



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Tuesday, May 15, 2018
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC
POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit Modification Approval for WORTHLEY BRK 210H
47-009-00227-00-00

Lateral extension

SWN PRODUCTION COMPANY, LLC

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

A handwritten signature in blue ink, appearing to read 'James A. Martin', is written over a faint circular stamp.

James A. Martin
Chief

Operator's Well Number: WORTHLEY BRK 210H
Farm Name: KIMBERLY CARMAN WORTHLEY
U.S. WELL NUMBER: 47-009-00227-00-00
Horizontal 6A New Drill
Date Modification Issued: 5/15/2018

Promoting a healthy environment.

4700900227

WW-6B
(04/15)

API NO. 47-09
OPERATOR WELL NO. Worthley OHI 210H
Well Pad Name: Worthley OHI Pad

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: SWN Production Co., LLC

<u>494512924</u>	<u>Brooke</u>	<u>Buffalo</u>	<u>Bethany</u>
------------------	---------------	----------------	----------------

Operator ID County District Quadrangle
- 2) Operator's Well Number: Worthley OHI 210H Well Pad Name: Worthley OHI Pad
- 3) Farm Name/Surface Owner: Kimberly Carman Worthley Public Road Access: Bealls Ridge Road
- 4) Elevation, current ground: 1156' Elevation, proposed post-construction: 1156'
- 5) Well Type (a) Gas Oil Underground Storage
Other _____
(b) If Gas Shallow Deep _____
Horizontal
- 6) Existing Pad: Yes or No Yes *C. J. [Signature]* 2-22-18
- 7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Target Formation- Marcellus, Down-Dip Well to the South, Target Top TVD- 6123', Target Base TVD- 6169', Anticipated Thickness- 40', Associated Pressure- 4010
- 8) Proposed Total Vertical Depth: 6152'
- 9) Formation at Total Vertical Depth: Marcellus
- 10) Proposed Total Measured Depth: 15011'
- 11) Proposed Horizontal Leg Length: 8395.50'
- 12) Approximate Fresh Water Strata Depths: 520'
- 13) Method to Determine Fresh Water Depths: Salinity Profile
- 14) Approximate Saltwater Depths: 636' Salinity Profile
- 15) Approximate Coal Seam Depths: 320'
- 16) Approximate Depth to Possible Void (coal mine, karst, other): Possible Void 320'
- 17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No _____
- (a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

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18) CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	30"	New	H-40	98.9#	100'	100'	CTS
Fresh Water	20"	New	H-40	94#	380'	380'	412 sx/CTS
Coal	13 3/8"	New	H-40	48#	580'	580'	547sx/CTS
Intermediate	9 5/8"	New	J-55	36#	1730'	1730'	874 sx/CTS
Production	5 1/2"	New	HCP-110	20#	15011'	15011'	Lead 850sx Tail 2102sx/100' inside
Tubing							
Liners							

5/15/18

Let 1.2 CTS For E. Blend (per phone call)

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	30"	38"	0.312	510	510	Class A	1.19/50% Excess
Fresh Water	20"	30"	0.25	2120	633	Class A	1.19/50% Excess
Coal	13 3/8"	17.5"	0.380	2740	1768	Class A	1.19/50% Excess
Intermediate	9 5/8"	12.25"	0.395	3950	3250	Class A	1.19/50% Excess
Production	5 1/2"	8 3/4"	0.361	12360	9500	Class A	1.20/50% Excess
Tubing	2 3/8"	4.778"	0.190				
Liners							

