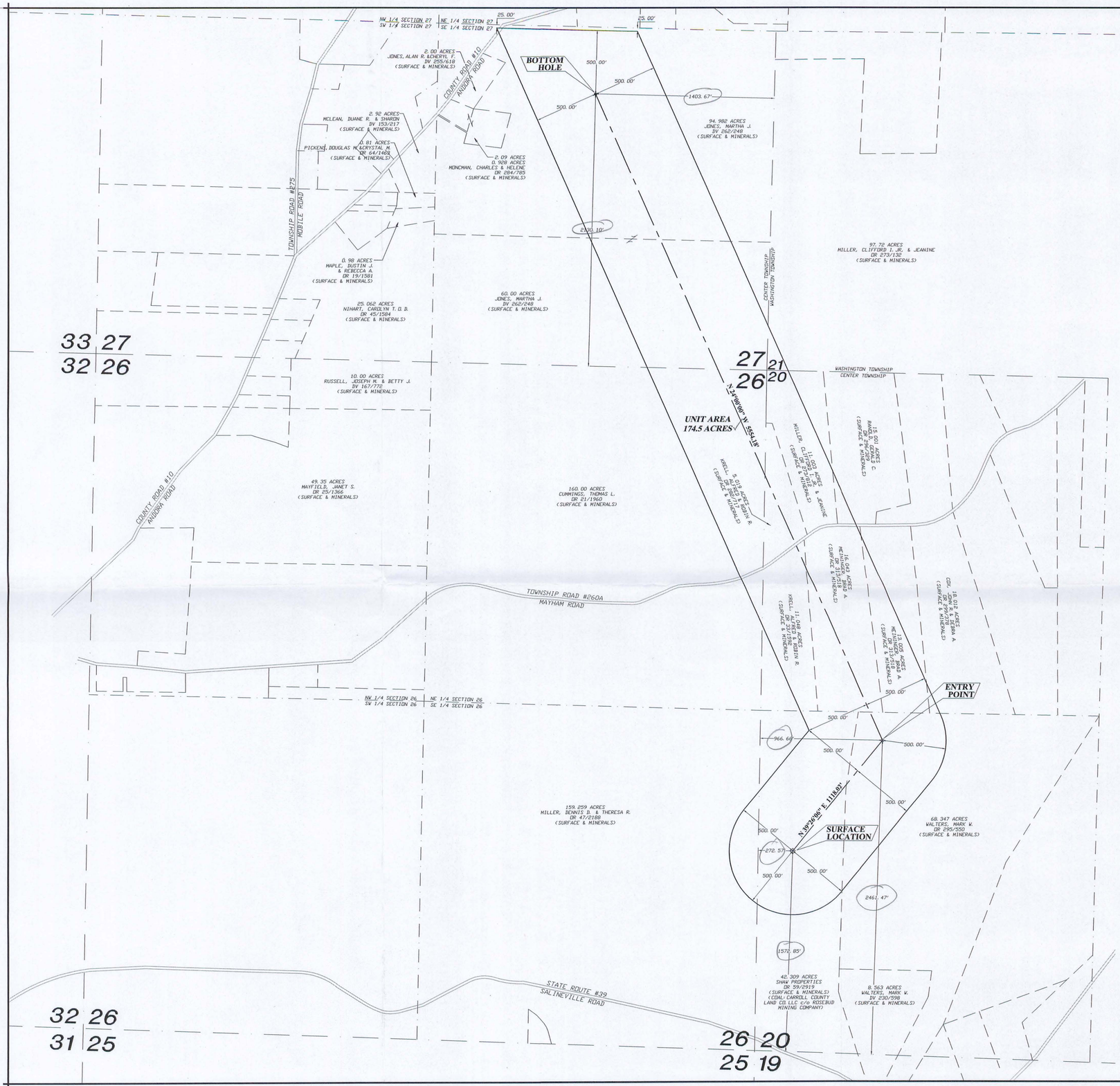

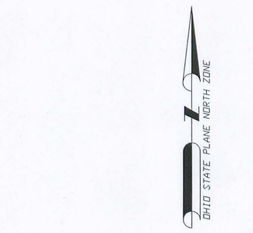

OPERATOR: CHESAPEAKE EXPLORATION LLC.
ADDRESS: P.O. BOX 18496 OKC, OK 73154-0496
LANDOWNER: SURFACE: SHAW PROPERTIES
MINERAL: SHAW PROPERTIES
COAL: CARROLL COUNTY LAND CO. LLC
c/o ROSEBUD MINING COMPANY
LEASE NAME: SHAW 20-14-5
WELL NUMBER: 5H
ELEVATION: 1152.8' (NAVD88)
USGS QUAD: CARROLLTON

