

10,980' TO TOP HOLE

LATITUDE 39°20'00"

8,844' TO BOTTOM HOLE

LATITUDE 39°17'30"

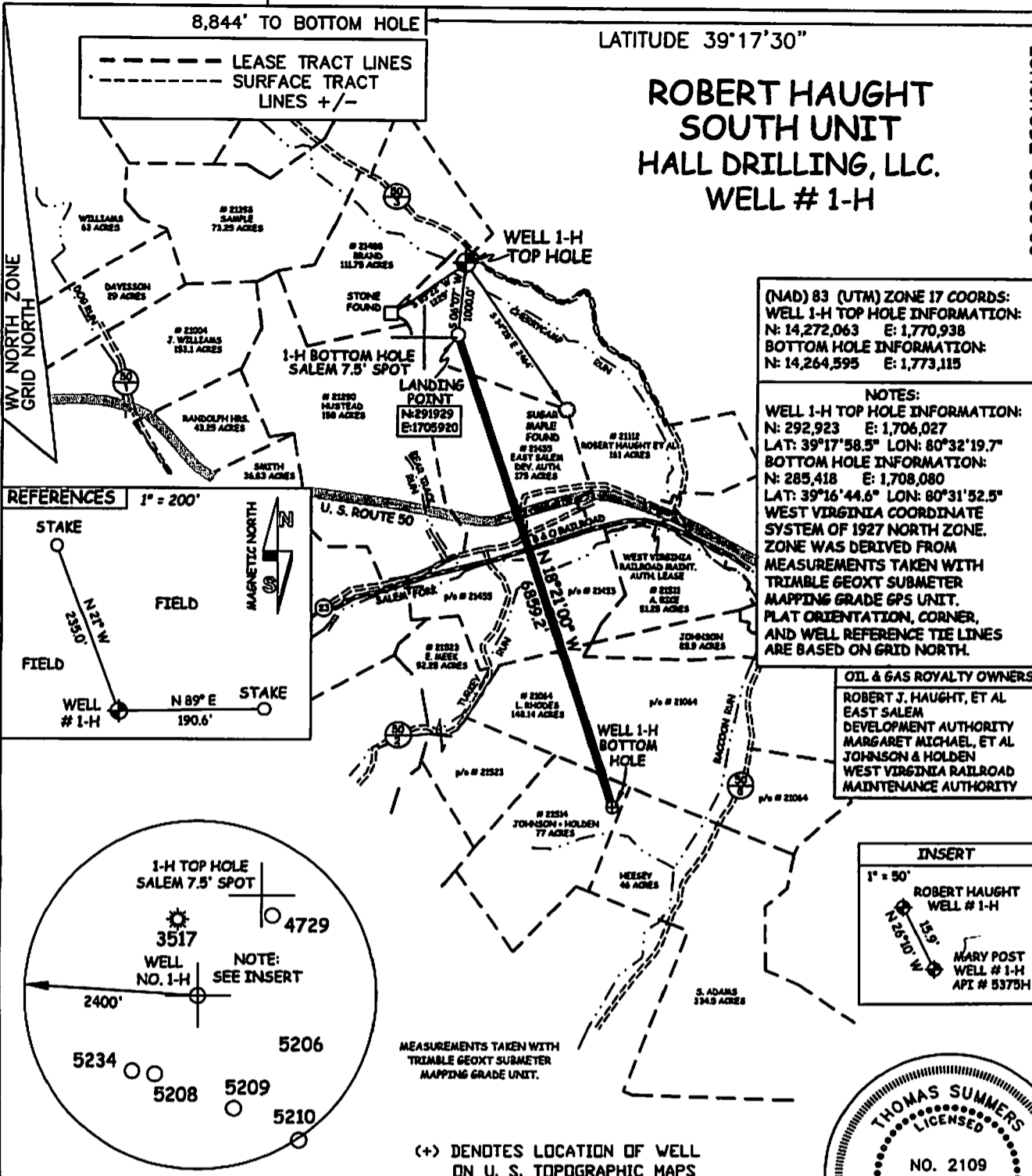
LONGITUDE 80°30'00"

LONGITUDE 80°30'00"