PACKERS

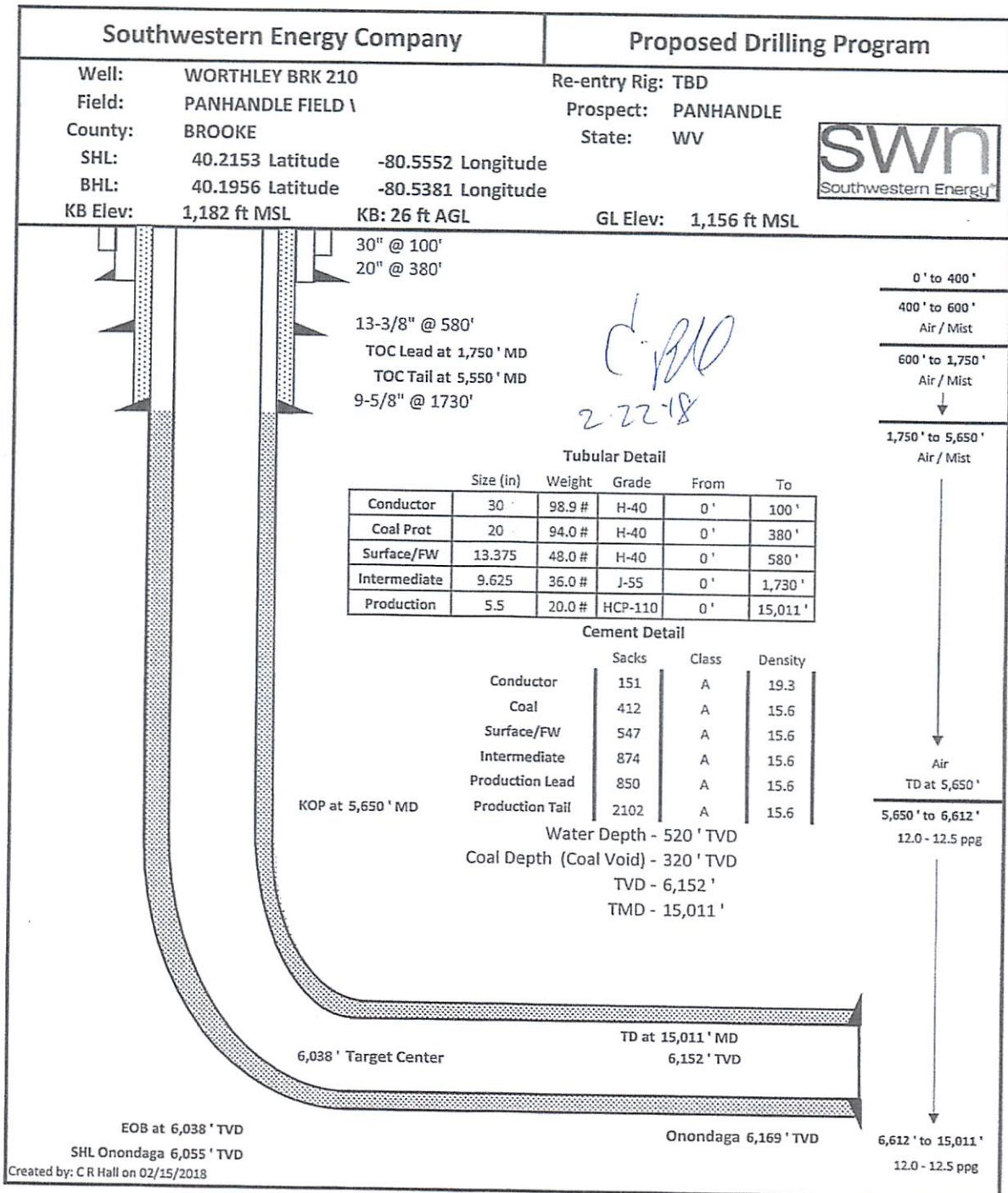
Kind:	10K Arrowset AS-1X			
Sizes:	5 1/2"			
Depths Set:				

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MAY 15 2018

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WW-6A1
(5/13)

Operator's Well No. Worthley BRK 210H

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:


Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
See Attached Exhibit "A"				

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: SWN Production Company, L.L.C.
 By: 
 Its: Staff Landman

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Page 1 of 2 FEB 26 2018
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EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC., Operator
 Worthley BRK 210H
 Brooke County, West Virginia

