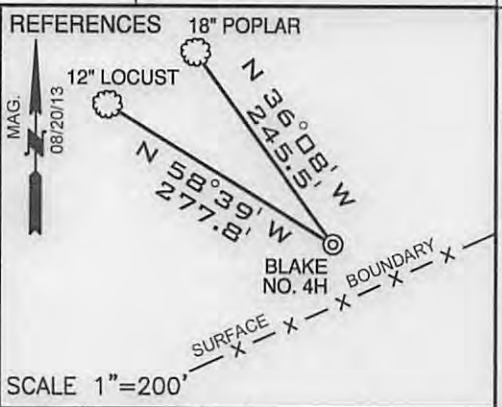


NOTES

OWNERSHIP TAKEN FROM PUBLIC RECORDS OF MARSHALL COUNTY, WV IN AUGUST, 2013.

COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS. WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.

No water wells within 250' of well were found, no dwellings within 625' of pad center were found.



NOTE: BORE PATH BASED ON GRID NORTH.

SURFACE HOLE	TARGET POINT 1	BOTTOM HOLE
UTM. NAD83, ZONE 17 IN METERS	UTM. NAD83, ZONE 17 IN METERS	UTM. NAD83, ZONE 17 IN METERS
N) 4,401,609.6	N) 4,401,367.4	N) 4,402,101.9
E) 516,706.8	E) 516,853.9	E) 515,027.8
UTM. NAD83, ZONE 17 IN FEET	UTM. NAD83, ZONE 17 IN FEET	UTM. NAD83, ZONE 17 IN FEET
N) 14,440,948	N) 14,440,153	N) 14,442,563
E) 1,695,229	E) 1,695,711	E) 1,689,720

FILE NUMBER W0120321 (WB1-70)

DRAWING NUMBER BLAKE_WP_4H

SCALE 1" = 1000'

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

P.S. Jonathan N. White
2122



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

DATE: AUGUST 23, 2013

OPERATORS WELL NO. BLAKE NO. 4H
API WELL NO. 47-051-01699H6A

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

LOCATION ELEVATION 1326' WATERSHED (HUC 10) FRENCH CREEK - OHIO RIVER (UNDEFINED)

DISTRICT FRANKLIN COUNTY MARSHALL
QUADRANGLE POWHATAN POINT 7.5' LEASE NUMBER WV16-0022-001, WV16-0092-001, WV16-0011-001, WV16-0135-000, WV16-0068-000, WV16-0006-000

SURFACE OWNER WIBERT H. BUNGARD, ET UX ACREAGE 114.0

OIL & GAS ROYALTY OWNER RUSSELL BLAKE, ET AL LEASE ACREAGE 502.33
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
ESTIMATED DEPTH 6518' + Horizontal Leg

WELL OPERATOR GASTAR EXPLORATION USA, INC. DESIGNATED AGENT MICHAEL McCOWN
ADDRESS 229 W MAIN STREET, SUITE 301 ADDRESS 229 W MAIN STREET, SUITE 301
CLARKSBURG WV, 26301 CLARKSBURG WV, 26301

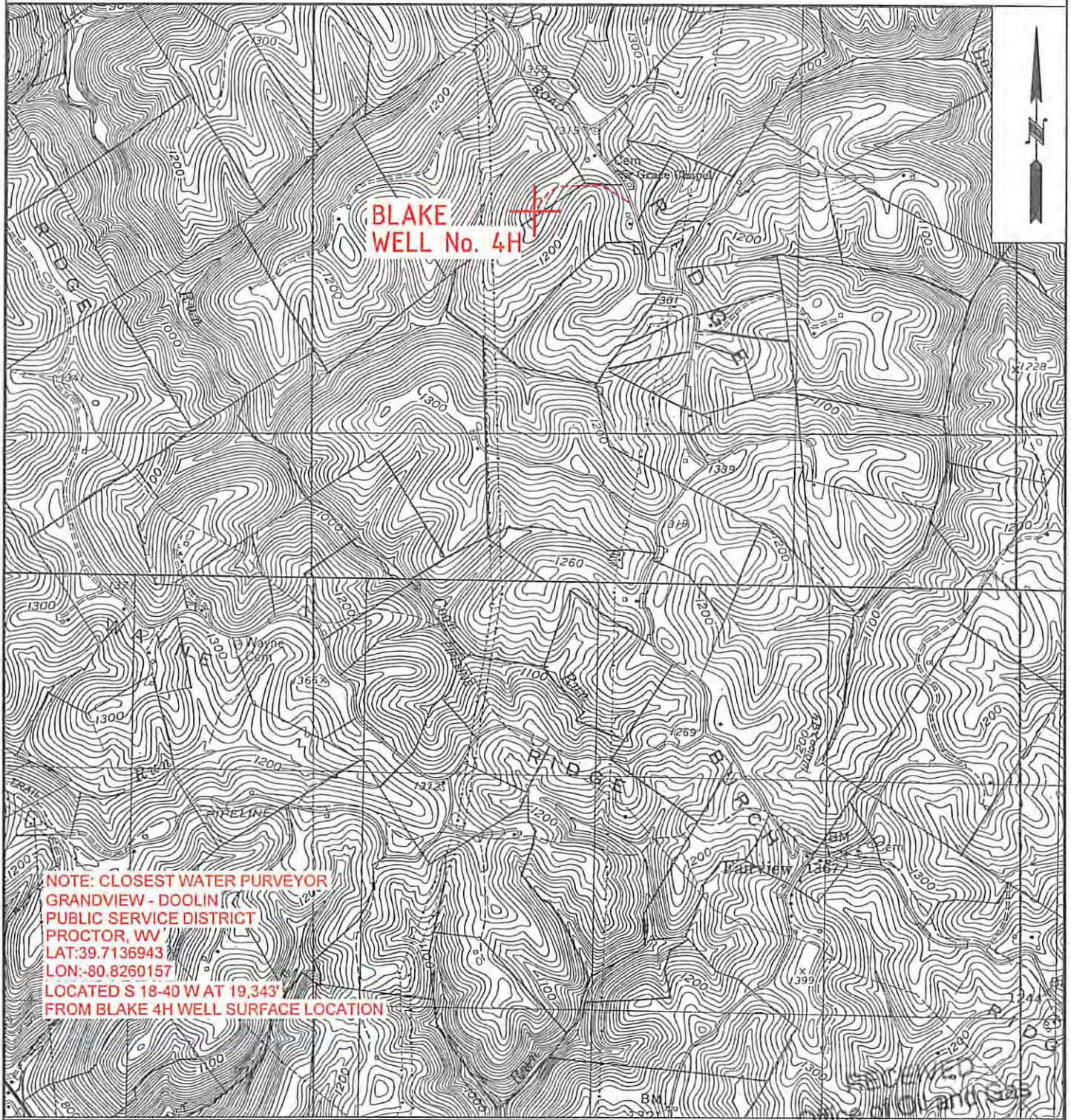
01/17/2014

COUNTY NAME
PERMIT

WW-9

PROPOSED BLAKE WELL No. 4H

SUPPLEMENT PG 2



	OPERATOR	TOPO SECTION	LEASE NAME
	GASTAR EXPLORATION USA, Inc. 229 W Main Street, Suite 301 Clarksburg, WV 26301	POWhatan POINT 7.5'	BLAKE
WO120321		SCALE:	DATE:
		1"=2000'	09/17/13

WV Department of
Environmental Protection