

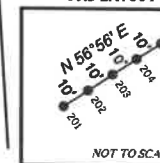
GAMELLI HSOG 202 WELL TIES

LINE	BEARING	DISTANCE	181
L1	S 70°13' W	1088.35'	181
L2	S 10°00' E	838.64'	
L3	S 20°11' E	2540.74'	
L4	S 17°58' E	7047.63'	

NOTES ON SURVEY

- 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.
- PLAT UPDATED TO SHOW AS-DRILLED PATH

GAMELLI HSOG PAD LAYOUT



LEGEND

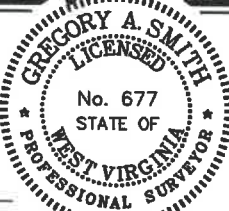
- LEASE LINE
- INTERIOR LEASE LINE
- SURFACE LEASE LINE
- WELL LATERAL
- OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- COUNTY ROUTE
- STATE ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- LEASE TAG



12 Vanborn Drive | P.O. Box 150 | Glen Dale, WV 26031 | 304.462.5654
 1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.348.3952
 254 East Beckley Bypass | Beckley, WV 25801 | 304.258.5296
 slsenv.com

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. 849 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE SEPTEMBER 17, 20 21

REVISED _____
 OPERATORS WELL NO. GAMELLI HSOG 202
 API WELL NO. 47 - 033 - 5932
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 8597P202AD.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 LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION EXISTING: 1,131.30' / PROPOSED: 1,140.50' WATERSHED BEARDS RUN
 DISTRICT SIMPSON COUNTY HARRISON QUADRANGLE ROSEMONT 7.5'
 SURFACE OWNER JAMES T. GAMELLI ET AL. ACREAGE 151.20±
 ROYALTY OWNER JAMES T. GAMELLI ET AL. ACREAGE 151.20±
 PROPOSED WORK: LEASE NO. _____
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE 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 2,283.2' TMD / 7,317' TVD

WELL OPERATOR ARSENAL RESOURCES DESIGNATED AGENT GARY SHORT
 ADDRESS 6031 WALLACE RD. EXT. SUITE 300 ADDRESS 633 WEST MAIN ST.
WEXFORD, PA 15090 BRIDGEPORT, WV 26330

ARSENAL RESOURCES
 GAMELLI HSOG 202 AS-DRILLED

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'83 S.P.C.(FT) N. 278,088.8 E. 1,769,086.3
 NAD'83 GEO. LAT-(N) 39.259072 LONG-(W) 80.204287
 NAD'83 UTM (M) N. 4,345,082.0 E. 568,648.5

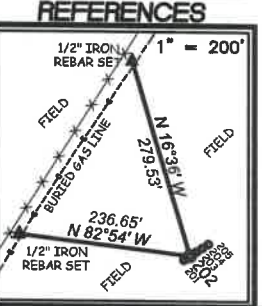
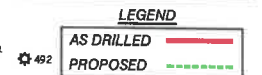
LANDING POINT

NAD'83 S.P.C.(FT) N. 277,282.8 E. 1,768,264.1
 NAD'83 GEO. LAT-(N) 39.259072 LONG-(W) 80.207164
 NAD'83 UTM (M) N. 4,345,826.2 E. 568,402.5

BOTTOM HOLE

NAD'83 S.P.C.(FT) N. 263,441.9 E. 1,773,033.7
 NAD'83 GEO. LAT-(N) 39.221229 LONG-(W) 80.189945
 NAD'83 UTM (M) N. 4,341,639.6 E. 569,925.6