#	TMP	LESSOR	LESSEE	ROYALTY	BK/PG
1)	03-0B38-0027-0000-0000	Colonial Corporation, a Nevada Corporation, and Kimberly J. Carman aka Kimberly J. Worthley, a married woman dealing in her sole and separate property	Range Resources - Appalachia, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	14.00%	10/250 10/552 30/480
2)	03-0B38-0025-0000-0000	Colonial Corporation, a Nevada Corporation, and Kimberly J. Carman aka Kimberly J. Worthley, a married woman dealing in her sole and separate property	Range Resources - Appalachia, LLC Chesapeake Appalachia, LLC SWN Production Company, LLC	14.00%	10/250 10/552 30/480
3)	03-0B38-0031-0000-0000	Bethany College, a Coporation, f/k/a The Trustees of Bethany College, f/k/a The Trustees of Bethany College, a Corporation	Chesapeake Appalachia, LLC SWN Production Company, LLC	18.00%	26/769 30/480
4)	03-0B43-0028-0000-0000	Bounty Minerals, LLC Bounty Minerals, LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC SWN Production Company, LLC	18.00%	27/55 30/480 Attached
5)	Bethany Pike	West Virginia Department of Transportation, Division of Highways	Chesapeake Appalachia, LLC SWN Production Company, LLC	15.00%	18/723 30/480

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MEMORANDUM OF OIL AND GAS LEASE

This Memorandum of Oil and Gas Lease made this 21st day of November 2017, by and between Bounty Minerals LLC, a Texas Limited Liability Company, of 777 Main St., Suite 3400, Fort Worth, TX 76102, hereinafter collectively called "Lessor," and SWN Production Company, L.L.C., a Texas limited liability company, 10000 Energy Drive, Spring, Texas 77389, hereinafter called "Lessee."

WITNESSETH

For and in consideration of the sum of Ten Dollars (\$10.00) cash in hand paid, and other good and valuable consideration, Lessor did make and execute in favor of Lessee an Oil and Gas lease dated November 21, 2017, and made effective November 21, 2017 which provides for an Eighteen (18) month primary term and an option to renew for an additional Eighteen (18) month primary term covering Lessor's interest in the following described lands in Buffalo District(s), Brooke County, West Virginia:

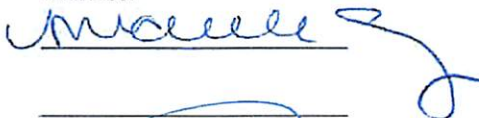
SEE EXHIBIT "A" ATTACHED HERETO AND MADE PART HEREOF FOR LAND IDENTIFICATION

described for the purposes of this agreement as containing a total of 457.766155 Land acres. This lease may be extended beyond the primary term by certain activities including, without limitation, conducting operations, producing oil or gas, or making prescribed payments. ~~This lease also grants to Lessee a Right of First Refusal to match any offer to re-lease the leased premises, which right may be exercised by Lessee within fifteen (15) days after receipt of proper notice from Lessor.~~

This Memorandum of Oil and Gas Lease is being made and filed for the purposes of giving third parties notice of the existence of the Lease described above. The execution, delivery and recordation of this Memorandum of Oil and Gas Lease shall have no effect upon, and is not intended as an amendment of the terms and conditions of the Lease. It is the intent of the Lessor to lease all of Lessor's interest in and to the properties described herein, whether or not the tracts recited herein are properly described, and further it is understood this lease includes all rights owned by the Lessor in the properties described herein.

IN WITNESS WHEREOF this memorandum of Oil and Gas Lease is executed as of the date first above written.

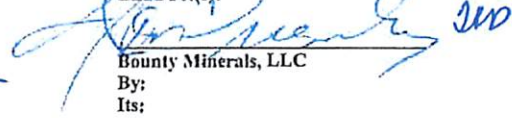
WITNESS:



WITNESS:



LESSOR(s):




Bounty Minerals, LLC

By:

Its:

SWN Production Company, L.L.C.

