

FILE NUMBER W0110309

DRAWING NUMBER LACKAWANNA_WP_1H

SCALE 1" = 1000'

MINIMUM DEGREE OF ACCURACY 1/200

PROVEN SOURCE SUBMETER MAPPING
OF ELEVATION 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

P.S. Jonathan N. White
2122



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

DATE: JANUARY 27, 2014

OPERATORS WELL NO. LACKAWANNA NO. 1H
API WELL NO. 47-103-102982 H10

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION ELEVATION 1302' WATERSHED (HUC 10) OUTLET MIDDLE ISLAND CREEK (UNDEFINED)

DISTRICT MAGNOLIA COUNTY WETZEL

QUADRANGLE PORTERS FALLS 7.5' LEASE NUMBER WV140-0017-002, WV140-0006-001, WV140-0012-000

SURFACE OWNER M.B. INVESTMENTS ACREAGE 88.09

OIL & GAS ROYALTY OWNER M.B. INVESTMENTS, ET AL LEASE ACREAGE 503.85

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY) _____

TARGET FORMATION MARCELLUS PLUG & ABANDON CLEAN OUT & REPLUG

WELL OPERATOR GASTAR EXPLORATION USA, INC. ESTIMATED DEPTH 6850' + Horizontal Leg

DESIGNATED AGENT MICHAEL McCOWN

ADDRESS 229 W MAIN STREET, SUITE 301 CLARKSBURG WV, 26301 ADDRESS 229 W MAIN STREET, SUITE 301 CLARKSBURG WV, 26301

NOTE: FORM WW-6RW (WELL LOCATION RESTRICTION WAIVER) SHOULD BE OBTAINED FROM THE SURFACE OWNER FOR THE TWO WATER WELLS ON WELL PAD.

NOTE: BORE PATH BASED ON GRID NORTH.

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,384,061.4
E) 512,302.1
UTM. NAD83, ZONE 17
IN FEET
N) 14,383,375
E) 1,680,778

TARGET POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,384,283.2
E) 512,398.8
UTM. NAD83, ZONE 17
IN FEET
N) 14,384,102
E) 1,681,095

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,386,148.0
E) 511,531.0
UTM. NAD83, ZONE 17
IN FEET
N) 14,390,221
E) 1,678,248

LEGEND

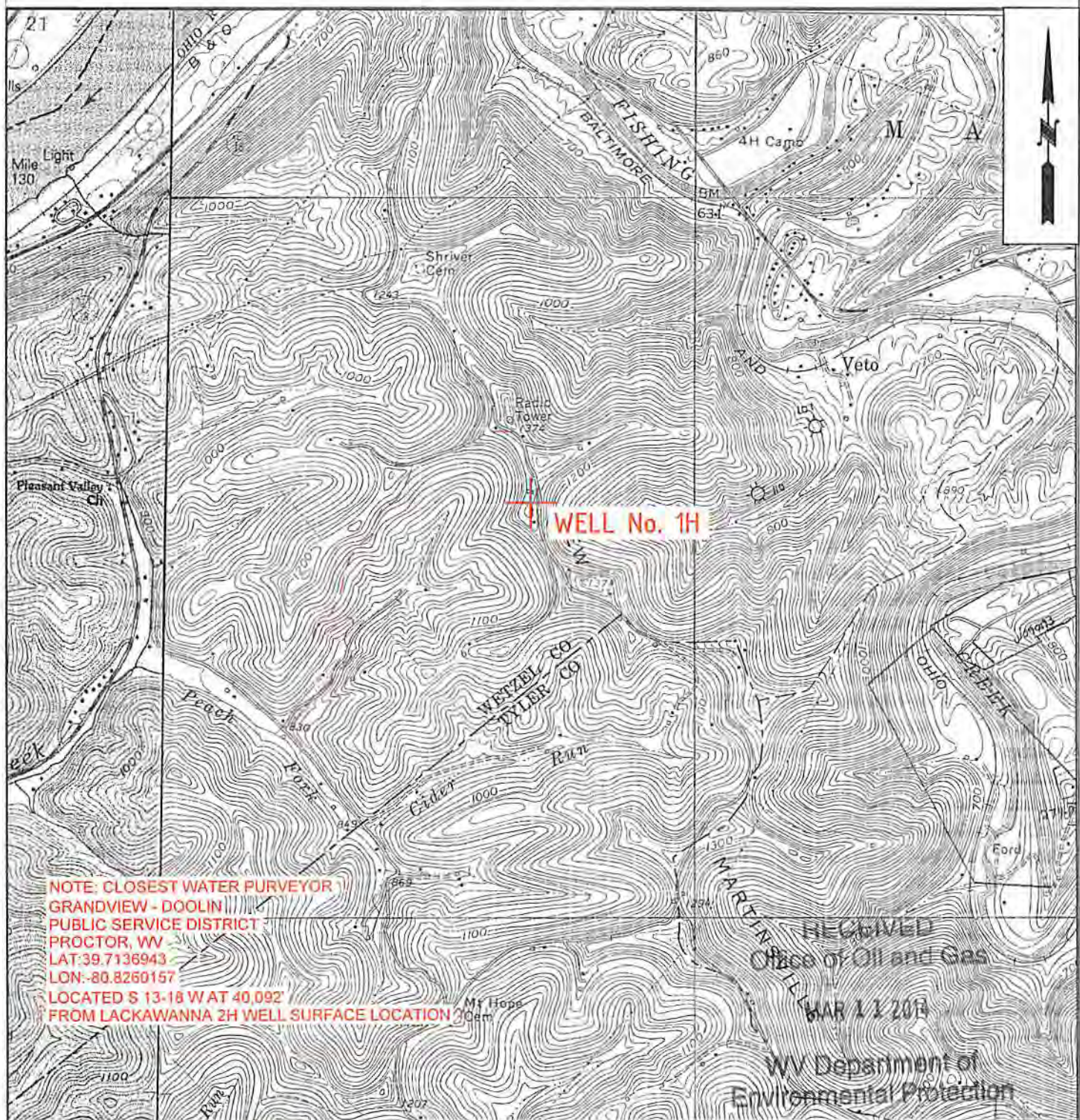
- LEASED TRACTS
- INTERIOR MINERAL TRACTS
- SURFACE TRACTS
- HARD LEASE LINE

WW-9

PROPOSED LACKAWANNA WELL No. 1H

4710302982

SUPPLEMENT PG 2



NOTE: CLOSEST WATER PURVEYOR
 GRANDVIEW - DOOLIN
 PUBLIC SERVICE DISTRICT
 PROCTOR, WV
 LAT: 39.7136943
 LON: -80.8260157
 LOCATED S 13-18 W AT 40.092
 FROM LACKAWANNA 2H WELL SURFACE LOCATION

RECEIVED
 Office of Oil and Gas

MAR 11 2014

WV Department of
 Environmental Protection

DmH
 2-2014

W0110309

OPERATOR	TOPO SECTION	LEASE NAME
GASTAR EXPLORATION USA, Inc. 229 W Main Street, Suite 301 Clarksburg, WV 26301	PORTERS FALLS 7.5'	LACKAWANNA
	SCALE:	DATE:
	1"=2000'	DATE: 01/27/14