

form ww6

6,410'

8,425'

LONGITUDE 80° 47' 30"

SURFACE HOLE
 UTM. NAD83, ZONE 17
 IN METERS
N) 4,397,466.2
E) 515,919.7
 UTM. NAD83, ZONE 17
 IN FEET
N) 14,427,354
E) 1,692,647

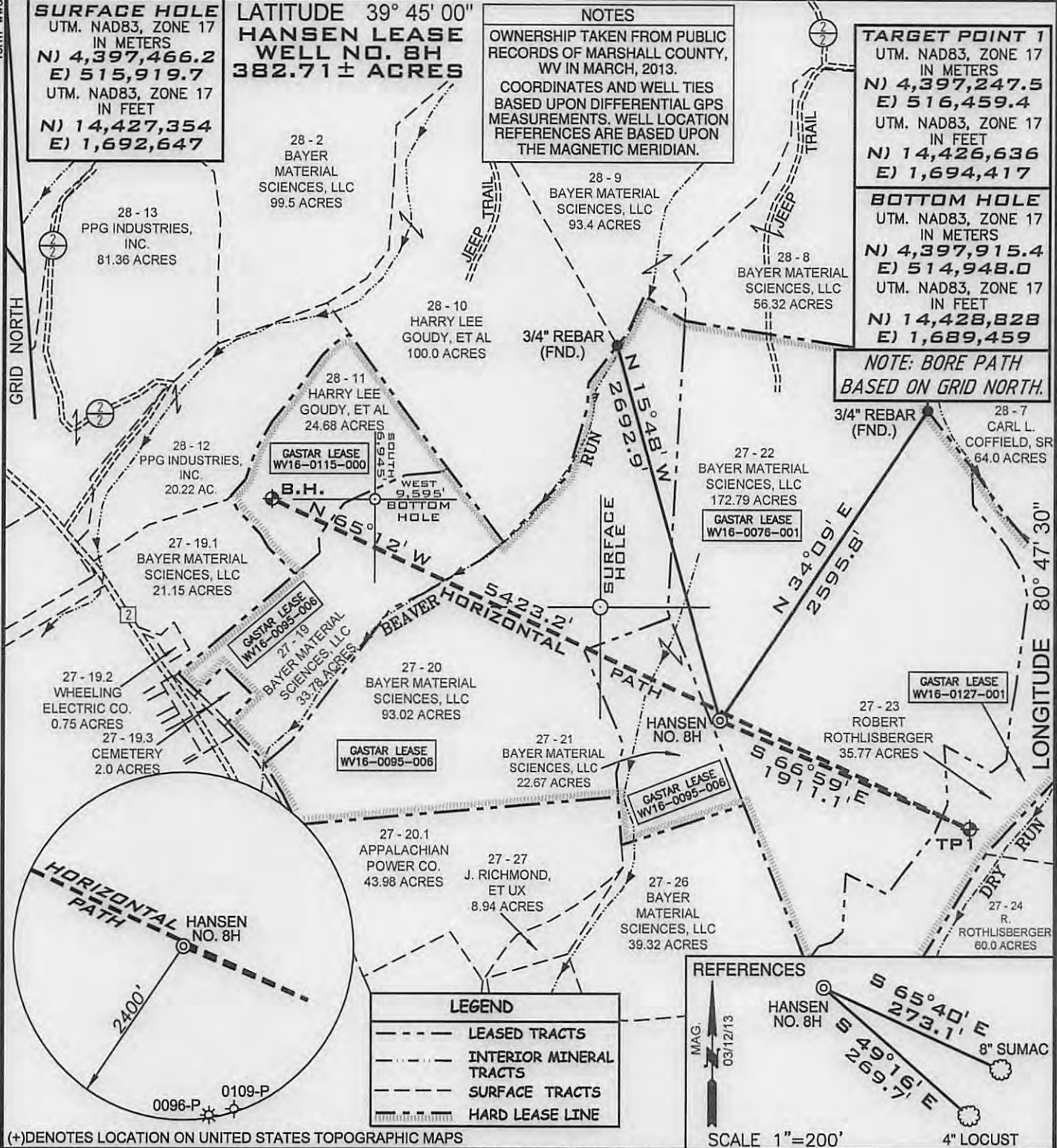
LATITUDE 39° 45' 00"
HANSEN LEASE
WELL NO. 8H
382.71 ± ACRES

NOTES
 OWNERSHIP TAKEN FROM PUBLIC RECORDS OF MARSHALL COUNTY, WV IN MARCH, 2013.
 COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS. WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.

TARGET POINT 1
 UTM. NAD83, ZONE 17
 IN METERS
N) 4,397,247.5
E) 516,459.4
 UTM. NAD83, ZONE 17
 IN FEET
N) 14,426,636
E) 1,694,417

BOTTOM HOLE
 UTM. NAD83, ZONE 17
 IN METERS
N) 4,397,915.4
E) 514,948.0
 UTM. NAD83, ZONE 17
 IN FEET
N) 14,428,828
E) 1,689,459

NOTE: BORE PATH BASED ON GRID NORTH.

