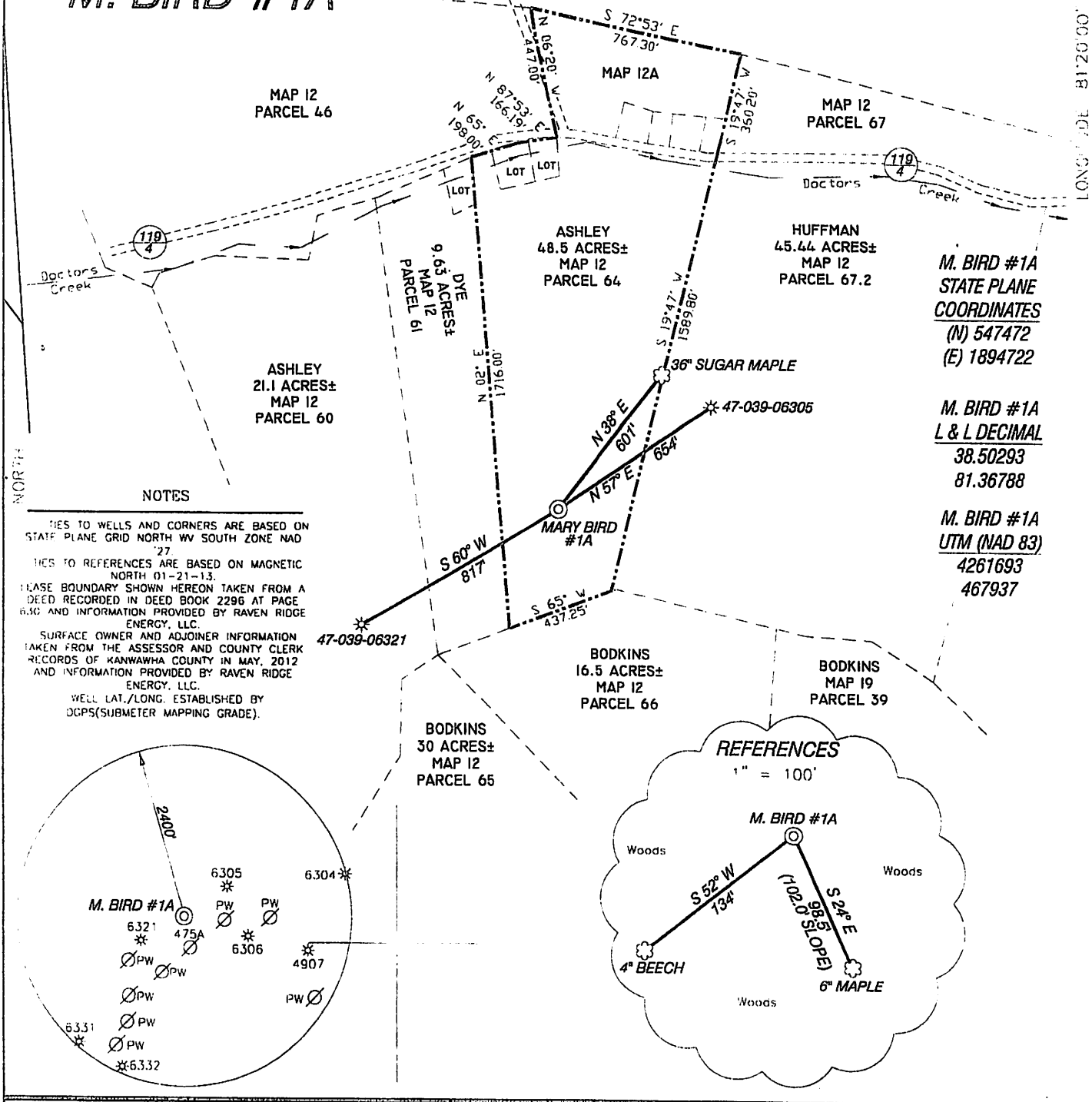


# M. BIRD #1A



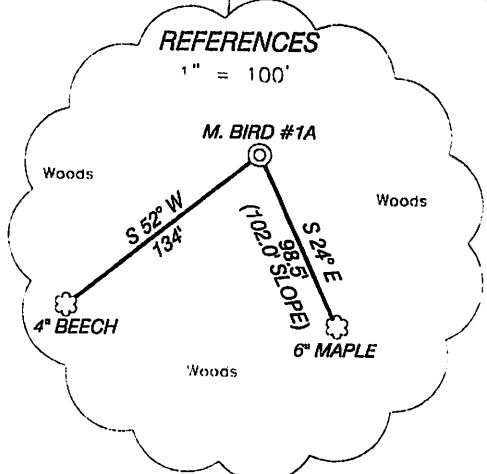
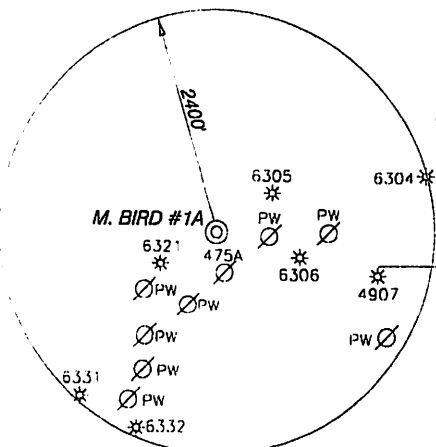
**M. BIRD #1A  
STATE PLANE  
COORDINATES**  
(N) 547472  
(E) 1894722

**M. BIRD #1A  
L & L DECIMAL**  
38.50293  
81.36788

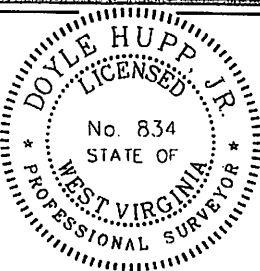
**M. BIRD #1A  
UTM (NAD 83)**  
4261693  
467937

### NOTES

REFERENCES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD 83.  
REFERENCES TO REFERENCES ARE BASED ON MAGNETIC NORTH 01-21-13.  
LEASE BOUNDARY SHOWN HEREON TAKEN FROM A DEED RECORDED IN DEED BOOK 2296 AT PAGE 630 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 MAY, 2012 AND INFORMATION PROVIDED BY RAVEN RIDGE ENERGY, LLC.  
WELL LAT./LONG. ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).



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 DIVISION OF ENVIRONMENTAL PROTECTION.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE JANUARY 21 2013  
OPERATORS WELL NO. MARY BIRD #1A  
API WELL NO. 47-039-06345V  
STATE COUNTY PERMIT

P.S. 834  
**HUPP Surveying & Mapping**  
P.O. Box 647 Grantsville, WV 26147  
(304) 354-7035 EMAIL: hupp@frontiernet.net

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. W2145 (BK 62-44)  
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  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

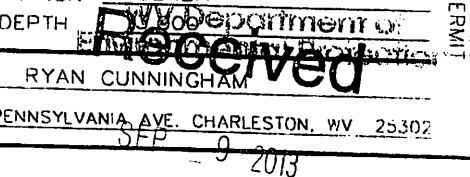
LOCATION: ELEVATION 1,041' WATERSHED DOCTORS CREEK  
DISTRICT BIG SANDY COUNTY KANAWHA QUADRANGLE CLIO 7.5'

SURFACE OWNER LESLIE & CONNIE ASHLEY ACREAGE 48.5±  
ROYALTY OWNER MARY BIRD HEIRS, et al LEASE ACREAGE 57±  
PROPOSED WORK: LEASE NO. 2013-001

