west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

PERMIT MODIFICATION APPROVAL

January 15, 2015

NORTHEAST NATURAL ENERGY LLC
707 VIRGINIA STREET EAST, SUITE 1200
CHARLESTON, WV 25301

Re: Permit Modification Approval for API Number 6101684 , Well #: COASTAL 3H
Adjusted Horizontal

Oil and Gas Operator:

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

Please call James Martin at 304-926-0499, extension 1654 if you have any questions.

Sincerely,

for

Gene Smith
Assistant Chief of Permitting
Office of Oil and Gas

4709101684 MOD

northeast
NATURAL ENERGY

January 14, 2015

WV Department of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304

Re: Coastal 3H Modification Request
API # 47-6101684

Dear Permit Reviewer,

Northeast Natural Energy LLC ("NNE") would like to request a modification to its existing Coastal 3H permit identified by the API no. 47-06101684. NNE has adjusted the horizontal well bore to allow for more efficient development of the natural gas surrounding its Coastal Well Pad. Enclosed with this request is an updated Mylar Plat, Well Bore Schematic and WW-6A1 form and attachment.

Should you have any questions please contact me at 304.241.5752 Ext. 7108 or by email at hmedley@nne-llc.com.

Sincerely,

Hollie M. Medley
Regulatory Coordinator

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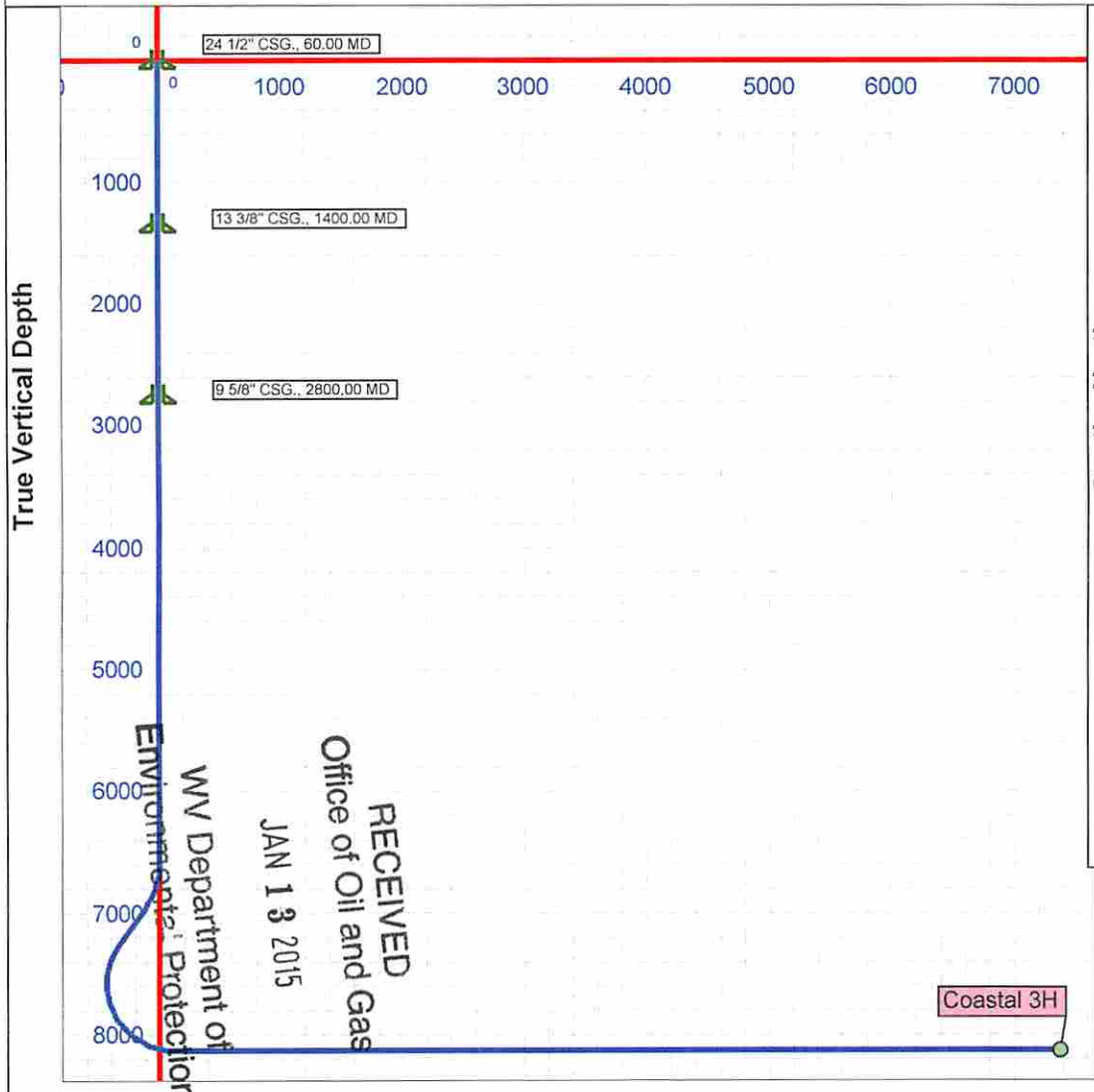
Office of Oil and Gas

