



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 26, 2015

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

Re: Permit Modification Approval for API Number 6101675 , Well #: COASTAL 7H

Adjust lateral direction

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,

Gene Smith
Assistant Chief of Permitting
Office of Oil and Gas



47 06 10 16 75 *msd*

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 7H Modification Request
API # 47-6101675

Dear Permit Reviewer,

Northeast Natural Energy LLC ("NNE") would like to request a modification to its existing Coastal 7H permit identified by the API no. 47-06101675. 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,

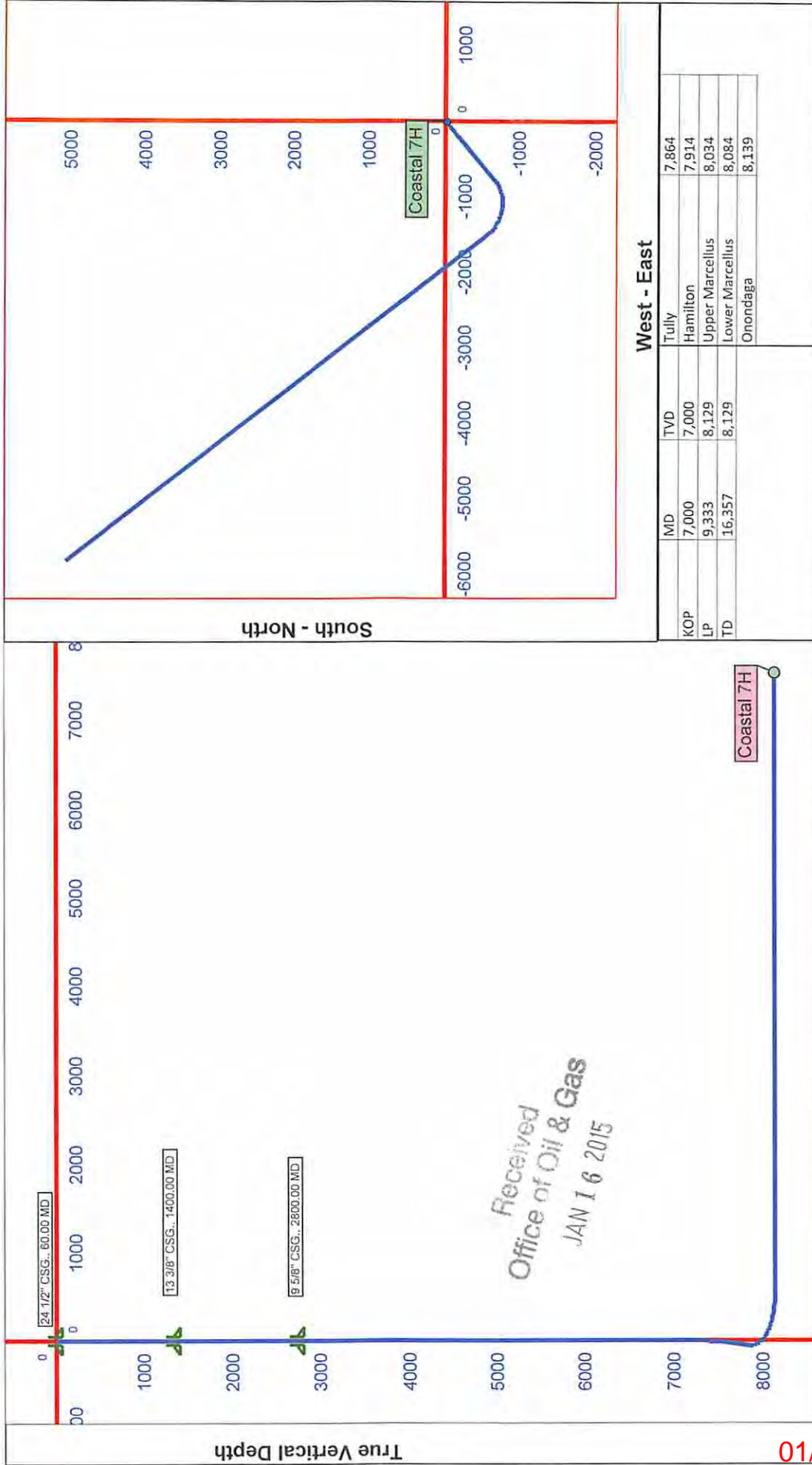

Hollie M. Medley
Regulatory Coordinator

Received
Office of Oil & Gas
JAN 16 2015

Job Number:
 Company: Northeast Natural Energy
 Lease/Well: Coastal 7H
 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: -8.88
 Grid Convergence: -0.44931 W
 Date: Friday, December 05, 2014



Received
 Office of Oil & Gas
 JAN 16 2015

West - East

	MD	TVD	
KOP	7,000	7,000	Tully
LP	9,333	8,129	Hamilton
TD	16,357	8,129	Upper Marcellus
			Lower Marcellus
			Onondaga
			7,864
			7,914
			8,034
			8,084
			8,139

