

THRASHER

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

SHL 13,328'

BHL 9,023'

Latitude: 40°02'30"

LINE	BEARING	DISTANCE
1	S 71°44'27" E	2290.23'
2	S 89°47'30" E	2024.40'

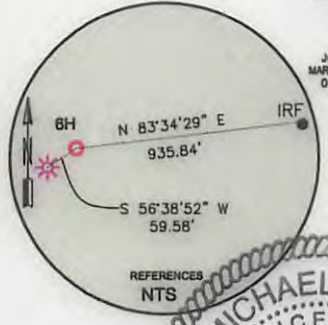
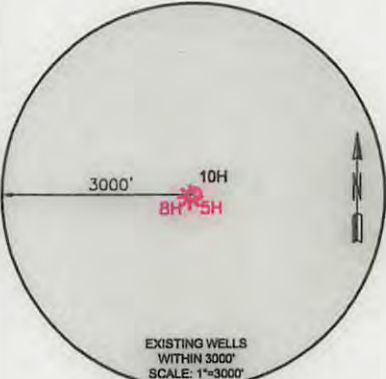
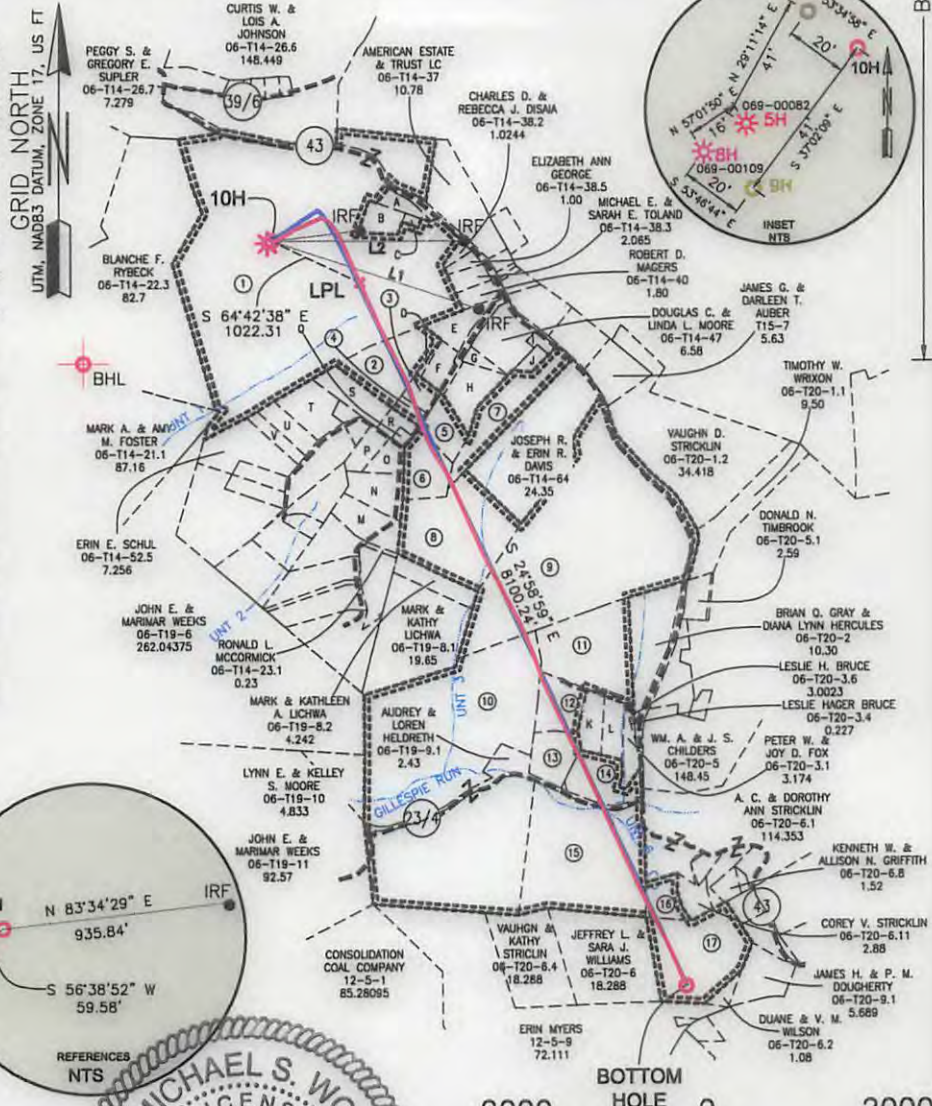
WELL BORE TABLE FOR SURFACE & ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	LAWRENCE GRANT HICKMAN, CECIL LEE HICKMAN & CAROL SUE HICKMAN	06-T14-38	143.53
SURFACE OWNER			
2	CHARLES D. POLING	06-T14-54	11.007
3	CHARLES D. POLING	06-T14-42	2.02
4	JAMIE JAQUAY & BRIAN JAQUAY	06-T14-42.1	1.00
5	CARL R. SCHNEIDER JR. & DARLA K. SCHNEIDER	06-T14-49	4.317
6	KATEY M. KAGE	06-T14-50	6.466
7	RALPH W. & ROSELLA RICHEY	06-T14-62	10.662
8	MARK F. & KATHLEEN A. LICHWA	06-T14-65	21.087
9	VAUGHN D. & KATHRYN STRICKLIN; COREY STRICKLIN	06-T19-8	75.20
10	CASEY, TAMMY & JACOB STEIN & AUDERY HELDRETH	06-T19-9	101.555
11	LESLIE H. BRUCE	06-T20-3.5	17.54
12	JOSEPH R. & ERIN R. DAVIS	06-T20-3	6.011
13	JODI L. ELLIOT & MICHAEL A. SINE	06-T20-3.8	5.526
14	PETER W. FOX & JOY D. FOX	06-T20-3.3	6.924
15	JOSEPH L. VESPA	06-T20-3.2	34.045
16	COREY V. STRICKLIN	06-T20-6.13	3.28
17	MICHAEL E. TOLAND & SARAH ELIZABETH TOLAND	06-T20-6.3	18.288

