DEBRA F.-CYPHERT 1/4 (S)/(R) MATTHEW H. FAIR, 1/4, ETAL (S)/(R)	03-837-0091-0000	±93.93
6	SCHIAPPA & COMPANY INC. (S)	03-837-0023-0000	±90.91
7	SCHIAPPA & COMPANY INC. (S)/(R)	03-837-0022-0000	±145.96
8	HARLEY J. LEMASTERS (S)/(R)	03-837-0013-0000	±33.54

TRACT	ADJOINING PROPERTY OWNERS	TAX PARCEL	ACRES
A	ROCCO BASIL	03-842-0019-0000	±100.05
B	RICKEY & DEBRA CONLEY	03-842-0018-0000	±2.14
C	EDWARD E. & NANCY J. CONLEY	03-842-0016-0000	±0.74
D	EDWARD E. & NANCY J. CONLEY	03-842-0015-0000	±3.10
E	DANIEL R. GORBY	03-842-0026-0000	±1.97
F	DANIEL R. GORBY	03-842-0003-0000	±5.00
G	SAMUEL M. HALL	03-842-0001-0000	±18.12
H	VICTOR CHARLES SMITH	03-837-0130-0000	±27.35
I	CHRISTOPHER SCOTT MILLER	03-837-0094-0000	±24.20
J	KEVIN CHUMNEY	03-837-0093-0000	±5.91
K	DONALD G. CONAWAY	03-837-0092-0000	±3.97
L	WAYNE ALLEN RICHMOND	03-837-0096-0000	±19.67
M	VICKIE C. & SHEENA R. LOUGHERY	03-837-0103-0000	±40.00
N	VICKIE C. & SHEENA R. LOUGHERY	03-837-0041-0000	±41.00
O	RALPH JR & CAROL J. WALINDHA	03-837-0034-0000	±6.79
P	RALPH JR & CAROL J. WALINDHA	03-837-0033-0000	±0.80
Q	JAMES W. & LISA GIBSON	03-837-0028-0000	±4.05
R	HARLEY J. LEMASTERS	03-837-0021-0000	±31.17
S	THOMAS & CAROLYN CARBASHO	03-837-0016-0000	±7.29
T	THOMAS W. & CAROLYN L. CARBASHO	03-837-0015-0000	±5.00
U	MICHAEL MCCLLOUD	03-837-0018-0000	±1.08
V	RONALD D. & JEAN A. TAYLOR	03-837-0019-0000	±1.08
W	HARLEY J. LEMASTERS	03-837-0012-0000	±2.00
X	RONALD D. & JEAN A. TAYLOR	03-837-0011-0000	±11.96
Y	NILA BOYD, CLINTON MCCORD, JOHN JOHN, REBA JOHN, & CAROLYN JONES	03-832-0146-0000	±29.06
Z	CITY OF WELLSBURG COMBINED WATER & SEWER BOARD	03-832-0140-0002	±89.58
AA	MARILYN ROSETTA MCCORD	03-837-0042-0000	±34.25
BB	JOHN A. & BARBARA A. MCGREARY	03-837-0043-0000	±29.00
CC	VIVIAN LUCILLE MAZZELLA	03-837-0045-0000	±110.58
DD	WILLIAM E. & HAZEL E. JOHNSTON	03-837-0050-0000	±166.50
EE	ROBERT D. BONE	03-837-0081-0000	±81.99
FF	DAVID E. DEGARMO	03-837-0082-0000	±1.00
GG	TERRENCE & SUSAN BONE	03-837-0080-0000	±2.58
HH	JOHN T., HARVEY JR & SANDRA JOHNSTON, ETAL	03-837-0079-0000	±2.17
II	BENJAMIN M. MOSA & CHRISTINE L. HEISE	03-837-0074-0000	±24.41
JJ	WILLIAM A. III & JENNA L. SPERRINGER	03-837-0078-0000	±2.36
KK	LPS INVESTMENT PARTNERSHIP	03-837-0066-0000	±65.00
LL	ELLEN B. SANFORD	03-837-0076-0000	±66.00
MM	EDGAR S. & CECELIA M. ERDMAN	03-842-0049-0000	±0.83
NN	LABELLE FARMS INC.	03-842-0060-0000	±349.88
OO	JEFFREY S. & DAWNA J. WARD	03-842-0059-0004	±98.11
PP	AUSTIN WAYNE & JUSTINE ADAH WADE	03-842-0050-0000	±4.94
QQ	AUSTIN WAYNE & JUSTINE ADAH WADE	03-842-0050-0001	±0.67
RR	PHYLLIS P. MARKER	03-842-0052-0000	±91.51
SS	STEPHEN KOREN	03-837-0090-0000	±2.04
TT	ROBERT BONE	03-837-0089-0000	±0.78
UU	CARL R. & SANDRA S. CLARK	03-837-0086-0000	±0.83
VV	MICHAEL ARAGICH	03-837-0085-0000	±0.72
WW	KAREN K. TOBER	03-837-0084-0000	±0.24
XX	EUGENE EDWARD RINDERER	03-837-0083-0000	±0.13

09/15/2017


REVISIONS:	COMPANY:		DATE: 12-16-2015	
	OPERATOR'S	LINDA GREATHOUSE BRK		DRAWN BY: B. HERMAN
	WELL #:	205H		SCALE: N/A
	LOCATION:	BUFFALO DISTRICT, BROOKE COUNTY, WEST VIRGINIA		DRAWING NO: 087569015 ADJOINING OWNERS

