

# 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 HEREIN 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.

LINE	DESCRIPTION	DISTANCE	DESCRIPTION	MONUMENT
L1	N 10°35'55" E	24.50'	SHL TO 069-00072	EXISTING WELL HEAD
L2	N 65°47'31" E	27.98'	SHL TO 069-00105	EXISTING WELL HEAD
L3	N 87°55'23" W	1717.98'	SHL TO LANDMARK	IRF FOUND
L4	S 79°13'39" W	1602.60'	SHL TO LANDMARK	IRF FOUND
L5	S 83°08'14" E	985.57'	SHL TO LP	LANDING POINT
L6	S 21°00'58" E	6411.02'	LP TO BHL	BOTTOM HOLE

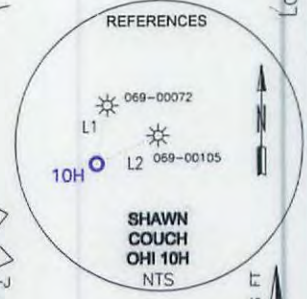
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	SHAWN W. COUCH TRUST (S) GEORGE W. COUCH (R)	3-L4011000000000	121.56
2	PAUL & RHONDA TYRNA (S/R)	3-L4011400000000	1.24
3	MICHAEL J. & PENELOPE T. MILLER (S/R)	3-L4011700000000	139.51
4	JAMES W. & HELEN L. LOEW (S/R)	3-L4011800020000	15.00
5	KEVIN L. & RHONDA L. KIMMINS (S/R)	3-L4011800030000	29.00
6	HERBERT P. & CAROL A. MINCH (S/R)	3-L4012000000000	198.35
7	RONALD D. & MARY LEE FEKETE (S/R)	3-L7000500000000	40.18
8	JOSEPH F. BIPPUS SR (ET AL) (S/R) JOSEPH F. BIPPUS JR (R) MARY LEE BIPPUS FEKETE (R) BETTY ANN SMITH F/K/A BETTY ANN BIPPUS (R)	3-L8000100050000	96.05
9	JOSEPH F. JR & C. L. BIPPUS (S/R)	3-L8000100020000	2.99
10	CHARLES E. DAGUE (S/R)	3-L8001400000000	20.51

ADJOINING OWNER INSET

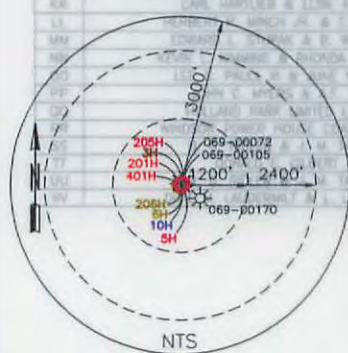
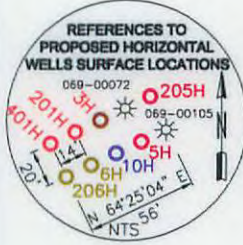
SWN PRODUCTION COMPANY, LLC  
"SHAWN COUCH OHI 10H"  
SURFACE HOLE  
ELEV: 1247'

Latitude: 40°10'00"

Longitude: 80°35'00"

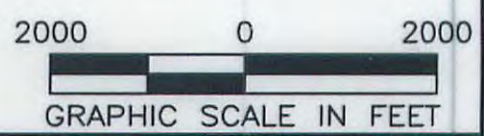


GRID NORTH  
UTM, NAD83 DATUM, ZONE 17, US FT



<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,444,244.894 EASTING: 535,039.583
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,444,196.053 EASTING: 535,393.338
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,441,802.905 EASTING: 536,312.751

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* 1/13/16

(+) 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 SURVEY GRADE GPS ELEVATION: (NAVD 88, US FT)

COMPANY: **SWN** Production Company, LLC  
OPERATOR'S WELL #: SHAWN COUCH OHI 10H  
API WELL #: 47 069 00206 H6A  
STATE COUNTY PERMIT

WELL TYPE: OIL  WASTE DISPOSAL  PRODUCTION  DEEP  GAS  LIQUID INJECTION  STORAGE  SHALLOW   
WATERSHED: MCGRAW RUN ELEVATION: 1247  
DISTRICT: LIBERTY COUNTY: OHIO QUADRANGLE: BETHANY  
SURFACE OWNER: SHAWN W. COUCH TRUST ACREAGE: 121.56  
OIL & GAS ROYALTY OWNER: GEORGE W. COUCH ACREAGE: 121.56  
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: 6,198 TVD 15,076 TMD

