



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°40'57" E	1338.26'	SHL TO LANDMARK	5/8" REBAR
L2	N 19°23'41" E	1312.17'	SHL TO LANDMARK	1" IRON PIPE
L3	S 78°35'46" E	27.45'	SHL TO REF. PNT.	G W RENTALS LLC OHI 1H WELL HEAD 069-00173
L4	S 08°42'57" E	22.17'	SHL TO REF. PNT.	G W RENTALS LLC OHI 8H WELL HEAD 069-00166
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L5	N 72°35'07" W	525.29'		SHL TO LP
L6	N 23°45'57" W	6702.98'		LP TO BHL

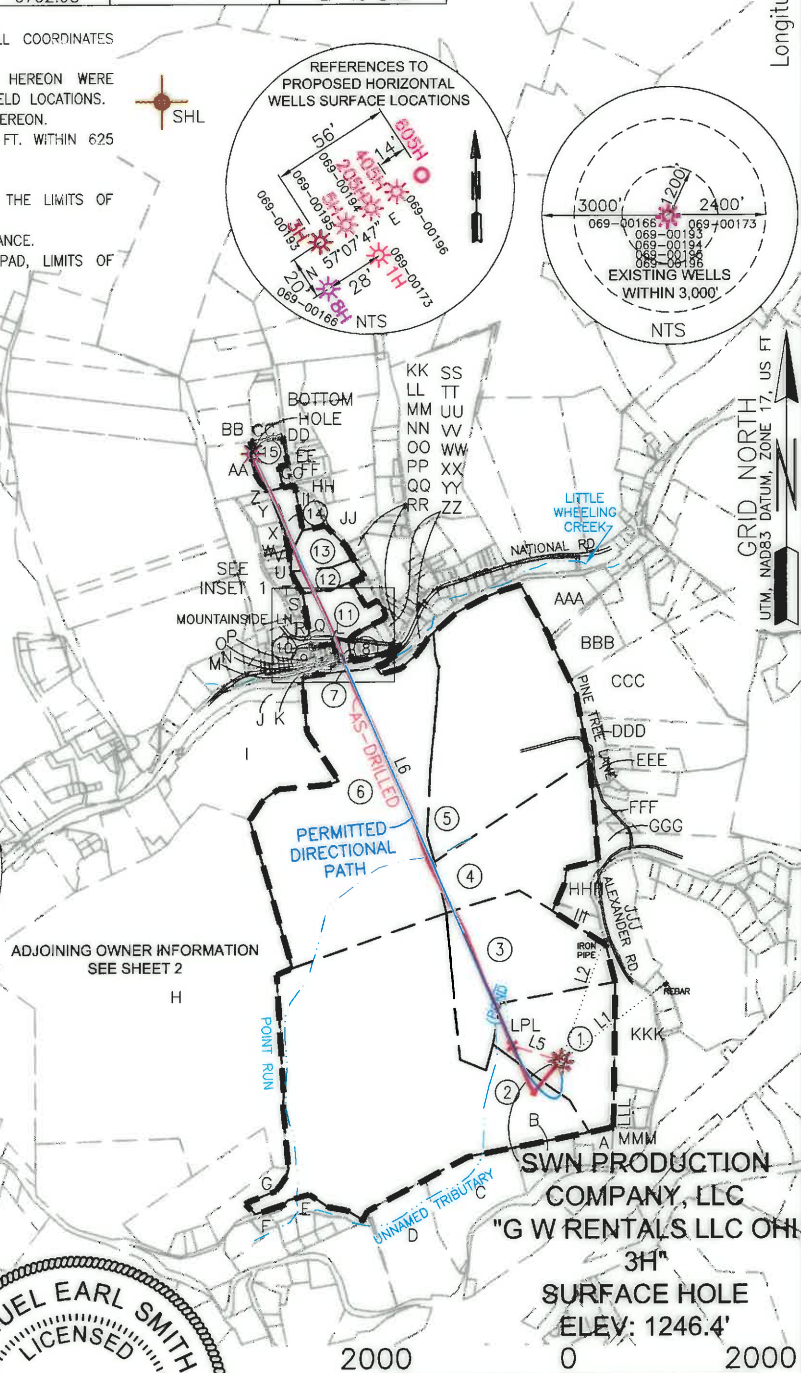
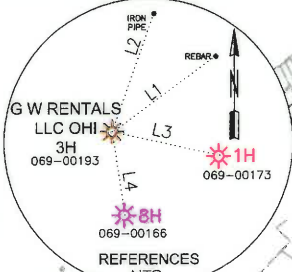
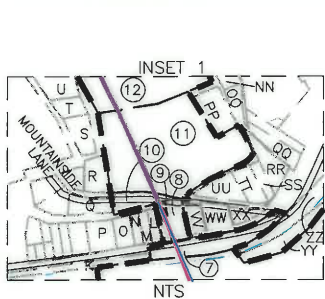
Latitude: 40°05'00"

