

Latitude: 39°35'00"

SURFACE HOLE 10,170'

Latitude: 39°35'00"

BOTTOM HOLE 5,889'

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: 4,380,739.751
EASTING: 572,053.923

LANDING POINT (LPL):

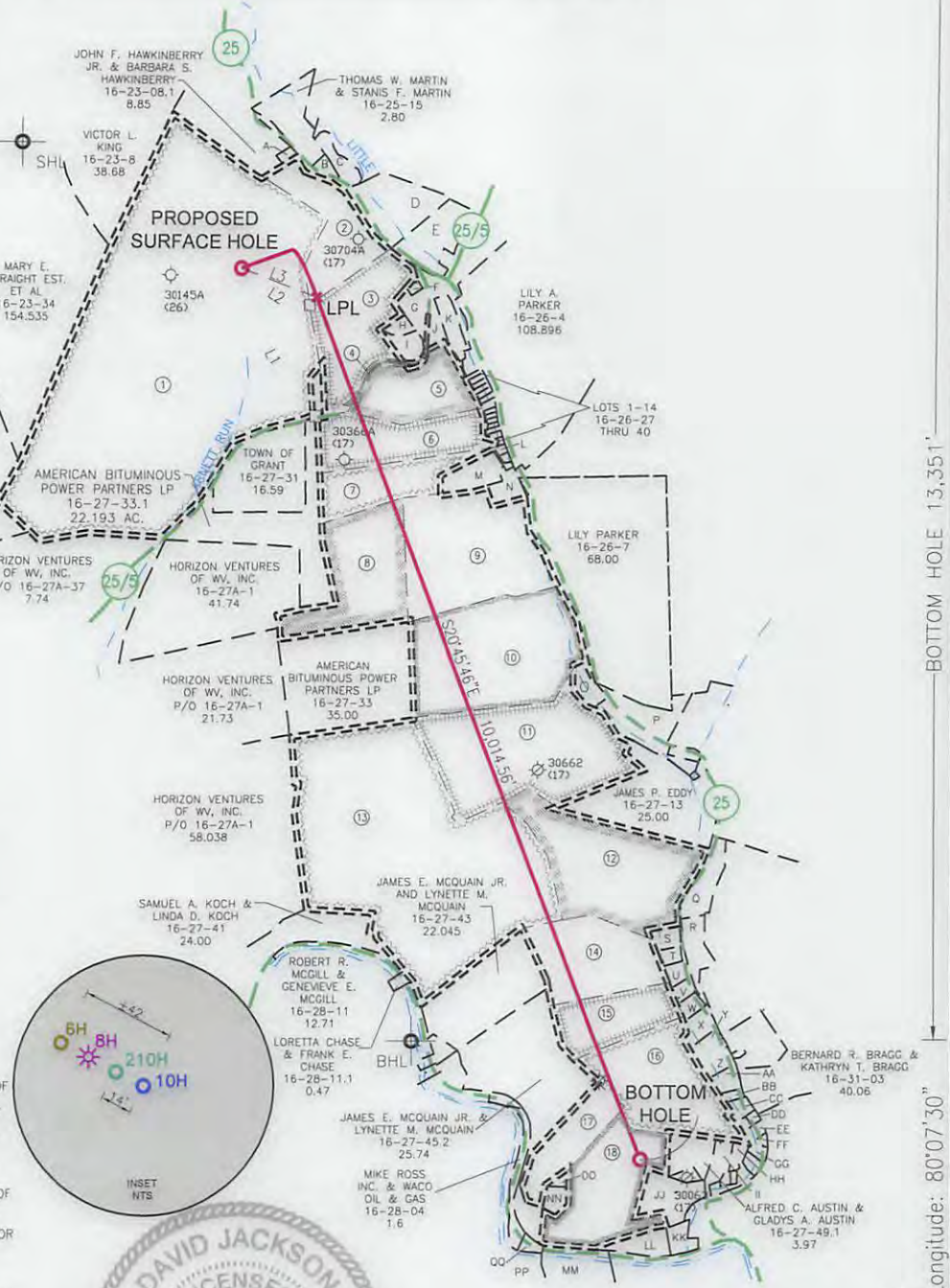
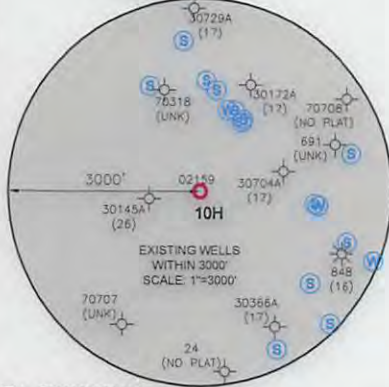
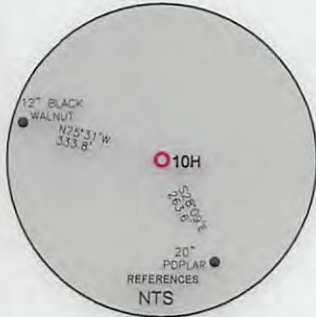
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,380,647.564
EASTING: 572,304.430

