

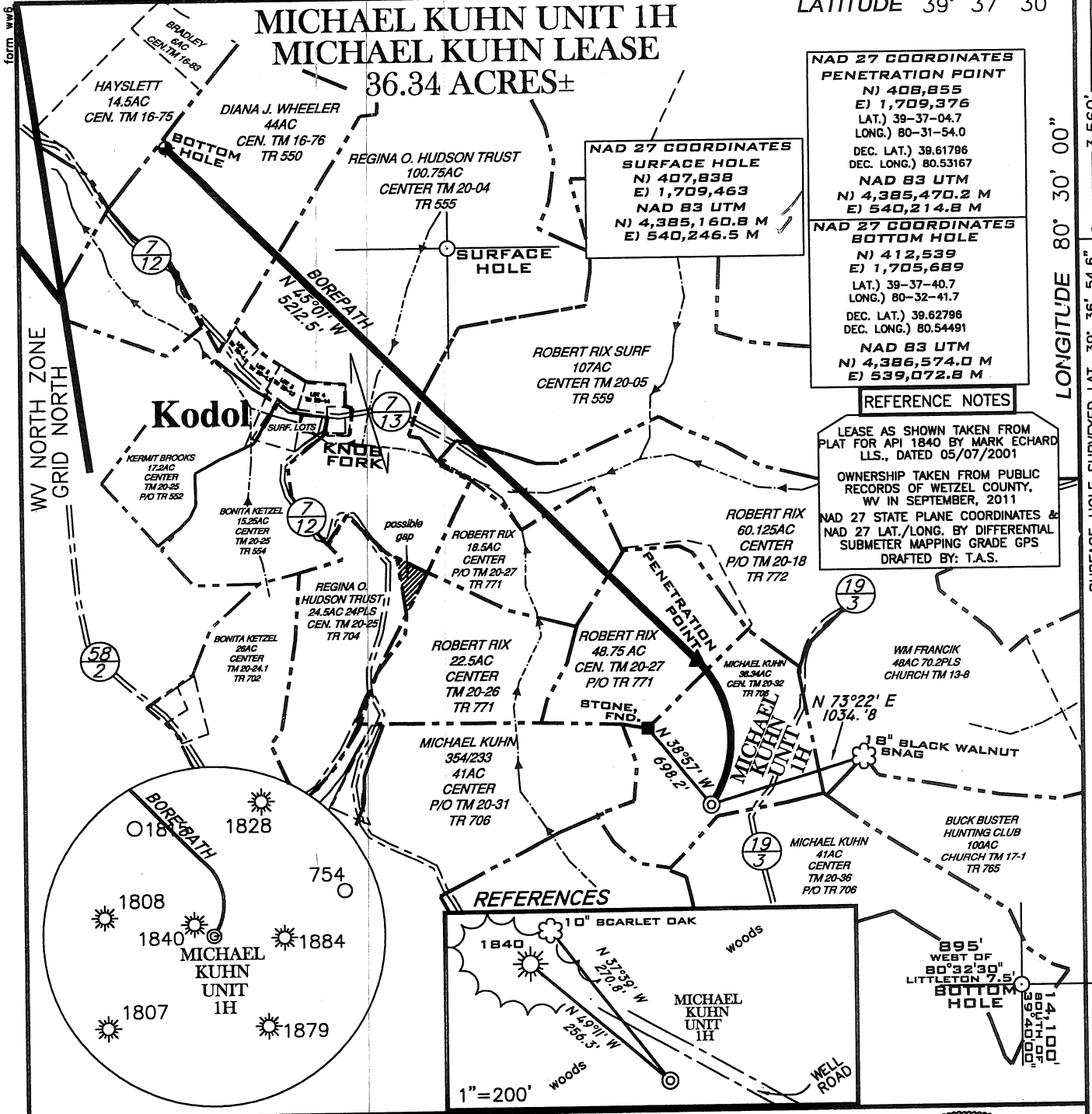
DECIMAL LONG: 80.53132
SURFACE LONG: 80° 31' 52.8"

8,825'