TAG	SURFACE OWNER	TAXID	ACREAGE
A	JAMES T. GAMELLI ET AL.	330-28	151.20±
B	DEPOLO FAMILY TRUST	330-8.6	33.50±
C	SCOT S. DIERRINGER ET AL.	330-26	172.93±
D	SCOTT & LINDA DIERRINGER	330-7.1	57.45±
E	SARA L. SPURLOCK	330-7	97.19±
F	R. MARK & DIANA L. HACKETT	330-8	127.44±
G	CAROLYN S. CLEGHORN	331-4.2	85.83±
H	RONALD R. II & JODY A. CRIM	331-15	103.37±
I	DELLA R. & RANDALL RIFFLE	331-16	22.75±
J	ECOSYSTEM INVESTMENT PARTNERS III, LLC	331-16.1	2.00±
K	ECOSYSTEM INVESTMENT PARTNERS III, LLC	331-25.2	31.98±
L	ECOSYSTEM INVESTMENT PARTNERS III, LLC	331-25.1	27.30±
M	ECOSYSTEM INVESTMENT PARTNERS III, LLC	331-26	11.60±
N	ECOSYSTEM INVESTMENT PARTNERS III, LLC	331-25.4	1.03±
O	ECOSYSTEM INVESTMENT PARTNERS III, LLC	371-1	94.91±
P	ECOSYSTEM INVESTMENT PARTNERS III, LLC	371-1.2	19.59±
Q	ROGER P. II & MELISSA L. SUTTER	371-1.1	12.19±
R	ECOSYSTEM INVESTMENT PARTNERS III, LLC	371-7	162.57±
S	ECOSYSTEM INVESTMENT PARTNERS III, LLC	371-1.3	10.01±
T	ECOSYSTEM INVESTMENT PARTNERS III, LLC	371-7	162.57±
	ECOSYSTEM INVESTMENT PARTNERS III, LLC	371-8	71.65±



T.H. LONGITUDE 80°10'00" B.H. LONGITUDE 80°10'00"

COUNTY NAME HARRISON PERMIT

12/31/2021

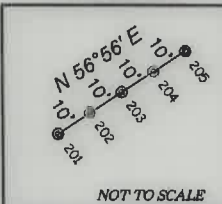
GAMELLI HSOG 202 WELL TIES

LINE	BEARING	DISTANCE
L1	S 70°13' W	1068.95'
L2	S 19°00' E	638.84'
L3	S 29°11' E	2549.74'
L4	S 17°56' E	7047.93'

NOTES ON SURVEY

- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS > 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 825' OF THE CENTER OF PROPOSED WELL PAD.
- PLAT UPDATED TO SHOW AS-DRILLED PATH

GAMELLI HSOG PAD LAYOUT



LEGEND

- LEASE LINE
- INTERIOR LEASE LINE
- SURFACE LINE
- WELL LATERAL
- OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- COUNTY ROUTE
- STATE ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- LEASE TAG

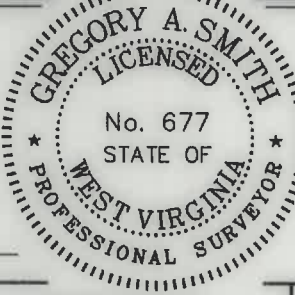
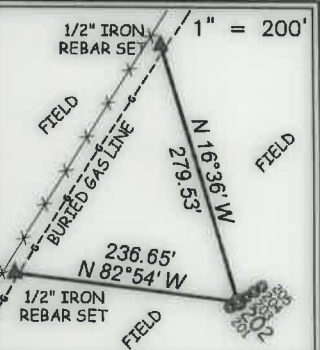
NAD'83 GRID NORTH

TAG	SURFACE OWNER	TAX MAP	ACREAGE
A	JAMES T. GAMELLI ET AL.	330-28	151.20±
B	DEPOLO FAMILY TRUST	330-8.6	33.50±
C	SCOT S. DIERINGER ET AL.	330-26	172.93±
D	SCOTT & LINDA DIERINGER	350-7.1	57.45±
E	SARA L. SPURLOCK	350-7	97.19±
F	R. MARK & DIANA L. HACKETT	350-18	127.84±
G	CAROLYN S. CLBGHORN	351-4.2	85.80±
H	RONALD R., II & JODY A. CRIM	351-15	100.37±
I	DELLA R. & RANDALL RIFLE	351-16	22.75±
J	ECOSYSTEM INVESTMENT PARTNERS III, LLC	351-16.1	2.00±
K	ECOSYSTEM INVESTMENT PARTNERS III, LLC	351-25.2	31.98±
L	ECOSYSTEM INVESTMENT PARTNERS III, LLC	351-25.1	27.30±
M	ECOSYSTEM INVESTMENT PARTNERS III, LLC	351-26	11.60±
N	ECOSYSTEM INVESTMENT PARTNERS III, LLC	351-25.4	1.03±
O	ECOSYSTEM INVESTMENT PARTNERS III, LLC	371-1	94.91±
P	ECOSYSTEM INVESTMENT PARTNERS III, LLC	371-1.2	19.59±
Q	ROGER P., II & MELISSA L. SUTER	371-1.1	12.19±
R	ECOSYSTEM INVESTMENT PARTNERS III, LLC	371-7	162.57±
S	ECOSYSTEM INVESTMENT PARTNERS III, LLC	371-1.3	10.01±
T	ECOSYSTEM INVESTMENT PARTNERS III, LLC	371-7	162.57±
		371-8	71.65±