SUBDIVISION: CIVIL TOWNSHIP/PLSS
SECTION: 20, 26, 27
TOWN: 14
RANGE: 5
TOWNSHIP: CENTER
COUNTY: CARROLL
STATE: OHIO

SURFACE LOCATION

OHIO STATE PLANE GRID NAD83(2007)
N: 335272.83'
E: 2370479.36'
LATITUDE: 40.577770835°
LONGITUDE: 81.052822982°
OHIO STATE PLANE GRID NAD27
N: 335243.51'
E: 2401939.89'
LATITUDE: 40.577708386°
LONGITUDE: 81.053005016°

ENTRY POINT LOCATION

OHIO STATE PLANE GRID NAD83(2007)
N: 336136.32'
E: 2371189.53'
LATITUDE: 40.580108318°
LONGITUDE: 81.050215079°
OHIO STATE PLANE GRID NAD27
N: 336107.01'
E: 2402650.03'
LATITUDE: 40.580045922°
LONGITUDE: 81.050397281°

BOTTOM HOLE LOCATION

OHIO STATE PLANE GRID NAD83(2007)
N: 341210.33'
E: 2368930.45'
LATITUDE: 40.594136782°
LONGITUDE: 81.058044857°
OHIO STATE PLANE GRID NAD27
N: 341181.03'
E: 2400391.01'
LATITUDE: 40.594074647°
LONGITUDE: 81.058226664°

Surface 1573' SL & 273' WL of SEC 20
Entry Point 2461' SL & 967' WL of SEC 20
Target 2130' SL & 1404' EL of SEC 27
174.5 AC UTCA-EDPW-RT

NOTES:

1. I HEREBY STATE THAT, REFERENCING THE TOP HOLE, ALL DRILLING OR PRODUCING WELLS WITHIN 1000 FEET AND ALL PUBLIC ROADS, RAILROADS, BUILDINGS AND STREAMS WITHIN 200 FEET HAVE BEEN SHOWN, THERE ARE NO DRILLING UNIT LINES NEARER THAN 500 FEET, THAT THIS PLAT IS TRUE AND CORRECT AND WAS PREPARED ACCORDING TO THE CURRENT OHIO DEPARTMENT OF NATURAL RESOURCES, DIVISION OF MINERAL RESOURCES MANAGEMENT (OAC 1501: 9-1).

2. THE DRILLING UNIT BOUNDARY SHOWN IS INTENDED TO COMPLY WITH DIVISION OF MINERAL RESOURCE MANAGEMENT SURVEY PLAT REQUIREMENTS IN ORDER TO IDENTIFY THE SETBACK DISTANCE. THE UNIT BOUNDARY SHOWN IS NOT INTENDED TO INDICATE A UNIT FOR PRODUCTION PURPOSES.

3. MINERAL RIGHTS FOR PROPERTIES THAT ARE CONTAINED WITHIN THE SETBACK DISTANCE BOUNDARIES ARE ASSUMED TO BE HELD IN FEE SIMPLE IN ORDER TO SATISFY DIVISION OF MINERAL RESOURCE MANAGEMENT REQUIREMENTS FOR THE WELL PERMIT APPLICATION AND SURVEY PLAT.

P# 34-019-2-2081-01-00

PROJECT INFORMATION	REVISIONS:
DRAWN BY: WS,RC	1. EP & BHL COORDINATES REVISED
CHECKED BY: WS,TW	2. LEASE NAME
PROJECT NUMBER: 11134	3.
DATE: 05/13/2011	4.

STATE OF OHIO
WILLIAM R. SHERWALTER
8376
REGISTERED
PROFESSIONAL SURVEYOR

BHG- SURVEYING
1500 GRAND CENTRAL AVE, STE 112, VIENNA, WV 26105
PHONE (304) 485-8554 - FAX (304) 834-3041

SHAW 20-14-5 5H WELL SURVEY PLAT

PREPARED FOR:
STATE OF OHIO, DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINERAL RESOURCE MANAGEMENT
COLUMBUS, OHIO