LATITUDE 39° 37' 30"

MICHAEL KUHN UNIT 1H MICHAEL KUHN LEASE

36.34 ACRES±



NAD 27 COORDINATES PENETRATION POINT
 N) 408,855
 E) 1,709,376
 (LAT.) 39-37-04.7
 (LONG.) 80-31-54.0
 DEC. LAT.) 39.61796
 DEC. LONG.) 80.53167

NAD 83 UTM
 N) 4,385,470.2 M
 E) 540,214.8 M

NAD 27 COORDINATES BOTTOM HOLE
 N) 412,539
 E) 1,705,689
 (LAT.) 39-37-40.7
 (LONG.) 80-32-41.7
 DEC. LAT.) 39.62796
 DEC. LONG.) 80.54491

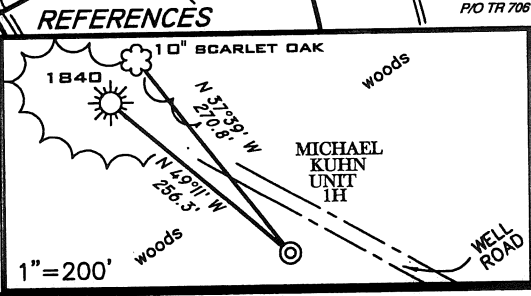
NAD 83 UTM
 N) 4,386,574.0 M
 E) 539,072.8 M

REFERENCE NOTES

LEASE AS SHOWN TAKEN FROM PLAT FOR API 1840 BY MARK ECHARD LLS., DATED 05/07/2001

OWNERSHIP TAKEN FROM PUBLIC RECORDS OF WETZEL COUNTY, WV IN SEPTEMBER, 2011

NAD 27 STATE PLANE COORDINATES & NAD 27 LAT./LONG. BY DIFFERENTIAL SUBMETER MAPPING GRADE GPS DRAFTED BY: T.A.S.



FILE NUMBER G110559(WB9-71)

DRAWING NUMBER G110559WP1H.dwg

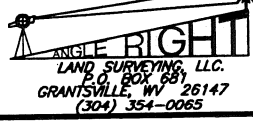
SCALE 1" = 1000'

MINIMUM DEGREE OF ACCURACY 1/200

PROVEN SOURCE OF ELEVATION SUBMETER MAPPING
GRADE GPS

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 ENVIRONMENTAL PROTECTION

P.S. 1006 *Terry A. Shreve*



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

DATE: NOVEMBER 10, 2011

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

OPERATORS WELL NO. MICHAEL KUHN UNIT 1H
 API WELL NO. 47-103-02751H6A
 STATE COUNTY PERMIT

LOCATION ELEVATION 1523' WATERSHED KNOB FORK
 DISTRICT CENTER COUNTY WETZEL

SURFACE OWNER MICHAEL G. KUHN ACREAGE 36.34±
 OIL & GAS ROYALTY OWNER MICHAEL G. KUHN et al LEASE ACREAGE 202.0, 71.5, 60.0, 124.95, 100.75, 45