4,599' TO BOTTOM HOLE

12,294' TO TOP HOLE

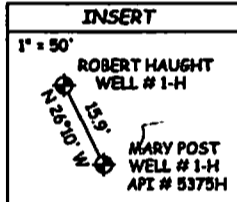
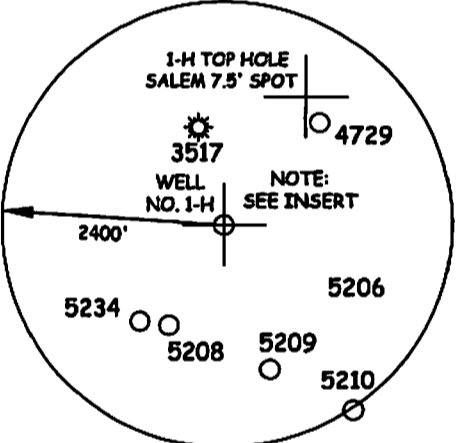
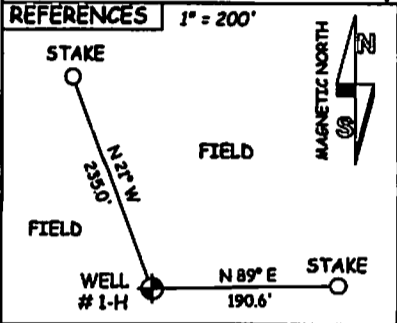
ROBERT HAUGHT SOUTH UNIT HALL DRILLING, LLC. WELL # 1-H



(NAD) 83 (UTM) ZONE 17 COORDS:
 WELL 1-H TOP HOLE INFORMATION:
 N: 14,272,063 E: 1,770,938
 BOTTOM HOLE INFORMATION:
 N: 14,264,595 E: 1,773,115

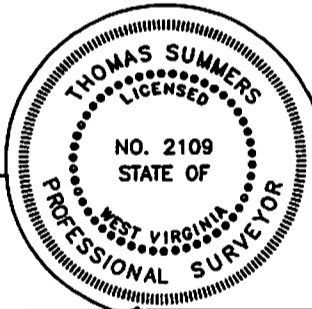
NOTES:
 WELL 1-H TOP HOLE INFORMATION:
 N: 292,923 E: 1,706,027
 LAT: 39°17'58.5" LON: 80°32'19.7"
 BOTTOM HOLE INFORMATION:
 N: 285,418 E: 1,708,080
 LAT: 39°16'44.6" LON: 80°31'52.5"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

OIL & GAS ROYALTY OWNERS
 ROBERT J. HAUGHT, ET AL
 EAST SALEM DEVELOPMENT AUTHORITY
 MARGARET MICHAEL, ET AL
 JOHNSON & HOLDEN
 WEST VIRGINIA RAILROAD MAINTENANCE AUTHORITY



MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE UNIT.

(+) DENOTES LOCATION OF WELL ON U. S. TOPOGRAPHIC MAPS



JOB # 09-037
 DRAWING # 10HAUGHTRWP1H
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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 PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 266 HUSHERS RUN RD PENNSBORO WEST VIRGINIA 26415

THOMAS SUMMERS P.S. 2109
 DATE 7/27/10
 OPERATOR'S WELL # NO. 1-H
 API WELL # 47-033-05453H
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1060' WATERSHED CHERRYCAM RUN
 DISTRICT TENMILE COUNTY HARRISON
 QUADRANGLE SALEM 7.5'

SURFACE OWNER MARY POST, ET AL ACREAGE 160.927 ACRES +/-
 OIL & GAS ROYALTY OWNER SEE CHART ABOVE LEASE ACREAGE 161 AC. +/-
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG & ABANDON CLEAN OUT & REPLUG _____
 TARGET FORMATION MARCELLUS
 WELL OPERATOR HALL DRILLING CO. LLC.
 ADDRESS P.O. BOX 249 ELLENBORO, WV 26346
 ESTIMATED DEPTH 7800'
 DESIGNATED AGENT MIKE HALL
 ADDRESS P.O. BOX 249 ELLENBORO, WV 26346

LEASE # 21112, 21455, 21064, 21514

COUNTY NAME PERMIT