

7,838' T.H.

3,145' B.H.

LATITUDE(NAD'83) 39°17'30" T.H.
 LATITUDE(NAD'83) 39°15'00" B.H.

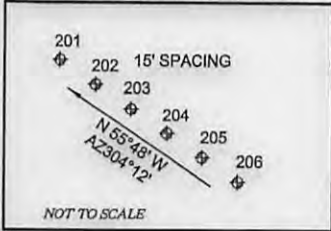
LONGITUDE(NAD'83) 80°02'30" B.H.

LONGITUDE(NAD'83) 80°02'30" B.H.

SHEME 205 WELL TIES

LINE	BEARING	DISTANCE
L1	N 09°15' E	1036.56'
L2	S 63°53' E	1634.30'
L3	N 45°20' E	1218.54'
L4	S 18°03' E	636.59'

SHEME WELL LAYOUT



LEGEND

LEASE LINE	---
SURFACE LINE	----
WELL LATERAL	-----
OFFSET LINE	-----
TIE LINE	-----
CREEK	~~~~~
ROAD	=====
FENCE LINE	-x-x-
COUNTY ROUTE	○-○-
STATE ROUTE	□-□-
PROPOSED WELL	⊕
EXISTING WELL	⊙
PERMITTED WELL	⊙

TRACT #	SURFACE OWNER	SURFACE ACREAGE	OIL & GAS LEASE #
15-29	DAVID & LUELLA BURTON	30±	00003947
12-45	MAR KEY, LLC	49.64±	00003514
12-46	THOMAS R. SHEME, JR.	18.36±	00003514
15-28	MAR KEY, LLC	26.39±	00003514
15-30	THOMAS R. SHEME, JR.	148.37±	00003514
15-42	JOHN & KAREN HYDE	198±	00004551-00004555
15-56	JACK & BEATRICE MARI	250.2±	00003835
7-12	W.V. BUREAU OF COMMERCE DNR, PLC	280.94±	00003583
		151.99±	00004268

TRACT #	SURFACE OWNER	SURFACE ACREAGE
7-12.1	STATE OF W.V.	1.87±
218-L	UNITED STATES OF AMERICA	RES. OF 40.73±
T	CONSERVATION COMMISSION OF WEST VIRGINIA	15.95±
15-54	RONNIE HELMONDOLLAR ET AL	201.50±

NAD'83 GRID NORTH

**ARSENAL RESOURCES
SHEME 205**

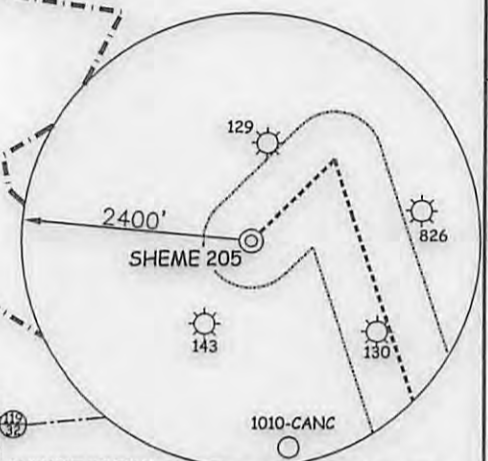
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'83 S.P.C.(FT) N. 281,273.9 E. 1,807,312.7
 NAD'83 GEO. LAT-(N) 39.270846 LONG-(W) 80.069351
 NAD'83 UTM (M) N. 4,347,246.0 E. 580,279.1
LANDING POINT
 NAD'83 S.P.C.(FT) N. 281,525.2 E. 1,808,376.7
 NAD'83 GEO. LAT-(N) 39.271554 LONG-(W) 80.065599
 NAD'83 UTM (M) N. 4,347,328.0 E. 580,602.0
BOTTOM HOLE
 NAD'83 S.P.C.(FT) N. 270,590.0 E. 1,811,941.1
 NAD'83 GEO. LAT-(N) 39.241592 LONG-(W) 80.052771
 NAD'83 UTM (M) N. 4,344,014.4 E. 581,743.3