A Texas limited liability company


Brett Massad
Land Director

ENVIRONMENTAL PROTECTION
DEPARTMENT OF
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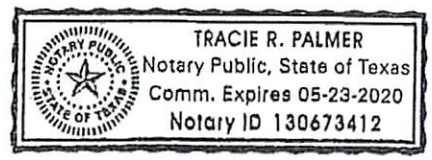
CORPORATE ACKNOWLEDGMENT

STATE OF TEXAS)
COUNTY OF Tarrant)

On this, the 28 day of November, 2017, before me, the undersigned officer, personally appeared L. Ken Brumby, who acknowledged himself/herself to be the CEO of Bounty Minerals, LLC, and that he/she as such CEO, being authorized to do so, executed foregoing instrument for the purpose therein contained by signing the name of the corporation by himself as Bounty Minerals, LLC.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires: 5-23-2020
Signature/Notary Public: Tracie R. Palmer
Name/Notary Public (print): TRACIE R. PALMER



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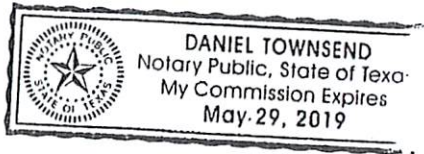
CORPORATE ACKNOWLEDGMENT

STATE OF TEXAS)
COUNTY OF HARRIS)

On this, the 5 day of February, 2018 before me, the undersigned officer, personally appeared Brett Massad, who acknowledged himself/herself to be the Land Director of SWN Production Company L.L.C., a Texas Limited Liability Company, and that he/she as such Land Director, being authorized to do so, executed foregoing instrument for the purpose therein contained by signing the name of the corporation by himself as SWN Production Company L.L.C. a Texas Limited Liability Company.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires: May 29, 2019
Signature/Notary Public: [Signature]
Name/Notary Public (print): Daniel Townsend



FEB 26 2018

RECEIVED
Office of Oil and GasExhibit "A"

THIS EXHIBIT "A" is attached to and wholly incorporated into that certain Memorandum of Oil and Gas Lease ("Lease") dated the 21st day of, November, 2017, by and between Bounty Minerals LLC, a Texas Limited Liability Company, of 777 Main St., Suite 3400, Fort Worth, TX 76102, as Lessor, and SWN Production Company, LLC, as Lessee, covering 457.766155 acres, more or less, situated in Buffalo District(s), Brooke County, West Virginia:

DESCRIPTION. The Land is located in the District(s) of Buffalo in the County of Brooke, in the State of West Virginia, and described as follows:

Property Tax Parcel Identification Number: Tax Parcel I.D. 3-B43-28

and is bounded formerly or currently as follows:

On the North by lands of: 03-B38-24, 3-B39-11;

On the East by lands of 03-B44-5, 14;

On the South by lands of 03-B43-62;

On the West by lands of 03-B43-49.3, 03-B38-31;

Property Tax Parcel Identification Number: Tax Parcel I.D. 3-B43-35.8

and is bounded formerly or currently as follows:

On the North by lands of: 03-B38-31;

On the East by lands of 03-B38-31;

On the South by lands of 03-B43-49.3;

On the West by lands of 03-B43-33;

Property Tax Parcel Identification Number: Tax Parcel I.D. 3-B43-49.3

and is bounded formerly or currently as follows:

On the North by lands of: 03-B43-35.8;

On the East by lands of 03-B43-28;

On the South by lands of 03-B43-57;

On the West by lands of 03-B43-33;

Property Tax Parcel Identification Number: Tax Parcel I.D. 3-B43-33

and is bounded formerly or currently as follows:

On the North by lands of: 03-B43-31;

On the East by lands of 03-B43-35.8;

