

HARPER PERDUE #1A
 STATE PLANE
 COORDINATES
 (SOUTH ZONE)
 (N) 539862
 (E) 1889654

HARPER PERDUE #1A
 L & L DECIMAL
 38.48197
 81.38547

HARPER PERDUE #1A
 UTM (NAD 83)
 4259374
 466392

HARPER PERDUE LEASE 83 AC±

HOFFMAN
 13.35 ACRES±
 MAP 18
 PARCEL 136.1

HASS
 34.75 ACRES±
 MAP 18
 PARCEL 148

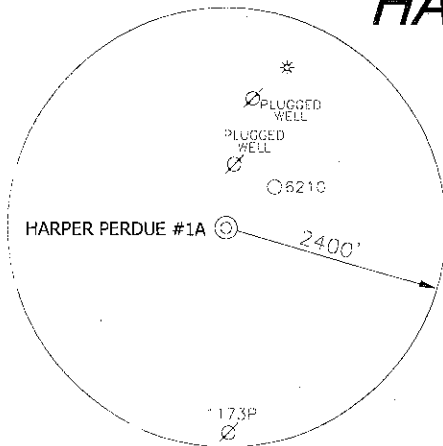
YOUNG
 13.35 ACRES±
 MAP 18
 PARCEL 65

HARPER
 24.42 ACRES±
 MAP 18
 PARCEL 136

HARPER PERDUE #1A

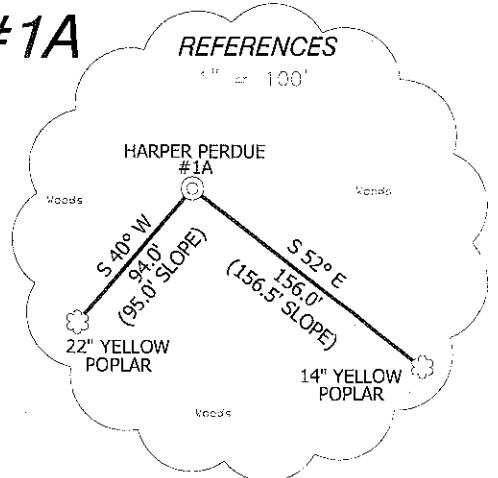
HOFFMAN
 44 ACRES±
 MAP 18
 PARCEL 147

HARPER PERDUE #1A



NOTES

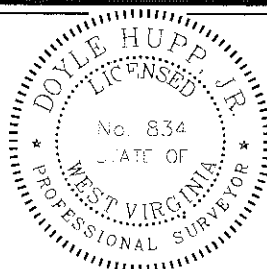
TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD 27
 TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 06-07-11.
 LEASE BOUNDARY SHOWN HEREON TAKEN FROM A DEED RECORDED IN DEED BOOK 2468 AT PAGE 586 AND INFORMATION PROVIDED BY RAVEN RIDGE ENERGY, LLC.
 SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF KANAWHA COUNTY IN FEBRUARY, 2011 AND INFORMATION PROVIDED BY RAVEN RIDGE ENERGY, LLC.
 WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).



I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.
 8.34

Doyle Hupp Jr.
HUPP Surveying & Mapping
 P.O. Box 647 Grantsville, WV 26147
 (304) 354-7955 EMAIL: hupp@frontiernet.net



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE JUNE 13, 2013
 OPERATORS WELL NO. HARPER PERDUE #1A
 API WELL NO. 47-039-06339
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. W2051 (BK 50-23)
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER GRADE) SCALE 1" = 500'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS



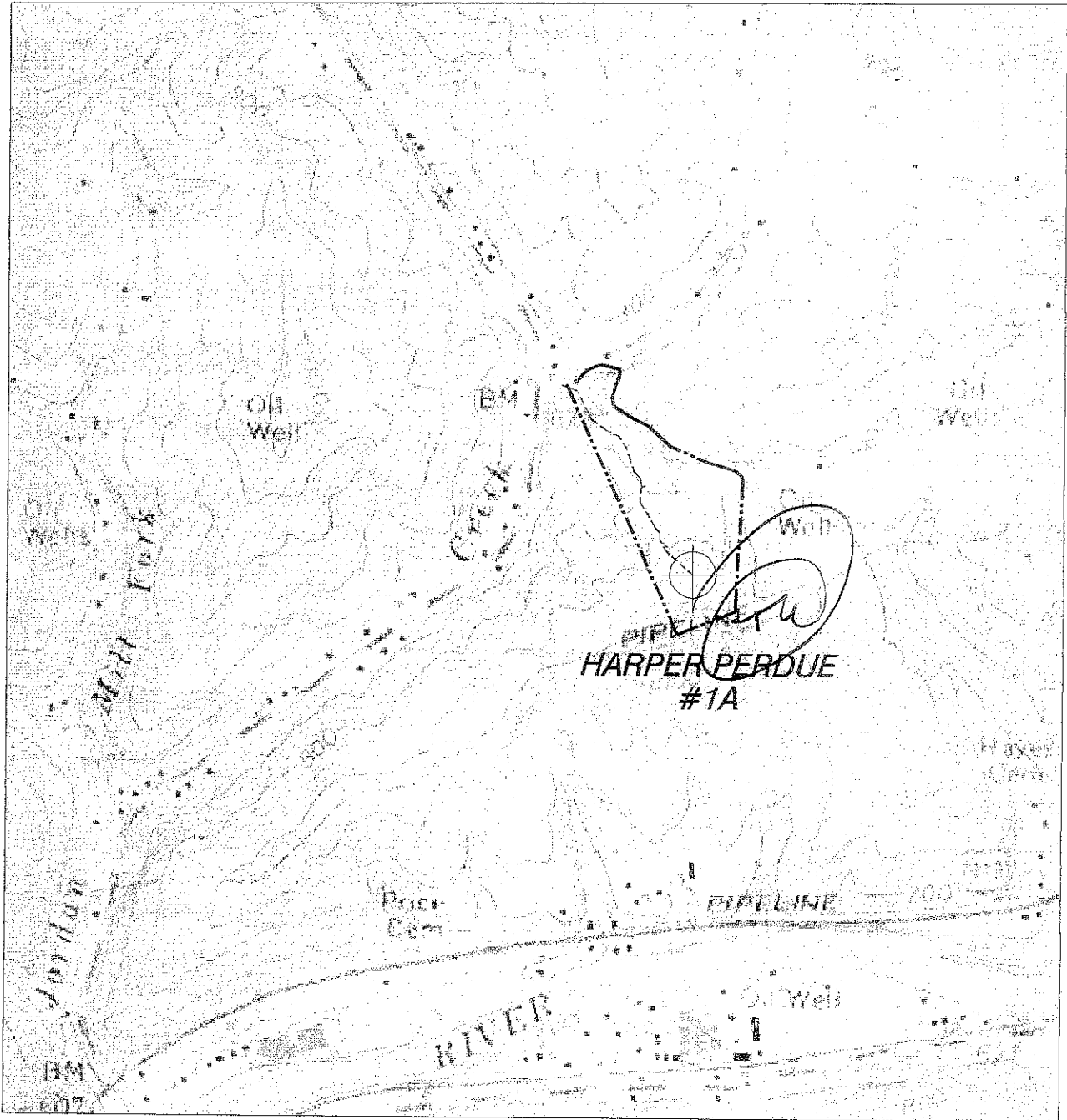
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL "GAS" PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 960' WATERSHED JORDAN CREEK

DISTRICT BIG SANDY COUNTY KANAWHA QUADRANGLE BLUE CREEK 7.5'
 SURFACE OWNER GARY HARPER ACREAGE 66.69±
 ROYALTY OWNER PARIS PERDUE HEIRS, et al LEASE ACREAGE 83±

PROPOSED WORK: LEASE NO. _____
 DRILL: CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER _____
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION BEREA
 ESTIMATED DEPTH 3,000'

OPERATOR RAVEN RIDGE ENERGY, LLC. DESIGNATED AGENT RYAN CUNNINGHAM
 ADDRESS 3230 PENNSYLVANIA AVE. CHARLESTON, WV 25302 ADDRESS 3230 PENNSYLVANIA AVE. CHARLESTON, WV 25302

RAVEN RIDGE ENERGY, LLC. HARPER PERDUE #1A



HUPP Surveying & Mapping

P.O. BOX 647 GRANTSVILLE, WV 26147
PH: (304) 354-7035 E-MAIL: hupp@frontiernet.net

1" = 1000'
BLUE CREEK Quad

RAVEN RIDGE ENERGY, LLC.
RECEIVED
 320 PENNSYLVANIA AVE.
 Office of Oil & Gas, WV 25302
 HARRISBURG, WV 25302

MAY 07 2012

WV Department of
Environmental Protection