

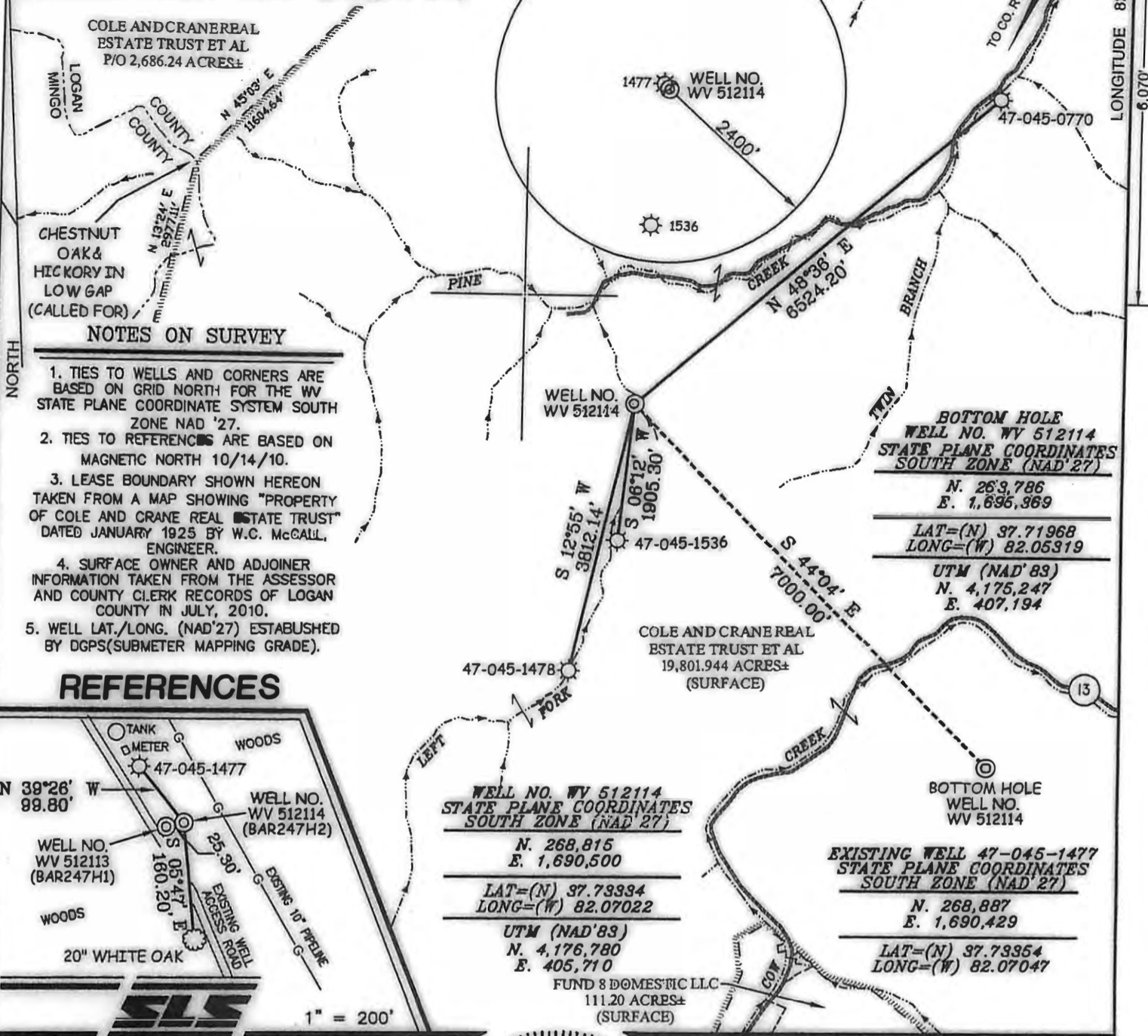
COLE AND CRANE REAL ESTATE TRUST LEASE

13,292.15 ACRES ±

WELL NO. WV 512114

LATITUDE 37° 45' 00"

LONGITUDE 82° 02' 30"



- TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
- TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 10/14/10.
- LEASE BOUNDARY SHOWN HEREON TAKEN FROM A MAP SHOWING "PROPERTY OF COLE AND CRANE REAL ESTATE TRUST" DATED JANUARY 1925 BY W.C. McCALL, ENGINEER.
- SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF LOGAN COUNTY IN JULY, 2010.
- WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).



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

DATE OCTOBER 21, 20 10

OPERATORS WELL NO. WV 512114

API WELL NO. 47-045-02404H

STATE COUNTY PERMIT

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*

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

MINIMUM DEGREE OF ACCURACY 1/2500

FILE NO. 3796P512114 (299-29 & 311-76)

SCALE 1" = 2000'

PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE)

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION:
ELEVATION 1,226' WATERSHED LEFT FORK OF PINE CREEK
DISTRICT ISLAND CREEK COUNTY LOGAN QUADRANGLE BARNABUS 7.5'

SURFACE OWNER COLE & CRANE REAL ESTATE TRUST ET AL ACREAGE 19,801.944 ±

ROYALTY OWNER COLE & CRANE REAL ESTATE TRUST ET AL LEASE ACREAGE 13,292.15 ±

PROPOSED WORK: LEASE NO. 080574

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 4,730' (TOTAL VERTICAL DEPTH)

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY

ADDRESS 1710 PENNSYLVANIA AVE CHARLESTON, WV 25302

07/26/2013