



320 O'Bryan Lane • Van Buren, AR 72956  
Office: 479.474.7916 • Fax: 479.474.2450  
Surveying • handa-inc.com

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 53°32'39" E	1282.49'	SHL TO LANDMARK	5/8" REBAR SET
L2	N 17°51'50" E	1268.32'	SHL TO LANDMARK	1" IRON PIPE
L3	S 28°54'49" W	41.08'	SHL TO REF. PNT.	G W RENTALS LLC OHI 1H WELL HEAD 069-00173
L4	S 39°33'52" W	68.16'	SHL TO REF. PNT.	G W RENTALS LLC OHI 8H WELL HEAD 069-00166
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L5	N 80°17'33" E	2232.70'		SHL TO LP
L6	N 20°24'36" W	7228.56'		LP TO BHL

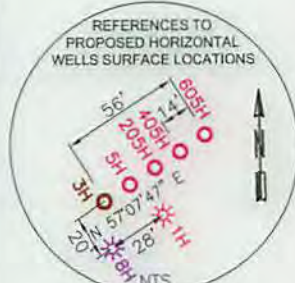
Latitude: 40°05'00"

Longitude: 80°32'30"

TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	GW RENTALS, LLC (S)	6-T9-5	13.96
2	LEE J. GLESSNER & GARY W. GLESSNER (R) GW RENTALS, LLC (S)	6-T9-5.1	27.66
3	SAMUEL LEE HARRIS SR., TRUSTEE OF THE ROBERT EDWARD LEE HARRIS & SAMUEL LEE HARRIS JR., IRREVOCABLE TRUST (S/R) JEFFREY S. CHAMBERS (R) JUDY LYNN CHAMBERS (R)	6-T9-57	9.31
4	JOSEPH M. TEAGARDEN & MARLA M. TEAGARDEN (S) VICTOR A. WOOD & JENNA P. WOOD (R)	6-T4-4.30	33.32
5	H. ELAINE SCHNEIDER & THOMAS E. SCHNEIDER (S/R)	6-T4-4.28	1.71
6	H. ELAINE SCHNEIDER & THOMAS E. SCHNEIDER (S/R)	6-T4-4.26	3.95
7	DAVID LEE BARNETT & NANCY BARNETT (S/R)	6-T4-4.23	0.88
8	CATHY A. CALISSIE (S/R)	6-T4-4.14	0.74
9	CATHY A. CALISSIE (S/R)	6-T4-4.15	0.14
10	ALBERT J. MESTROWIC JR & SHERRIE E. MESTROWIC (S/R)	6-T4-4.7	1.19
11	GARY W. VOORHEIS & SUNDARA VOORHEIS (S/R)	6-T4-4.6	1.03
12	GARY W. VOORHEIS & SUNDARA VOORHEIS (S/R)	6-T4-4.29	0.87
13	RCC PROPERTIES, LLC (S/R)	6-T4-4.11	0.87
14	GW RENTALS, LLC (S/R)	6-T4-4	10.68
15	THOMAS DOEPKEN (S/R)	3-L14-14	25.00
16	WILLIAM E. WARD & LOLLYANNE G. WARD (S/R)	3-L14-14.6	9.74
17	LARRY R. LEWIS & MISON LEWIS (S/R)	3-L14-14.13	4.95
18	WILLIAM E. WARD & LOLLYANNE G. WARD (S/R)	3-L14-14.4	18.34
19	SCOTT W. KNOLLINGER & BARBARA A. KNOLLINGER (S/R)	3-L14-5	5.74
20	WILDA X. DUNN (S/R)	3-L14-5.1	0.69
21	STEVEN PASSA (S/R)	3-L14-6	0.82
22	VALLEY GROVE VOLUNTEER FIRE DEPT., INC (S/R)	8-V09-93	14.80
23	THOMAS J. HUNTER & CAROL R. HUNTER (S/R)	8-V07-17	0.91
24	JACK LAWRENCE NELSON & CHARLOTTE ANN NELSON (S/R)	8-VG7-24	14.78
25	LYNN REUSSER & YVONNE REUSSER (S/R)	8-VG7-24.1	25.87
26	LYNN REUSSER & YVONNE REUSSER (S/R)	3-L11-20.1	66.28