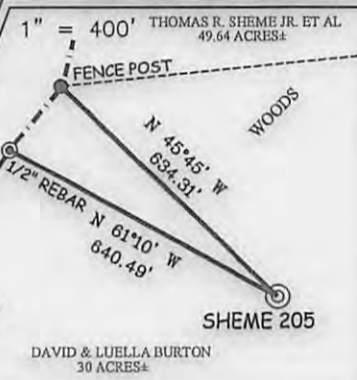
Land & Energy Development
 Solutions from the ground up.
 P.O. Box 150 • 12 Vanhorn Drive • Glenville, WV 26031 • (304) 462-5634
 www.slsurvey.com

NOTES ON SURVEY

1. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.



REFERENCES



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE MAY 22, 20 17
 REVISED _____, 20 ____
 OPERATORS WELL NO. SHEME 205
 API WELL NO. 47 - 091 - 01337
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8606P205R2.dwg
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 2000'

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

WELL TYPE: OIL ___ GAS X INJECTION ___ WASTE DISPOSAL ___ IF "GAS" PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 1384.60' (EXISTING) 1388.53' (PROPOSED) WATERSHED LONG RUN & RIGHT FORK OF SIMPSON CREEK
 DISTRICT COURTHOUSE COUNTY TAYLOR QUADRANGLE GRAFTON 7.5'

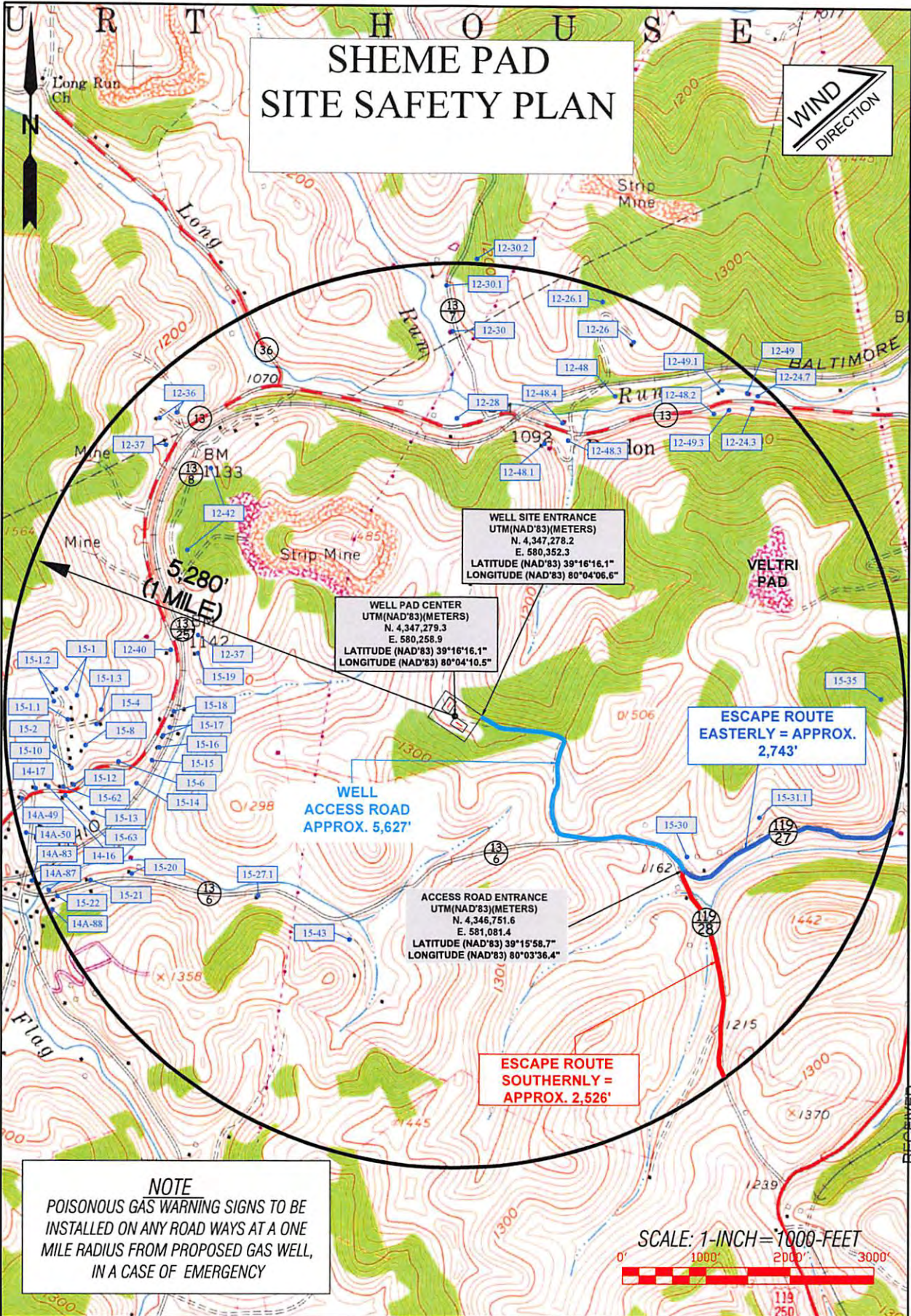
SURFACE OWNER DAVID & LUELLA BURTON ACREAGE 30±
 ROYALTY OWNER DAVID & LUELLA BURTON ET AL ACREAGE 30±
 PROPOSED WORK: LEASE NO. 00003947

DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ OTHER ___
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS
 ESTIMATED DEPTH 19,982' TMD / 7,888' TVD

WELL OPERATOR ARSENAL RESOURCES DESIGNATED AGENT WILLIAM VEIGEL
 ADDRESS 6031 WALLACE RD. EXT. SUITE 300 WEXFORD, PA 15090 ADDRESS 65 PROFESSIONAL PLACE BRIDGEPORT, WV 26330

COUNTY NAME
 PERMIT

10/20/2017



SHEME PAD SITE SAFETY PLAN



NOTE
POISONOUS GAS WARNING SIGNS TO BE INSTALLED ON ANY ROADWAYS AT A ONE MILE RADIUS FROM PROPOSED GAS WELL, IN A CASE OF EMERGENCY

WELL SITE ENTRANCE
UTM(NAD'83)(METERS)
N. 4,347,278.2
E. 580,352.3
LATITUDE (NAD'83) 39°16'16.1"
LONGITUDE (NAD'83) 80°04'06.6"

WELL PAD CENTER
UTM(NAD'83)(METERS)
N. 4,347,279.3
E. 580,258.9
LATITUDE (NAD'83) 39°16'16.1"
LONGITUDE (NAD'83) 80°04'10.5"

WELL ACCESS ROAD APPROX. 5,627'

ACCESS ROAD ENTRANCE
UTM(NAD'83)(METERS)
N. 4,346,751.6
E. 581,081.4
LATITUDE (NAD'83) 39°15'58.7"
LONGITUDE (NAD'83) 80°03'36.4"

ESCAPE ROUTE SOUTHERNLY = APPROX. 2,526'

ESCAPE ROUTE EASTERLY = APPROX. 2,743'



DRAWN BY: C.P.M.
FILE NO.: 8606
DATE: 04-03-17
CADD FILE: MORGESAFETYPLAN

TOPO SECTION OF:	
GRAFTON WV 7.5' QUADRANGLE	
COUNTY	DISTRICT
TAYLOR	COURTHOUSE

OPERATOR:
ARSENAL RESOURCES
65 Professional Place, Suite 200
Bridgeport, WV 26330

RECEIVED
Office of Oil and Gas
MAY 26 2017
WV Department of Environmental Protection

10/20/2017