



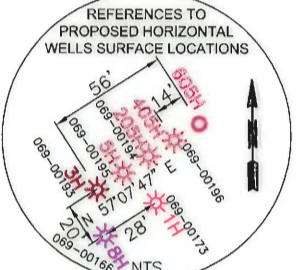
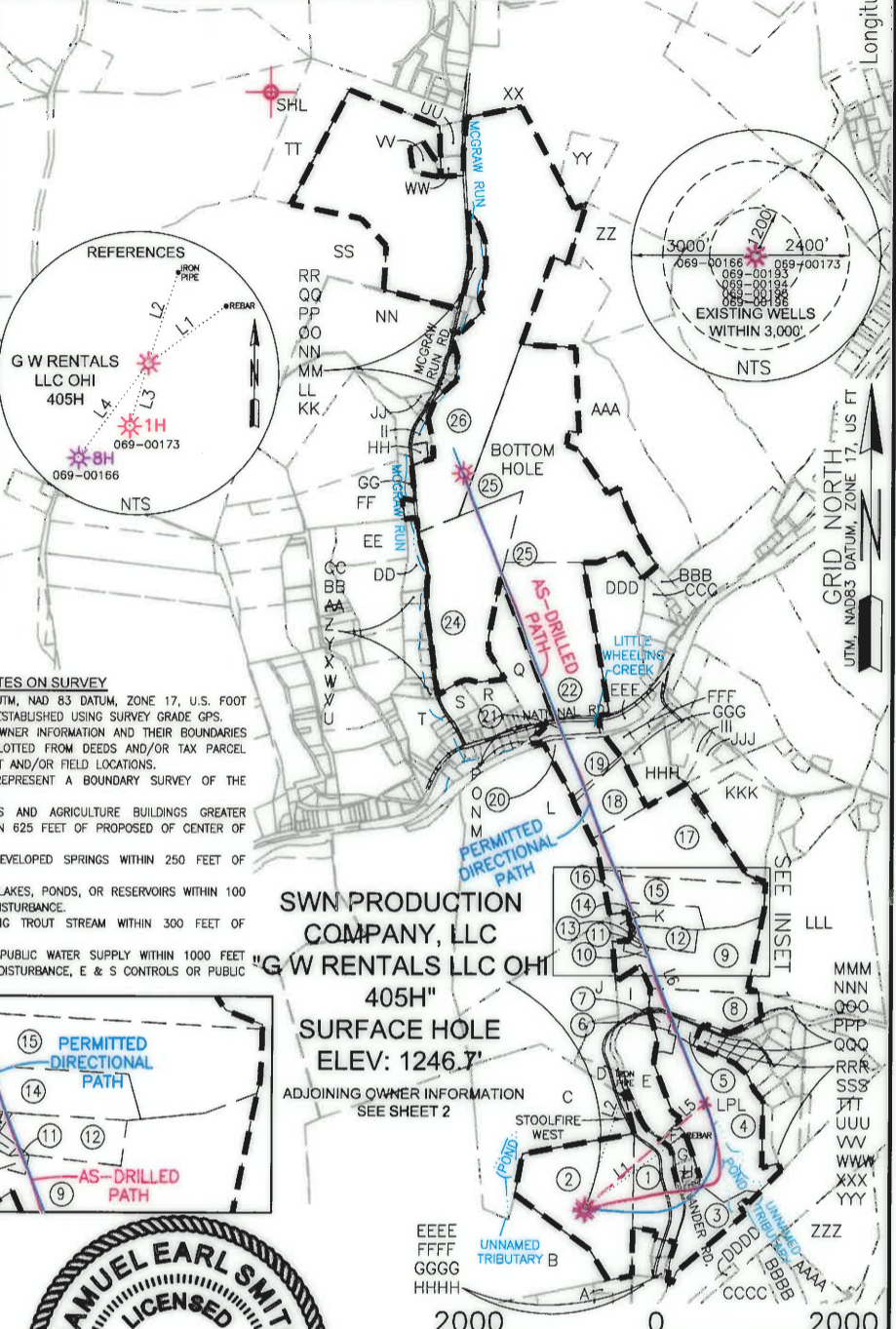
320 O'Bryan Lane • Van Buren, AR 72956
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Surveying • handa-inc.com

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 53°34'38" E	1295.89'	SHL TO LANDMARK	5/8" REBAR SET
L2	N 18°14'13" E	1278.77'	SHL TO LANDMARK	1" IRON PIPE
L3	S 16°48'35" W	29.88'	SHL TO REF. PNT.	G W RENTALS LLC OHI 1H WELL HEAD 069-00173
L4	S 35°31'18" W	55.40'	SHL TO REF. PNT.	G W RENTALS LLC OHI 8H WELL HEAD 069-00166
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L5	N 49°02'31" E	1700.85'		SHL TO LP
L6	N 21°27'15" W	7166.58'		LP TO BHL

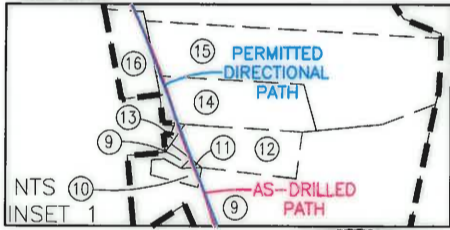
Latitude: 40°05'00"

