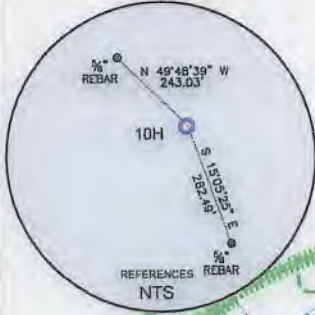




CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
600 MARKETPLACE AVENUE, SUITE 200
BRIDGEPORT, WV 26330
304-933-3119

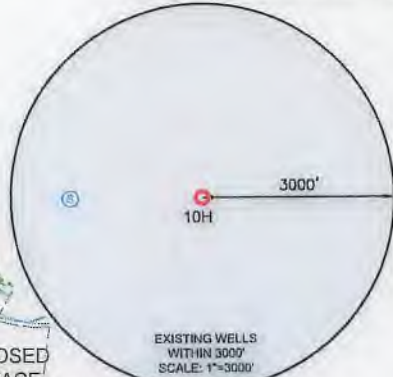


GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

SURFACE HOLE 10792'
BOTTOM HOLE 7180'

Top Hole Latitude: 40°17'30"
Bottom Hole Latitude: 40°15'00"

Bottom Hole Longitude: 80°35'00"
Top Hole Longitude: 80°35'00"



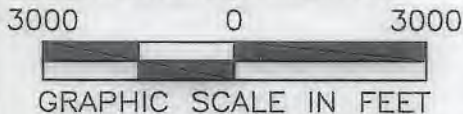
SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,455,775.425 EASTING: 532,147.647
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,456,729.082 EASTING: 532,112.903
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,454,007.197 EASTING: 533,256.241

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 2,068 FEET OF PROPOSED WELL.
4. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 800 FEET OF 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 PLAT 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 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. 991

Dennis E. Miller



COMPANY:

SWN Production Company, LLC **SWN** Production Company™

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)

VIOLET COSS BRK
OPERATOR'S WELL #: 10H
API WELL #: 47 009 00301H6A
STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO WHEELING ELEVATION: 1172.5'

DISTRICT: BUFFALO COUNTY: BROOKE QUADRANGLE: STEUBENVILLE EAST

SURFACE OWNER: LINDA COEN (LIFE ESTATE-VIOLET L COSS) ACREAGE: 224.303±

OIL & GAS ROYALTY OWNER: VIOLET L COSS ACREAGE: 224.303±

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: 5,780 TVD 17,169 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: 1300 FORT PIERPONT DRIVE, STE 201 ADDRESS: 1300 FORT PIERPONT DRIVE, STE 201
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND: PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD LPL EXISTING WATER WELL EXISTING SPRING SURVEYED BOUNDARY DRILLING UNIT LEASE BOUNDARY PROPOSED PATH	REVISIONS: ▲ REVISED LAT AND LONG 02-05-2020	DATE: 11-18-2019
	DRAWN BY: K.E.S.	SCALE: 1" = 3000'
	DRAWING NO: 172-287	WELL LOCATION PLAT
	PROPERTY NUMBER 2501166573 PAD ID 3001161326	

SURFACE HOLE 14516'

BOTTOM HOLE 5156'



CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
600 MARKETPLACE AVENUE, SUITE 200
BRIDGEPORT, WV 26330
304-933-3119

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	EVERETT ALAN COEN, LORRIE ELLEN WOOLWINE, MELINDA WOOLWINE, MICHAEL TODD COEN (S&R)	3-B32-25	224.303
2	HFS LIMITED LIABILITY COMPANY	3-B27-12	67.95
3	BROOKE CO. RT. 2		
4	WEST VIRGINIA DEPARTMENT OF HIGHWAYS	3-B27-11	
5	CAMPBELL TRANSPORTATION COMPANY, INC.	3-B27-10	12.48
6	STATE OF WEST VIRGINIA		
7	NORMA JEAN LILLY, WIDOW	3-B27-17	45.72
8	GERTRUDE LOUISE MCSHANE ROBIE & PATRICK J. MCSHANE, TRUSTEE	3-B32-29	84.79
9	TONY J. CASTILLO; RICHARD R. OSTRANDER (S)	3-B32-28	20.83
10	TONY J. CASTILLO; RICHARD R. OSTRANDER (S)	3-B32-27	10
11	GREEN RUN ROAD		
12	JAMES GEAR (S)	3-B32-11.01	1.00
13	PENNY HAMILTON	3-B32-11	8.50
14	SCHIAPPA & COMPANY, INC	3-B32-09	214.83
15	LILLIAN L. MCCORD EST.	3-B32-185	36.42
16	ROBERT G. TREDWAY JR.	3-B32-188	42.01
17	ROBERT G. TREDWAY JR.	3-B32-189	1.01