LEGEND

- AS DRILLED
- PROPOSED

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. 849 *Gregory A. Smith*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE SEPTEMBER 17, 20 21

REVISED _____
OPERATORS WELL NO. GAMELLI HSOG 202
API WELL NO. 47 - 033 - 5932
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8597P202AD.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 EXISTING: 1,131.30' / PROPOSED: 1,140.50' WATERSHED BEARDS RUN
DISTRICT SIMPSON COUNTY HARRISON QUADRANGLE ROSEMONT 7.5'
SURFACE OWNER JAMES T. GAMELLI ET AL. ACREAGE 151.20±
ROYALTY OWNER JAMES T. GAMELLI ET AL. ACREAGE 151.20±
PROPOSED WORK: LEASE NO. 12/31/2021
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 22,283.2' TMD / 7,317' TVD

WELL OPERATOR ARSENAL RESOURCES DESIGNATED AGENT GARY SHORT
ADDRESS 6031 WALLACE RD. EXT. SUITE 300 WEXFORD, PA 15090 ADDRESS 633 WEST MAIN ST. BRIDGEPORT, WV 26330

COUNTY NAME PERMIT

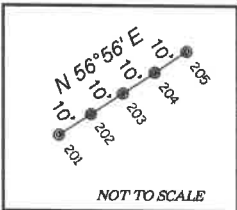
GAMELLI HSOG 202 WELL TIES

LINE	BEARING	DISTANCE
L1	S 70°13' W	1088.35'
L2	S 19°00' E	638.84'
L3	S 29°11' E	2549.74'
L4	S 17°56' E	7047.93'

NOTES ON SURVEY

- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS > 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 825' OF THE CENTER OF PROPOSED WELL PAD.
- PLAT UPDATED TO SHOW AS-DRILLED PATH

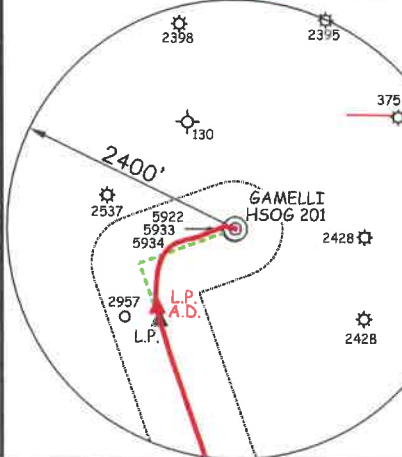
GAMELLI HSOG PAD LAYOUT



LEGEND

- LEASE LINE
- INTERIOR LEASE LINE
- SURFACE LINE
- WELL LATERAL
- OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- COUNTY ROUTE
- STATE ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- LEASE TAG

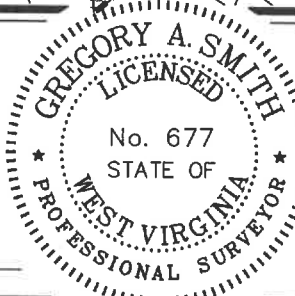
NAD'83 GRID NORTH



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
 1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
 254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5298
 slsvw.com

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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. 849 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE SEPTEMBER 17, 20 21

REVISED _____ OPERATORS WELL NO. GAMELLI HSOG 202

API WELL NO. 47 - 033 - 5932
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8597P202AD.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 EXISTING: 1,131.30' / PROPOSED: 1,140.50' WATERSHED BEARDS RUN DISTRICT SIMPSON COUNTY HARRISON QUADRANGLE ROSEMONT 7.5'