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

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7650' + Horizontal Leg

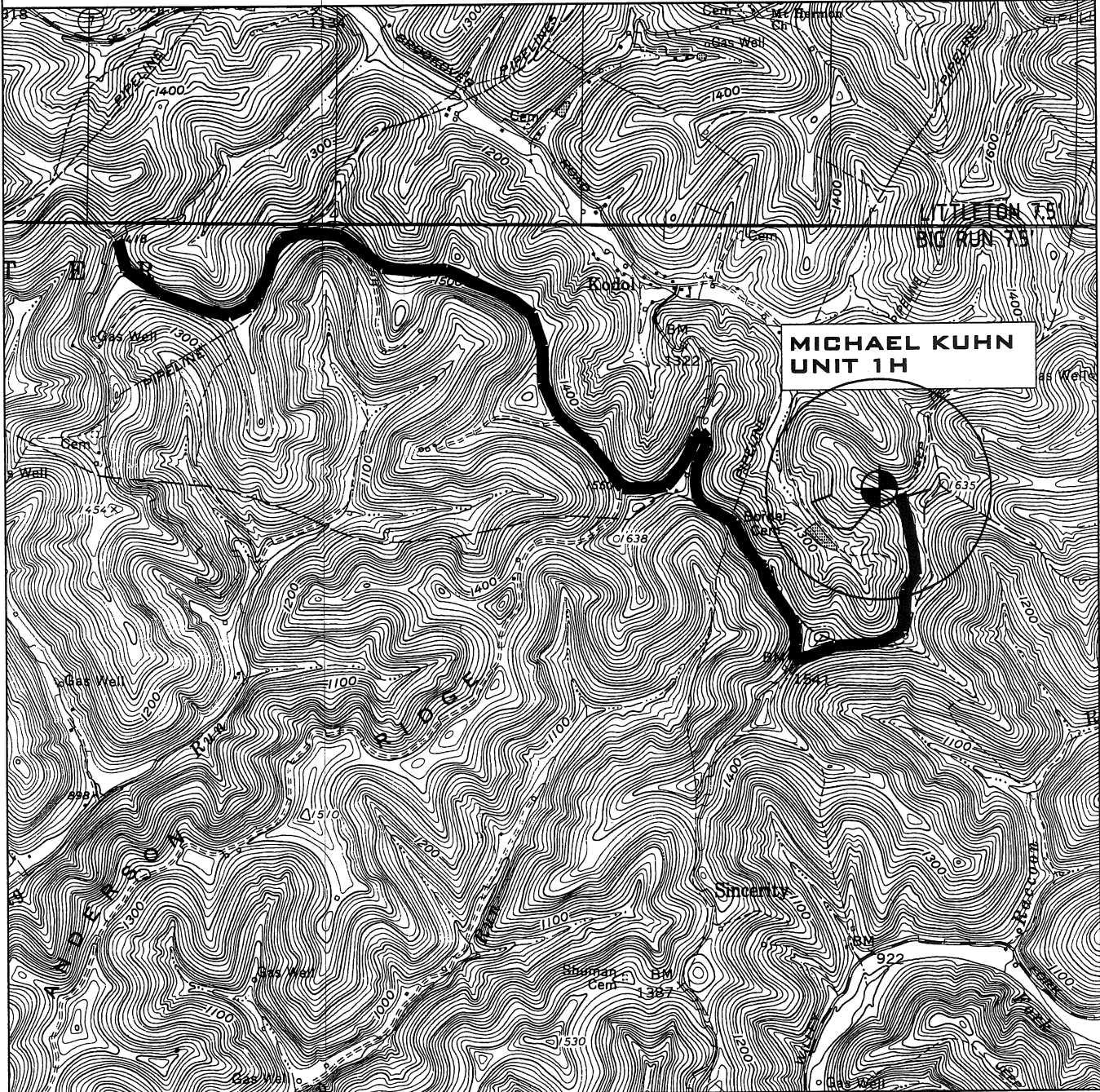
WELL OPERATOR GRENADIER ENERGY PARTNERS, LLC. DESIGNATED AGENT Dianna Stamper - CT CORPORATION
 ADDRESS 1610 WOODSTEAD CT, SUITE 330 THE WOODLANDS, TEXAS 77380 ADDRESS 707 VIRGINIA STREET EAST 15TH FLOOR CHARLESTON, WV 25301

WW9

PAGE OF

MICHAEL KUHN UNIT 1H

NO KNOWN WATER SAMPLE SITES WITHIN 1500 FEET



PREPARED BY:	OPERATOR	TOPO SECTION	WELL NAME
ANGLE RIGHT LAND SURVEYING, LLC PO BOX 681 GRANTSVILLE, WV 26147 (304) 354-0065	GRENADIER ENERGY PARTNERS, LLC. 1610 WOODSTEAD CT. SUITE 330 THE WOODLAND, TEXAS 77380	LITTLETON 7.5'	MICHAEL KUHN UNIT 1H
		SCALE:	DATE:
G110559		1"=2000'	11/10/11