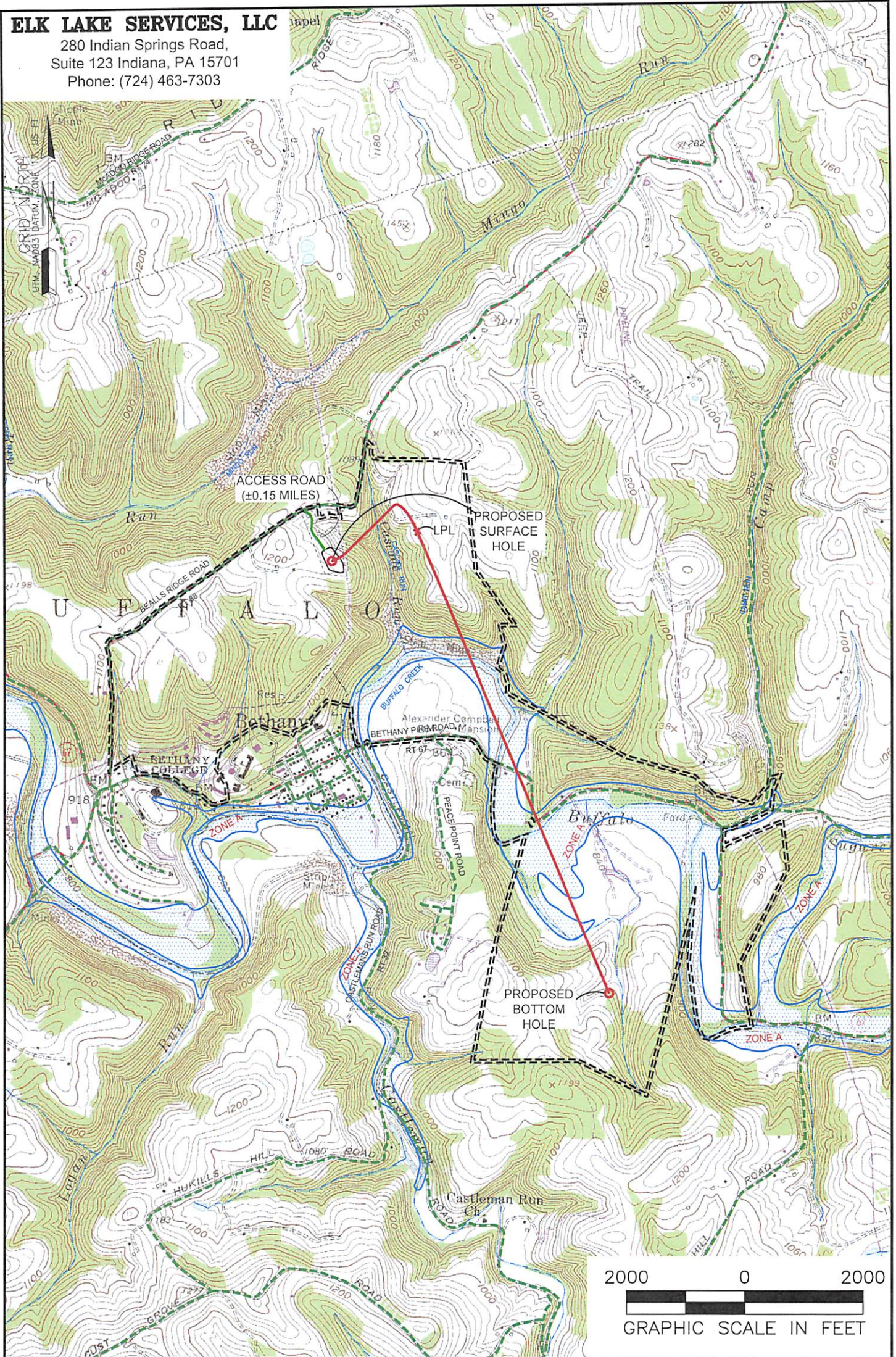
On the South by lands of 03-B43-58.60;

On the West by lands of 03-B38-31;

Including all lands acquired by Lessors in Book 347 at Page 473, the above properties being situated in Buffalo District, Brooke County, WV, and containing a total of 696.1673 acres, more or less, and including contiguous lands owned by Lessor. INsofar AND ONLY INsofar as to the lands located outside of the following units: Mark Owen South Unit, as described and depicted on the Declaration of Pooled Unit, recorded at Book 351 and Page 21, Brooke County, West Virginia; Worthley South Unit, as described and depicted on the Declaration of Pooled Unit, recorded at Book 355 and Page 730, Brooke County, West Virginia; and Thomas Parkinson South Unit, as described and depicted on the Declaration of Pooled Unit, recorded at Book 376 and Page 299 containing a total of 457.766155 acres, more or less, and including contiguous lands owned by Lessor.