A2-DRILLED
PROPERTY OWNERS

TRACT	SURFACE OWNER(S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	LINDA REEVES GREATHOUSE (2) \ (R) VICKI LYNN HAMILTON (2) \ (R)	03-837-0087-0000	±23.79
2	JAMES & JO ELLEN HAZLETT (2)	03-837-0080-0003	±8.47
3	BRIAN K. & DINN M. HANEY (2)	03-837-0077-0000	±4.25
4	DEBRA F. - CYPHERT \ \ \ \ (2) \ (R) MATTHEW H. FAIR, \ \ \ \ ETAL (2) \ (R)	03-837-0088-0000	±9.95
5	DEBRA F. - CYPHERT \ \ \ \ (2) \ (R) MATTHEW H. FAIR, \ \ \ \ ETAL (2) \ (R)	03-837-0091-0000	±9.93
6	SCHIAFFA & COMPANY INC. (2)	03-837-0027-0000	±9.91
7	SCHIAFFA & COMPANY INC. (2) \ (R)	03-837-0025-0000	±12.98
8	HARLEY J. LEMASTERS (2) \ (R)	03-837-0073-0000	±33.24

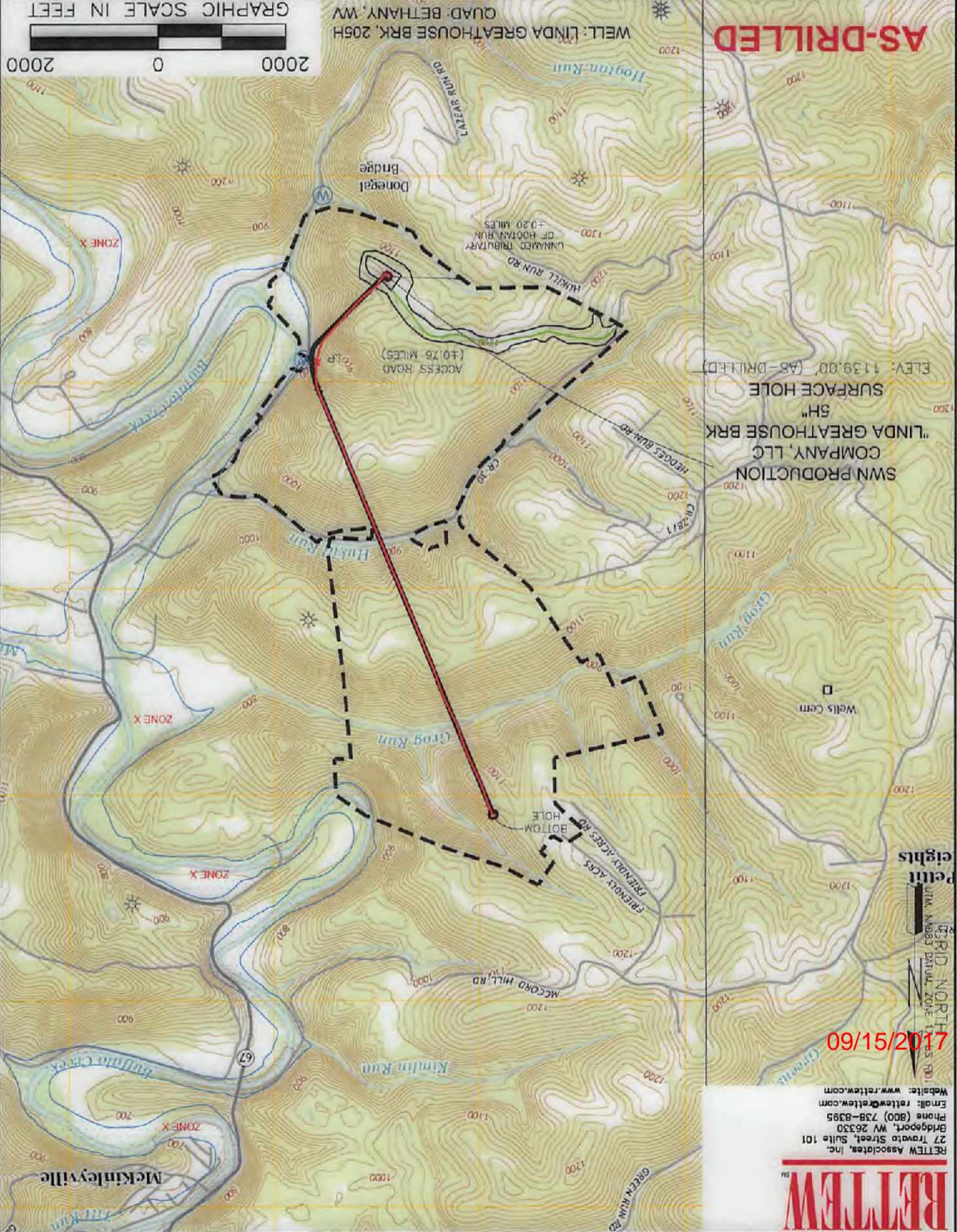
TRACT	ADJOINING PROPERTY OWNERS	TAX PARCEL	ACRES
A	ROCCO BASIL	03-837-0078-0000	±100.05
B	RICKY & DEBRA CONLEY	03-837-0078-0000	±3.14
C	EDWARD E. & NANCY J. CONLEY	03-837-0078-0000	±0.74
D	EDWARD E. & NANCY J. CONLEY	03-837-0078-0000	±3.10
E	DANIEL R. GORBY	03-837-0028-0000	±1.87
F	DANIEL R. GORBY	03-837-0003-0000	±3.00
G	SAMUEL M. HALL	03-837-0001-0000	±18.12
H	VICTOR CHARLES SMITH	03-837-0130-0000	±33.25
I	CHRISTOPHER SCOTT MILLER	03-837-0084-0000	±24.20
J	KEVIN CHUMNEY	03-837-0093-0000	±2.91
K	DONALD G. CONWAY	03-837-0093-0000	±2.93
L	WAYNE ALLEN RICHMOND	03-837-0088-0000	±19.87
M	VICKIE C. & SHEENA R. LOUGHERY	03-837-0103-0000	±40.00
N	VICKIE C. & SHEENA R. LOUGHERY	03-837-0041-0000	±17.00
O	RALPH JR. & CAROL J. WALONAH	03-837-0024-0000	±5.29
P	RALPH JR. & CAROL J. WALONAH	03-837-0023-0000	±0.80
Q	JAMES W. & LISA GIBSON	03-837-0028-0000	±1.08
R	HARLEY J. LEMASTERS	03-837-0021-0000	±21.17
S	THOMAS & CAROLYN CARBASHO	03-837-0018-0000	±3.29