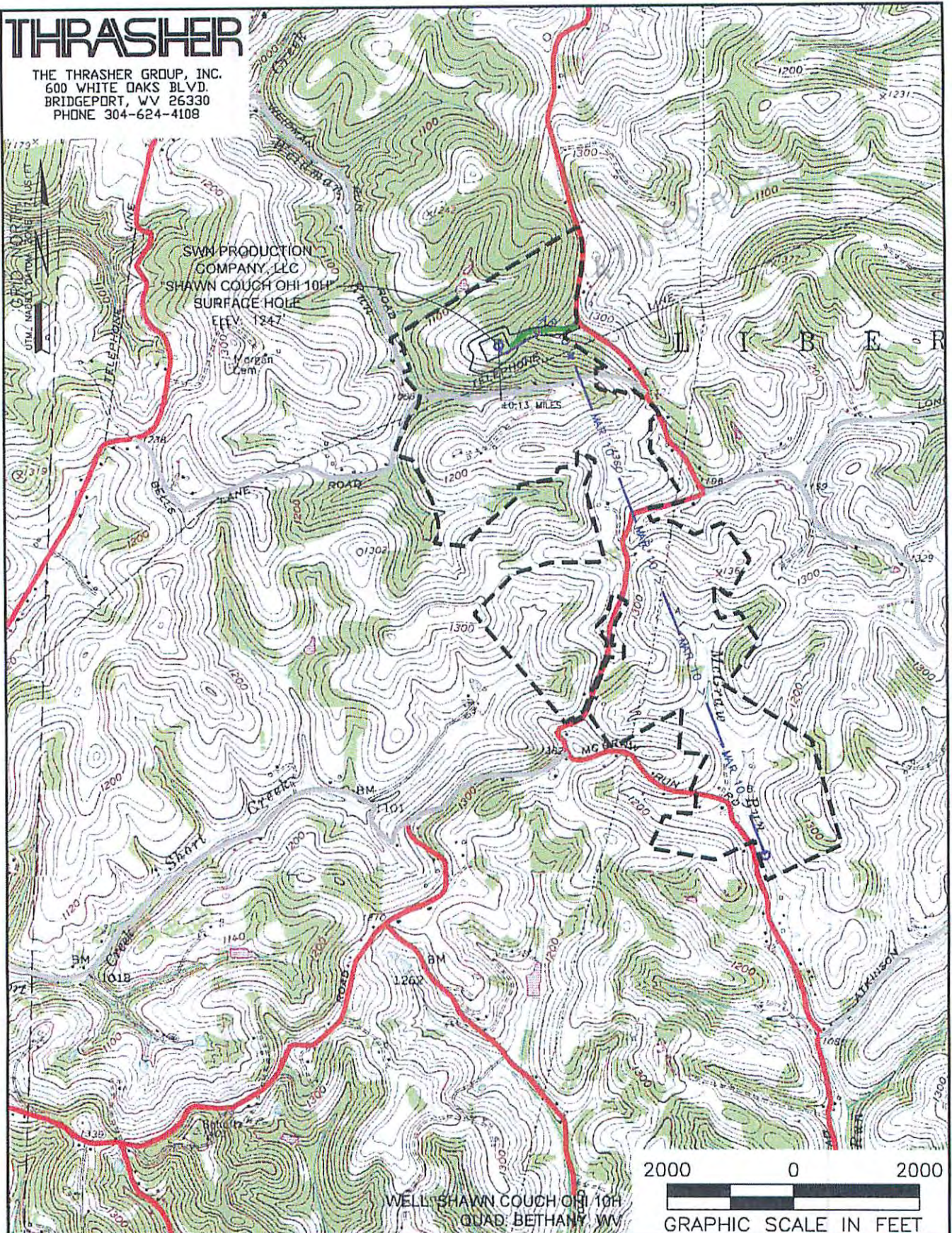
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC  
ADDRESS: P.O. BOX 1300  
CITY: JANE LEW STATE: WV ZIP CODE: 26378  
DESIGNATED AGENT: DEE SOUTHALL  
ADDRESS: P.O. BOX 1300  
CITY: JANE LEW STATE: WV ZIP CODE: 26378

LEGEND:  
○ PROPOSED SURFACE HOLE / BOTTOM HOLE  
☼ EXISTING / PRODUCING WELLHEAD  
○ ABANDONED WELL  
⊗ PLUGGED & ABANDONED WELL  
△ CUT CONDUCTOR  
--- LEASE BOUNDARY  
--- 500' DHP BUFFER  
--- MAR 10 --- MARCELLUS DHP  
--- ABANDONED PATH  
REVISIONS:  
DATE: 11-16-15  
DRAWN BY: K. POTH  
SCALE: 1" = 2000'  
DRAWING NO: 050-5635  
WELL LOCATION PLAT



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<b>NAME AND DISTANCE TO THE NEAREST STREAM:</b> UNNAMED TRIBUTARY OF WEIDMAN RUN IS LOCATED 0.13 MILES SW OF THE CENTER OF THE DRILL PAD.		<b>STREAM CROSSING COORDINATES (NAD 83):</b> A. LAT: 40.135295 / LONG: -80.5788252 B. LAT: 40.1286390 / LONG: -80.5752279		<b>COMPANY:</b> 	
<b>WELL RESTRICTIONS:</b> 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		<b>OPERATOR'S WELL #:</b> SHAWN COUCH 10H			
<b>FEMA FLOOD INFORMATION:</b> NO FLOOD ZONES.		<b>LOCATION:</b> LIBERTY DISTRICT, OHIO COUNTY, WEST VIRGINIA		NOV 23 2015 Office of Oil and Gas WV Dept. of Environmental Protection	
<b>LEGEND:</b> ○ PROPOSED SURFACE HOLE / BOTTOM HOLE ● EXISTING / PRODUCING WELLHEAD ⊗ ABANDONED WELL ⊕ PLUGGED & ABANDONED WELL △ CUT CONDUCTOR ○ (S) EXISTING SPRING ○ (W) EXISTING WATER WELL — ACCESS ROAD — ACCESS ROAD TO PREV. SITE — HIGHWAY/INTERSTATE — COUNTY ROAD		<b>SURFACE HOLE LOCATION:</b> GEOGRAPHIC (NAD83): LATITUDE: 40.147818° LONGITUDE: -80.588619		01/22/2016	
<b>REVISIONS:</b>		<b>BOTTOM HOLE LOCATION:</b> GEOGRAPHIC (NAD83): LATITUDE: 40.125763° LONGITUDE: -80.573809°		DATE: 11-05-15	
DRAWN BY: K. POTH SCALE: 1" = 2000' DRAWING NO: 050-5635 TOPOGRAPHIC MAP		PROPERTY NUMBER 2501163488 PAD ID 3001155644			