Longitude: 80°32'30"

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.

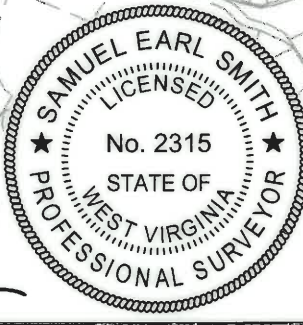
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	GW RENTALS, LLC (S) LEE J GLESSNER & GARY W GLESSNER (R) JAMES Z CHAMBERS (R) JEFFREY S CHAMBERS (R) JUDY LYNN CHAMBERS (R)	6-T9-5.1	27.66
2	WINDMILL TRUCKER CENTER, INC. (S/R)	6-T9-4	140.00
3	G W RENTALS, LLC (S) LEE J GLESSNER & GARY W GLESSNER (R)	6-T9-5.2	38.15
4	G W RENTALS, LLC (S/R)	6-T4-2.2	26.65
5	GARY W GLESSNER AS TRUSTEE OF THE LEE J GLESSNER DYNASTY TRUST (S) LEE J GLESSNER (R)	6-T4-2	86.89
6	BETTY M SINCLAIR (S/R)	3-L14-1.1	99.77
7	JOE VESPA (S/R)	8-VG9-92.1	0.88
8	WENDY PEARSON (S/R)	8-VG9-53	0.43
9	RANDY LEE SUTTON, SR (S/R)	8-VG9-52	0.21
10	PEGGY BALLER EVERLY & CARL J BALLER, JR (S/R)	8-VG9-13	0.29
11	DONN J MORRIS JR & DOLORES A MORRIS (S/R)	8-VG9-23	7.38
12	ROBERT L ETCHISON (S/R)	3-14A-172	3.09
13	ROBERT L ETCHISON (S/R)	3-L14A-143	4.84
14	ROBERT L ETCHISON (S/R)	3-L14A-63	2.10
15	MICHAEL A ZINK & PATRICIA J ZINK (S/R)	3-L14A-190	3.25



SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,436,093.623 EASTING: 537,031.938
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,436,141.541 EASTING: 536,879.168
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,438,011.361 EASTING: 536,055.811

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.

Samuel Earl Smith
P.S. 2315



(+) 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 SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)	COMPANY: SWN Production Company, LLC G W RENTALS LLC OHI OPERATOR'S WELL #: 3H API WELL #: 47 69 00193 STATE COUNTY PERMIT
	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"/>	WATERSHED: WHEELING CREEK DISTRICT: TRIADELPHIA COUNTY: OHIO SURFACE OWNER: GW RENTALS, LLC OIL & GAS ROYALTY OWNER: LEE J GLESSNER & GARY W GLESSNER, JAMES Z CHAMBERS, JEFFREY S CHAMBERS, & JUDY LYNN CHAMBERS 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"/>