SURFACE HOLE LOCATION (SHL):		SURFACE HOLE LOCATION (SHL):	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,432,270.564	UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,432,270.540
EASTING: 538,612.822		EASTING: 538,612.807	
LANDING POINT (LPL):		LANDING POINT (LPL):	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,432,220.141	UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,432,137.452
EASTING: 538,850.326		EASTING: 538,894.559	
BOTTOM HOLE LOCATION (BHL):		BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,429,897.524	UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,429,899.505
EASTING: 539,940.817		EASTING: 539,937.320	

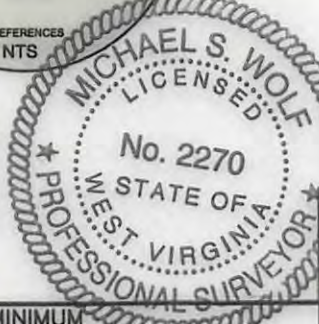
NOTES ON SURVEY

- 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 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.

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	MARK JOHN HICKMAN	06-T14-38.6	1.597
B	MARK JOHN HICKMAN	06-T14-38.7	2.876
C	GLEN ALAN & REBECCA LYNN MENCER	06-T14-38.1	1.00
D	DENNIS A. & BRENDA L. BEITER	06-T14-54.1	0.57
E	RICHARD L. & R. J. SCOTT	06-T14-56	3.556
F	DENNIS A. & BRENDA L. BEITER	06-T14-55	2.34
G	BRIAN D. & LINDA W. HOUGH	06-T14-47.1	1.04
H	BRENDA SUE PHILLIPS	06-T14-48	5.31
I	RALPH W. & ROSELLA RICHEY	06-T14-58	1.518
J	RALPH W. & ROSELLA RICHEY	06-T14-59	1.115
K	LESLIE HAGER OZOSKY BRUCE	06-T20-3.9	3.016
L	LESLIE H. BRUCE	06-T20-3.6	3.002
M	MARK & KATHLEEN ANN LICHWA	06-T19-18	5.00
N	PATRICK L. & CHRISTINA RIDOLE	06-T19-20	5.00
O	DAVID G. & J. A. BEAVER	06-T14-41.2	2.632
P	DANIEL R. & REBECCA L. OLIVER	06-T14-41.3	2.368
Q	RAY A. & NATALIE C. DURBIN	06-T14-41.5	0.67
R	LOHNE & THEA A. CHURCH	06-T14-41.4	1.43
S	LOHNE & THEA A. CHURCH	06-T14-41.1	4.78
T	CHRISTOPHER & CASSIE A. DENHAM	06-T14-53	4.72
U	KEVIN P. & BRENDA VORHES	06-T14-52.3	2.99
V	KEVIN P. & BRENDA VORHES	06-T14-52.4	2.00



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. 2270

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)</p>	<p>COMPANY: SWN Production Company, LLC</p> <p>OPERATOR'S WELL #: 10H</p> <p>API WELL #: 47 69 00250</p> <p>STATE COUNTY PERMIT</p>
	<p>WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input type="checkbox"/> DEEP <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> STORAGE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/></p> <p>WATERSHED: WHEELING CREEK ELEVATION: 1281.8'</p> <p>DISTRICT: TRIADDELPHIA COUNTY: OHIO QUADRANGLE: VALLEY GROVE</p> <p>SURFACE OWNER: LAWRENCE GRANT HICKMAN, CECIL LEE HICMAN & CAROL SUE HICKMAN ACREAGE: ± 143.77</p> <p>OIL & GAS ROYALTY OWNER: CECIL LEE HICKMAN, JOHN MARK HICKMAN, LAWRENCE GRANT HICKMAN, CAROL SUE (CRISWELL) HICKMAN ACREAGE: ± 418.378</p> <p>DRILL <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/></p> <p>CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input checked="" type="checkbox"/> (SPECIFY) AS-DRILLED</p> <p>TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,798'</p>	<p>MARK HICKMAN OHI</p> <p>DESIGNATED AGENT: BRITTANY WOODY</p> <p>ADDRESS: P.O. BOX 1300</p> <p>CITY: JANE LEW STATE: WV ZIP CODE: 26378</p>
<p>LEGEND:</p> <ul style="list-style-type: none"> PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD LPL: LANDING POINT LOCATION EXISTING WATER WELL EXISTING SPRING SURVEYED BOUNDARY DRILLING UNIT LEASE BOUNDARY PROPOSED PATH AS-DRILLED PATH 	<p>REVISIONS:</p> <p>DATE: 07-27-2018</p> <p>DRAWN BY: K. POTH</p> <p>SCALE: 1" = 2000'</p> <p>DRAWING NO: 050-5494</p> <p>WELL LOCATION PLAT</p>	