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	DANIEL P. LOMBARDI	3-B27K-211	6.62
B	PAUL DAVID FORSYTHE & ALLEN LEE FORSYTHE	3-B27K-210	2.35
C	ROBERT C. III & RONICA L. CRISS (SURV)	3-B27K-206	0.25
D	ROBERT C. III & RONICA L. CRISS (SURV)	3-B27K-205	0.18
E	RANDY AND BRENDA WILLIAMS	3-B27K-204	0.16
F	RANDY AND BRENDA WILLIAMS	3-B27K-203	0.10
G	RANDY M. & BRENDA WILLIAMS (SURV)	3-B27K-202	0.19
H	JOHN J FRISCO SR (1/2); JOSEPHINE IWANYSN (3/4)	3-B27K-189	0.5344
I	WILLIAM, CAROLYN AND JESSICA WALNOHA	3-B32-7	2
J	ROBIE GERTRUDE LOUISE MCSHANE	3-B27P-30	136.00
K	DAVID B JONES	3-B32-8	9.1
L	GERTRUDE LOUISE MCSHANE ROBIE	3-B32-30	1.68
M	SCHIAPPA AND COMPANY INC	3-B32-10	8.82
N	MELANIE J. LUNSFORD	3-B32-72	1.74
O	WILLIAM WHEAT AND CARRIE HIGGS	3-B32-71	1.738
P	WILLIAM WHEAT AND CARRIE HIGGS	3-B32-70	1.739
Q	PATRICIA SAUVAGEOT AND GLORIA PRAMESA	3-B32-69	1.721
R	JAY D. & KAREN SUE RECK	3-B32-68	2.22
S	JOSEPH & JEFFREY P. JACKFERT (SURV)	3-B32-67	1.13
T	KAREN AND JAY RECK	3-B32G-67.01	15.645
U	HERBERT MCGOWAN	3-B32G-67	58.965
V	VEMURI HOME & GARDEN, LLC	3-B32G-1	2.22
W	KAY A. ELLIOTT	3-B32G-3	0.17
X	KAY A. ELLIOTT	3-B32G-4	0.221
Y	LARRY REED AND DEBORAH REED	3-B32G-5	1.43
Z	LARRY REED AND DEBORAH REED	3-B32G-6	.892
AA	ROBERT F. & ANNA OHLER	3-B32G-7	0.74
BB	JOHN H. FOX	3-B32G-8	0.36
CC	JAMES AND ANNETTE BEST	3-B32G-9	0.52
DD	FEDERAL NATIONAL MORTGAGE ASSOCIATION	3-B32G-10	0.38
EE	MATHEW TOMSHACK	3-B32G-11	0.39
FF	MATHEW TOMSHACK	3-B32-88	1.21
GG	PAUL W. & SUSAN A. FODOR	3-B32-89	3.5
HH	KAREN L. REINACHER	3-B32-96	88.953
II	DAVID MCGOWAN	3-B32-190	6.27
JJ	DONALD C. BURKHART	3-B32-191	7.24
KK	RONALD H. REINACHER & KAREN L. MAHLEY	3-B32-187	2.0
LL	CHARLES M. & BARBARA J. TREDWAY	3-B32-186	3.0
MM	KURT YANO, FRANK YANO AND KATHERINE YANO	3-B32-40	0.757
NN	RALPH G. JOHNSTON; ROBERT JOHNSTON; KENNETH D. JOHNSTON, DANIEL JOHNSTON, ET AL	3-B32-180	39.862
OO	MASLO FARMS LLC A PENNSYLVANIA LLC	3-B32-19	59.66
PP	JOSEPH & MARY VIDERMAN	3-B32-13	43.38
QQ	PENNY HAMILTON	3-B32-12	.50
RR	JAMES SCOTT GEAR	3-B32-26	3.11
SS	WILLIAM & CAROLYN WALNOHA (SURV)	3-B32-14	1.34
TT	JOHN PORTER; BRIGITTE ROGERS (SURV)	3-B32-15	.568
UU	DOROTHY L. STEVENS	3-B32-16	2.09
VV	RUTH BERNADINE HART	3-B32-22.01	0.262
WW	WALNOHA WILLIAM RUSSELL; HART RUTH; THARP MARY FRANC	3-B32-22	0.244
XX	WILLIAM RUSSELL WALNOHA	3-B32-22.02	0.259
YY	HFS LIMITED LIABILITY COMPANY	3-B32-23	2
ZZ	HFS LIMITED LIABILITY COMPANY	3-B32-24	2
AAA	COSS ROAD FARM, LLC	3-B31-114	183.23
BBB	JAMES L. & SONDR A. ELLIOTT	3-B31-121	5.48
CCC	HFS LIMITED LIABILITY COMPANY	3-B31-1	23.87
DDD	CAMPBELL TRANSPORTATION COMPANY INC	3-B27-8	0.41
EEE	GREG PROVENZANO	3-B27-9	0.09

