

THRASHER

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

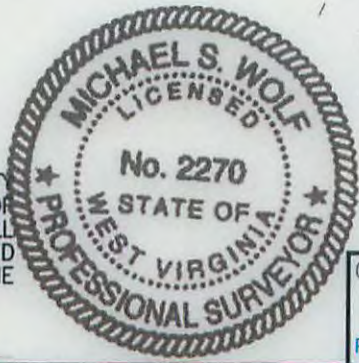
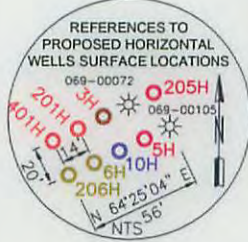
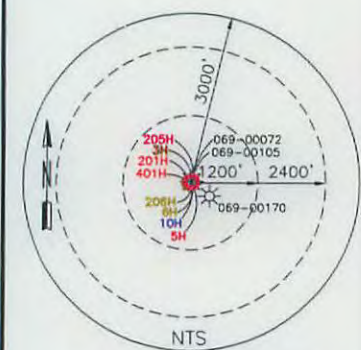
NOTES ON SURVEY

- 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 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.

TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	SHAWN W. COUCH TRUST (S)/GEORGE W. COUCH (R)	3-L4011000000000	121.56
2	MICHAEL J. MILLER AND PENELOPE I. MILLER (S/R)	3-L4011700000000	139.51
3	EDWARD L. & B. W. STUPAK (S/R)	3-L4011800010000	23.60
4	JAMES W. LOEW & HELEN LOUISE LOEW (R)	3-L4012000000000	198.35
5	HERBERT P. MINCH AND CAROL A. MINCH (S/R)	3-L7000400000000	184.75
6	WAYNE L. WILHELM AND MARQUETTE B. WILHELM(S/R)	3-L7001000000000	3.04
7	JAMES A. PARSONS AND CAROL L. PARSONS (S/R)	3-L7001100000000	109.36
8	JOHN L. SMITH II AND JOAN MARIE SMITH A/R/A JOAN M. SMITH (S/R)	3-L7004800000000	120.49

LINE	DESCRIPTION	DISTANCE	DESCRIPTION	MONUMENT
L1	N 65°33'35" E	56.25'	SHL TO 069-00105	EXISTING WELL HEAD
L2	N 24°40'08" W	19.60'	SHL TO 401H	PROPOSED WELL HEAD
L3	S 75°24'15" W	1574.76'	SHL TO LANDMARK	IRF FOUND
L4	N 87°29'32" W	1692.79'X	SHL TO LANDMARK	IRF FOUND
L5	S 50°13'24" W	1540.91'	SHL TO LP	LANDING POINT
L6	S 18°16'30" E	9032.39'	LP TO BHL	BOTTOM HOLE

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,444,241.297
EASTING: 535,031.756
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,443,940.804
EASTING: 534,670.790
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,441,326.584
EASTING: 535,534.095



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 *M.S. Wolf* 4/18/16

<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 #: SHAWN COUCH OHI 206H</p> <p>API WELL #: 47 069 00207 <i>16A</i></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: WEIDMANS RUN ELEVATION: 1247</p> <p>DISTRICT: LIBERTY COUNTY: OHIO QUADRANGLE: BETHANY</p> <p>SURFACE OWNER: SHAWN W. COUCH TRUST ACREAGE: 121.56</p> <p>OIL & GAS ROYALTY OWNER: GEORGE W. COUCH ACREAGE: 121.56</p> <p>DRILL <input checked="" type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" 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 type="checkbox"/> (SPECIFY) 01/22/2016</p> <p>TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,177 TVD 15,750 TMD</p>	<p>WELL OPERATOR: SWN PRODUCTION COMPANY, LLC</p> <p>DESIGNATED AGENT: DEE SOUTHALL</p> <p>ADDRESS: P.O. BOX 1300</p> <p>CITY: JANE LEW STATE: WV ZIP CODE: 26378</p>