T	THOMAS W. & CAROLYN J. CARBASHO	03-837-0018-0000	±2.00
U	MICHAEL MCGLOTH	03-837-0078-0000	±1.08
V	RONALD D. & JEAN A. TAYLOR	03-837-0078-0000	±1.08
W	HARLEY J. LEMASTERS	03-837-0073-0000	±2.00
X	RONALD D. & JEAN A. TAYLOR	03-837-0071-0000	±1.98
Y	MILA BOYD, CLINTON MCCORD, JOHN JOHN, REBA JOHN, & CAROLYN JONES	03-837-0148-0000	±59.08
Z	CITY OF WELLSBURG COMBINED WATER & SEWER BOARD	03-837-0140-0003	±99.98
AA	MARILYN ROSETTA MCCORD	03-837-0045-0000	±4.28
BB	JOHN A. & BARBARA A. MCGREARY	03-837-0043-0000	±29.00
CC	VIVIAN LUCILLE MAZZELLA	03-837-0048-0000	±10.28
DD	WILLIAM E. & HAZEL E. JOHNSTON	03-837-0080-0000	±18.80
EE	ROBERT G. BONE	03-837-0081-0000	±1.98
FF	DAVID E. DEGRANO	03-837-0082-0000	±1.00
GG	TERENCE & SUSAN BONE	03-837-0080-0000	±5.28
HH	JOHN T., HARVEY JR. & SANDRA JOHNSTON, ETAL	03-837-0079-0000	±5.17
II	BENJAMIN M. MOSA & CHRISTINE L. HEISE	03-837-0074-0000	±4.47
JJ	WILLIAM A. III & JENNA L. SPRINGER	03-837-0078-0000	±5.28
KK	LPS INVESTMENT PARTNERSHIP	03-837-0088-0000	±52.00
LL	ELLEN B. SANFORD	03-837-0078-0000	±8.00
MM	EDGAR S. & CECILIA M. ERDMAN	03-837-0048-0000	±0.83
NN	LABELLE FARMS INC.	03-837-0080-0000	±39.88
OO	JERRY S. & DAWN J. WARD	03-837-0089-0004	±8.71
PP	AUSTIN WAYNE & JUSTINE ADAM WADE	03-837-0080-0000	±4.94
QQ	AUSTIN WAYNE & JUSTINE ADAM WADE	03-837-0080-0001	±0.87
RR	PHYLLIS P. MARKER	03-837-0025-0000	±17.21
SS	STEPHEN KOREN	03-837-0080-0000	±3.04
TT	ROBERT BONE	03-837-0088-0000	±0.78
UU	CARL R. & SANDRA S. CLARK	03-837-0088-0000	±0.83
VV	MICHAEL ARADICH	03-837-0082-0000	±0.73
WW	KAREN K. TOBER	03-837-0084-0000	±0.24
XX	EUGENE EDWARD RINDERER	03-837-0083-0000	±0.12

