

WENTZ 18H
STATE PLANE
COORDINATES
NORTH ZONE
(N) 197733
(E) 1824106

WENTZ 18H
L & L DECIMAL
80.11925

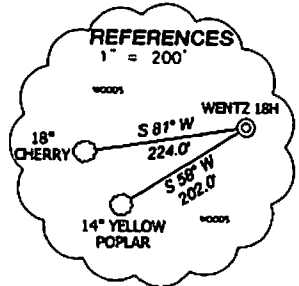
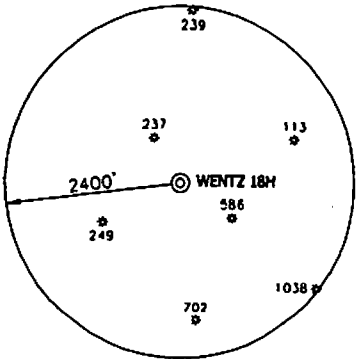
WENTZ 18H
BOTTOM HOLE
STATE PLANE
COORDINATES
NORTH ZONE
(N) 194746
(E) 1827735

WENTZ 18H
BOTTOM HOLE
L & L DECIMAL
80.03309
80.10640

NOTE
THE LATERAL AS SHOWN IS A DEPICTION
OF THE PROPOSED ROUTE FROM A MAP
PROVIDED BY EXCO-NORTH COAST ENERGY
EASTERN, INC. AND IS SHOWN ONLY FOR
VISUAL PURPOSES

NOTES ON SURVEY

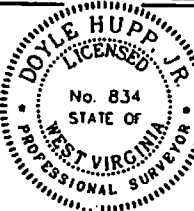
TIES TO WELLS AND CORNERS ARE
BASED ON STATE PLANE GRID NORTH WV
NORTH ZONE NAD '27.
TIES TO REFERENCES ARE BASED ON
MAGNETIC NORTH 02-03-09.
LEASE BOUNDARY SHOWN HEREON TAKEN
FROM A DEED RECORDED IN DEED BOOK
373 AT PAGE 178 AND INFORMATION
PROVIDED BY NORTH COAST ENERGY
EASTERN, INC.
SURFACE OWNER AND ADJOINER
INFORMATION TAKEN FROM THE ASSESSOR
AND COUNTY CLERK RECORDS OF BARBOUR
COUNTY IN JUNE, 2008 AND INFORMATION
PROVIDED BY NORTH COAST ENERGY
EASTERN, INC.
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

Doyle Hupp Jr.
HUPP Surveying & Mapping
P.O. Box 647 Grantsville, WV 26147
(304) 354-7035 (FAX: hupp@hupp.net)



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
DATE MARCH 30 2009
OPERATORS WELL NO. WENTZ 18H
API WELL NO. 47-001-13033H
STATE COUNTY PERMIT
CANCELLED

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. W1331 (BK39-15)
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER GRADE) SCALE 1" = 1000'

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 1.465' WATERSHED BUCKHANNON RIVER
DISTRICT UNION COUNTY BARBOUR QUADRANGLE AUDRA 7.5'

SURFACE OWNER ROBERT R. JONES ACREAGE 100±
ROYALTY OWNER NORTH COAST ENERGY EASTERN, INC. LEASE ACREAGE 697±
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 MARCELLUS
 ESTIMATED DEPTH TVR: 7159' TMD: 1255'

WELL OPERATOR EXCO - NORTH COAST ENERGY EASTERN, INC. DESIGNATED AGENT SHARON BARTH
ADDRESS P.O. BOX 8 RAVENSWOOD, WV 26164 ADDRESS 707 VIRGINIA ST. EAST CHARLESTON, WV 25301

COUNTY NAME
PERMIT