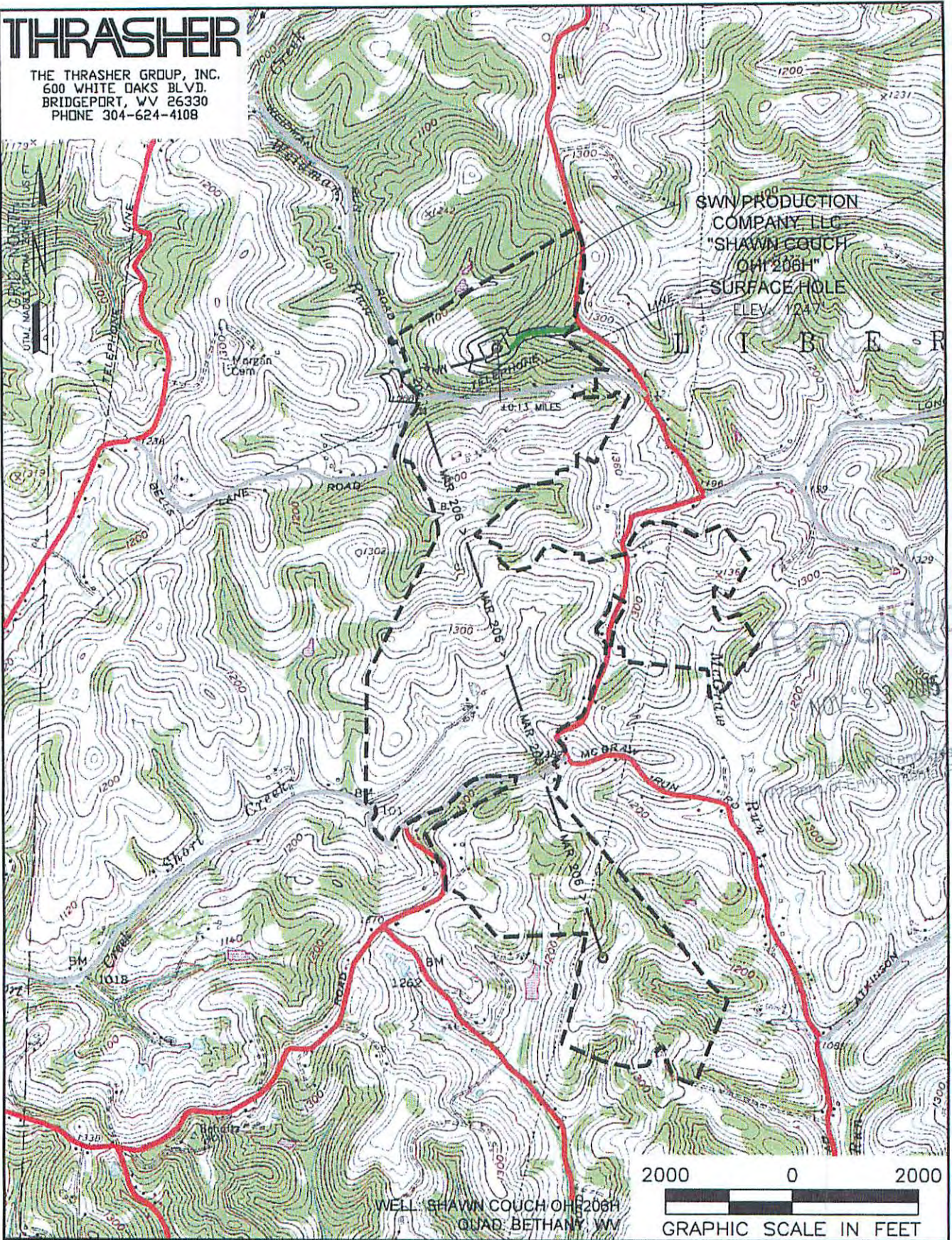
<p>LEGEND:</p> <ul style="list-style-type: none"> ☉ PROPOSED SURFACE HOLE / BOTTOM HOLE ☼ EXISTING / PRODUCING WELLHEAD ⊗ ABANDONED WELL ⊗ PLUGGED & ABANDONED WELL △ CUT CONDUCTOR --- LEASE BOUNDARY --- 500' DHP BUFFER - MAR 206 > - MARCELLUS DHP - - - ABANDONED PATH 	<p>REVISIONS:</p> <table border="1"> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>							<p>DATE: 11-16-2015</p> <p>DRAWN BY: K. POTH</p> <p>SCALE: 1" = 2000'</p> <p>DRAWING NO: 050-5635</p> <p>WELL LOCATION PLAT</p>

R:\050-5635-SHAWN COUCH WELL PLATS-SOUTHWESTERN-SURVEY\206H 11-16-2015 FINAL.DWG
WEDNESDAY JANUARY 13 2016 10:42AM

PROPERTY NUMBER 2501163482
PAD ID 3001155644

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NAME AND DISTANCE TO THE NEAREST STREAM: UNNAMED TRIBUTARY OF WEIDMAN RUN IS LOCATED ±0.13 MILES SW OF THE CENTER OF THE DRILL PAD.		STREAM CROSSING COORDINATES (NAD 83): A. LAT: 40.1460496 / LONG: -80.5932451 B. LAT: 40.1407844 / LONG: -80.5911391 C. LAT: 40.1334719 / LONG: -80.5880416		COMPANY: 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: >625 FEET CENTER OF PAD TO AGRICULTURAL BUILDINGS LARGER THAN 2500 SQ FT: >625 FEET		OPERATOR'S SHAWN COUCH			
FEMA FLOOD INFORMATION: BY GRAPHIC PLOTTING ONLY FEMA FIRM INCORPORATED AREA OF XXXX COUNTY, WEST VIRGINIA; MAP NUMBER XXXXXX; EFFECTIVE DATE: MONTH DD, YYYY. -OR- NO FLOOD ZONES.		LOCATION: LIBERTY DISTRICT, OHIO COUNTY, WEST VIRGINIA		WELL #: 206H	
LEGEND: ○ PROPOSED SURFACE HOLE / BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD ✕ ABANDONED WELL ⊠ PLUGGED & ABANDONED WELL △ CUT CONDUCTOR ○ EXISTING SPRING W EXISTING WATER WELL — ACCESS ROAD — ACCESS ROAD TO PREV. SITE — HIGHWAY/INTERSTATE — COUNTY ROAD		SURFACE HOLE LOCATION: GEOGRAPHIC (NAD83): LATITUDE: 40.147786° LONGITUDE: -80.588711		BOTTOM HOLE LOCATION: GEOGRAPHIC (NAD83): LATITUDE: 40.121505° LONGITUDE: -80.582974°	
REVISIONS:		DATE: 11-05-2015		DRAWN BY: K. POTH SCALE: 1" = 2000' DRAWING NO: 050-5635 TOPOGRAPHIC MAP	