09/15/2017

		COMPANY:	REVISIONS:
DATE: 12-16-2012	LINDA GREATHOUSE BRK	OPERATOR'S:	
DRAWN BY: B. HERMAN	205H	WELL #:	
SCALE: N/A	BUFFALO DISTRICT,	LOCATION:	
DRAWING NO: 087588015	BROOKE COUNTY, WEST VIRGINIA		
ADJOINING OWNERS			

09/15/2017

GRID NORTH
115.701
UTM, NAD83 DATUM, ZONE 17N



AS-DRILLED

SWN PRODUCTION
"LINDA GREATHOUSE BRK
5H"
SURFACE HOLE
ELEV: 1139.00' (AS-DRILLED)

WELL: LINDA GREATHOUSE BRK, 205H
QUAD: BETHANY, WV

GRAPHIC SCALE IN FEET
0 1000 2000

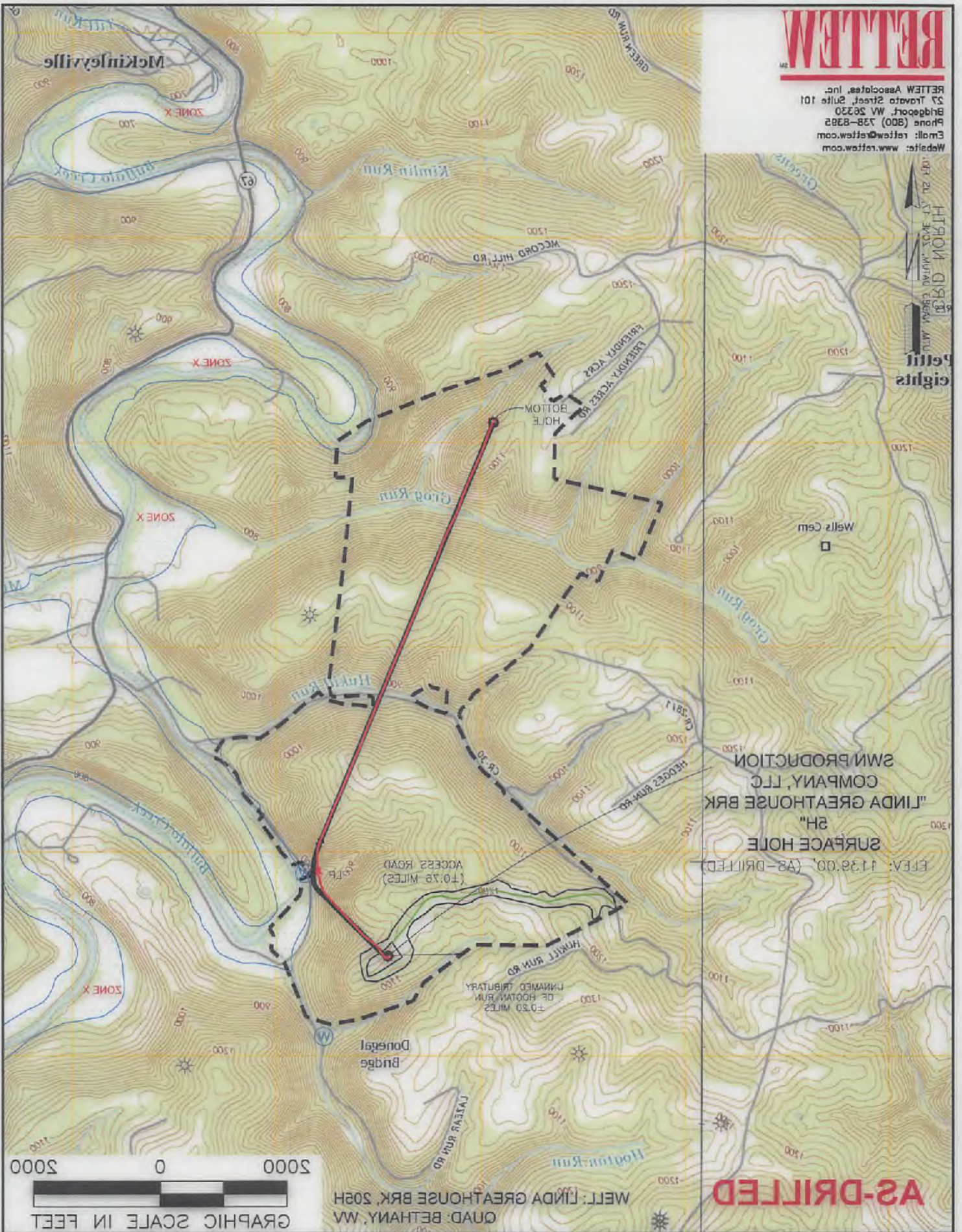
NAME AND DISTANCE TO THE NEAREST STREAM:
HOGTAN RUN IS LOCATED ±0.30 MILES SOUTHEAST
OF THE CENTER OF THE DRILL PAD.
NO NEW CROSSINGS
COMPANY: **SWN** Production Company, LLC
SWN Production Company, LLC

WELL RESTRICTIONS:
WELL PAD, LOD, & E & S CONTROL FEATURES TO PERENNIAL STREAM, LAKE, POND,
RESERVOIR OR WETLAND >100 FEET
WELL PAD, LOD, & E & S CONTROL FEATURES TO NATURALLY PRODUCING TROUT STREAM
>300 FEET
WELL PAD, LOD, & E & S CONTROL FEATURES TO GROUNDWATER INTAKE OR PUBLIC WATER
SUPPLY >1000 FEET
WELL SHL TO EXISTING WATER WELL OR DEVELOPED SPRING >250 FEET
CENTER OF PAD TO OCCUPIED DWELLING STRUCTURE >825 FEET
CENTER OF PAD TO AGRICULTURAL BUILDINGS LARGER THAN 2500 SQ FT >825 FEET

FEWA FLOOD INFORMATION:
BY GRAPHIC PLOTTING ONLY FEWA FIRM INCORPORATED AREA OF BROOKE COUNTY, WEST
VIRGINIA, MAP NUMBER 54009C01300; EFFECTIVE DATE: APRIL 19, 2010.
FLOOD ZONE X IS SITUATED WITHIN THE LEASE BOUNDARY.

REVISIONS:
DATE: 12-16-2015
DRAWN BY: B. HERMAN
SCALE: 1" = 2000'
DRAWING NO: 087569015
TOPOGRAPHIC MAP
PROPERTY NUMBER 250116306

LEGEND:
PROPOSED SURFACE HOLE / BOTTOM HOLE
EXISTING / PRODUCING WELLHEAD
EXISTING WATER WELL
EXISTING SPRING
CUT CONDUCTOR
PLUGGED & ABANDONED WELL
ABANDONED WELL
ACCESS ROAD
ACCESS ROAD TO PREV. SITE
HIGHWAY/INTERSTATE
COUNTY ROAD



NORTH
 0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000
 Elevation in Feet

