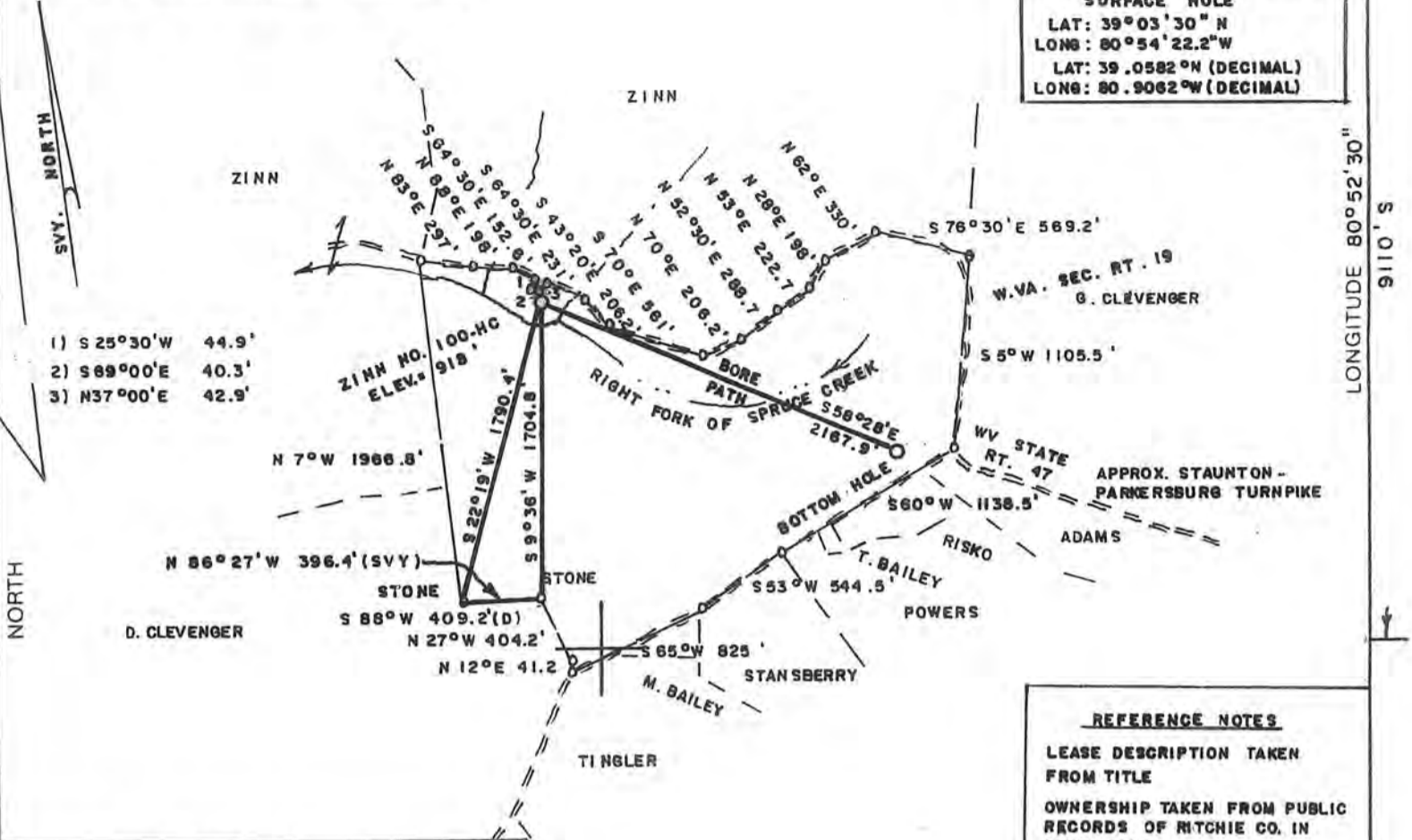


ZINN LEASE 112.4 AC.

PAULINE P. ZINN, 112.4 AC. SURF.

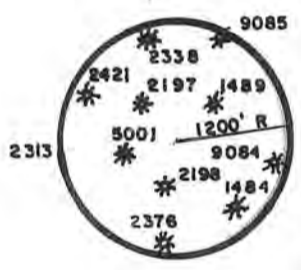
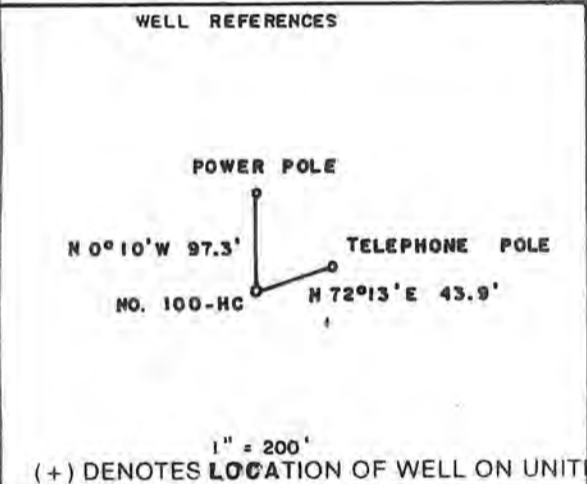
PROPOSED WELL - ZINN 100-HC
GEOGRAPHIC NAD 27 COORDINATES
SURFACE HOLE
LAT: 39°03'30" N
LONG: 80°54'22.2" W
LAT: 39.0582°N (DECIMAL)
LONG: 80.9062°W (DECIMAL)



- 1) S 25°30'W 44.9'
- 2) S 89°00'E 40.3'
- 3) N 37°00'E 42.9'

REFERENCE NOTES
LEASE DESCRIPTION TAKEN FROM TITLE
OWNERSHIP TAKEN FROM PUBLIC RECORDS OF RITCHIE CO. IN JUNE 2009
NAD LAT/ LONG BY 7.5' MINUTE USGS TOPO
MAP: BURNT HOUSE QUAD. 7.5'

BOTTOM HOLE - ZINN -100-HC
LAT: 39°03' 26.5 N
LONG: 80°53' 58" W
LAT: 39.0574°N (DECIMAL)
LONG: 80.8994°W (DECIMAL)



FILE NO. _____
DRAWING NO. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION JCT. OF ROADS E. SIDE OF LEASE ELEV. = 1187'

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 DEPARTMENT OF ENERGY.
(SIGNED) Mark C. Echard
R.P.E. _____ L.L.S. 490

PLACE SEAL HERE

STATE OF WEST VIRGINIA
Division of Environmental Protection
OFFICE OF OIL AND GAS

DATE JULY 2, 2009
OPERATOR'S WELL NO. ZINN NO. 100-HC
API WELL NO. 47-085-09826 H

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION STORAGE _____ DEEP SHALLOW _____

LOCATION: ELEVATION 918' WATER SHED RIGHT FORK OF SPRUCE CREEK
DISTRICT UNION COUNTY RITCHIE
QUADRANGLE BURNT HOUSE 7.5'

SURFACE OWNER PAULINE P. ZINN ACREAGE 112.4
OIL & GAS ROYALTY OWNER PAULINE P. ZINN, et al LEASE ACREAGE 112.4

PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION BIG. INJUN ESTIMATED DEPTH 2000 TO 4200 MD
WELL OPERATOR JAY-BEE PRODUCTION CO. DESIGNATED AGENT RANDY BRODA
ADDRESS 1720 RT. 22 EAST ADDRESS RT. 1, BOX 5
UNION, NJ 07083 CAIRO, WV 26337

COUNTY NAME RITCHIE
PERMIT 08/24/2012