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: P.O. BOX 1300 CITY: JANE LEW STATE: WV ZIP CODE: 26378	DESIGNATED AGENT: DEE SOUTHALLE ADDRESS: P.O. BOX 1300 CITY: JANE LEW STATE: WV ZIP CODE: 26378
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LEGEND: ○ PROPOSED SURFACE HOLE / BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD X ABANDONED WELL X PLUGGED & ABANDONED WELL △ CUT CONDUCTOR	--- LEASE BOUNDARY --- AS-DRILLED PATH --- PERMITTED --- DIRECTIONAL PATH	REVISIONS: DATE: 11-20-2015 DRAWN BY: K. IRVIN SCALE: 1" = 2000' DRAWING NO: 59422 WELL LOCATION PLAT
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ADJOINING OWNERS

TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	BUD & DARL INC	6-T9-6.6	2.31
B	JVB RESTAURANT ENTERPRISES LLC	6-T9-6.5	3.88
C	WINDMILL TRUCKERS CENTER INC	6-T9-36.7	16.00
D	HUNTER REALTY PARTNERS, LLC	6-T9-7	15.81
E	CAROL L. HOWARD	6-T9-2	2.34
F	BILLE JO LONG	6-T9-1.1	0.65
G	RANDAL ALAN HOWARD	6-T8-16	5.68
H	KEVIN S KOSEM & B A KOSEM	6-T3-27	164.00
I	JAMES K GIBSON	8-L14-1	34.49
J	VALLEY GROVE VOLUNTEER FIRE DEPARTMENT, INC.	8-VG9-93	14.80
K	VILLAGE OF VALLEY GROVE	8-VG9-92	0.80
L	RANDY LEE SUTTON SR	8-VG9-50	0.21
M	RANDY LEE SUTTON SR	8-VG9-48	0.21
N	RANDY SUTTON & GRACE SUTTON	8-VG9-46	0.20
O	MILO M MEYER & NORMA J MEYER	8-VG9-44	0.39
P	JOSEPH BRENT PEARSON & WENDY E. PEARSON	8-VG9-34	0.58
Q	GAIL W KAHLE	8-VG9-10	0.52
R	THOMAS J LAPE & SUSAN S LAPE	8-VG9-18	0.48
S	PEGGY BALLER EVERLY & CARL J. EVERLY, JR.	3-L14E-1	0.58
T	ROBERT L ETCHINSON	3-L14A-194	0.38
U	ROBERT L ETCHINSON	3-L14A-196	1.36
V	GAIL W. KAHLE & ANNE M. KAHLE	3-L14A-14	0.37
W	GAIL W. KAHLE & ANNE M. KAHLE	3-L14A-15	0.31
X	ROBERT L ETCHINSON	3-L14A-195	1.46
Y	ROBERT L ETCHINSON	3-L14A-28	1.56
