

REFERENCES

MAG. 03/12/13

N 85°51' E 291.3' 8" SUMAC

HANSEN NO. 1H S 80°14' E 249.7' 4" LOCUST

SCALE 1"=200'

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.

LEGEND

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

SURFACE HOLE

UTM. NAD83, ZONE 17
IN METERS
N) 4,397,423.9
E) 515,913.9

UTM. NAD83, ZONE 17
IN FEET
N) 14,427,215
E) 1,692,628

TARGET POINT 1

UTM. NAD83, ZONE 17
IN METERS
N) 4,397,020.9
E) 516,154.4

UTM. NAD83, ZONE 17
IN FEET
N) 14,425,893
E) 1,693,416

BOTTOM HOLE

UTM. NAD83, ZONE 17
IN METERS
N) 4,395,456.6
E) 516,808.2

UTM. NAD83, ZONE 17
IN FEET
N) 14,420,761
E) 1,695,562

NOTE: BORE PATH BASED ON GRID NORTH.

FILE NUMBER W0120318 (WB1-62)

DRAWING NUMBER HANSEN_WP_1H

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. 2122 *Jonathan N. White*



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

DATE: APRIL 08, 2013

OPERATORS WELL NO. HANSEN NO. 1H

API WELL NO. 47-051-01645 H6A

STATE COUNTY PERMIT

LOCATION ELEVATION 1245' WATERSHED (HUC 10) FRENCH CREEK - OHIO RIVER (0503020110)

DISTRICT FRANKLIN COUNTY MARSHALL

QUADRANGLE NEW MARTINSVILLE 7.5' LEASE NUMBER WV16-0099-000, WV62-0003-001, WV16-0076-001, WV16-0095-006, WV16-0127-001

SURFACE OWNER BAYER MATERIAL SCIENCES, LLC ACREAGE 22.67

OIL & GAS ROYALTY OWNER BAYER MATERIAL SCIENCES, LLC, et al LEASE ACREAGE 510.23

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

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6480' + Horizontal Leg

WELL OPERATOR GASTAR EXPLORATION USA, INC. DESIGNATED AGENT MICHAEL McCOWN

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

07/26/2013

8,560'

LONGITUDE 80° 47' 30"

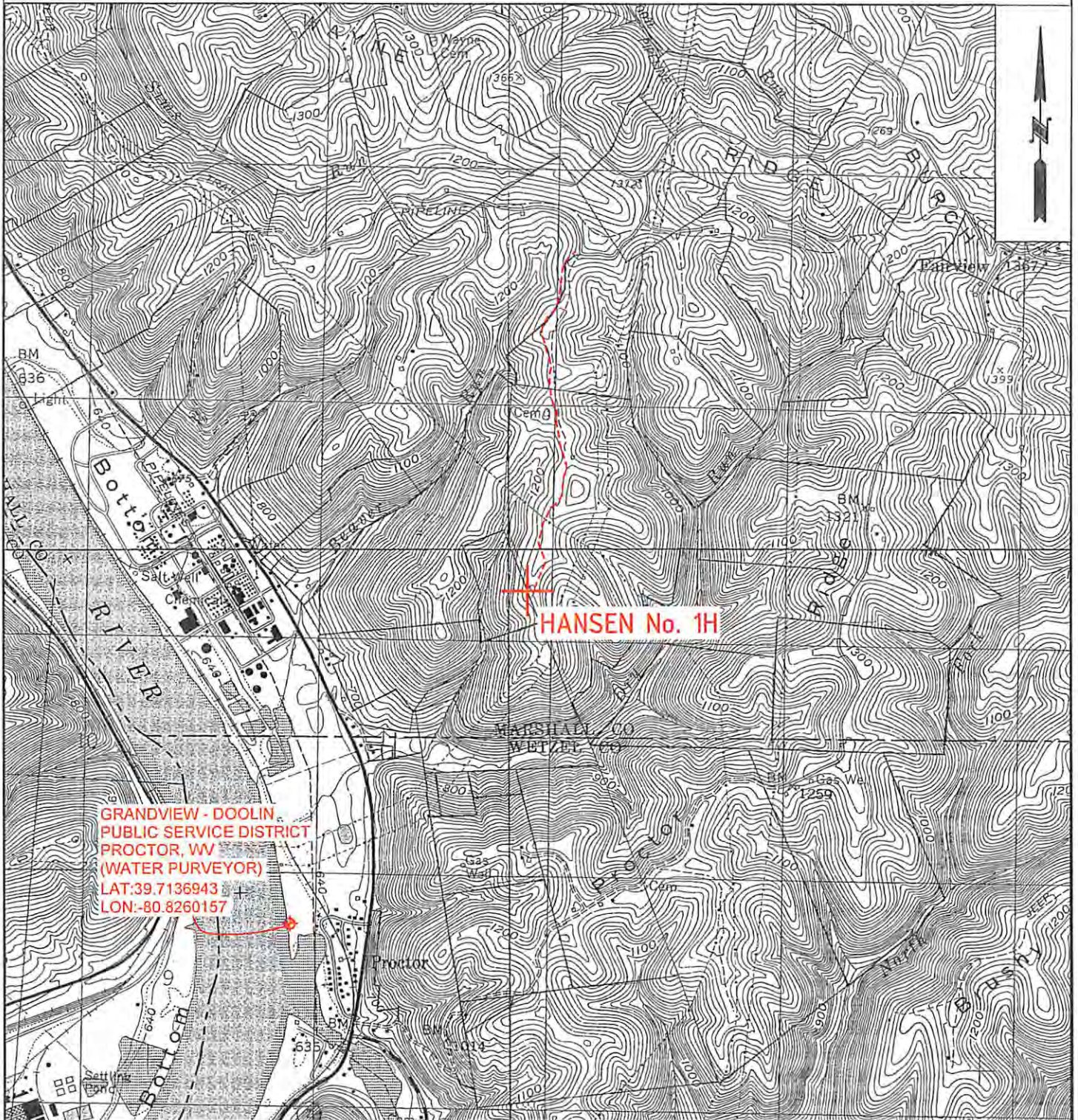
COUNTY NAME PERMIT

51-01645

WW-9

PROPOSED HANSEN WELL No. 1H

SUPPLEMENT PG 2



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

WPH
5-7-13

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