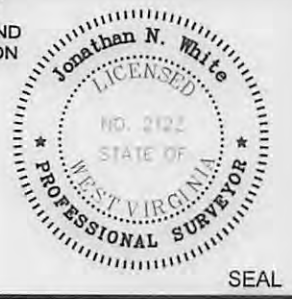


(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

FILE NUMBER W0120318 (WB1-62)
 DRAWING NUMBER HANSEN_WP_8H
 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: APRIL 08, 2013

OPERATORS WELL NO. HANSEN NO. 8H

API WELL NO. 47-051-1651 HGA
 STATE COUNTY PERMIT

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

LOCATION ELEVATION 1245' WATERSHED (HUC 10) FRENCH CREEK - OHIO RIVER (0503020110)
 DISTRICT FRANKLIN COUNTY MARSHALL
 QUADRANGLE NEW MARTINSVILLE 7.5' LEASE NUMBER WV16-0076-001, WV16-0095-006, WV16-0127-001, WV16-0115-000

SURFACE OWNER BAYER MATERIAL SCIENCES, LLC ACREAGE 172.79

OIL & GAS ROYALTY OWNER BAYER MATERIAL SCIENCES, LLC, et al LEASE ACREAGE 382.71
 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 6455' + 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

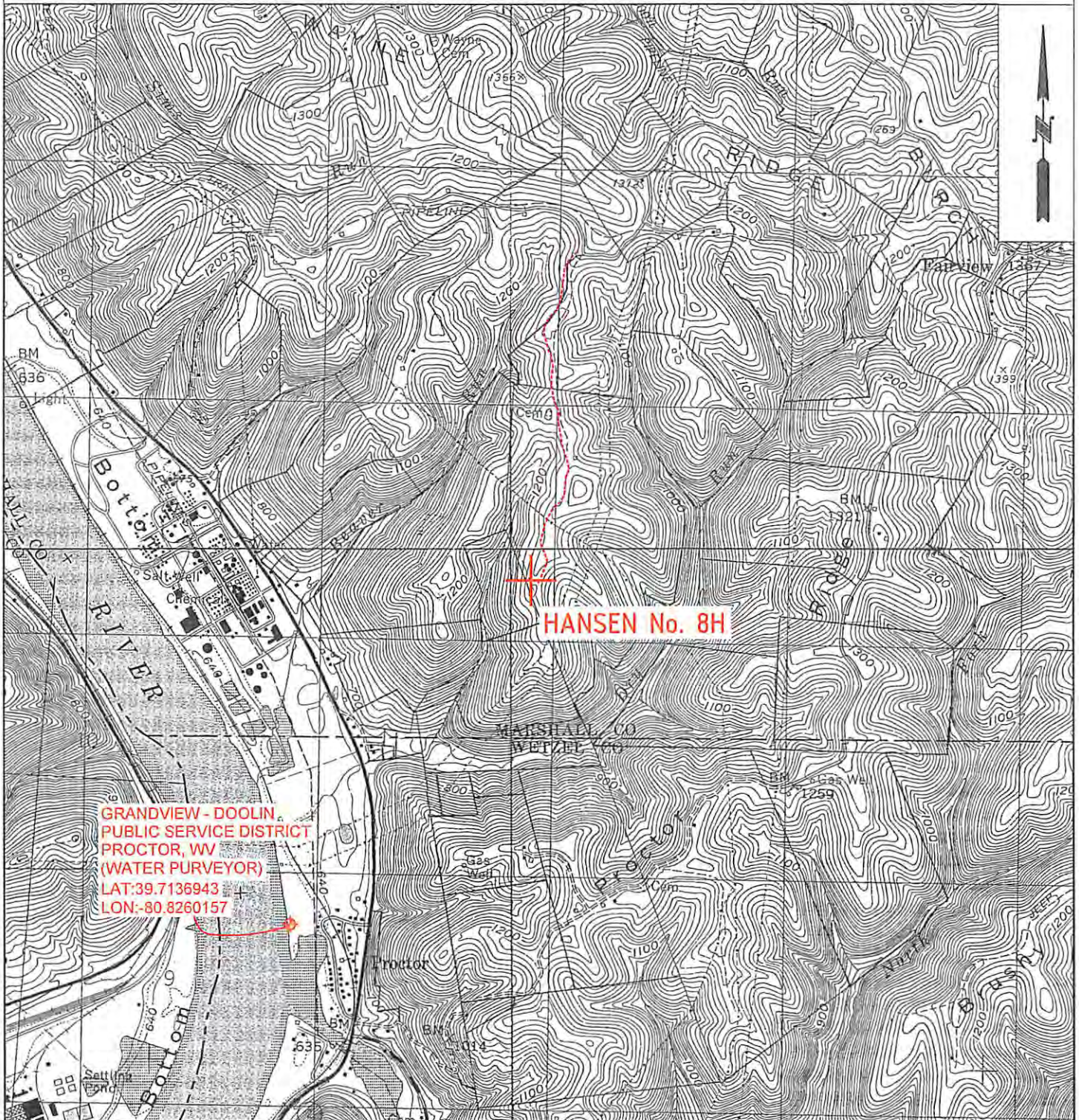
08/02/2013

COUNTY NAME PERMIT

WW-9

PROPOSED HANSEN WELL No. 8H

SUPPLEMENT PG 2



GRANDVIEW - DOOLIN
PUBLIC SERVICE DISTRICT
PROCTOR, WV
(WATER PURVEYOR)
LAT:39.7136943
LON:-80.8260157

WRN
5-7-13

	OPERATOR	TOPO SECTION	LEASE NAME
	GASTAR EXPLORATION USA, Inc. 229 W Main Street, Suite 301	NEW MARTINSVILLE 7.5'	HANSEN
		SCALE:	DATE:
W0120318	Clarksburg, WV 26301	1"=2000'	DATE: 03/25/13