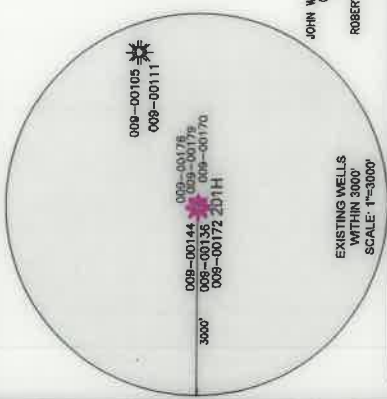


THRASHER

THE THRASHER GROUP, INC.
600 WHITE OAKS BLVD.
BRIDGEPORT, WV 26330
PHONE 304-624-4108
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 625 FEET OF PROPOSED 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.



TRACT	ROYALTY OWNER	TAX PARCEL	ACRES
1	RUSSELL D. & LISA K. HERVEY	03-828-0045	37.84
1	RUSSELL D. HERVEY	03-828-0045	37.84
2	WILLIAM JUDSON HERVEY III	03-828-0045-2	111.50
3	PATRICIA GRAHAM	03-828-0045	87.05
4	RANDY GRAHAM & PATRICIA GRAHAM	03-828-0045-1	4.59
5	FREDERICK L. & CATHY JO HERVEY	03-828-0044-1	36.442
6	DEWITT STANLEY	03-828-0044	36.364
7	ELLEN STANLEY	03-828F-0024	1.16
9	MARTHA HALL ET AL	03-828F-0023	1.00
10	MARTHA HALL ET AL	03-828F-0021	8.038
11	MELISSA RICHARDSON	03-828F-0022	0.76
12	CHARLES G. THORNE (LE), THERESA ANN LYNCH (REMAINDERMAN)	03-828F-0021	4.39
13	CHARLES G. THORNE (LE), THERESA ANN LYNCH (REMAINDERMAN)	03-828F-0020	3.06
14	JOHN & NANCY BAUMGARTNER	03-828F-0018	0.74
15	DAVID A. SESLER	03-828F-0017	0.77
16	RICHARD IRVIN & PATRICIA ANN SIMS	03-828B-0036	7.79
17	FOUR SWANS LP	03-828A-0039	74.16
18	DANIEL L. GILCHRIST & JO ANN GILCHRIST WEST VIRGINIA DEPARTMENT OF TRANSPORTATION	03-828A-0040	3.26
20	WILLIAM R. & MARGARET L. AFTANAS	04-CC28-0005	15.87
21	WELLSBURG CHURCH OF THE NAZARENE, INC.	04-CC23-0238	12.12
22	WILLIAM R. & MARGARET L. AFTANAS	04-CC23-0736	17.34
23	SCHAPPA & COMPANY INC	04-CC28-0002	48.66
24	JAMES LUNSFORD	04-CC23-0203	97.36
25	DONNA KATHRYN HALL	04-CC23-0229	54.78

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. 2312



MINOR PROFESSIONAL SURVEYOR
STATE OF WEST VIRGINIA
No. 2312
Aaron J. Rawe
8-21-2020

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25034

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

WATERSHED: BUFFALO CREEK

DISTRICT: BUFFALO

SURFACE OWNER: RUSSELL D. HERVEY

OIL & GAS ROYALTY OWNER: RUSSELL D. HERVEY & LISA K. HERVEY

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: 5,777 TVD 18,218' MD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC

ADDRESS: 1300 FORT PIERPONT DRIVE SUITE 201

CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

DESIGNATED AGENT: BRITTANY WOODY

ADDRESS: 1300 FORT PIERPONT DRIVE SUITE 201

CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

DATE: 07-24-2020

DRAWN BY: K. POTH

SCALE: 1" = 3000'

DRAWING NO: 050-5495

WELL LOCATION PLAT

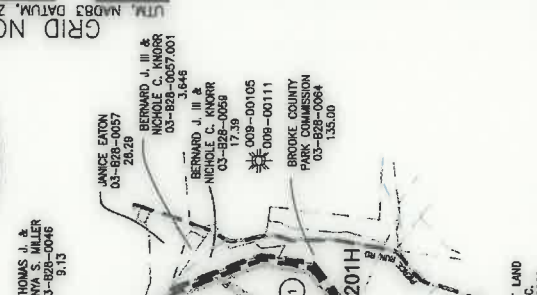
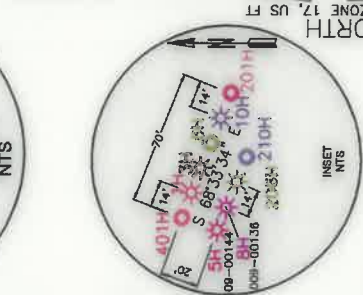
PROPERTY NUMBER 2501163261