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,377,793.356
EASTING: 573,386.515

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

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	S 27°11'42" E	1782.69'	SHL TO LANDMARK	CORNER FP FOUND
L2	S 62°28'17" E	839.09'	SHL TO LANDMARK	CORNER FP FOUND
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 69°47'47" E	875.75'	1170.94'	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.

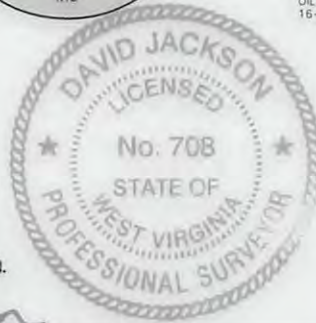
NOTES ON SURVEY

- 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 L. Jackson



2000 0 2000

GRAPHIC SCALE IN FEET

COMPANY:

SWN

SWN

Production Company, LLC 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)

QUALITY RECLAMATION MRN

OPERATOR'S WELL #: 10H

API WELL #: 47 STATE 049 COUNTY PERMIT 02424K6A

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

WATERSHED: ARNETT RUN OF MONONGAHELA RIVER ELEVATION: 1224.5'

DISTRICT: PAW PAW COUNTY: MARION QUADRANGLE: GRANT TOWN, WV

SURFACE OWNER: QUALITY RECLAMATION SERVICES, LLC ACREAGE: ±226.071

