

BROWNTON NO. 1 UNIT
546.608 AC. +/-

NAD 27 WV NORTH STATE PLANE COORDINATES:

North	East	Description
241214.29000'	1807633.79000'	BROWTAHS
241973.57706'	1807169.98864'	LANDING PT.
243176.06091'	1803036.33921'	BOTTOM HOLE

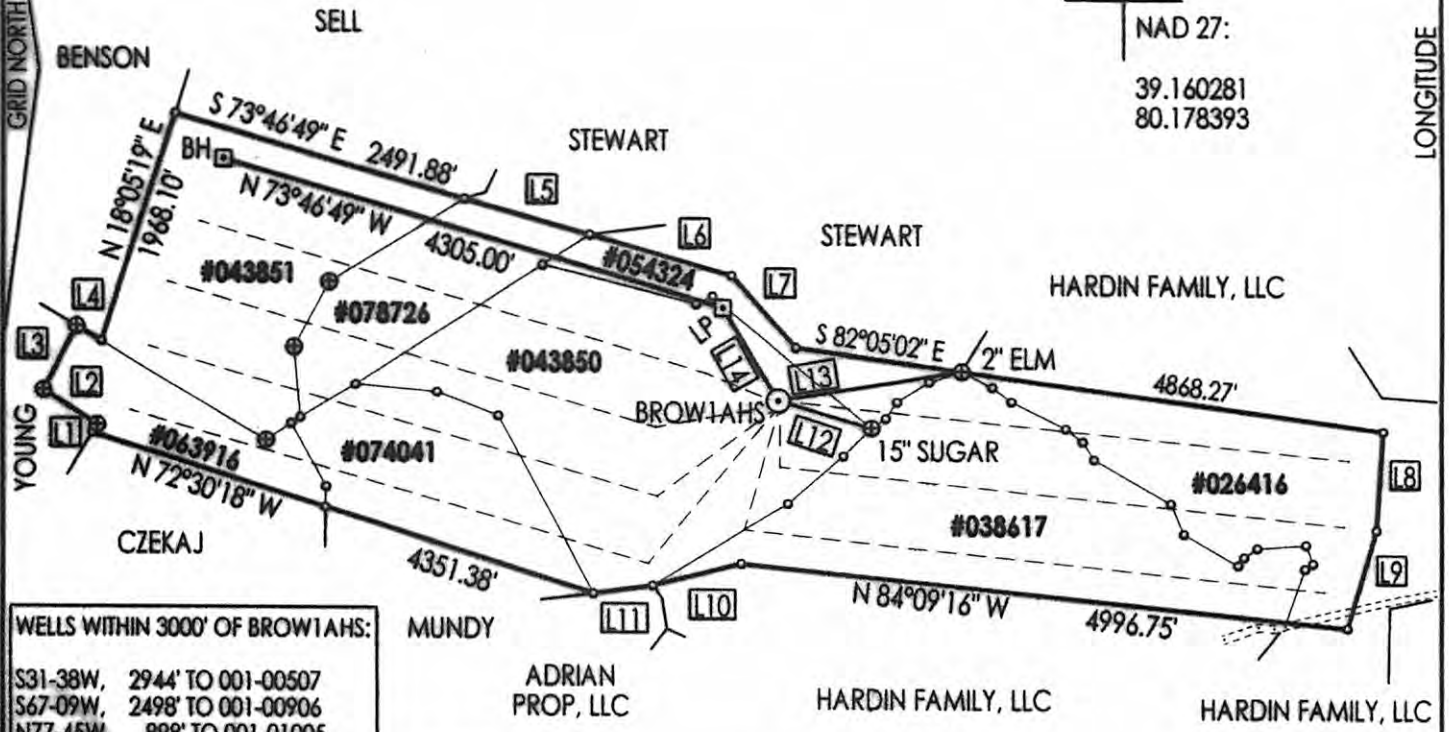
LATITUDE 39-10-00

SCALED COOR.:

3320' WEST
2330' SOUTH

NAD 27:

39.160281
80.178393



WELLS WITHIN 3000' OF BROWTAHS:

- S31-38W, 2944' TO 001-00507
- S67-09W, 2498' TO 001-00906
- N77-45W, 898' TO 001-01005
- N47-06W, 2133' TO 001-02856
- N14-07W, 2609' TO 001-00017P
- N10-21E, 2178' TO 001-00006
- N45-29E, 1333' TO 001-00011
- N81-20E, 2399' TO 001-02857
- S58-54E, 2266' TO 001-00003
- S38-45E, 1000' TO 001-02858
- S34-16E, 2871' TO 001-02982
- S06-27W, 1858' TO 001-00846P

NAD 83 UTM ZONE 17 COOR. IN METERS:

BROWTAHS = 4,334,895.46 m 571,000.74 m
 LAND PT. = 4,335,124.43 m 570,855.59 m
 BOT. HOLE = 4,335,469.83 m 569,590.13 m

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	N 73°40'28" W	800.30'
L13	S 80°35'59" W	1521.90'
L14	N 31°25'05" W	889.74'

UNIT BREAKDOWN:

Name	Well ID	Acres	%
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%

- ✓ NOTE: NO DEEP WELLS WITHIN 3000' OF BROWTAHS.
- ✓ NOTE: BROWTAHS IS OVER 400' TO ANY OUTER UNIT LINE.

WELL REFERENCES:

S13-52E, 227.08' TO 6" B. ELDER
 S06-40W, 279.37' TO 8" W. ASH

FILE NUMBER: _____

DRAWING NUMBER: CGCBROWTAHS.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

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

FORM WW-6

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

DATE: NOVEMBER 01, 2010

OPERATORS WELL NO.: BROWTAHS

API WELL NO. 47-001-03190H
 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

TARGET FORMATION MARCELLUS ESTIMATED DEPTH TV D = 8250' TMD = 13500'

WELL OPERATOR CONSOL GAS COMPANY DESIGNATED AGENT RICHARD K. ELSWICK

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

11/07/2014

00-10-00

LONGITUDE

COUNTY NAME

PERMIT