Z	JOHN THOMAS DICK	3-L14A-38	0.72
AA	THELMA R POMPEO & DOMINIC J POMPEO	3-L14A-182	6.26
BB	FRANK PETERS ESTATE	3-L14A-184	4.53
CC	MICHAEL ZINK	3-L14A-83	0.98
DD	JOHN M BORING III & APRIL D BORING	3-L11N-31	4.85
EE	MELVIN KAHLE	3-L14A-118	0.79
FF	MICHAEL A ZINK & PATRICIA J ZINK	3-L14A-192	1.54
GG	MICHAEL A ZINK & PATRICIA ZINK	3-L14A-65	0.38
HH	DAVID E. DAVIS, JR.	3-L14A-129	0.85
II	ROBERT L ETCHINSON	3-L14A-141	1.63
JJ	HAROLD K SAYRE	3-L14A-189	4.39
KK	CHARLES J. SAVAGE	3-L14A-174	0.45
LL	CHARLES J. SAVAGE	3-L11-17	0.59
MM	CHARLES J. SAVAGE	3-L14A-176	0.18
NN	ROBERT L. ETCHISON	3-L14A-193	0.57
OO	CHARLES J. SAVAGE	3-L11-17	0.59
PP	CARL J BALLER JR & B J BALLER	8-VG9-23.1	0.85
QQ	TODD M MAXWELL	8-VG9-76.1	0.40
RR	L&M RENTALS, LLC	8-VG9-76	0.49
SS	REBECCA ANN CORNELL & PARKER ADAM CORNELL	8-VG9-72	0.26
TT	REBECCA ANN CORNELL & PARKER ADAM CORNELL	8-VG9-69	0.52
UU	REBECCA CORNELL & P A CORNELL (INFANT)	8-VG9-66	0.60
VV	WENDY PEARSON	8-VG9-55	0.39
WW	ROSALIE M. EARNEST & GLADYS E. MOORE	8-VG9-59.1	0.45
XX	THOMAS J HOWARD	8-VG9-59	0.30
YY	VALLEY GROVE VOLUNTEER FIRE DEPARTMENT, INC.	8-VG9-94	0.83
ZZ	VALLEY GROVE VOLUNTEER FIRE DEPARTMENT, INC.	8-VG9-93	15.88
AAA	RICHARD K DERROW & ALICIA DERROW	3-L14-3	6.74
BBB	JAMES E LAUDERMILT JR & ASHLEY L LAUDERMILT	3-L14-4	8.62
CCC	WILLIAM E WARD & LOLLYANNE WARD	3-L14-14.4	18.34
DDD	JAMES RICHARD HALL JR & MELLISA RENEE HALL	3-L14-14.14	1.99
EEE	WILLIAM E WARD & L G WARD	3-L14-14.3	1.34
FFF	THOMAS DOEPKEN	3-L14-14	25.00
GGG	LEE J GLESSNER	6-T4-4.5	3.39
HHH	ROBERT B ELLIOTT & KATHY A ELLIOTT	6-T4-4.2	3.71
III	GW RENTALS, LLC	6-T4-4.4	1.72
JJJ	GARY W GLESSNER	6-T4-4.9	9.78
KKK	GW RENTALS, LLC	6-T9-5	13.96
LLL	JAMES W. JOHNSON & BARBARA A. JOHNSON	6-T9-6.7	2.18
MMM	JOANN T MOFFETT	6-T9-6	1.51

