

NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 05/13/10.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM ISLAND CREEK TRACT MAPS (UNITED THACKER MAPS).
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MINGO COUNTY IN NOVEMBER, 2010.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

ISLAND CREEK COAL CO. LEASE

60,000 ACRES ±

WELL NO. WV 513268

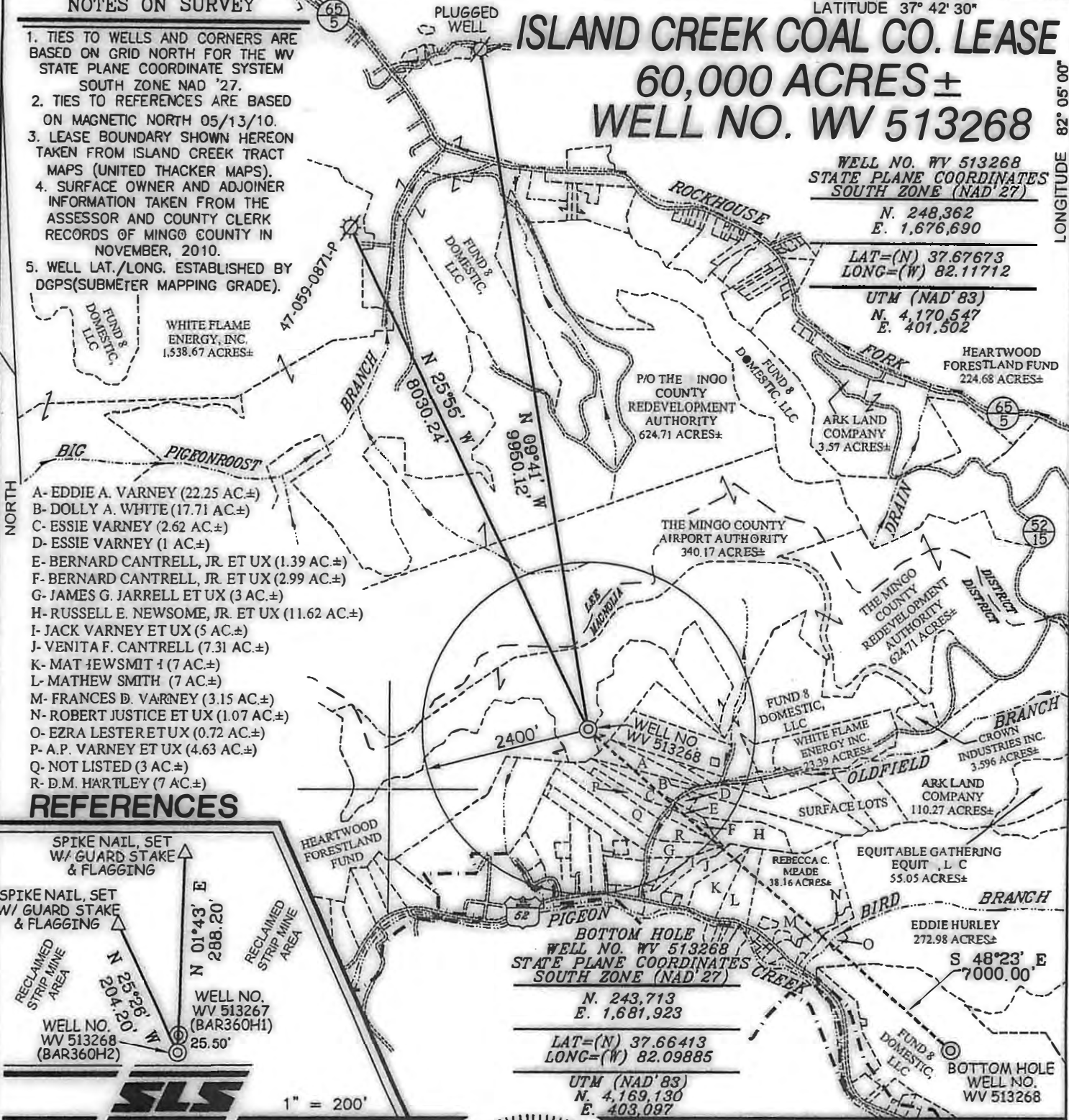
WELL NO. WV 513268
STATE PLANE COORDINATES
SOUTH ZONE (NAD' 27)

N. 248,362
E. 1,676,690

LAT=(N) 37.67673
LONG=(W) 82.11712

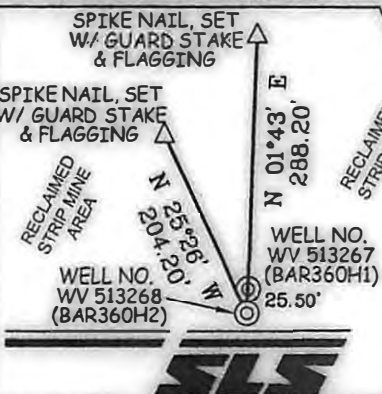
UTM (NAD' 83)
N. 4,170,547
E. 401,502

NORTH



- A- EDDIE A. VARNEY (22.25 AC.±)
- B- DOLLY A. WHITE (17.71 AC.±)
- C- ESSIE VARNEY (2.62 AC.±)
- D- ESSIE VARNEY (1 AC.±)
- E- BERNARD CANTRELL, JR. ET UX (1.39 AC.±)
- F- BERNARD CANTRELL, JR. ET UX (2.99 AC.±)
- G- JAMES G. JARRELL ET UX (3 AC.±)
- H- RUSSELL E. NEWSOME, JR. ET UX (11.62 AC.±)
- I- JACK VARNEY ET UX (5 AC.±)
- J- VENITA F. CANTRELL (7.31 AC.±)
- K- MAT HEWSMITH (7 AC.±)
- L- MATHEW SMITH (7 AC.±)
- M- FRANCES D. VARNEY (3.15 AC.±)
- N- ROBERT JUSTICE ET UX (1.07 AC.±)
- O- EZRA LESTER ET UX (0.72 AC.±)
- P- A.P. VARNEY ET UX (4.63 AC.±)
- Q- NOT LISTED (3 AC.±)
- R- D.M. HARTLEY (7 AC.±)

REFERENCES



WELL NO. WV 513268
STATE PLANE COORDINATES
SOUTH ZONE (NAD' 27)

N. 243,713
E. 1,681,923

LAT=(N) 37.66413
LONG=(W) 82.09885

UTM (NAD' 83)
N. 4,169,130
E. 403,097

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. 677

Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE DECEMBER 21, 20 10
OPERATORS WELL NO. WV 513268
API WELL NO. 47-059-02216H
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 3890P513268 (299-55)
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 2,000'

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 1,820' WATERSHED OLDFIELD BRANCH OF PIGEON CREEK
DISTRICT MAGNOLIA COUNTY MINGO QUADRANGLE BARNABUS 7.5'
SURFACE OWNER THE MINGO COUNTY REDEVELOPMENT AUTHORITY ACREAGE 624.71±
ROYALTY OWNER ISLAND CREEK CORPORATION LEASE ACREAGE 60,000±
PROPOSED WORK: LEASE NO. 080662
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 LOWER HURON
ESTIMATED DEPTH 5,240' (TOTAL VERTICAL DEPTH)

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY
ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE
CHARLESTON, WV 25302 CHARLESTON, WV 25302

07/26/2013