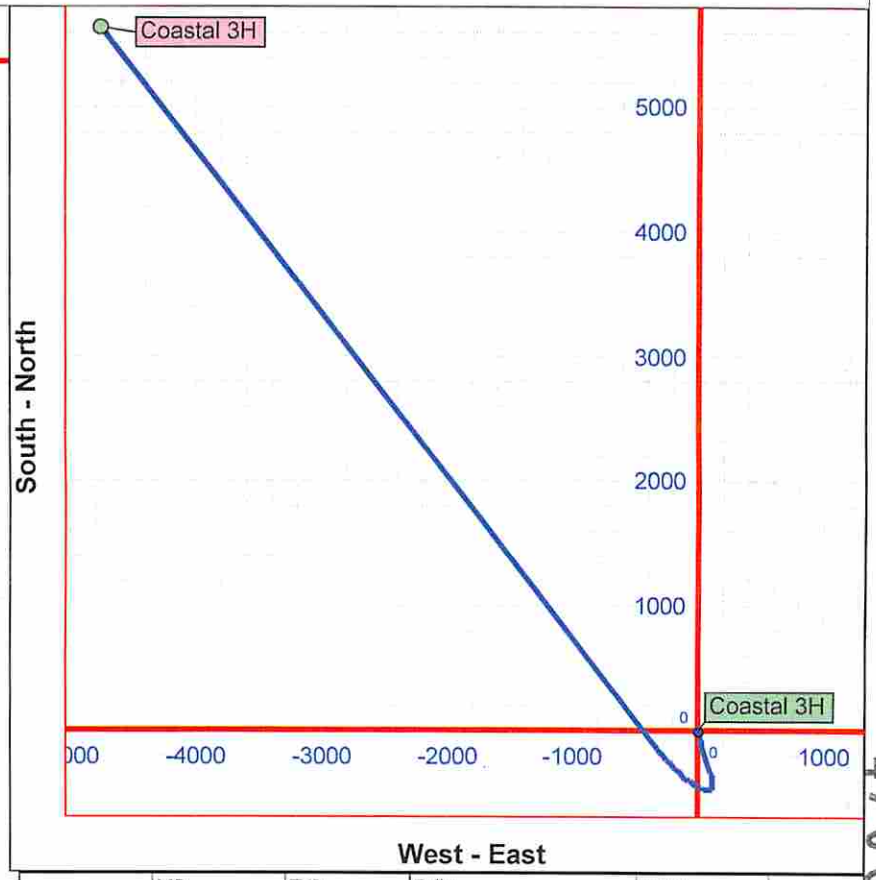
JAN 15 2015

WV Department of
Environmental Protection

Job Number: 2
Company: Northeast Natural Energy
Lease/Well: Coastal 3H
Location: Coastal
Rig Name: Pioneer 63
State/County: WV/ Mon
Country: US
API Number:

