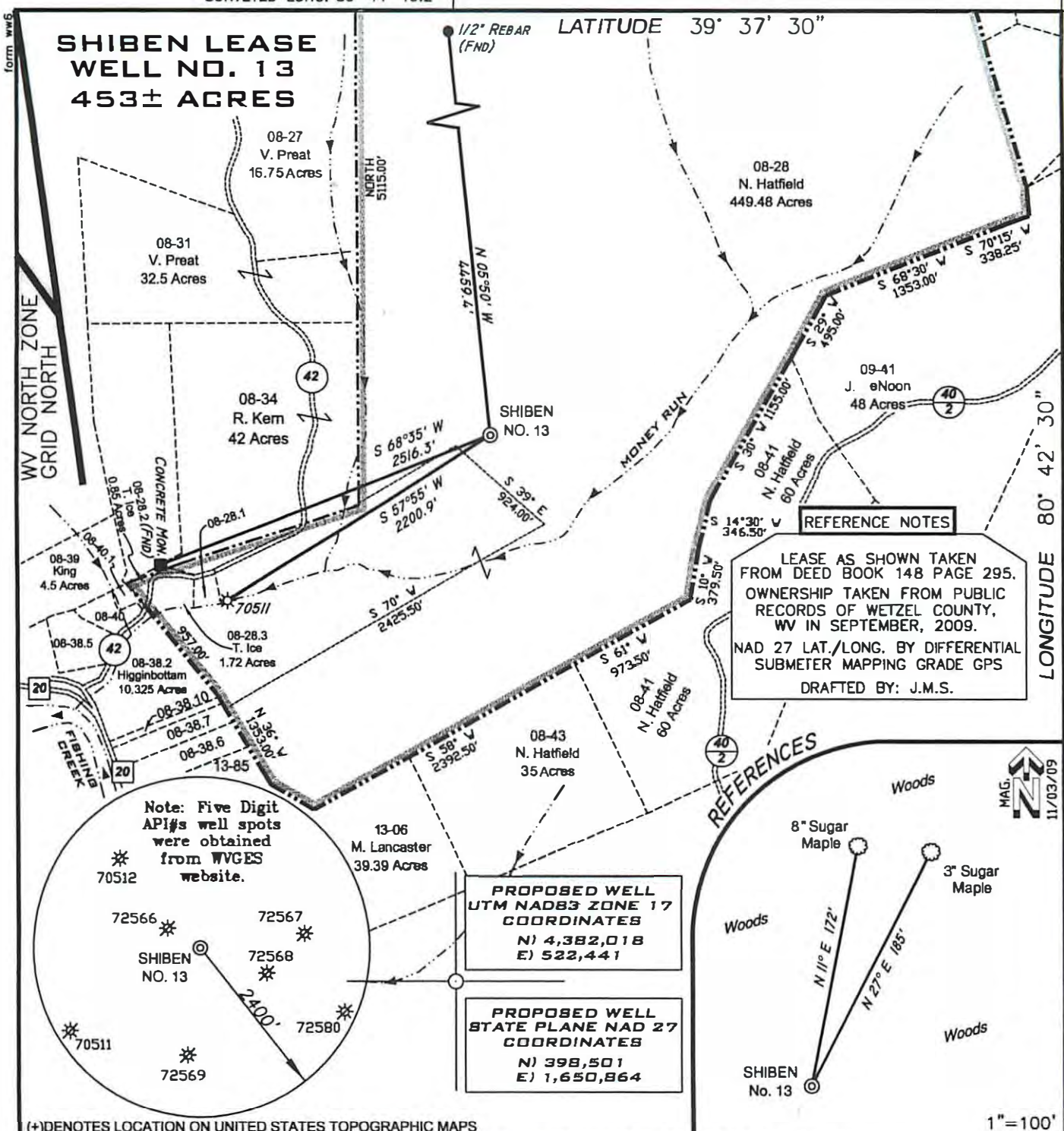


DECIMAL LONG: 80.73867
 SURVEYED LONG. 80° 44' 19.2"