<p>LEGEND:</p> <ul style="list-style-type: none"> ○ PROPOSED SURFACE HOLE \ BOTTOM HOLE ⊗ EXISTING \ PRODUCING WELLHEAD ⊗ ABANDONED WELL ⊗ PLUGGED & ABANDONED WELL △ CUT CONDUCTOR ⊗ EXISTING SPRING ⊗ EXISTING WATER WELL — ACCESS ROAD — ACCESS ROAD TO PREV. SITE — HIGHWAY/INTERSTATE — COUNTY ROAD 		<p>REVISIONS:</p> <p>DATE: 12-16-2015</p> <p>DRAWN BY: B. HERMAN</p> <p>SCALE: 1" = 2000'</p> <p>DRAWING NO: 087589015</p> <p>TOPOGRAPHIC MAP</p> <p>PROPERTY NUMBER 2501163051</p>	
<p>COMPANY: SWN Production Company, LLC</p> <p>OPERATOR'S: LINDA GREATHOUSE BRK</p> <p>WELL #: 205H</p> <p>LOCATION: BROOKE COUNTY, WEST VIRGINIA BUFFALO DISTRICT</p> <p>SURFACE HOLE LOCATION:</p> <p>LONGITUDE: -80.812827 LATITUDE: 40.237884 GEOGRAPHIC (NAD83):</p> <p>BOTTOM HOLE LOCATION:</p> <p>LONGITUDE: -80.812827 LATITUDE: 40.237884 GEOGRAPHIC (NAD83):</p>		<p>WELL RESTRICTIONS:</p> <p>WELL PAD, LOD, & E & S CONTROL FEATURES TO PERENNIAL STREAM, LAKE, POND, RESERVOIR OR WETLAND: > 100 FEET</p> <p>WELL PAD, LOD, & E & S CONTROL FEATURES TO NATURALLY PRODUCING TROUT STREAM: > 300 FEET</p> <p>WELL PAD, LOD, & E & S CONTROL FEATURES TO GROUNDWATER INTAKE OR PUBLIC WATER SUPPLY: > 1000 FEET</p> <p>WELL SHL TO EXISTING WATER WELL OR DEVELOPED SPRING: > 250 FEET</p> <p>CENTER OF PAD TO OCCUPIED DWELLING STRUCTURE: > 825 FEET</p> <p>CENTER OF PAD TO AGRICULTURAL BUILDING LARGER THAN 2500 SQ FT: > 825 FEET</p> <p>FEET TO SPRING</p>	
<p>NAME AND DISTANCE TO THE NEAREST STREAM:</p> <p>HOOHAN RUN IS LOCATED 4.03 MILES SOUTHWEST OF THE CENTER OF THE DRILL PAD. NO NEW CROSSINGS.</p> <p>STREAM CROSSING COORDINATES (NAD 83):</p>		<p>BY GRAPHIC PLOTTING ONLY FEM FIRM INCORPORATED AREA OF BROOKE COUNTY, WEST VIRGINIA; MAP NUMBER 240060130D; EFFECTIVE DATE: APRIL 18, 2010.</p> <p>FLOOD ZONE X IS SITUATED WITHIN THE LEASE BOUNDARY.</p>	

09/15/2017

RETTEW

RETTEW Associates, Inc.
27 Travato Street, Suite 101
Bridgeport, WV 26330
Phone (800) 738-8395
Email: rettew@rettew.com
Website: www.rettew.com

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,450,486.933 EASTING: 533,454.421
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,450,903.062 EASTING: 533,796.356
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,453,098.029 EASTING: 532,938.967

GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

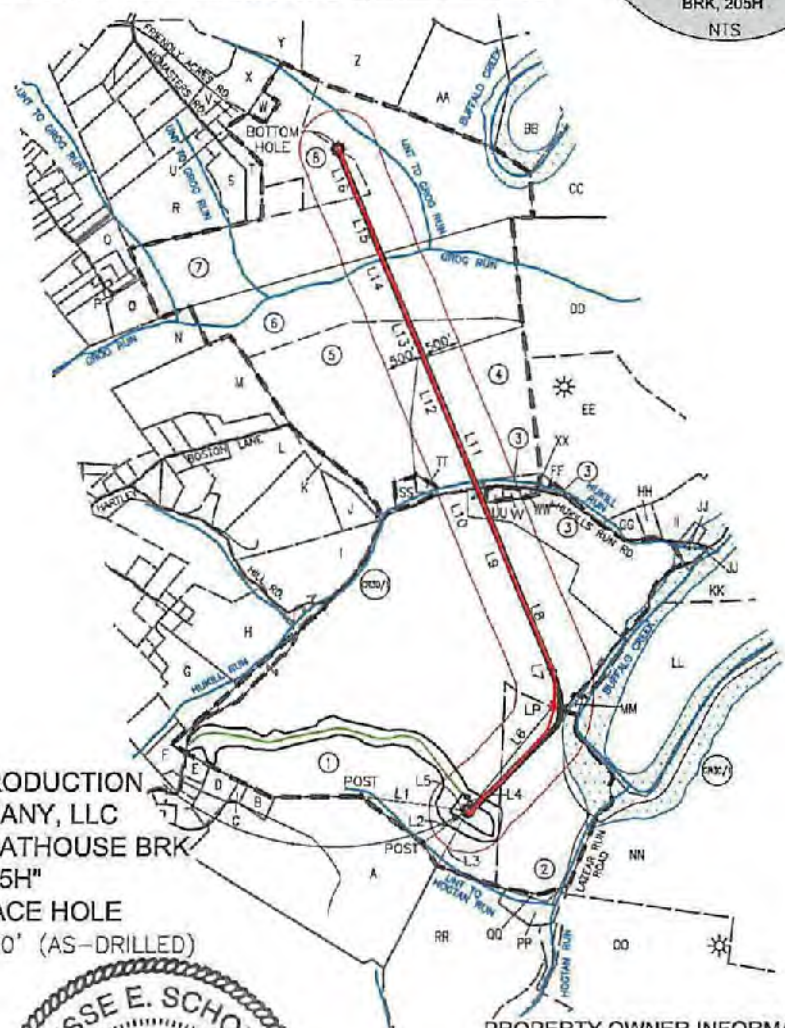
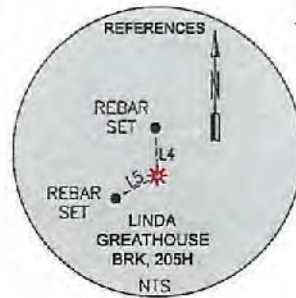
AS-DRILLED

SHL

Latitude: 40°12'30"

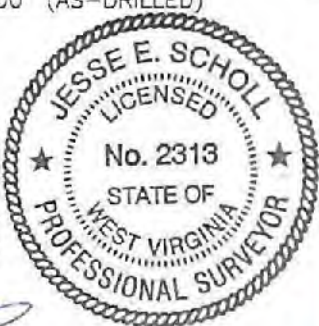
Longitude: 80°35'00"