ELK LAKE SERVICES, LLC

280 Indian Springs Road,
Suite 123 Indiana, PA 15701
Phone: (724) 463-7303



NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ⊗ EXISTING / PRODUCING WELLHEAD
- LPL ✕ LANDING POINT LOCATION
- FLOOD PLAIN
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

WELL OPERATOR:
SWN PRODUCTION COMPANY, LLC
ADDRESS:
P.O. BOX 1300 JANE LEW, WV 26378
SURFACE OWNER:
KIMBERLY CARMAN WORTHLEY

WELL (FARM) NAME: WORTHLEY BRK	WELL # 210H	SERIAL # XXXX
COUNTY BROOKE COUNTY - 9	DISTRICT: BUFFALO	
USGS 7 1/2 QUADRANGLE MAP NAME BETHANY, WV		

ELK LAKE SERVICES, LLC

280 Indian Springs Road,
Suite 123 Indiana, PA 15701
Phone: (724) 463-7303

Latitude: 40°12'30"

Latitude: 40°15'00"

SURFACE HOLE 3767'

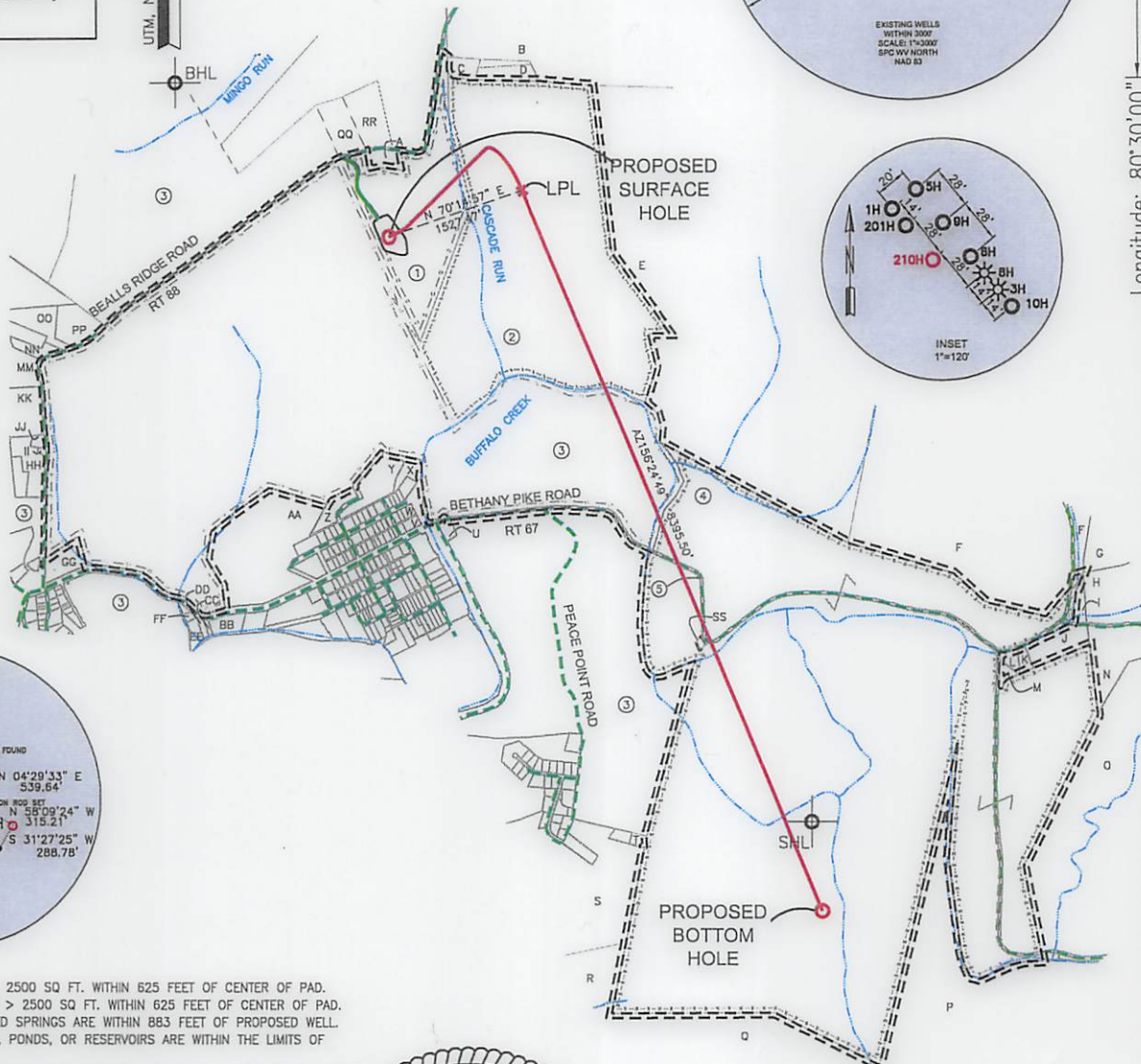
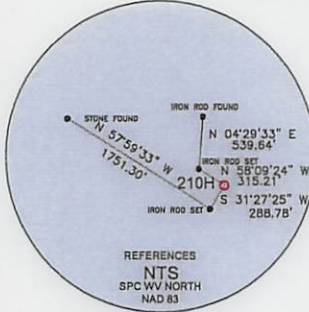
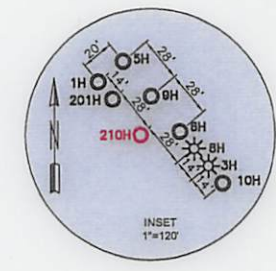
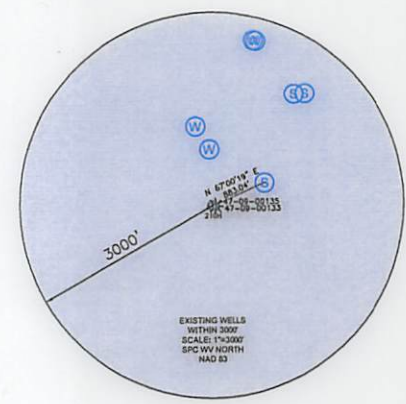
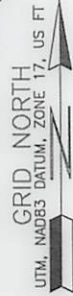
BOTTOM HOLE 10645'