**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 OF 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.

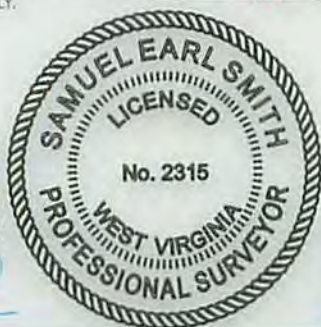


<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,436,102.929 EASTING: 537,046.192
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,436,440.161 EASTING: 537,637.213
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,438,505.005 EASTING: 536,869.079

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*



**SWN PRODUCTION COMPANY, LLC**  
**"G W RENTALS LLC OHI 605H"**  
**SURFACE HOLE**  
**ELEV: 1246.6'**



ADJOINING OWNER INFORMATION SEE SHEET 2



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

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

G W RENTALS LLC OHI  
OPERATOR'S WELL #: 605H  
API WELL #: 47 STATE 69 COUNTY 00201 HCA PERMIT

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

WATERSHED: WHEELING CREEK ELEVATION: 1,246.6'

DISTRICT: TRIADDELPHIA COUNTY: OHIO QUADRANGLE: VALLEY GROVE WV.

SURFACE OWNER: GW RENTALS, LLC. ACREAGE: ±27.66

OIL & GAS ROYALTY OWNER: LEE J GLESSNER & MARK W GLESSNER, JAMES Z CHAMBERS, JEFFREY S CHAMBERS, & JUDY LYNN CHAMBERS ACREAGE: ±27.66

DRILL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION

CONVERT  PLUG & ABANDON  CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

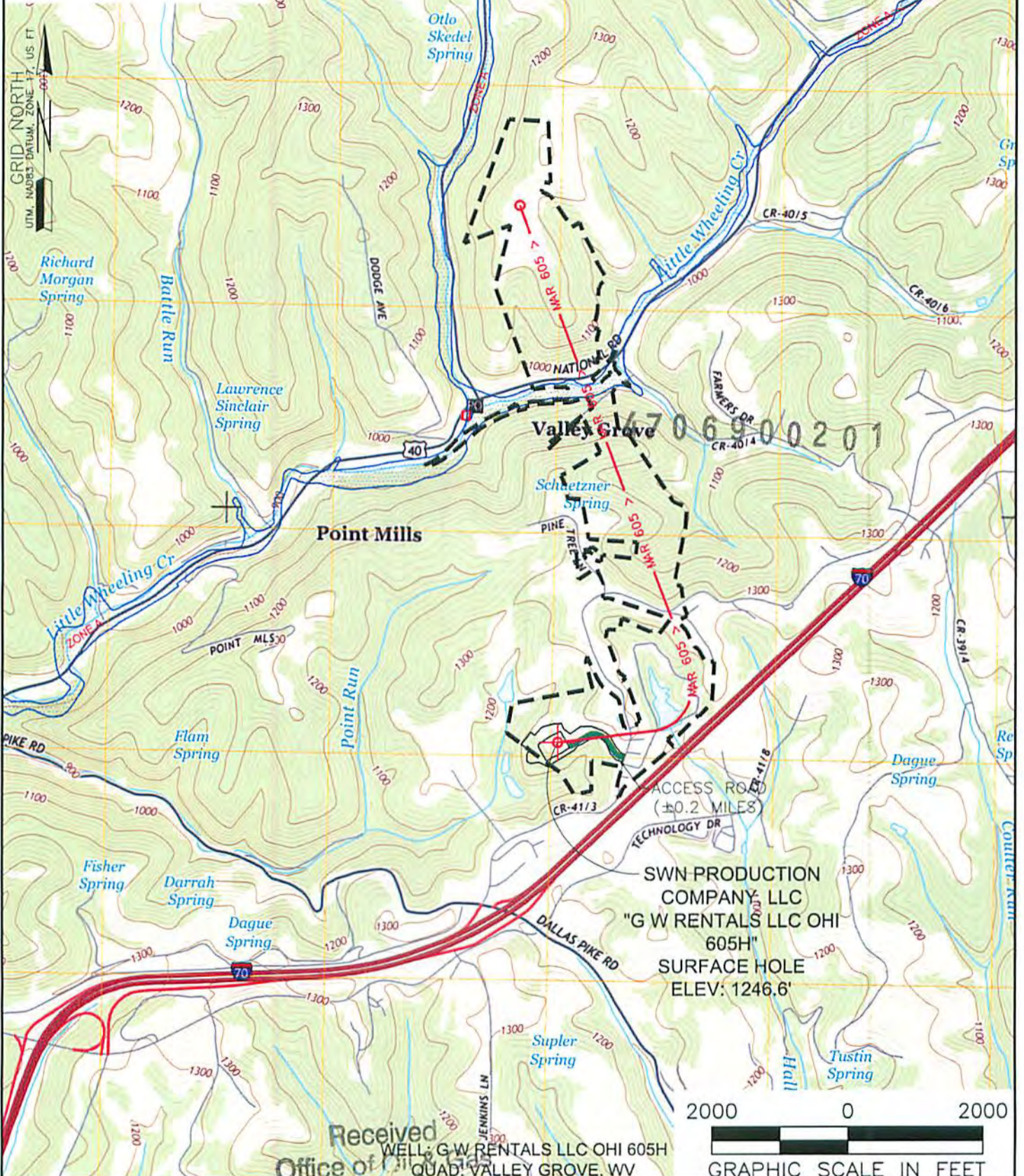
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,533' TVD 15,608' TMD