SURFACE OWNER JAMES T. GAMELLI ET AL. ACREAGE 151.20± ROYALTY OWNER JAMES T. GAMELLI ET AL. ACREAGE 151.20±

PROPOSED WORK: 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 22,283.2' TMD / 7,317' TVD

WELL OPERATOR ARSENAL RESOURCES DESIGNATED AGENT GARY SHORT ADDRESS 6031 WALLACE RD. EXT. SUITE 300 WEXFORD, PA 15090 ADDRESS 633 WEST MAIN ST. BRIDGEPORT, WV 26330

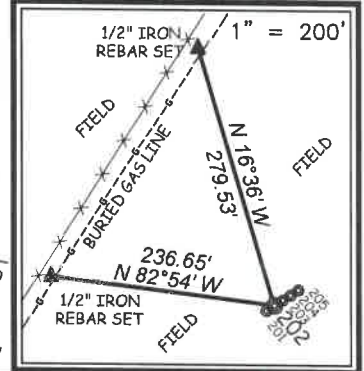
ARSENAL RESOURCES GAMELLI HSOG 202 AS-DRILLED

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'83 S.P.C.(FT) N. 278,088.8 E. 1,769,085.3
 NAD'83 GEO. LAT-(N) 39.261357 LONG-(W) 80.204287
 NAD'83 UTM (M) N. 4,346,082.0 E. 568,648.5
 LANDING POINT
 NAD'83 S.P.C.(FT) N. 277,262.8 E. 1,768,264.1
 NAD'83 GEO. LAT-(N) 39.259072 LONG-(W) 80.207184
 NAD'83 UTM (M) N. 4,345,826.2 E. 568,402.5
 BOTTOM HOLE
 NAD'83 S.P.C.(FT) N. 263,441.9 E. 1,773,033.7
 NAD'83 GEO. LAT-(N) 39.221229 LONG-(W) 80.189945
 NAD'83 UTM (M) N. 4,341,639.6 E. 569,925.6

TAG	SURFACE OWNER	TAX MAP	ACREAGE
A	JAMES T. GAMELLI ET AL.	330-28	151.20±
B	DEPOLO FAMILY TRUST	330-8.6	33.50±
C	SCOTT S. DIERINGER ET AL.	330-26	172.93±
D	SCOTT & LINDA DIERINGER	350-7.1	57.45±
E	SARA L. SPURLOCK	350-7	97.19±
F	R. MARK & DIANA L. HACKETT	350-18	127.84±
G	CAROLYN S. CLEGHORN	351-4.2	85.80±
H	RONALD R., II & JODY A. CRIM	351-15	100.37±
I	DELLA R. & RANDALL RIFFLE	351-16	22.75±
J	ECOSYSTEM INVESTMENT PARTNERS III, LLC	351-16.1	2.00±
K	ECOSYSTEM INVESTMENT PARTNERS III, LLC	351-25.2	31.98±
L	ECOSYSTEM INVESTMENT PARTNERS III, LLC	351-25.1	27.30±
M	ECOSYSTEM INVESTMENT PARTNERS III, LLC	351-26	11.60±
N	ECOSYSTEM INVESTMENT PARTNERS III, LLC	351-25.4	1.03±
O	ECOSYSTEM INVESTMENT PARTNERS III, LLC	371-1	94.91±
P	ECOSYSTEM INVESTMENT PARTNERS III, LLC	371-1.2	19.59±
Q	ROGER P., II & MELISSA L. SUTER	371-1.1	12.19±
R	ECOSYSTEM INVESTMENT PARTNERS III, LLC	371-7	162.57±
S	ECOSYSTEM INVESTMENT PARTNERS III, LLC	371-1.3	10.01±
T	ECOSYSTEM INVESTMENT PARTNERS III, LLC	371-8	71.65±

- AS DRILLED
- PROPOSED

REFERENCES



T.H. LONGITUDE 80°10'00" B.H. LONGITUDE 80°10'00"

11,040' T.H. A.D.

COUNTY NAME PERMIT