Longitude: 80°32'30"

TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	GW RENTALS, LLC (S)	6-19-5	13.96
2	LEE J. GLESSNER & GARY W. GLESSNER (R)	6-19-5.1	27.66
3	LEE J. GLESSNER & GARY W. GLESSNER (R) JAMES Z. CHAMBERS (R) JEFFREY S. CHAMBERS (R) JUDY LYNN CHAMBERS (R)	6-19-57	9.31
4	SAMUEL LEE HARRIS SR., TRUSTEE OF THE ROBERT EDWARD LEE HARRIS & SAMUEL LEE HARRIS JR. IRREVOCABLE TRUST (S/R)	6-14-4.30	33.32
5	JOSEPH M. TEAGARDEN & MARLA M. TEAGARDEN (S) VICTOR A. WOOD & JENNA P. WOOD (R)	6-14-4.20	1.06
6	PAUL J. WINTERS & LINDA A. WINTERS (S/R)	6-14-4.18	0.45
7	PAUL J. WINTERS & LINDA A. WINTERS (S/R)	6-14-4.24	1.77
8	HOWARD A. WALLS III & TERESA L. WALLS (S/R)	6-14-4.24	1.77
9	GW RENTALS, LLC (S/R)	6-14-4	10.68
10	THOMAS DOEPKEN (S/R)	3-14-14	25.00
11	JOHN W. GRAMLICH JR & KATHLEEN M. GRAMLICH (S/R)	3-14-14.11	0.50
12	JOHN W. GRAMLICH JR (S/R)	3-14-14.9	0.21
13	JOHN W. GRAMLICH JR (S/R)	3-14-14.7	3.04
14	WILLIAM E. WARD & LOLLYANNE G. WARD (S/R)	3-14-14.8	0.15
15	LARRY R. LEWIS & WISON LEWIS (S/R)	3-14-14.15	0.71
16	WILLIAM E. WARD & LOLLYANNE G. WARD (S/R)	3-14-14.6	9.74
17	JAMES RICHARD HALL JR. & MELISSA RENEE HALL (S/R)	3-14-14.14	1.99
18	WILLIAM E. WARD & LOLLYANNE WARD (S/R)	3-14-14.4	18.34
19	JAMES E. LAUDERMILT, JR. & ASHLEY L. LAUDERMILT (S)	3-14-4	8.62
20	RICHARD K. DERRROW & ALICIA DERRROW (S/R)	3-14-3	6.74
21	VALLEY GROVE VOLUNTEER FIRE DEPARTMENT, INC. (S/R)	8-VG9-93	14.80
22	MARITHA A. STARKEY (S/R)	8-VG7-18	1.93
23	BARBARA A. JENKS (S/R)	8-VG7-24.1	25.87
24	LYNN REUSSER & YVONNE REUSSER (S/R)	3-14-2.2	32.26
25	WILLIAM S. PATTERSON III & DAWN E. PATTERSON (S/R)	3-11-20.1	66.28
26	LYNN REUSSER & YVONNE REUSSER (S/R)	3-11-10	131.07
27	MICHAEL D. VARGO & MELISSA JEAN VARGO (S/R)	3-11-10	131.07



- NOTES ON SURVEY**
- COORDINATE 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/OR FIELD LOCATIONS.
 - THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
 - NO OCCUPIED DWELLINGS AND AGRICULTURE BUILDINGS GREATER THAN 2500 SQ FT. 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, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
 - NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
 - NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.



SURFACE HOLE LOCATION (SHL)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,436,098.288 EASTING: 537,039.075
LANDING POINT LOCATION (LPL)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,436,440.514 EASTING: 537,434.277
BOTTOM HOLE LOCATION (BHL)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,438,473.536 EASTING: 536,635.328



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. 2315 *Samuel Earl Smith* 07-27-16

<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>G W RENTALS LLC OHI</p> <p>OPERATOR'S WELL #: 405H</p> <p>API WELL #: 47 69 00196</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: 1246.7'</p> <p>DISTRICT: TRIADELPHIA COUNTY: OHIO</p> <p>QUADRANGLE: VALLEY GROVE WV.</p> <p>SURFACE OWNER: GW RENTALS, LLC. ACREAGE: ±27.66</p> <p>OIL & GAS ROYALTY OWNER: LEE J GLESSNER & MARK W GLESSNER, JAMES Z CHAMBERS, JEFFREY S CHAMBERS, & JUDY LYNN CHAMBERS ACREAGE: ±27.66</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 DEPTH: 6,540' TVD 14,525' 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 --- AS-DRILLED PATH --- PERMITTED DIRECTIONAL PATH 		<p>△ REVISED DIRECTIONAL PATH, 08-06-2015 DATE: 12-16-2015</p> <p>△ ADDED ADJACENT PARCELS, 08-14-2015</p> <p>△ ADDED ADJACENT PARCEL OWNERS, TAX MAP</p> <p>PARCEL NUMBER, & ACREAGE, 09-10-2015 DRAWN BY: S. HUTSON</p> <p>SCALE: 1" = 2000'</p> <p>△ UPDATED WITH AS-DRILLED DIRECTIONAL PATH, 12-29-2015 DRAWING NO: 59359</p> <p>△ UPDATED PER. DIR. PATH, ADD LP COORDS 07-25-2016 WELL LOCATION PLAT</p>