8,600'

LATITUDE 39° 37' 30"

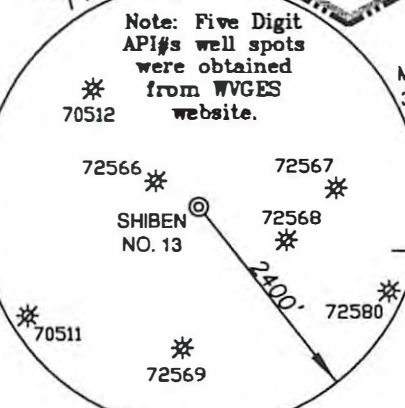
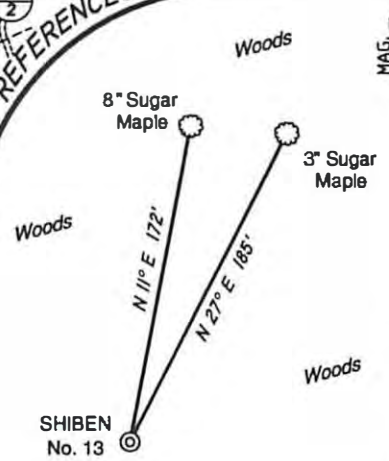
**SHIBEN LEASE
 WELL NO. 13
 453± ACRES**



REFERENCE NOTES

LEASE AS SHOWN TAKEN FROM DEED BOOK 148 PAGE 295. OWNERSHIP TAKEN FROM PUBLIC RECORDS OF WETZEL COUNTY, WV IN SEPTEMBER, 2009. NAD 27 LAT./LONG. BY DIFFERENTIAL SUBMETER MAPPING GRADE GPS. DRAFTED BY: J.M.S.

REFERENCES



Note: Five Digit API's well spots were obtained from WVGES website.

PROPOSED WELL UTM NAD83 ZONE 17 COORDINATES
 N) 4,382,018
 E) 522,441

PROPOSED WELL STATE PLANE NAD 27 COORDINATES
 N) 398,501
 E) 1,650,864

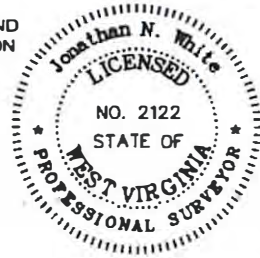
(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

1" = 100'

FILE NUMBER W090213 (WB 16-15)
 DRAWING NUMBER W090213_SHIBEN13_REV1
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION 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 PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION ON

P.S. 2122 *Jonathan N. White*



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

DATE: MAY 11, 2010

OPERATORS WELL NO. SHIBEN WELL NO. 13

API WELL NO. 47-103-02611
 STATE COUNTY PERMIT

CANCELLED

LOCATION ELEVATION 1126' WATERSHED MONEY RUN
 DISTRICT GREEN COUNTY WETZEL
 QUADRANGLE PINE GROVE 7.5' LEASE NUMBER

SURFACE OWNER NANCY B. HATFIELD ACREAGE 449.48
 OIL&GAS ROYALTY OWNER SHIBEN ESTATES, INC., ET AL LEASE ACREAGE 453

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

TARGET FORMATION MARCELLUS PLUG & ABANDON CLEAN OUT & REPLUG
 ESTIMATED DEPTH

WELL OPERATOR GASTAR EXPLORATION USA, INC. DESIGNATED AGENT WILLIAM M. HERLIHY
 ADDRESS 1331 LAMAR, SUITE 1080, HOUSTON, TX 77010 ADDRESS P.O. BOX 273, CHARLESTON, WV 25301-0273

LONGITUDE 80° 42' 30" SURVEYED LAT. 39° 35' 15.3" DECIMAL LAT. 39.58759

04/19/2013