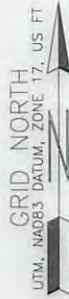


JACKSON SURVEYING INC.

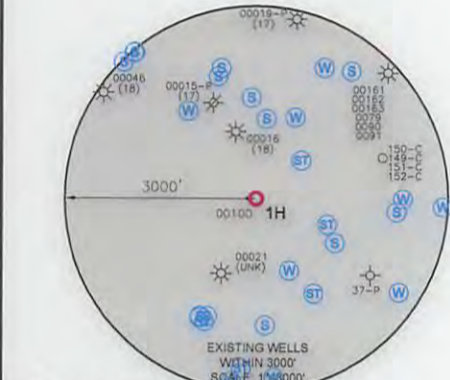
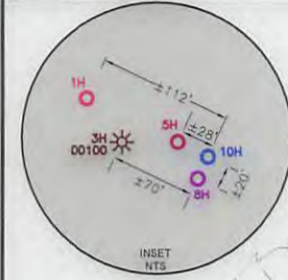
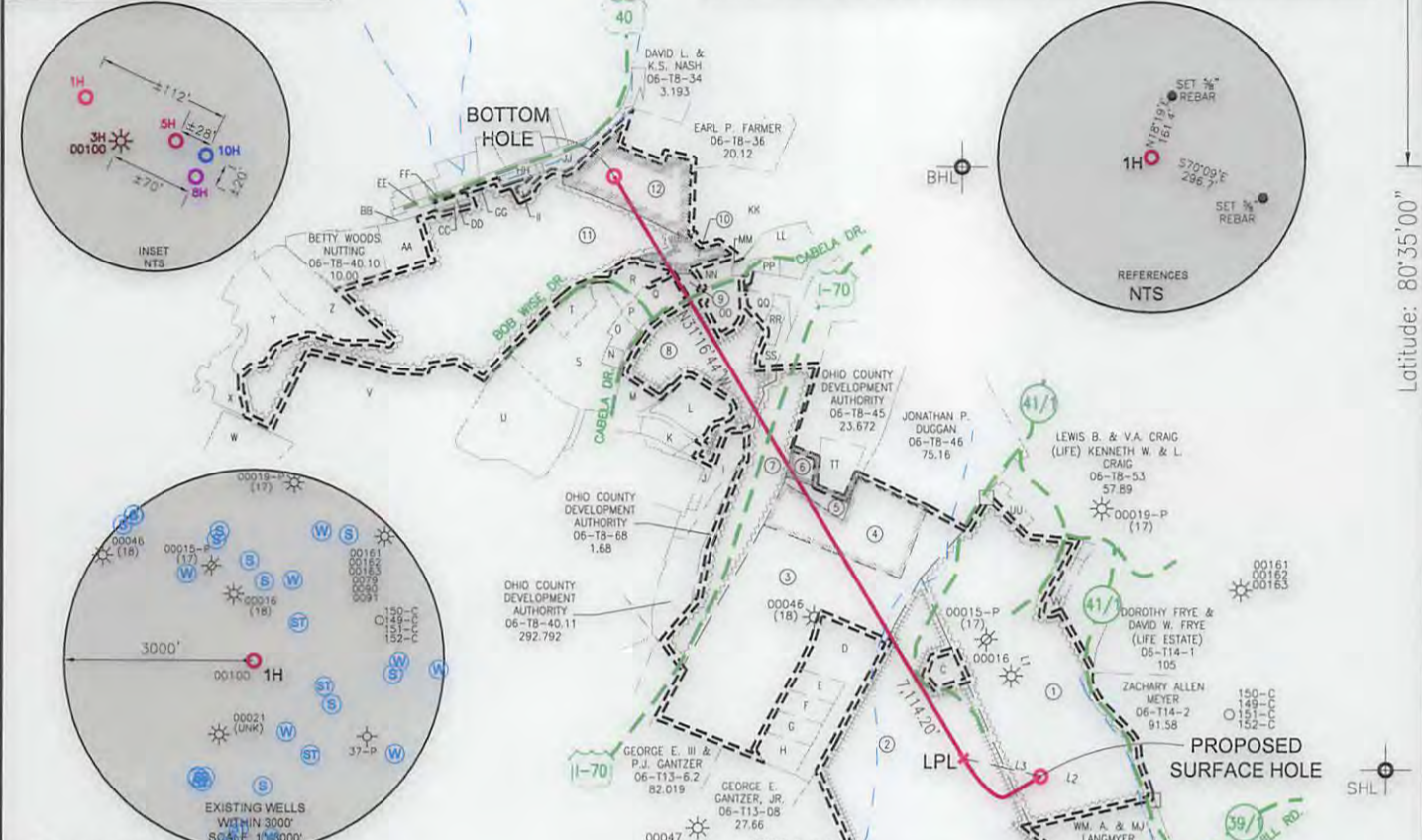
P.O. Box 1460
677 W. Main St.
Clarksburg, WV 26302
304-623-5851



SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,160.625 EASTING: 535,412.690
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,216.778 EASTING: 535,165.173
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,435,070.012 EASTING: 534,039.322

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 11°19'45" W	2969.39'	SHL TO LANDMARK	SPIKE FOUND
L2	S 77°59'00" E	1211.04'	SHL TO LANDMARK	CORNER FENCE POST

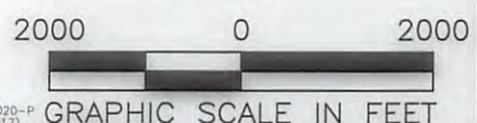
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 77°13'04" W	832.70'	1059.16'	SHL TO LP



- WELL RESTRICTIONS**
- NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
 - NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
 - WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
 - 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.

- NOTES ON SURVEY**
- 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.
 - ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

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. 708 *David Jackson*

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

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

OPERATOR'S WELL #: 1H
API WELL #: 47 STATE COUNTY PERMIT 06900214

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

WATERSHED: TANYARD RUN OF MIDDLE WHEELING CREEK ELEVATION: 1329.3'

DISTRICT: TRIADELPHIA COUNTY: OHIO QUADRANGLE: VALLEY GROVE, WV

SURFACE OWNER: DEBORAH ANN CRAIG AND SETH COLLIN CRAIG ACREAGE: ±85.045

OIL & GAS ROYALTY OWNER: DEBORAH ANN CRAIG AND SETH COLLIN CRAIG ACREAGE: ±85.045

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: 6,549 TVD 14,074 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

LEGEND:	— SURVEYED BOUNDARY	REVISIONS:	DATE: 12-20-2016
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— DRILLING UNIT		
⊙ EXISTING / PRODUCING WELLHEAD	== LEASE BOUNDARY		
LPL LANDING POINT LOCATION	— PROPOSED PATH		
W EXISTING WATER WELL			
S EXISTING SPRING			
			DRAWN BY: N. MANO
			SCALE: 1" = 2000'
			DRAWING NO:
			WELL LOCATION PLAT

JACKSON SURVEYING

INC.



P.O. Box 1460
677 W. Main St.
Clarksburg, WV 26302
304-623-5851

69-00214 H6A

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	DEBORAH ANN CRAIG & SETH COLLIN CRAIG (S/R)	06-T13-16	85.045
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
2	JOHN M. REIHNER & ROBYN R. REIHNER (S)	06-T13-15	96.955
3	GREGORY R. GANTZER & MARY REBECCA GANTZER (S)	06-T13-07	66.030
4	GEORGE E. III & PATRICIA C. GANTZER (S)	06-T8-49	18.400
5	OHIO COUNTY DEVELOPMENT AUTHORITY (S)	06-T8-49.2	2.350
6	OHIO COUNTY DEVELOPMENT AUTHORITY (S)	06-T8-49.1	2.990
7	GREGORY R. GANTZER & MARY REBECCA GANTZER, GEORGE E. III & PATRICIA C. GANTZER, OHIO COUNTY DEVELOPMENT AUTHORITY & CABELLAS WHOLESale, INC. (S)	1-70	25.725
8	CABELAS WHOLESale, INC. (S)	06-T8-40.17	30.520
9	OHIO COUNTY DEVELOPMENT AUTHORITY (S)	06-T8-40.38	1.160
10	OHIO COUNTY DEVELOPMENT AUTHORITY (S)	06-T8-40.20	6.590
11	OHIO COUNTY DEVELOPMENT AUTHORITY (S)	06-T8-40	97.780
12	GAIL W. KAHLE (S)	06-T8-38	19.028