Elevation (To MSL): 1420.00 ft
RKB: 18.00 ft
Projection System: US State Plane 1983
Projection Group: West Virginia Northern Zone
Projection Datum: GRS80
Magnetic Declination: -8.90
Grid Convergence: -0.44926 W
Date: Monday, January 12, 2015





	MD	TVD		
			Tully	7,864
KOP	6,600	6,600	Hamilton	7,914
LP	8,612	8,129	Upper Marcellus	8,034
TD	15,847	8,129	Lower Marcellus	8,084
			Onondaga	8,139

Vertical Section (1000 Ft/Div) VSP: 322.55°

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Performance Drilling Technology, Inc. - HawkEye™ ©2014

4706101684 MOD

SURFACE HOLE DEC. LONG: 80.204640
SURVEYED LONG: 80° 12' 16.7"

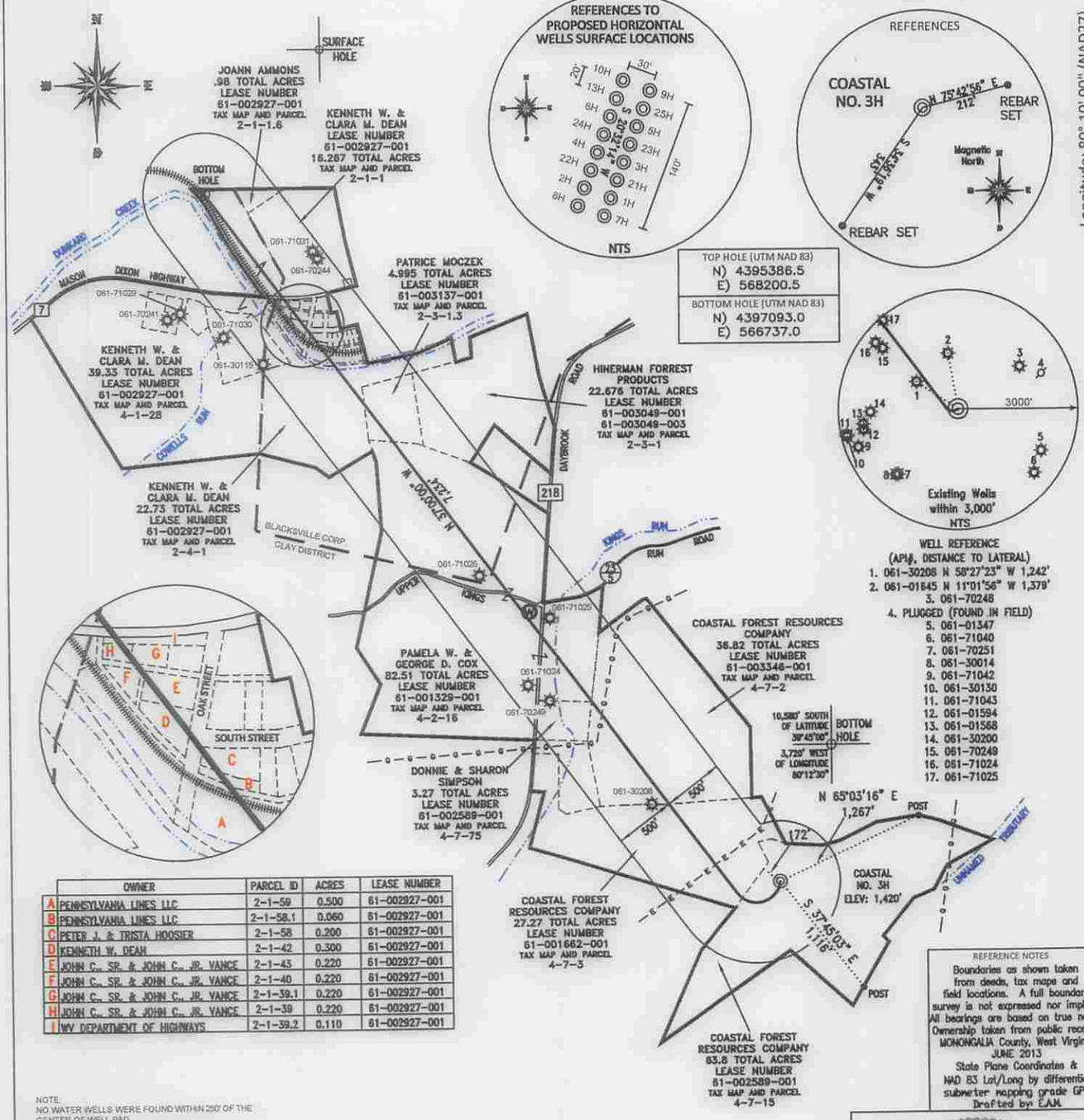
10,700'