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 82°31'55" W	1405.49'	SHL TO LANDMARK	FENCE POST
L2	S 53°55'12" W	718.06'	SHL TO LANDMARK	FENCE POST
L3	S 28°58'39" W	822.22'	SHL TO LANDMARK	FOUND STONE
L4	N 02°48'30" W	176.50'	SHL TO REF. PNT.	1/2" REBAR SET
L5	S 61°27'29" W	183.15'	SHL TO REF. PNT.	1/2" REBAR SET
L6	N 39°24'36" E	1767.03'	SHL TO LP	
L7	N 10°48'48" W	757.31'	AS-DRILLED BORE	
L8	N 23°07'13" W	926.68'	AS-DRILLED BORE	
L9	N 22°27'53" W	833.58'	AS-DRILLED BORE	
L10	N 22°14'24" W	556.88'	AS-DRILLED BORE	
L11	N 22°50'19" W	926.81'	AS-DRILLED BORE	
L12	N 22°09'44" W	649.71'	AS-DRILLED BORE	
L13	N 21°44'07" W	927.42'	AS-DRILLED BORE	
L14	N 23°59'28" W	740.49'	AS-DRILLED BORE	
L15	N 21°50'37" W	648.99'	AS-DRILLED BORE	
L16	N 21°38'20" W	778.02'	AS-DRILLED BORE	

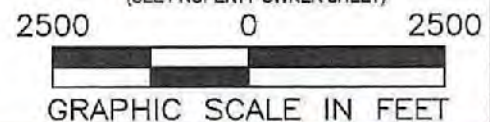


- NOTES ON SURVEY**
- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
 - SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
 - THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
 - NO DWELLINGS AND BUILDINGS WITHIN 825 FEET OF PROPOSED OF CENTER OF PAD.
 - NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
 - NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
 - NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

SWN PRODUCTION COMPANY, LLC
"LINDA GREATHOUSE BRK 5H"
SURFACE HOLE
ELEV: 1139.00' (AS-DRILLED)



PROPERTY OWNER INFORMATION (SEE PROPERTY OWNER SHEET)



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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 2313

COMPANY: **SWN** Production Company, LLC

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	LINDA GREATHOUSE BRK			
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)	OPERATOR'S WELL #:	205H		
			API WELL #:	47	09	00156
				STATE	COUNTY	PERMIT

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: UPPER OHIO SOUTH ELEVATION: ±1139.00 (AS-DRILLED)

DISTRICT: BUFFALO COUNTY: BROOKE QUADRANGLE: BETHANY, WV

SURFACE OWNER: LINDA REEVES GREATHOUSE ACREAGE: ±323.19

OIL & GAS ROYALTY OWNER: LINDA REEVES GREATHOUSE ACREAGE: ±760.60

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) AS-DRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,862' TVD 13,981' TMD

09/15/2017

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: DEE SOUTHALL

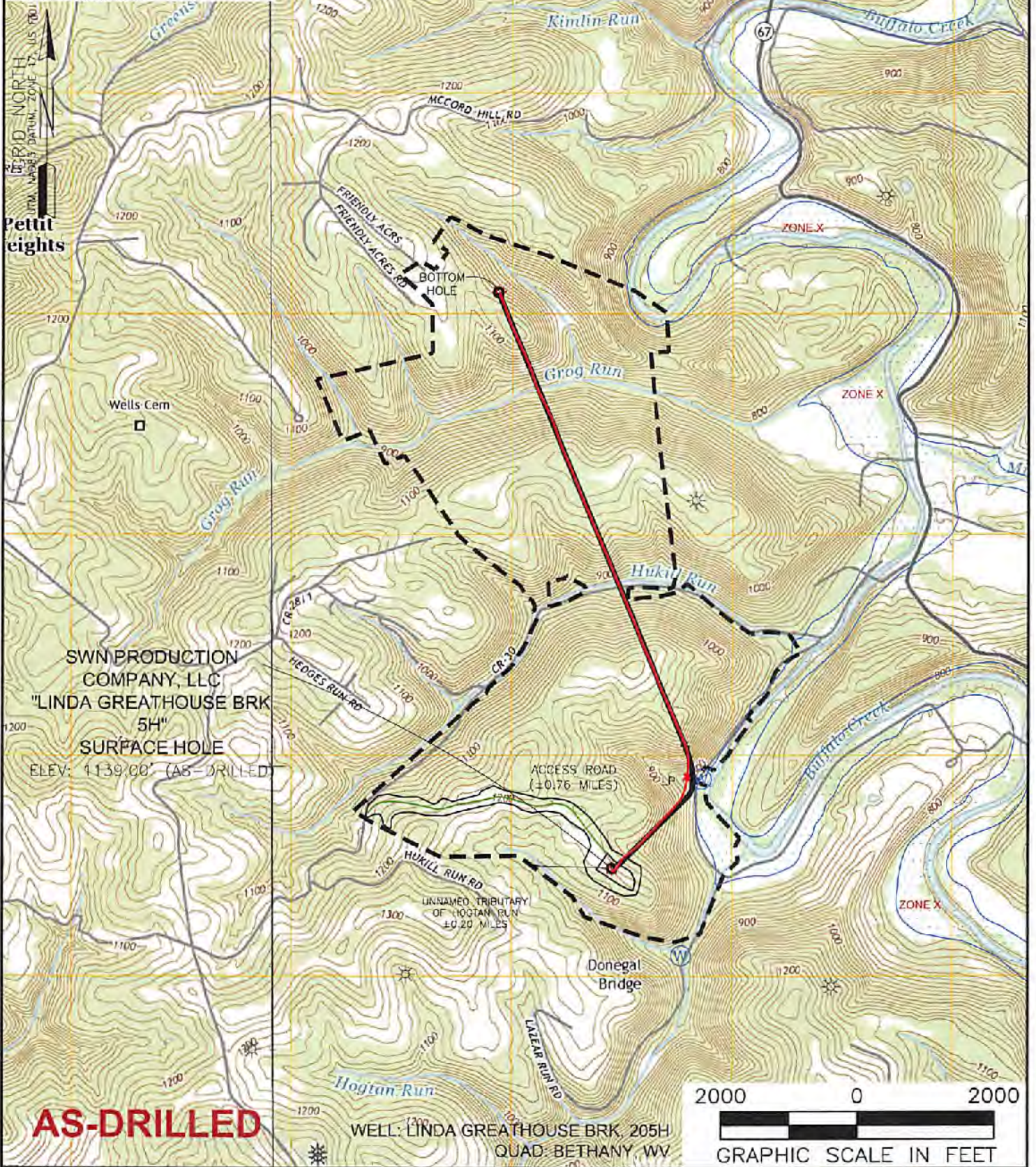
ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300

