

BROWNTON NO. 1 UNIT
546.608 AC. +/-

NAD 27 WV NORTH STATE PLANE COORDINATES:

North	East	Description
241136.30000'	1807616.95000'	BROWTEHS
239862.05854'	1806552.33157'	LANDING PT.
241109.23400'	1802265.05057'	BOTTOM HOLE

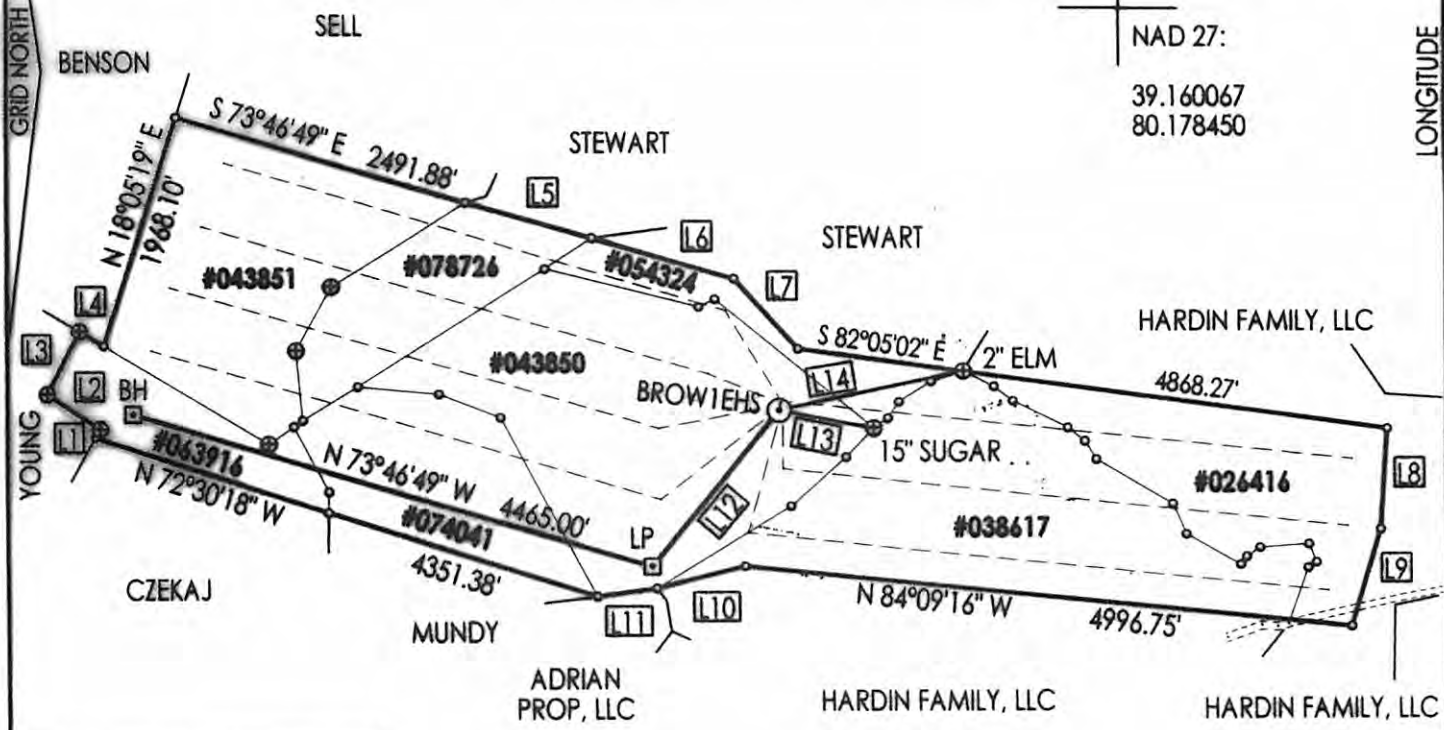
LATITUDE 39-10-00

SCALED COOR.:

3340' WEST
2410' SOUTH

NAD 27:

39.160067
80.178450



WELLS WITHIN 2400' OF BROWTEHS:

- N72-41W, 902' TO 001-01005
- N45-17W, 2175' TO 001-02856
- N10-24E, 2258' TO 001-00006
- N79-34E, 2429' TO 001-02857
- S60-49E, 2242' TO 001-00003
- S42-29E, 952' TO 001-02858
- S06-12W, 1778' TO 001-00846P

NAD 83 UTM ZONE 17 COOR. IN METERS:

BROWTEHS = 4,334,871.61 m 570,996.00 m
 LAND PT. = 4,334,478.01 m 570,678.10 m
 BOT. HOLE = 4,334,836.24 m 569,365.61 m

UNIT BREAKDOWN:

A. W. MODISSETTE	#063916	29.220 AC.	05.35%
H. D. STUART	#043851	90.981 AC.	16.64%
C. BENSON	#078726	40.662 AC.	07.44%
C. M. HICKMAN	#074041	51.432 AC.	09.41%
W. H. RYMER	#043850	133.626 AC.	24.44%
O. H. RYMER	#054324	22.026 AC.	04.03%
M. D. RILEY	#038617	112.258 AC.	20.54%
M. D. RILEY	#026416	66.403 AC.	12.15%

WELL REFERENCES:

S29-41E, 167.77' TO 6" B. ELDER
 S01-40W, 202.79' TO 8" W. ASH

Id	Bearing	Distance
L1	N 30°15'53" E	80.03'
L2	N 57°33'45" W	534.43'
L3	N 28°01'03" E	591.99'
L4	S 59°24'41" E	240.44'
L5	S 74°40'01" E	1077.20'
L6	S 74°25'46" E	1228.49'
L7	S 42°04'05" E	788.97'
L8	S 4°04'39" W	825.39'
L9	S 16°48'18" W	840.33'
L10	S 76°04'19" W	757.83'
L11	S 82°16'01" W	497.35'
L12	S 39°52'43" W	1660.45'
L13	N 79°23'38" W	798.51'
L14	S 77°51'42" W	1553.02'

FILE NUMBER:

DRAWING NUMBER: CGCBROWTEHS.PCS

SCALE: 1" = 1,600'

MINIMUM DEGREE OF ACCURACY: SUBMETER

PROVEN SOURCE OF ELEVATION: DGPS SURVEY

SUBMETER SYSTEM

I THE UNDERSIGNED, HEREBY STATE 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)

STEPHEN D. LOSH, P.S. #674



PLACE SEAL HERE

FORM WW-6

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 #10 McJUNKIN ROAD
 NIRO, WV 25143-2506

LAND SURVEYING SERVICES
 21 CEDAR LANE, BRIDGEPORT, WV 26330
 PHONE: 304-842-2018 OR 842-5762

DATE: NOVEMBER 01, 2010

OPERATOR'S WELL NO.: BROWTEHS

API WELL NO.

47 - 001 - 03194H

STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1,310' (399.29 m) WATERSHED ELK CREEK

DISTRICT ELK COUNTY BARBOUR

QUADRANGLE BROWNTON

LEASE NUMBER SEE ABOVE

SURFACE OWNER JOHNNY L. STEWART

ACREAGE 140.00 (10-06)

OIL & GAS ROYALTY OWNER M. D. RILEY, ET. AL. UNIT

LEASE ACREAGE 546.608

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

PLUG & ABANDON ___ CLEAN OUT & REPLUG ___

TARGET FORMATION MARCELLUS

ESTIMATED DEPTH TVD = 8100' TMD = 14600'

WELL OPERATOR CONSOL GAS COMPANY

DESIGNATED AGENT RICHARD K. ELSWICK

ADDRESS P. O. BOX 1248 JANE LEW, WV 26378

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11/07/2014

COUNTY NAME PERMIT