Latitude: 39° 42' 30" (NAD27)

1,020'

Longitude: 80° 10' 00" (NAD27)

SURFACE HOLE DEC. LAT: 39.705534
SURVEYED LAT: 39° 42' 19.9"



	OWNER	PARCEL ID	ACRES	LEASE NUMBER
A	PENNSYLVANIA LINES LLC	2-1-59	0.500	61-002927-001
B	PENNSYLVANIA LINES LLC	2-1-58.1	0.060	61-002927-001
C	PETER J. & TRISTA HOOSIER	2-1-58	0.200	61-002927-001
D	KENNETH W. DEAN	2-1-42	0.300	61-002927-001
E	JOHN C., SR. & JOHN C., JR. VANCE	2-1-43	0.220	61-002927-001
F	JOHN C., SR. & JOHN C., JR. VANCE	2-1-40	0.220	61-002927-001
G	JOHN C., SR. & JOHN C., JR. VANCE	2-1-39.1	0.220	61-002927-001
H	JOHN C., SR. & JOHN C., JR. VANCE	2-1-39	0.220	61-002927-001
I	WV DEPARTMENT OF HIGHWAYS	2-1-39.2	0.110	61-002927-001

NOTE:
NO WATER WELLS WERE FOUND WITHIN 250' OF THE CENTER OF WELL PAD.
NO DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF WELL PAD.

REFERENCE NOTES
Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not expressed nor implied. All bearings are based on true north. Ownership taken from public records MONONGALIA County, West Virginia JUNE 2013
State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS
Drafted by: EAM

FILE #: NNE12
DRAWING #: 2319
SCALE: PLAT: 1" = 1200' TICK: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

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 THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed:

L.L.S. #2124 : Ernest J. Benchek III

ERNEST J. BENCHEK III
LICENSED
No. 2124
STATE OF WEST VIRGINIA
PROFESSIONAL SURVEYOR

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304

DATE: JANUARY 12, 2015

OPERATOR'S WELL #: COASTAL NO. 3H MOD

API WELL #: 47 (STATE) 61 (COUNTY) 01684H6A (PERMIT)

Well Type: ☐ Oil ☐ Waste Diposal ☐ Production ☐ Deep
☒ Gas ☐ Liquid Injection ☐ Storage ☒ Shallow

WATERSHED: DUNKARD CREEK
ELEVATION: 1,420'
COUNTY/DISTRICT: MONONGALIA / CLAY
QUADRANGLE: BLACKSVILLE
SURFACE OWNER: COASTAL FOREST RESOURCES COMPANY
ACREAGE: 63.8 +/-
OIL & GAS ROYALTY OWNER: WACO OIL AND GAS, ET AL
ACREAGE: 295.152 +/-
LEASE NUMBERS:

DRILL ☒ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☒
PLUG OFF FORMATION ☐ PERFORATE NEW FORMATION ☐ PLUG & ABANDON ☐
CLEAN OUT & REPLUG ☐ OTHER CHANGE ☐ (SPECIFY):

TARGET FORMATION: MARCELLUS
ESTIMATED DEPTH: TVD: 8,129' TMD: 15,847'
WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC
DESIGNATED AGENT: JOHN ADAMS
ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
CITY: CHARLESTON STATE: WV ZIP CODE: 25301
CITY: CHARLESTON STATE: WV ZIP CODE: 25301