REVISIONS:

COMPANY:

SWN

Production Company, LLC

SWN
Production Company™

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Office of Oil and Gas
JAN 26 2017

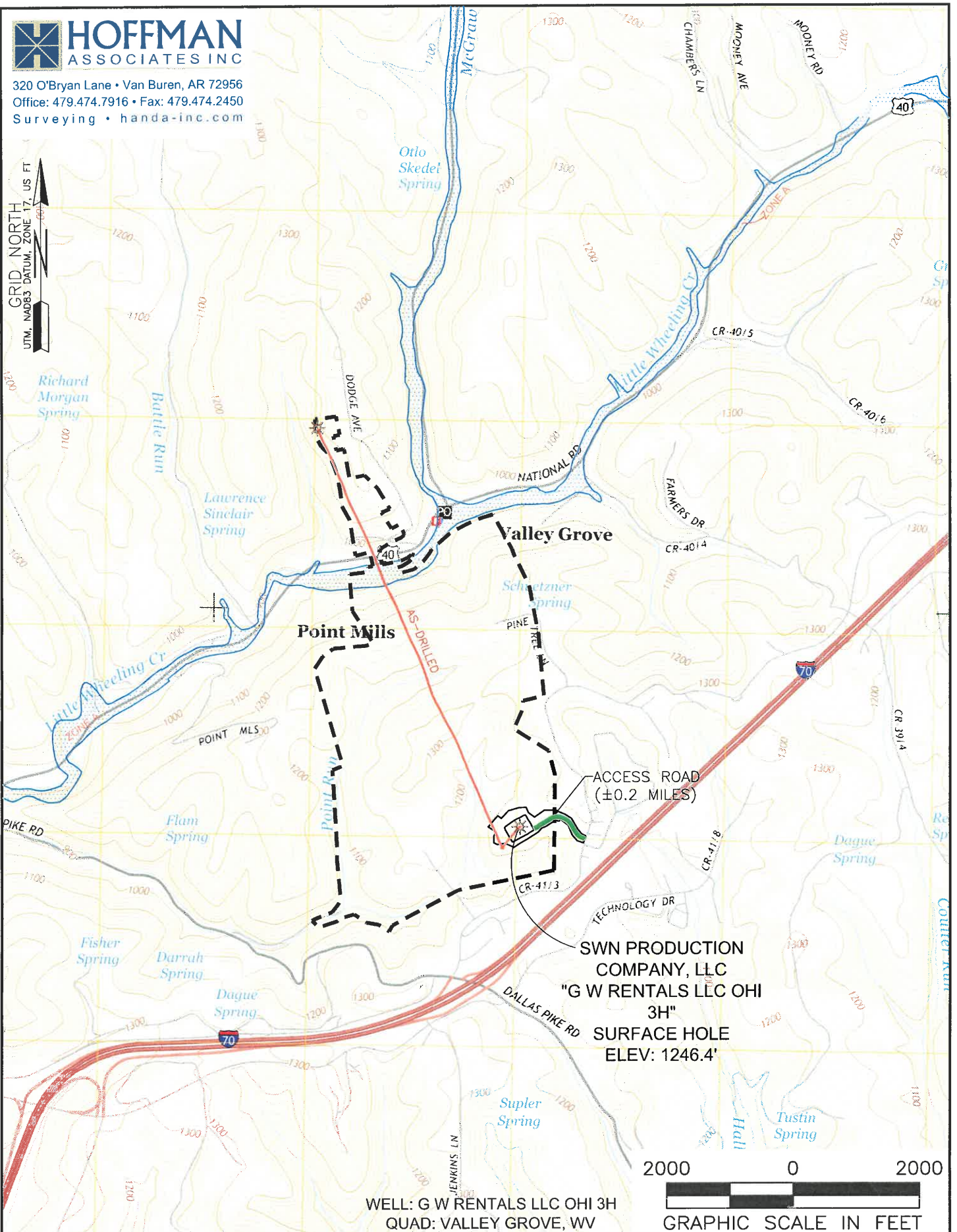
OPERATOR'S G W RENTALS LLC OHI

WELL #: 3H

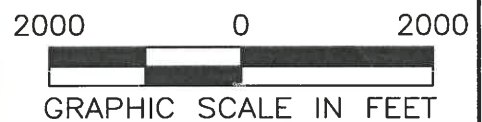
LOCATION: TRIADELPHIA DISTRICT,
OHIO COUNTY, WEST VIRGINIA

WV Department of Environmental Protection
DATE: 1-20-2015
DRAWN BY: K. IRVIN
SCALE: N/A
DRAWING NO: 59422
ADJOINING OWNERS

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



WELL: G W RENTALS LLC OHI 3H
QUAD: VALLEY GROVE, WV



NAME AND DISTANCE TO THE NEAREST STREAM: AN UNNAMED TRIBUTARY OF POINT RUN IS LOCATED ±0.15 MILES NORTHWEST OF THE CENTER OF THE DRILL PAD.		STREAM CROSSING COORDINATES (NAD 83): NO NEW CROSSINGS.		COMPANY: 	
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 G W RENTALS LLC OHI		WELL #: 3H	
FEMA FLOOD INFORMATION: BY GRAPHIC PLOTTING ONLY FEMA FIRM UNINCORPORATED AREA OF OHIO COUNTY, WEST VIRGINIA; MAP NUMBER 54069C0080D; EFFECTIVE JULY 17, 2006.		LOCATION: TRIADELPHIA DISTRICT, OHIO COUNTY, WEST VIRGINIA		SURFACE HOLE LOCATION: GEOGRAPHIC (NAD83): LATITUDE: 40.074295° LONGITUDE: -80.565696°	
LEGEND: ○ 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		BOTTOM HOLE LOCATION: GEOGRAPHIC (NAD83): LATITUDE: 40.091615° LONGITUDE: -80.577036°	
		REVISIONS:		DATE: 11-20-2015 BY: K. IRVIN SCALE: 1" = 2000' DRAWING NO: 59422 TOPOGRAPHIC MAP	

RECEIVED
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JAN 26 2017