OIL & GAS ROYALTY OWNER: JAMES AND DORTHY ICE, MAJORIE A. KOPP ACREAGE: ±226.071

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: 7,825 TVD 18,217 TMD

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

DESIGNATED AGENT: DEE SOUTHALL
ADDRESS: P.O. BOX 1300
CITY: JANE LEW STATE: WV ZIP CODE: 26378

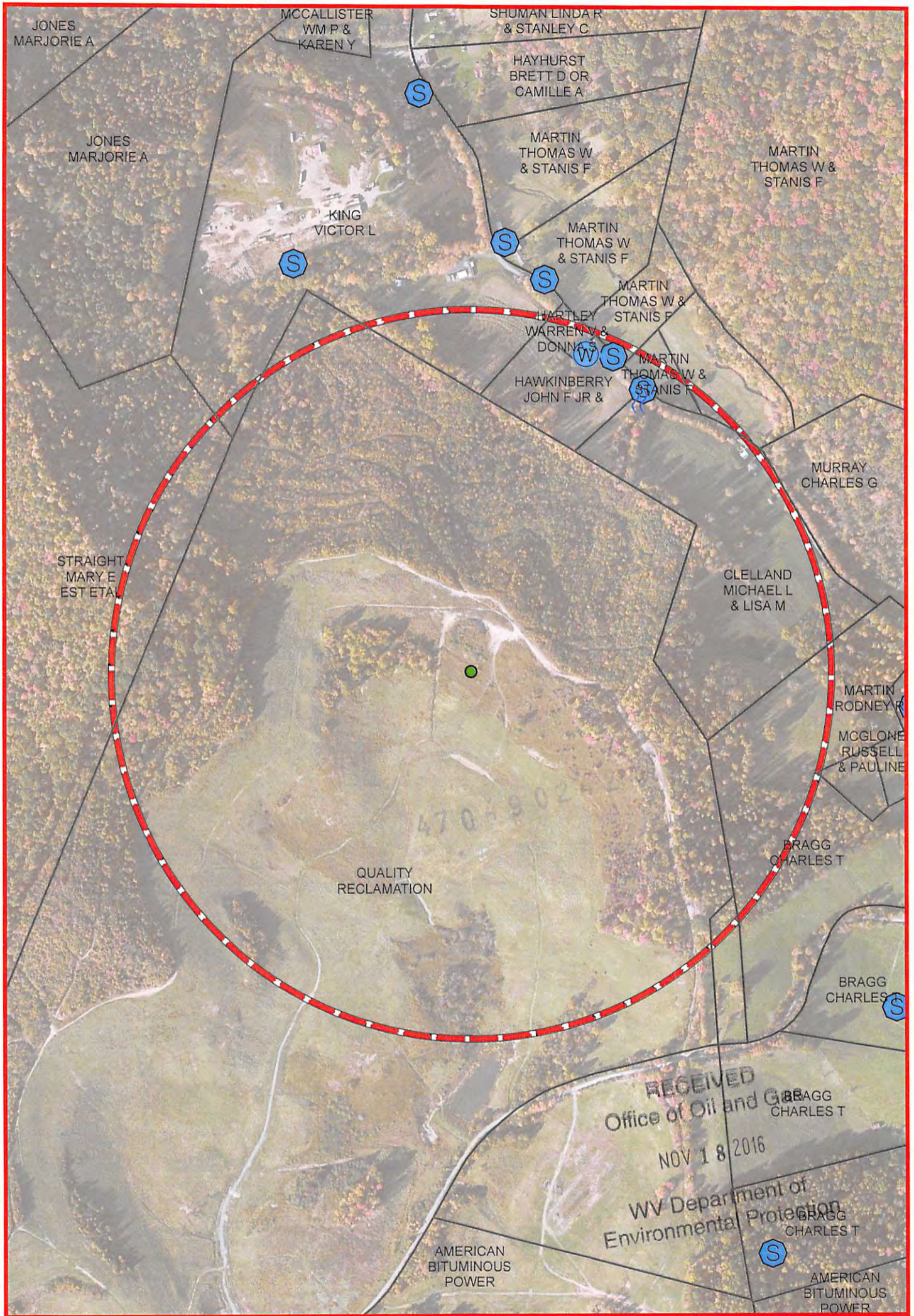
LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ⊙ EXISTING / PRODUCING WELLHEAD
- LPL LANDING POINT LOCATION
- ⊕ EXISTING WATER WELL
- ⊙ EXISTING SPRING
- SURVEYED BOUNDARY
- DRILLING UNIT
- == LEASE BOUNDARY
- PROPOSED PATH

REVISIONS:

NO.	DESCRIPTION	DATE
		11-18-2016

DRAWN BY: N. MANO
SCALE: 1" = 2000'
DRAWING NO:
WELL LOCATION PLAT



The intent of this map is for general reference only. Information on this map was created using the best available data at the time but is not guaranteed accurate.

01/13/2017

Water Purveyor Map			Well Pad: Quality Reclamation MRN Pad	County: MARION
Map by: speart	Date: 9/21/2016		Quality Reclamation MRN Coordinates: 39.573286, -80.161368	
NAD 1983 BLM Zone 17N ftUS				