CITY: JANE LEW STATE: WV ZIP CODE: 26378 CITY: JANE LEW STATE: WV ZIP CODE: 26378

LEGEND:	--- TIE LINE	REVISIONS:	DATE: 12-16-2015
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	--- LEASE BOUNDARY		
○ EXISTING / PRODUCING WELLHEAD	--- 500' DHP BUFFER		
○ ABANDONED WELL	--- PROPOSED DHP		
○ PLUGGED & ABANDONED WELL	--- AS-DRILLED DHP		
△ CUT CONDUCTOR	--- ABANDONED PATH		
			DRAWN BY: B. HERMAN
			SCALE: 1" = 2500'
			DRAWING NO: 087569015
			WELL LOCATION PLAT

RETTEW

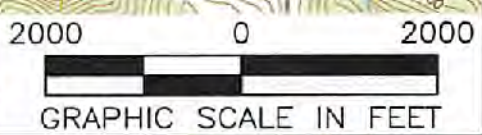
RETTEW Associates, Inc.
27 Travato Street, Suite 101
Bridgeport, WV 26330
Phone (800) 738-8395
Email: rettetw@rettetw.com
Website: www.rettetw.com



AS-DRILLED

SWN PRODUCTION COMPANY, LLC
"LINDA GREATHOUSE BRK 205H"
SURFACE HOLE
ELEV: 1139.00' (AS-DRILLED)

WELL: LINDA GREATHOUSE BRK, 205H
QUAD: BETHANY, WV



NAME AND DISTANCE TO THE NEAREST STREAM: HOGTAN RUN IS LOCATED ±0.30 MILES SOUTHEAST OF THE CENTER OF THE DRILL PAD.		STREAM CROSSING COORDINATES (NAD 83): NO NEW CROSSINGS.		COMPANY: 	
WELL RESTRICTIONS: WELL PAD, LOD, & E & S CONTROL FEATURES TO PERENNIAL STREAM, LAKE, POND, RESERVOIR OR WETLAND: >100 FEET WELL PAD, LOD, & E & S CONTROL FEATURES TO NATURALLY PRODUCING TROUT STREAM: >300 FEET WELL PAD, LOD, & E & S CONTROL FEATURES TO GROUNDWATER INTAKE OR PUBLIC WATER SUPPLY: >1000 FEET WELL SHL TO EXISTING WATER WELL OR DEVELOPED SPRING: >250 FEET CENTER OF PAD TO OCCUPIED DWELLING STRUCTURE: >625 FEET CENTER OF PAD TO AGRICULTURAL BUILDINGS LARGER THAN 2500 SQ FT: >625 FEET		OPERATOR'S LINDA GREATHOUSE BRK		WELL #: 205H	
FEMA FLOOD INFORMATION: BY GRAPHIC PLOTTING ONLY FEMA FIRM INCORPORATED AREA OF BROOKE COUNTY, WEST VIRGINIA, MAP NUMBER 54009C01300; EFFECTIVE DATE: APRIL 19, 2010. FLOOD ZONE X IS SITUATED WITHIN THE LEASE BOUNDARY.		LOCATION: BUFFALO DISTRICT, BROOKE COUNTY, WEST VIRGINIA		SURFACE HOLE LOCATION: GEOGRAPHIC (NAD83): LATITUDE: 40.204119° LONGITUDE: -80.606905° 09/15/2017	
LEGEND: PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELL HEAD ABANDONED WELL PLUGGED & ABANDONED WELL CUT CONDUCTOR EXISTING SPRING EXISTING WATER WELL ACCESS ROAD ACCESS ROAD TO PREV. SITE HIGHWAY/INTERSTATE COUNTY ROAD		BOTTOM HOLE LOCATION: GEOGRAPHIC (NAD83): LATITUDE: 40.227664° LONGITUDE: -80.612827°		REVISIONS: DATE: 12-16-2015 DRAWN BY: B. HERMAN SCALE: 1" = 2000' DRAWING NO: 087569015 TOPOGRAPHIC MAP	



RETTEW Associates, Inc.
 27 Travato Street, Suite 101
 Bridgeport, WV 26330
 Phone (800) 738-8395
 Email: rettew@rettew.com
 Website: www.rettew.com