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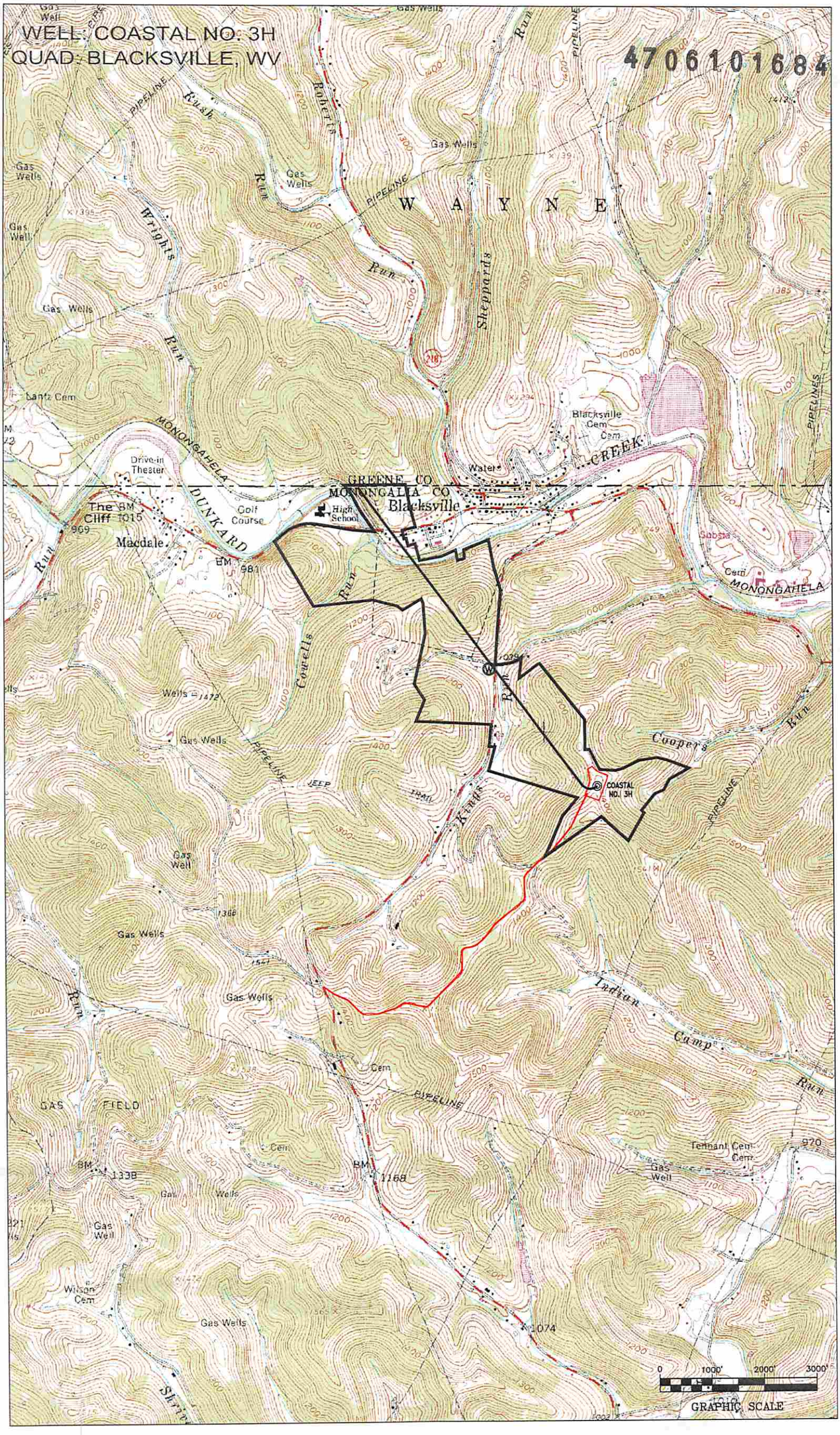
Office of Oil & Gas
JAN 13 2015
WV Department of Environmental Protection

WELL: COASTAL NO. 3H
QUAD: BLACKSVILLE, WV

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