BOTTOM HOLE 4655'

Longitude: 80°30'00"

Longitude: 80°32'30"

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,451,752.62 EASTING: 537,852.36
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,451,909.95 EASTING: 538,290.54
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,449,564.78 EASTING: 539,314.46



WELL RESTRICTIONS

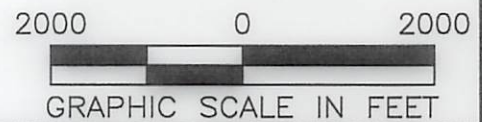
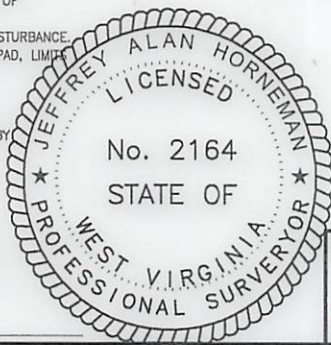
1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 883 FEET OF PROPOSED WELL.
4. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS ARE WITHIN THE LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
6. NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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. 2164



COMPANY: **SWN** Production Company, LLC **SWN** Production Company™

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	WORTHLEY BRK		
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: 210H	API WELL #: 47	9
			STATE	COUNTY	PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1156.3'

DISTRICT: BUFFALO COUNTY: BROOKE COUNTY QUADRANGLE: BETHANY

SURFACE OWNER: KIMBERLY CARMAN WORTHLEY ACREAGE: ±40.00

OIL & GAS ROYALTY OWNER: COLONAL CORP, A NEVADA CORP, & KIMBERLY J. CARMAN AKA KIMBERLY J. WORTHLEY, A MARRIED WOMAN DEALING IN HER SASP ACREAGE: ±40.00

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

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

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,152' TVD 15,011' TMD

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:	SURVEYED BOUNDARY DRILLING UNIT LEASE BOUNDARY PROPOSED PATH	PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD LPL* LANDING POINT LOCATION EXISTING WATER WELL EXISTING SPRING
REVISIONS:		DATE: 02-20-2018 FILE NO: 17-02 DRAWN BY: S. DUTKO SCALE: 1" = 2000' DRAWING NO: 1 WELL LOCATION PLAT 1