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

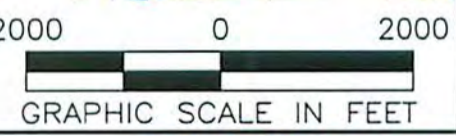
<b>LEGEND:</b> ○ PROPOSED SURFACE HOLE / BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD ⊗ ABANDONED WELL ⊗ PLUGGED & ABANDONED WELL △ CUT CONDUCTOR	<b>REVISIONS:</b> ▲ REVISED DIRECTIONAL PATH, 08-06-2015 ▲ ADDED ADJACENT PARCELS, 08-14-2015 ▲ ADDED ADJACENT PARCEL OWNERS, TAX MAP PARCEL NUMBER, & ACREAGE, 09-10-2015	DATE: 09-01-2015 SEE INSET SHEET 2 DRAWN BY: S. HUTSON SCALE: 1" = 2000' DRAWING NO: 59092 WELL LOCATION PLAT
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Received Office of WELL: G W RENTALS LLC OHI 605H QUAD: VALLEY GROVE, WV



<b>NAME AND DISTANCE TO THE NEAREST STREAM:</b> AN UNNAMED TRIBUTARY OF POINT RUN IS LOCATED ±0.15 MILES NORTHWEST OF THE CENTER OF THE DRILL PAD.		<b>STREAM CROSSING COORDINATES (NAD 83):</b> NO NEW CROSSINGS		<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</b> G W RENTALS LLC OHI		<b>WELL #:</b> 605H	
<b>FEMA FLOOD INFORMATION:</b> BY GRAPHIC PLOTTING ONLY FEMA FIRM UNINCORPORATED AREA OF OHIO COUNTY, WEST VIRGINIA; MAP NUMBER 54069C0080D; EFFECTIVE JULY 17, 2006.		<b>LOCATION:</b> TRIADELPHIA DISTRICT, OHIO COUNTY, WEST VIRGINIA		<b>SURFACE HOLE LOCATION:</b> GEOGRAPHIC (NAD83): LATITUDE: 40.074378° LONGITUDE: -80.565528°	
<b>LEGEND:</b> ○ PROPOSED SURFACE HOLE / BOTTOM HOLE ● EXISTING / PRODUCING WELLHEAD ⊗ ABANDONED WELL ⊕ PLUGGED & ABANDONED WELL △ CUT CONDUCTOR ○ EXISTING SPRING ○ EXISTING WATER WELL — ACCESS ROAD — ACCESS ROAD TO PREV. SITE — HIGHWAY/INTERSTATE — COUNTY ROAD		<b>BOTTOM HOLE LOCATION:</b> GEOGRAPHIC (NAD83): LATITUDE: 40.096027° LONGITUDE: -80.567468°		<b>REVISIONS:</b> △ REVISED DIRECTIONAL PATH, 08-06-2015	
				<b>DATE:</b> 09-01-2015	
				<b>DRAWN BY:</b> S. HUTSON	
				<b>SCALE:</b> 1" = 2000'	
				<b>DRAWING NO:</b> 59092	
				<b>TOPOGRAPHIC MAP</b>	

10/30/2015