FRIDAY AUGUST 21 2020 02:25PM

Latitude: 40°17'30" SURFACE HOLE 4,199'

BOTTOM HOLE 10,406'

SURFACE HOLE LOCATION (SHL)	SURFACE HOLE LOCATION (SHL)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,456,499.582 EASTING: 537,717.254	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,456,499.445 EASTING: 537,717.181
LANDING POINT LOCATION (LPL)	LANDING POINT LOCATION (LPL)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,456,522.524 EASTING: 537,120.658	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,456,403.427 EASTING: 537,087.969
BOTTOM HOLE LOCATION (BHL)	BOTTOM HOLE LOCATION (BHL)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,459,542.776 EASTING: 535,810.007	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,459,544.211 EASTING: 535,813.387



GRAPHIC SCALE IN FEET

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

OPERATOR'S WELL #: 201H

API WELL #: 47 STATE COUNTY PERMIT

PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)

DEGREE OF ACCURACY: 1/200

ELEVATION: 1166'

QUADRANGLE: STEUBENVILLE EAST

ACREAGE: ±37.84

ACREAGE: ±37.84

ESTIMATED DEPTH: 5,777 TVD 18,218' MD

DESIGNATED AGENT: BRITTANY WOODY

ADDRESS: 1300 FORT PIERPONT DRIVE SUITE 201

CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

DATE: 07-24-2020

DRAWN BY: K. POTH

SCALE: 1" = 3000'

DRAWING NO: 050-5495

WELL LOCATION PLAT

PROPERTY NUMBER 2501163261

FRIDAY AUGUST 21 2020 02:25PM

THRASHER

THE THRASHER GROUP, INC.
600 WHITE OAKS BLVD.
BRIDGEPORT, WV 26330
PHONE 304-624-4108

ADJOINING OWNERS TABLE

TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	MICHAEL J. COEN	04-CC23-0172	3.20
B	KEITH M. & CHRISTOL A. MOORE	04-CC23-0171	3.55
C	EDITH E. McCOMBS	04-CC23-0239	7.00
D	NAZARENE CHURCH	04-CC23-0237	0.67
E	W. GEORGE JR. & MARGARET SHEPERD	03-B23P-0001	0.77
F	W. GEORGE JR. & MARGARET JEANE SHEPERD	03-B28B-0001	0.67
G	DANIEL L. & JOANNE GILCHRIST	03-B28B-0056	5.74
H	WILLIAM L. CONLEY	03-B28B-0002	2.13
I	RICHARD A. & CINDY A. CHAMP	03-B28B-0015	2.73
J	MARILYN TAYLOR	03-B28B-0029	1.98
K	MARILYN TAYLOR	03-B28B-0030	1.46
L	DOROTHY M. COX	03-B28B-0035	5.20
M	JEFFREY W. DORRANCE JR.	03-B28F-0010	2.609
N	DAVID A. SESLER SR.	03-B28F-0016	0.75
O	WALTER E. JR. & RHONDA L. MARTINDILL	03-B28F-0019	0.86
P	BRIAN SOLY & KELLY HORVATH	03-B28F-0026	0.84
Q	THOMAS R. BLOOM	03-B28F-0027	0.86
R	TIMOTHY J. STANLEY	03-B28F-0028	1.04
S	BRIAN E. & MARANDA S. JOHNSON	03-B28F-0029	0.74
T	JAMES LANDWEHR SR.	03-B28F-0030	0.56
U	GEORGE WILLIAM & ROSEANNE BUXTON	03-B28F-0031	0.60
V	JAMES L. & DIANNE L. STOCK	03-B28F-0032	0.62
W	MICHAEL E. & DIANE M. DIGHT	03-B28F-0033	0.37
X	DAVID & DIANA PERINE	03-B28F-0035	0.50
Y	CHARLIE D. & BRITNEY L. FARRIS	03-B28-0045-4	3.26
Z	JAMES ROBERT & KAREN L. HERVEY	03-B28-0045-3	1.01
AA	RANDY & PATRICIA GRAHAM	03-B28-0029-1	3.39
BB	MARTHA L. DIAMOND	03-B28A-0028	1.33
CC	GERALD W. SMITH	03-B28A-0029	1.26
DD	SANDRA K. BEAVER	03-B28A-0037	0.82
EE	MATTHEW JAMES RHODES	03-B28A-0038	1.51
FF	WILLIAM R. & MARGARET L. AFTANAS	04-CC28-0003	0.93
GG	RICKY L. JR. & THERESA JO TAYLOR	03-B28A-0041	1.11

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

REVISIONS:

DATE: 07-24-2020
SHEET 2 OF 2
DRAWN BY: K. POTH
SCALE: NOT TO SCALE
DRAWING NO: 050-5495
WELL LOCATION PLAT