

**J.S. COCHRAN #3**  
**(47-015-02888)**

**STATE PLANE**  
**COORDINATES**  
**SOUTH ZONE - NAD 27**  
**(N) 519651**  
**(E) 1936163**

**L & L DECIMAL**  
**NAD 27**  
**38.42689**  
**81.22284**

**UTM (NAD 83)**  
**ZONE 17**  
**METERS**  
**4253216**  
**480584**

NOTES

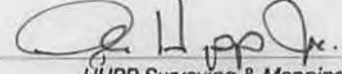
TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD 27.

LEASE BOUNDARY SHOWN HEREON TAKEN FROM A DEED RECORDED IN DEED BOOK 200 AT PAGE 413 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).

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 DIVISION OF ENVIRONMENTAL PROTECTION.

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



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

DATE OCTOBER 22, 20 14


OPERATORS WELL NO. J.S. COCHRAN #3

API WELL NO. 47-015-02888

STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. W2136 (BK 63-50)

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 1,237' WATERSHED TRIBUTARY OF WADE FORK

DISTRICT UNION COUNTY CLAY QUADRANGLE ELKHURST 7.5'

SURFACE OWNER CHESSIE CONNER, et al ACREAGE 53±

ROYALTY OWNER ALVIN ENGELKE, AGENT LEASE ACREAGE 117.25±

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'

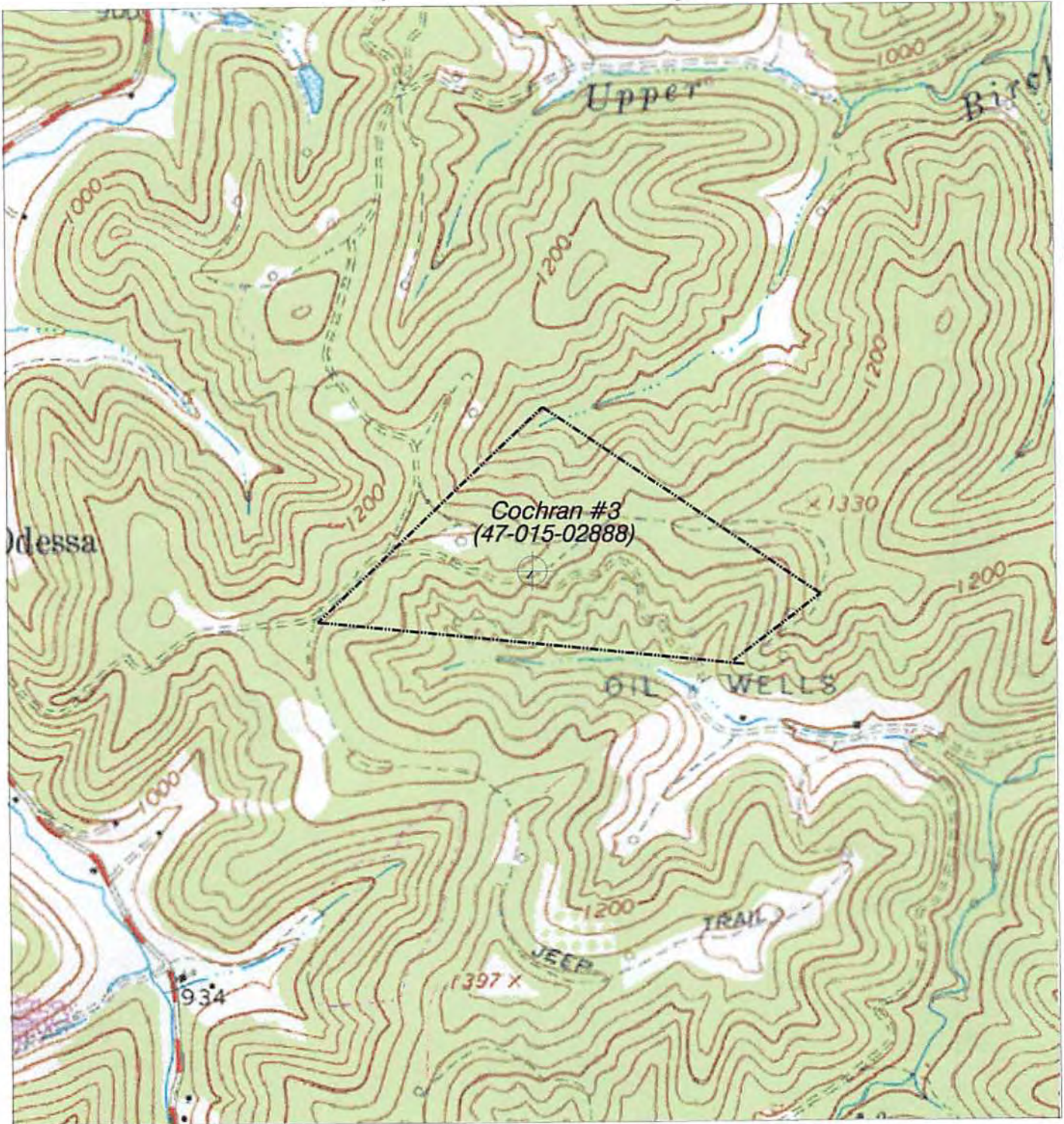
WELL OPERATOR CUNNINGHAM ENERGY, LLC. DESIGNATED AGENT RYAN CUNNINGHAM

ADDRESS 3230 PENNSYLVANIA AVE CHARLESTON, WV 25302 ADDRESS 3230 PENNSYLVANIA AVE CHARLESTON

12/19/2014

**Raven Ridge Energy, LLC.**  
**J.S. Cochran #3**  
**(47-015-02888)**

15-2888



NORTH

**HUPP Surveying & Mapping**

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1" = 1000'  
Elkhurst Quad

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