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	WILLIAM & MARY J. LANGMYER	06-T13-14.1	3.60
B	BRIANNA DAWN RODAK	06-T13-14.2	8.117
C	TIMOTHY J. FEIOCK	06-T13-15.1	2.045
D	GEORGE E. III & PATRICIA C. GANTZER	06-T13-27	16.288
E	RUSSELL & AMY GANTZER	06-T13-7.2	2.8
F	WILLIAM A. ISALY, JR.	06-T13-7.1	2.8
G	GREGORY R. GANTZER & MARY REBECCA GANTZER	06-T13-7.3	2.8
H	RUSSELL F. GANTZER	06-T13-7.4	2.8
I	OHIO COUNTY DEVELOPMENT AUTHORITY	06-T8-40.13	5.15
J	OHIO COUNTY DEVELOPMENT AUTHORITY	06-T8-40.18	3.34
K	OHIO COUNTY DEVELOPMENT AUTHORITY	06-T8-40.50	LOT 3A
L	OHIO COUNTY DEVELOPMENT AUTHORITY	06-T8-40.51	6.39
M	OHIO COUNTY DEVELOPMENT AUTHORITY	06-T8-40.48	LOT 1A
N	WENDY'S EASTERN MGT GP INC.	06-T8-40.37	1.06
O	MCDONALD'S USA LLC	06-T8-40.36	1.2
P	BOB EVANS FARMS	06-T8-40.33	1.6
Q	GREER LAND CO.-WHEELING LLC	06-T8-40.39	LOT 3C
R	OHIO COUNTY DEVELOPMENT AUTHORITY	06-T8-40.44	LOT 3D
S	OHIO COUNTY DEVELOPMENT AUTHORITY	06-T8-40.11	292.792
T	RSV WHEELING LLC	06-T8-40.58	2.96
U	WALMART REAL ESTATE	06-T8-40.30	21.61
V	OHIO COUNTY DEVELOPMENT AUTHORITY	06-T8-40.5	174.636
W	THOMAS J. HOWARD	06-T8-42	11.29
X	CHRISTOPHER PAGANO & ALYCE F. PAGANO	06-T8-62	5.169
Y	MARCIA KIRKLAND	06-T8-41.1	12.437
Z	MICHAEL E. RICHARDS & LEROY E. RICHARDS	06-T8-41.2	13.3245
AA	BETTY WOODS NUTTING	06-T8-40.62	4.925
BB	CONTRACT DEVELOPMENT, INC.	06-T8-57.1	1.008
CC	PHK LLC.	06-T8-57	0.332
DD	PHK LLC.	06-T8-55	0.8
EE	CONTRACT DEVELOPMENT CO.	06-T8-51	0.615
FF	PHK LLC.	06-T8-3.11	0.506
GG	PHK LLC.	06-T8-3.13	0.4176
HH	L.D. REALTY, INC.	06-T8-58.1	1.0615
II	PHK LLC.	06-T8-59	0.537
JJ	PHK LLC.	06-T8-58	2.65
KK	OHIO COUNTY COMMISSION	06-T8-40.1	19.14
LL	BROWNSVILLE CENTURY LLC	06-T8-40.66	2.00
MM	OHIO COUNTY DEVELOPMENT AUTHORITY	06-T8-40.16	0.125
NN	WESBANCO	06-T8-40.43	LOT 3A
OO	P.T.M. L.P.	06-T8-40.59	2.53
PP	O.C.D.A. BUILDING ONE	06-T8-40.34	0.85
QQ	APPALACHIAN LAND & LEASING COMPANY LLC	06-T8-40.25	1.82
RR	RUSSELL STOVER CANDIES, INC.	06-T8-40.24	1.25
SS	CABELAS VENTURES, INC.	06-T8-40.19	1.85
TT	WV DOT	06-T8-45.8	4.39
UU	KENNETH BRYAN CRAIG	06-T8-53.2	2.0
VV	DEBORAH ANN CRAIG & SETH COLLIN CRAIG	06-T8-50	1.924

02/17/2017

REVISIONS:	COMPANY:	 	
	OPERATOR'S	DEBORAH CRAIG OHI	
	WELL #:	1H	
	DISTRICT:	COUNTY:	STATE:
	TRIADELPHIA	OHIO	WV
			DATE: 12-20-2016
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 2