

LATITUDE 39° 45' 00"
HANSEN LEASE
WELL NO. 9H
487.56± 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.

REFERENCES
 HANSEN NO. 9H
 S 61° 33' E 276.2'
 S 45° 29' E 278.2'
 8" SUMAC
 4" LOCUST

MAG. 03/12/13
 SCALE 1"=200'

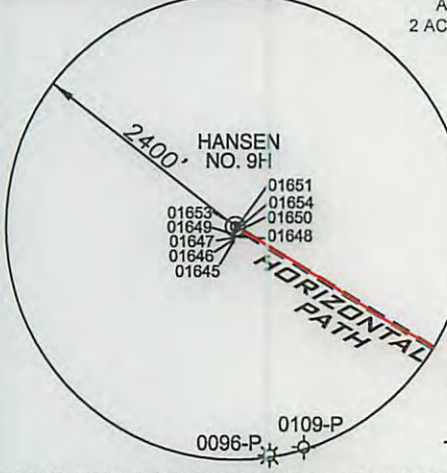
LEGEND
 - - - LEASED TRACTS
 - - - INTERIOR MINERAL TRACTS
 - - - SURFACE TRACTS
 - - - HARD LEASE LINE

SURFACE HOLE
 UTM. NAD83, ZONE 17
 IN METERS
 N) 4,397,472.2
 E) 515,920.6

LANDING POINT 1
 UTM. NAD83, ZONE 17
 IN METERS
 N) 4,396,926.8
 E) 516,739.5

BOTTOM HOLE
 UTM. NAD83, ZONE 17
 IN METERS
 N) 4,395,770.3
 E) 517,201.9

NOTE: BORE PATH BASED ON GRID NORTH.

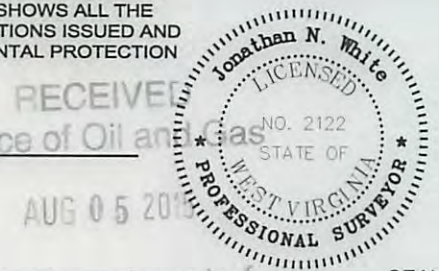


(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS 88.4 ACRES

FILE NUMBER W0120313 (WB1-62)
 DRAWING NUMBER HANSEN_WP_9H-WR35
 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: JULY 28, 2015
 OPERATORS WELL NO. HANSEN NO. 9H AS-DRILLED
 API WELL NO. 47-051-01652
 STATE WV COUNTY MARSHALL PERMIT 10/16/2015

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 WW16-0099-000, WW62-0003-001, WW16-0076-001, WW16-0127-001

SURFACE OWNER BAYER MATERIAL SCIENCES, LLC ACREAGE 172.79
 OIL & GAS ROYALTY OWNER PPG INDUSTRIES, INC., et al LEASE ACREAGE 487.56
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY) _____
 PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH TVD: 6535' TMD: 11,983'
 WELL OPERATOR GASTAR EXPLORATION 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