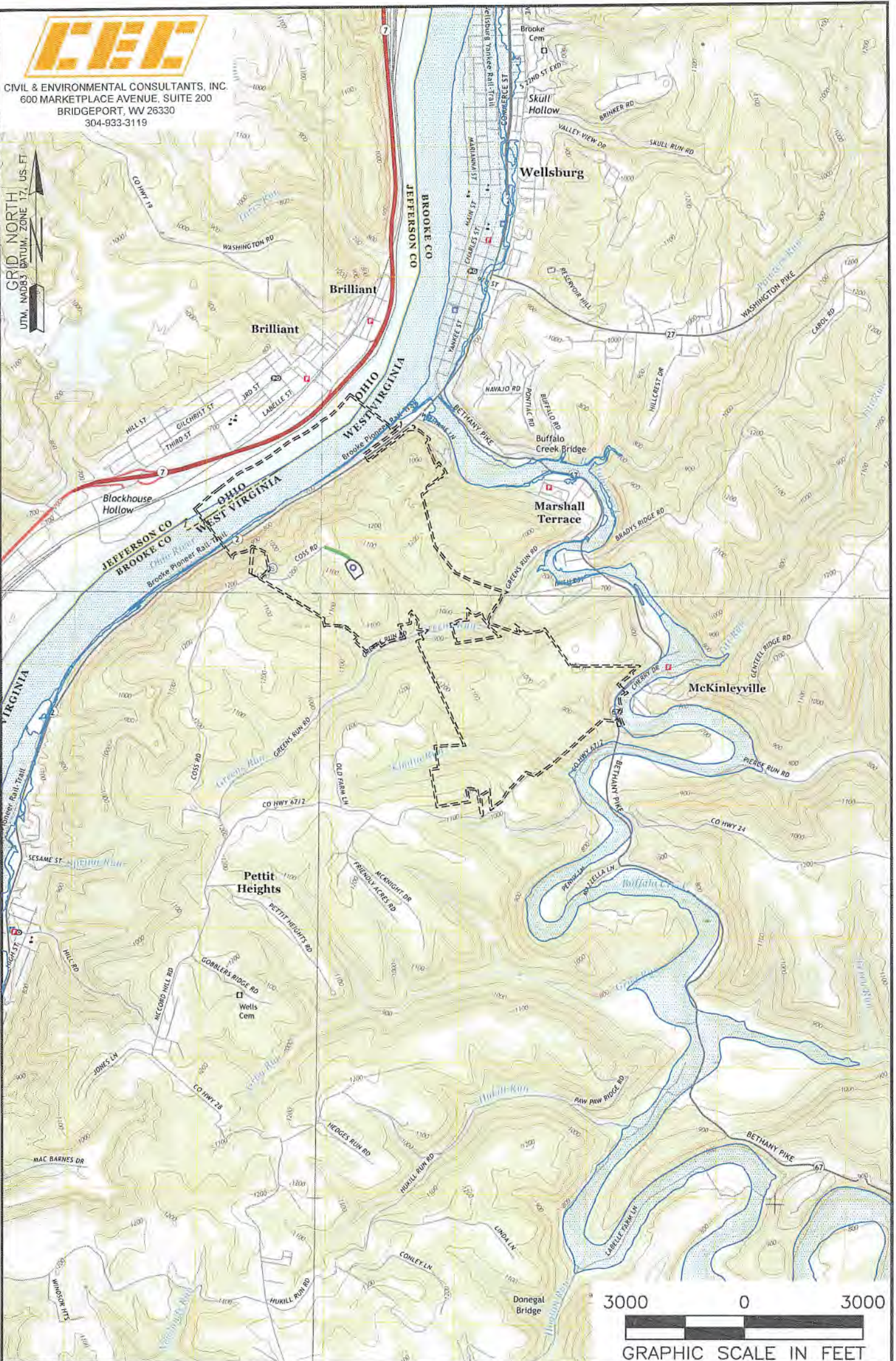
API WELL #: **47** **009** **00301H6A**
STATE COUNTY PERMIT

REVISIONS:	COMPANY:		
▲ REVISED LAT AND LONG 02-05-2020			
	OPERATOR'S	VIOLET COSS BRK	DATE: 11-18-2019
	WELL #:	10H	DRAWN BY: K.E.S.
	DISTRICT:	BUFFALO	SCALE: N/A
	COUNTY:	BROOKE	DRAWING NO: 172-287
	STATE:	WV	WELL LOCATION PLAT 2



CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
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 BRIDGEPORT, WV 26330
 304-933-3119

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



NOTES ON SURVEY

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3. 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:
 1300 FORT PIERPONT DRIVE, STE 201 MORGANTOWN, WV 26508
SURFACE OWNER:
 LINDA COEN (LIFE ESTATE-VIOLET L COSS)

WELL (FARM) NAME: VIOLET COSS BRK		WELL # 10H	SERIAL # XXXX
COUNTY - CODE BROOKE - 009	DISTRICT; BUFFALO		
USGS 7 1/2 QUADRANGLE MAP NAME STUBENVILLE EAST, WV			