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 \_\_\_\_\_

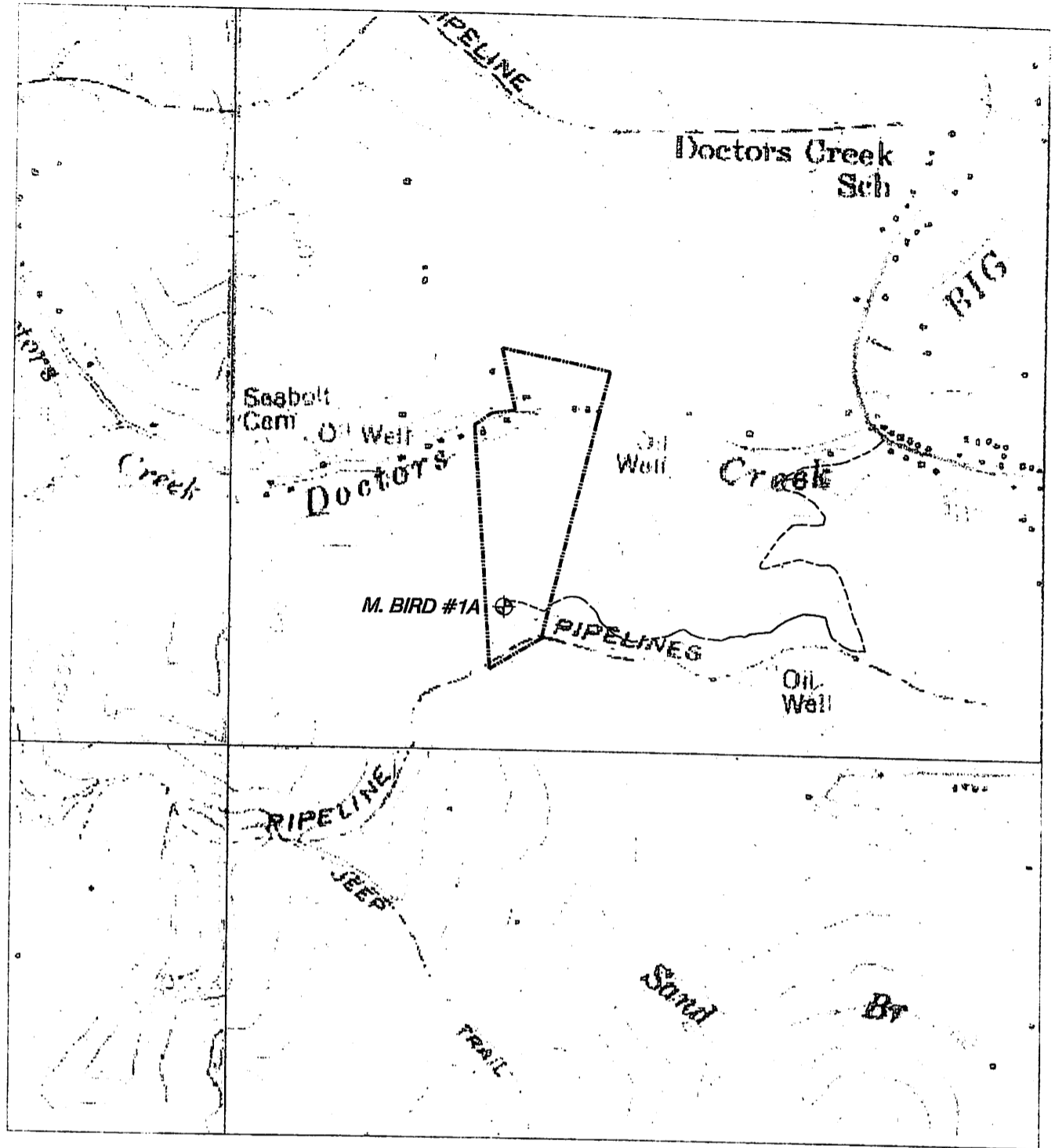
WELL OPERATOR RAVEN RIDGE ENERGY, LLC. DESIGNATED AGENT RYAN CUNNINGHAM  
ADDRESS 3230 PENNSYLVANIA AVE. CHARLESTON, WV 25302 ADDRESS 3230 PENNSYLVANIA AVE. CHARLESTON, WV 25302



Office of Oil and Gas  
WV Dept. of Environmental Protection  
11/22/2013

3406345R

# RAVEN RIDGE ENERGY, LLC. M. BIRD #1A



NORTH

### HUPP Surveying & Mapping

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

1" = 1000'  
Clio Quad

Raven Ridge Energy, LLC.  
3230 Pennsylvania Ave.  
Charleston, WV 25302

Received

SEP 9 2013

Office of Oil and Gas  
WV Dept. of Environmental Protection

11/22/2013