Vertical Section (1000 Ft/Div) VSP: 323.00°

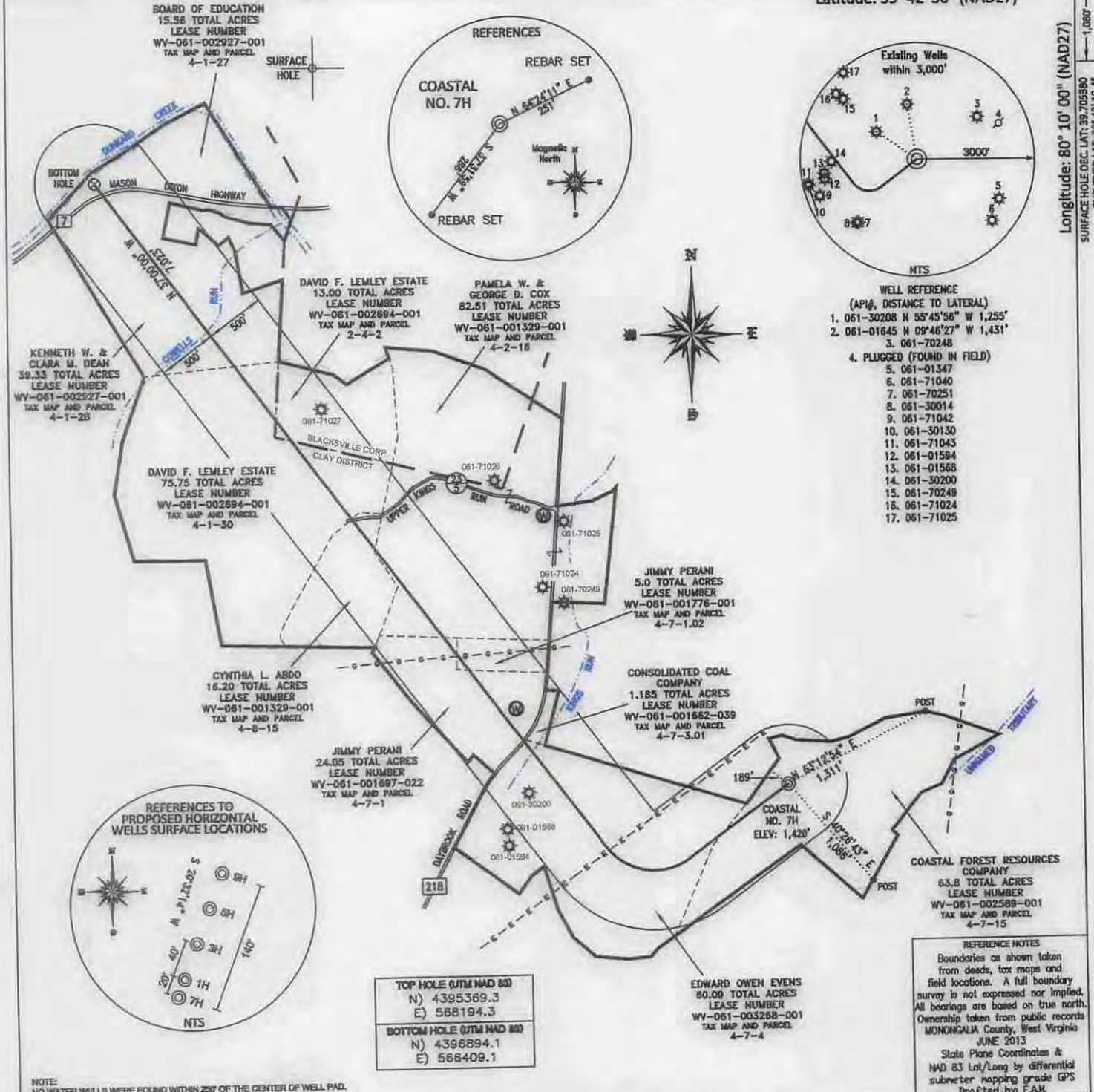
Performance Drilling Technology, Inc. - HawkEye™ ©2014

SURFACE HOLE DEC. LONG: 80.204713
SURVEYED LONG: 80° 12' 16.97"

10.720'

Latitude: 39° 42' 30" (NAD27)

Longitude: 80° 10' 00" (NAD27)
SURFACE HOLE DEC. LAT: 39° 42' 19.4"
SURVEYED LAT: 39° 42' 19.4"



NOTE:
NO WATER WELLS WERE FOUND WITHIN 250' OF THE CENTER OF WELL PAD.
NO DWELLINGS WERE FOUND WITHIN 820' OF THE CENTER OF WELL PAD.

TOP HOLE (UTM NAD 83)
N) 4395369.3
E) 568194.3
BOTTOM HOLE (UTM NAD 83)
N) 4396894.1
E) 566409.1

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 #: 2347
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: *[Signature]*
L.I.S. #2124 : Ernest J. Benchek III



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304

DATE: DECEMBER 5, 2014
OPERATOR'S WELL #: COASTAL NO. 7H
API WELL #: 47 61 01675 MOD
STATE COUNTY PERMIT

Well Type: Oil Waste Dipsal 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: 396.475 **01/30/2015**
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: 16,357'
WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC DESIGNATED AGENT: JOHN ADAMS
ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
CITY: CHARLESTON STATE: WV ZIP CODE: 25301