FORM WW 6

COLE AND CRANE REAL ESTATE TRUST ET AL LEASE
12096.64 ACRES± TOTAL
WELL NO. WV 511694

WELL NO. WV 511694
BOTTOM HOLE
STATE PLANE COORDINATES
SOUTH ZONE (NAD 27)
N. 269,228
E. 1,724,223

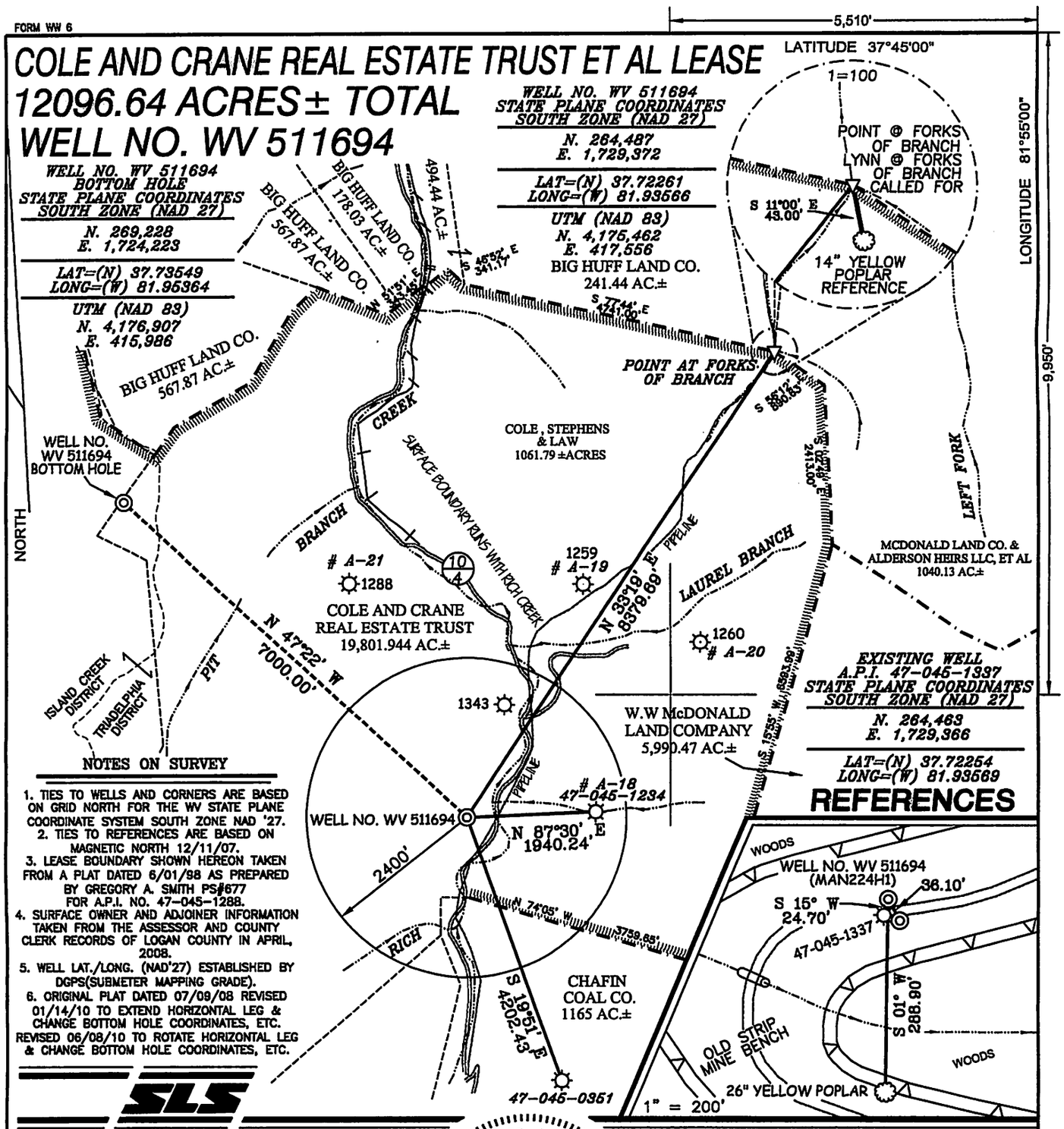
LAT=(N) 37.73549
LONG=(W) 81.95364

UTM (NAD 83)
N. 4,176,907
E. 415,986

WELL NO. WV 511694
STATE PLANE COORDINATES
SOUTH ZONE (NAD 27)
N. 264,487
E. 1,729,372

LAT=(N) 37.72261
LONG=(W) 81.93566

UTM (NAD 83)
N. 4,175,462
E. 417,556



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 12/11/07.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A PLAT DATED 6/01/98 AS PREPARED BY GREGORY A. SMITH PS#677 FOR A.P.I. NO. 47-045-1288.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF LOGAN COUNTY IN APRIL, 2008.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
6. ORIGINAL PLAT DATED 07/09/08 REVISED 01/14/10 TO EXTEND HORIZONTAL LEG & CHANGE BOTTOM HOLE COORDINATES, ETC. REVISED 06/08/10 TO ROTATE HORIZONTAL LEG & CHANGE BOTTOM HOLE COORDINATES, ETC.

SLS

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

GREGORY A. SMITH LICENSED No. 677 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

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

DATE JUNE 08, 20 10

OPERATORS WELL NO. WV 511694

API WELL NO. 47 — 045 — 02142H
STATE COUNTY PERMIT

CANCELLED Rev.

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 3796P511694R2 (246-54 & 249-16)

SCALE 1" = 2,000'

PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE)

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

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

LOCATION:
ELEVATION 1,276' WATERSHED RICH CREEK
DISTRICT TRIADELPHIA COUNTY LOGAN QUADRANGLE MAN 7.5'
SURFACE OWNER COLE AND CRANE REAL ESTATE TRUST ET AL ACREAGE 19,801.944±
ROYALTY OWNER COLE AND CRANE REAL ESTATE TRUST ET AL LEASE ACREAGE 12,096.64±
PROPOSED WORK: LEASE NO. 080565
DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X 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 4,820' (TOTAL VERTICAL DEPTH)

COUNTY NAME

PERMIT

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