

**JACKSON SURVEYING**

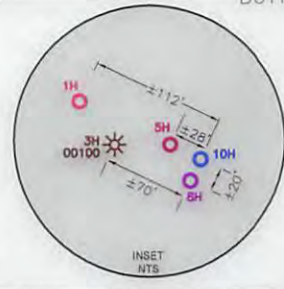
**INC.**

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

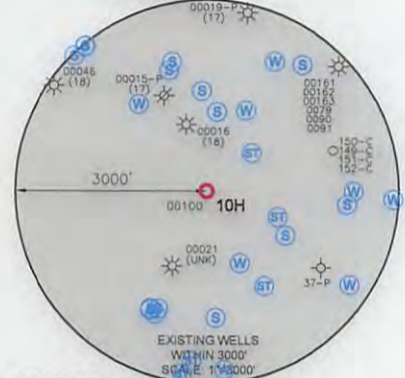
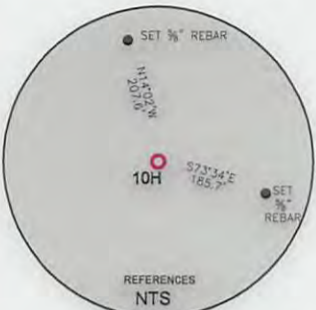
<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,145.927 EASTING: 535,443.487
<b>LANDING POINT (LPT):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,110.964 EASTING: 535,667.585
<b>AZIMUTH TURN (AZT):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,431,562.921 EASTING: 536,724.765
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,430,985.805 EASTING: 537,028.618

Latitude: 40°05'00" SURFACE HOLE 322' ← → BOTTOM HOLE 6821' ← →

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



LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 13°01'10" W	3037.84'	SHL TO LANDMARK	SPIKE FOUND
L2	S 79°20'28" E	1102.48'	SHL TO LANDMARK	FENCE POST FOUND
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 81°07'56" E	744.12'	1008.77'	SHL TO LP
L4	S 27°46'01" E	2139.82'	2141.73'	AZT TO BHL



**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.

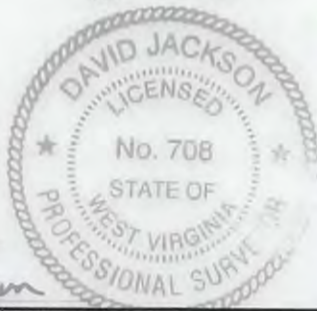
**NOTES ON SURVEY**

- 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 L. Jackson*



COMPANY: **SWN** Production Company, LLC

OPERATOR'S WELL #: 10H

API WELL #: 47 STATE COUNTY PERMIT

(+) 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)

DEBORAH CRAIG OH!

OPERATOR'S WELL #: 10H

API WELL #: 47 STATE COUNTY PERMIT

069 06212

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

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

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

SURFACE OWNER: DEBORAH ANN CRAIG ACREAGE: ±84.63

OIL & GAS ROYALTY OWNER: DEBORAH ANN CRAIG ACREAGE: ±84.63

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: 6,573 TVD 15,269 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: DEE SOUTHALL

ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300

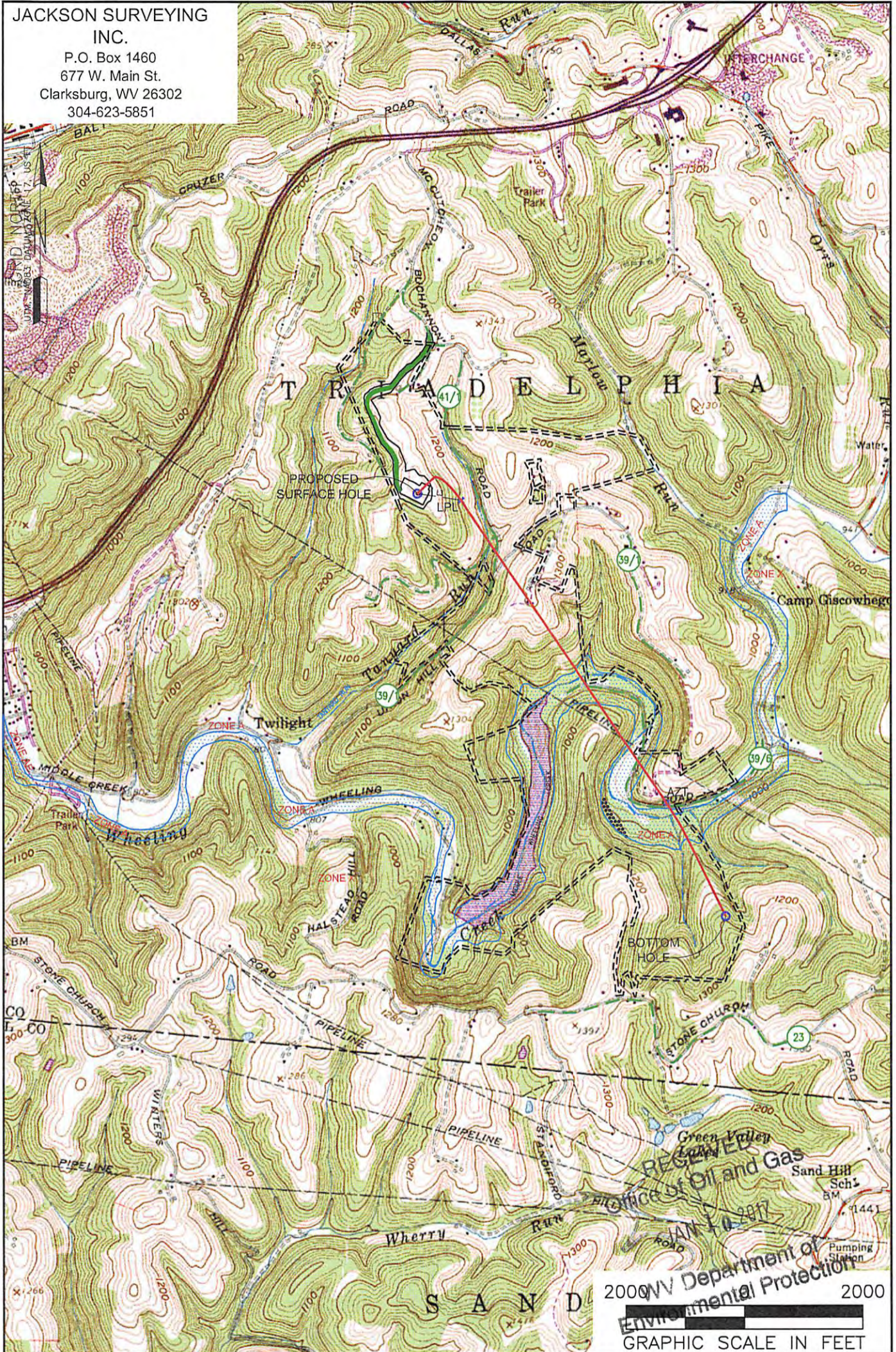
CITY: JANE LEW STATE: WV ZIP CODE: 26378 CITY: JANE LEW STATE: WV ZIP CODE: 26378

<b>LEGEND:</b>	— SURVEYED BOUNDARY	— DRILLING UNIT
⊙ PROPOSED SURFACE HOLE / BOTTOM HOLE	— LEASE BOUNDARY	— PROPOSED PATH
⊙ EXISTING / PRODUCING WELLHEAD		
LPL* LANDING POINT LOCATION		
⊙ EXISTING WATER WELL		
⊙ EXISTING SPRING		

<b>REVISIONS:</b>	DATE: 11-15-2016
△ ADDED TRACT 8 01-06-2017	
	DRAWN BY: N. MANO
	SCALE: 1" = 2000'
	DRAWING NO:
	WELL LOCATION PLAT

**JACKSON SURVEYING  
INC.**

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304-623-5851



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- 2.
- 3.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

**LEGEND:**

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ⊗ EXISTING / PRODUCING WELLHEAD
- LPL x LANDING POINT LOCATION
- ⬢ FLOOD PLAIN

- ACCESS ROAD
- - - PUBLIC ROAD
- ACCESS ROAD
- == LEASE BOUNDARY
- PROPOSED PATH

02/25/2017

**WELL OPERATOR:**  
SWN PRODUCTION COMPANY, LLC

**ADDRESS:**  
P.O. BOX 1300 JANE LEW, WV 26378

**SURFACE OWNER:**  
DEBORAH ANN CRAIG

**WELL (FARM) NAME:**  
DEBORAH CRAIG OHI

**COUNTY - CODE**  
OHIO - 069

**USGS 7 1/2 QUADRANGLE MAP NAME**  
VALLEY GROVE, WV

**WELL #**  
10H

**SERIAL #**

**DISTRICT:**  
TRIADELPHIA