ELK LAKE SERVICES, LLC

280 Indian Springs Road,
Suite 123 Indiana, PA 15701
Phone: (724) 463-7303

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	KIMBERLY CARMAN WORTHLEY (S) COLONIAL CORP, A NEVADA CORP, & KIMBERLY J. CARMAN AKA KIMBERLY J. WORTHLEY, A MARRIED WOMAN DEALING IN HER SASP (R)	3-B38-27
TRACT	SURFACE OWNER	TAX PARCEL
2	KIMBERLY CARMEN WORTHLEY	3-B38-25
3	BETHANY COLLEGE	3-B38-31
4	TRUST OF GENE CHARLES VALENTINE	3-B43-28
5	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS	BETHANY PIKE

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	CARRINGTON MORTGAGE SERVICES,LLC	3-B38-26
B	MARK WEAVER OWEN & VIRGINIA BEALL KREUTZ	3-B38-19
C	LANCE M. ELSON	3-B38-21
D	NOLTE & GLADYS VANCAMP	3-B38-23
E	MARK W OWEN & VIRGINIA BEALL KRUETZ	3-B38-24
F	RAYMOND L & LINDSEY G TREDWAY	3-B39-11
G	VICKI G & SHAWN P HAMILTON	3-B44-1
H	JAMES R & LINDA R GREATHOUSE	3-B39-12
I	DONNA M WEEKLEY	3-B44-2
J	CURTIS LEE & LOUANN L NEEL	3-B44-7
K	JANICE F JACKSON	3-B44-8
L	JANICE F JACKSON	3-B44-9
M	JANICE F JACKSON	3-B44-10
N	MILDRED MAIN	3-B44-06
O	FORNEY & SONS HOLDING CO LLC	3-B44-05
P	ST OF WV DEPT OF COMM DIV	3-B44-14
Q	ST OF WV DEPT OF COMM DIV	3-B43-62
R	SAMUEL & MELANIE DONINI	3-B43-57
S	TRUST OF GENE CHARLES VALENTINE	3-B43-49.3
T	MARY E COLLINS	3-B43-49
U	RICHARD FRANCIS GORBY	3-B43-27
V	JAMES & KATHLEEN KEEGAN	2-B43C-37
W	BARBARA L CHAMBERS	2-B43C-36
X	BETHANY COLLEGE	2-B43C-3
Y	BETHANY COLLEGE	2-B43C-2
Z	BETHANY COLLEGE	2-B43C-1
AA	BETHANY COLLEGE	1-B43B-26
BB	TRAVIS G & GREGORY B STRAUB	2-B43F-84
CC	GEORGE JR SONNEWALD	2-B43F-82
DD	GEORGE JR SONNEWALD	2-B43F-81
EE	WILLIAM MITCHELL HEIRS	2-B43B-22
FF	MITCHELL DONALD STEVEN	2-B43F-83
GG	JOHN HUFF HEIRS	2-B43B-4
HH	DANNY M & SANDRA L HOLLADAY	3-B43-3
II	DENNIS & DERRELLE RUSCHELL	3-B43-2
JJ	DENNIS & DERRELLE RUSCHELL	3-B43-1
KK	RUTH GERMON & JEFFREY WOY & SUE MOORE & PATRICIA WEST & SARA WOY	3-B38-37
MM	ALLEN JOHNSON & CHARLES WARREN ETAL	3-B38-36
NN	DAVID G OWENS & LINDA WALTERS	3-B38-35
OO	DAVID G OWENS & LINDA WALTERS	3-B38-33
PP	DAVID G OWENS & LINDA WALTERS	3-B38-32
QQ	CHARLES F & DONNA BROWN	3-B38-30
RR	JEFFREY WILLIAM HENSLER	3-B38-29
SS	CLYDE B ROBERTS	3-B43-29

REVISIONS:	COMPANY:	 	
	OPERATOR'S	WORTHLEY BRK	
	WELL #:	210H	
	DISTRICT:	COUNTY:	STATE:
	BUFFALO	BROOKE COUNTY	WV
			DATE: 02-20-2018
			FILE NO: 17-02
			DRAWN BY: S. DUTKO
			SCALE: N/A
			DRAWING NO: 1
			WELL LOCATION PLAT 1