AS-DRILLED

PROPERTY OWNERS

TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	LINDA REEVES GREATHOUSE (S)/(R) VICKI LYNN HAMILTON (S)/(R)	03-B37-0087-0000	±323.19
2	JAMES & JO ELLEN HAZLETT (S)	03-B42-0060-0002	±65.47
3	BRIAN K. & GINA M. HANEY (S)	03-B37-0077-0000	±45.75
4	DEBRA F.-CYPHERT 1/4 (S)/(R) MATTHEW H. FAIR, 1/4, ETAL (S)/(R)	03-B37-0088-0000	±59.95
5	DEBRA F.-CYPHERT 1/4 (S)/(R) MATTHEW H. FAIR, 1/4, ETAL (S)/(R)	03-B37-0091-0000	±93.93
6	SCHIAPPA & COMPANY INC. (S)	03-B37-0023-0000	±90.91
7	SCHIAPPA & COMPANY INC. (S)/(R)	03-B37-0022-0000	±145.96
8	HARLEY J. LEMASTERS (S)/(R)	03-B37-0013-0000	±33.54

TRACT	ADJOINING PROPERTY OWNERS	TAX PARCEL	ACRES
A	ROCCO BASIL	03-B42-0019-0000	±100.05
B	RICKEY & DEBRA CONLEY	03-B42-0018-0000	±2.14
C	EDWARD E. & NANCY J. CONLEY	03-B42-0016-0000	±0.74
D	EDWARD E. & NANCY J. CONLEY	03-B42-0015-0000	±3.10
E	DANIEL R. GORBY	03-B42-0026-0000	±1.97
F	DANIEL R. GORBY	03-B42-0003-0000	±5.00
G	SAMUEL M. HALL	03-B42-0001-0000	±18.12
H	VICTOR CHARLES SMITH	03-B37-0130-0000	±27.35
I	CHRISTOPHER SCOTT MILLER	03-B37-0094-0000	±24.20
J	KEVIN CHUMNEY	03-B37-0093-0000	±5.91
K	DONALD G. CONAWAY	03-B37-0092-0000	±3.97
L	WAYNE ALLEN RICHMOND	03-B37-0095-0000	±19.67
M	VICKIE C. & SHEENA R. LOUGHERY	03-B37-0103-0000	±40.00
N	VICKIE C. & SHEENA R. LOUGHERY	03-B37-0041-0000	±41.00
O	RALPH JR & CAROL J. WALNOHA	03-B37-0034-0000	±6.79
P	RALPH JR & CAROL J. WALNOHA	03-B37-0033-0000	±0.80
Q	JAMES W. & LISA GIBSON	03-B37-0028-0000	±4.06
R	HARLEY J. LEMASTERS	03-B37-0021-0000	±31.17
S	THOMAS & CAROLYN CARBASHO	03-B37-0016-0000	±7.29
T	THOMAS W. & CAROLYN L. CARBASHO	03-B37-0015-0000	±5.00
U	MICHAEL MCCLLOUD	03-B37-0018-0000	±1.08
V	RONALD D. & JEAN A. TAYLOR	03-B37-0019-0000	±1.08
W	HARLEY J. LEMASTERS	03-B37-0012-0000	±2.00
X	RONALD D. & JEAN A. TAYLOR	03-B37-0011-0000	±11.96
Y	NILA BOYD, CLINTON MCCORD, JOHN JOHN, REBA JOHN, & CAROLYN JONES	03-B32-0146-0000	±29.06
Z	CITY OF WELLSBURG COMBINED WATER & SEWER BOARD	03-B32-0140-0002	±89.58
AA	MARILYN ROSETTA MCCORD	03-B37-0042-0000	±34.26
BB	JOHN A. & BARBARA A. MCCREARY	03-B37-0043-0000	±29.00
CC	VIVIAN LUCILLE MAZZELLA	03-B37-0045-0000	±110.58
DD	WILLIAM E. & HAZEL E. JOHNSTON	03-B37-0050-0000	±166.50
EE	ROBERT O. BONE	03-B37-0081-0000	±81.99
FF	DAVID E. DEGARMO	03-B37-0082-0000	±1.00
GG	TERRENCE & SUSAN BONE	03-B37-0080-0000	±2.58
HH	JOHN T. HARVEY JR & SANDRA JOHNSTON, ETAL	03-B37-0079-0000	±2.17
II	BENJAMIN M. MOSA & CHRISTINE L. HEISE	03-B37-0074-0000	±24.41
JJ	WILLIAM A. III & JENNA L. SPERRINGER	03-B37-0078-0000	±2.36
KK	LPS INVESTMENT PARTNERSHIP	03-B37-0066-0000	±65.00
LL	ELLEN B. SANFORD	03-B37-0076-0000	±66.00
MM	EDGAR S. & CECELIA M. ERDMAN	03-B42-0049-0000	±0.83
NN	LABELLE FARMS INC	03-B42-0060-0000	±349.88
OO	JEFFREY S. & DAWNA J. WARD	03-B42-0059-0004	±98.11
PP	AUSTIN WAYNE & JUSTINE ADAH WADE	03-B42-0050-0000	±4.94
QQ	AUSTIN WAYNE & JUSTINE ADAH WADE	03-B42-0060-0001	±0.67
RR	PHYLLIS P. MARKER	03-B42-0052-0000	±91.51
SS	STEPHEN KOREN	03-B37-0090-0000	±2.04
TT	ROBERT BONE	03-B37-0089-0000	±0.78
UU	CARL R. & SANDRA S. CLARK	03-B37-0086-0000	±0.83
VV	MICHAEL ARACICH	03-B37-0085-0000	±0.72
WW	KAREN K. TOBER	03-B37-0084-0000	±0.24
XX	EUGENE EDWARD RINDERER	03-B37-0083-0000	±0.13

RECEIVED
 Office of Oil and Gas
 MAY 12 2017
 WV Department of
 Environmental Protection

09/15/2017

REVISIONS:	COMPANY:		
	OPERATOR'S	LINDA GREATHOUSE BRK	DATE: 12-16-2015
	WELL #:	205H	DRAWN BY: B. HERMAN
	LOCATION:	BUFFALO DISTRICT, BROOKE COUNTY, WEST VIRGINIA	SCALE: N/A
			DRAWING NO: 087569015
			ADJOINING OWNERS