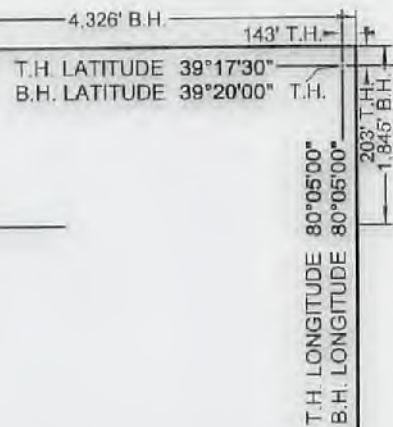


**ARMSTRONG II LEASE
WELL NO. 215
ARSENAL RESOURCES**



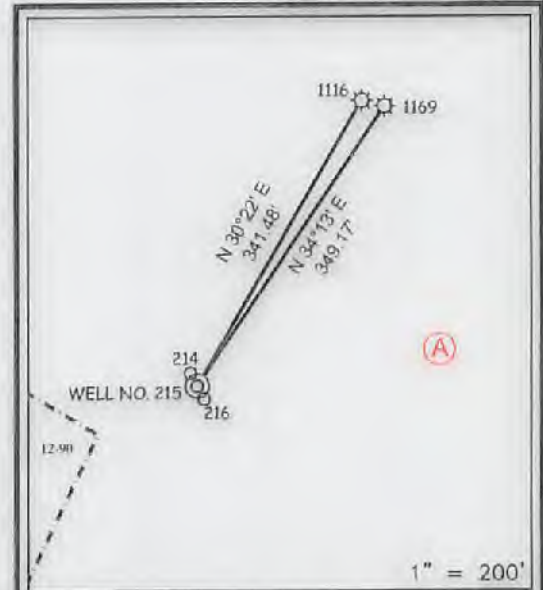
ARMSTRONG II- 215			
TAG	SURFACE OWNER	PARCEL	ACRES
A	ROBERT & JULIE ARMSTRONG	5-12-1	65.375
B	ARK LAND LLC	5-9-58	91.45
C	ARK LAND COMPANY	5-13-71.3	27.52
D	COALQUEST DEVELOPMENT LLC (C/O ARK LAND CO.)	5-9-57.1	120
E	ARK LAND COMPANY	5-8-14	17
F	ARK LAND LLC	5-8-19	42.23
G	ARK LAND LLC	5-8-18	73.50
H	STATE OF W.V. INDUSTRIAL SCHOOL FOR BOYS	5-5-15	913.69
I	TIMOTHY R GERARD ET AL	5-5-14	15.63

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

NAD'83 S.P.C.(FT)	N. 288,680.62	E. 1,803,259.86
NAD'83 GEO.	LAT-(N) 39.291109	LONG-(W) 80.083837
NAD'83 UTM (M)	N. 4,349,482.13	E. 579006.70
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 289,459.5	E. 1,803,580.8
NAD'83 GEO.	LAT-(N) 39.293253	LONG-(W) 80.092722
NAD'83 UTM (M)	N. 4,349,721.0	E. 579,100.5
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 302,242.4	E. 1,799,164.4
NAD'83 GEO.	LAT-(N) 39.328269	LONG-(W) 80.098628
NAD'83 UTM (M)	N. 4,353,593.3	E. 577,690.2

ADJOINING SURFACE OWNER	PARCEL	ACRES
ROBERT L CARPENTER JR ET AL	5-12-3	117.94
HARRY V & PATRICIA J JOHNSON	5-12-33.1	89.30
MARIE ELEANOR QUEEN	5-12-35.2	2
DONNA R GOODNOW	5-12-34.1	4.825
ROBERT L & JULIE A ARMSTRONG	5-12-90	5
JOSEPH & LACEY N FREY	5-13 71.2	8.35
TRINA F RAGER ET AL	5-13-71	22.25
TRINA F RAGER ET AL	5-8-24	35.36
HAROLD THOMAS & MARY LOU ADKINS	5-8-22	34.77
DAYTON W & RUTH A GREEN C/O ARK LAND LLC	5-8-21	66.95
ARK LAND LLC	5-8-15	106.82
ARK LAND LLC	5-8-20	23
LARRY MCDANIEL (HEIRS) IN C/O MICHAEL E MCDANIEL	5-5-13	4.98
TAYLOR COUNTY FAIR ASSOCIATION	5-5-15.1	54.5
STATE OF WEST VIRGINIA (WV DEPT OF AGRICULTURE)	5-5-15.4	2.84
TAYLOR COUNTY FAIR ASSOCIATION	5-5-15.2	3.2
MARK A CURREY	5-4-15	108.46
ARK LAND LLC	5-9-1	74
COALQUEST DEVELOPMENT LLC (C/O ARK LAND CO)	5-9-57	118
COALQUEST DEVELOPMENT LLC (C/O ARK LAND CO)	5-9-56	55.75
COALQUEST DEVELOPMENT LLC (C/O ARK LAND CO)	5-9-63.3	85.45
ARK LAND COMPANY	5-9-59	28.50
ARK LAND COMPANY	5-9-61	4
ARK LAND LLC	5-9-60	50.02

REFERENCES



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.
- WELL SPOT CIRCLE & TOPO MARK SCALE ARE 1" = 2000'
- THERE IS ONE (1) HOUSE TRAILER AND ONE (1) HUNTING CABIN WITHIN WITHIN 625 FEET. NEITHER STRUCTURE APPEAR TO BE OCCUPIED AND THE HOUSE TRAILER APPEARS TO BE DILAPIDATED.



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1000 10th Street, Suite 100, Charleston, WV 25301 | 304.263.1111
www.sls.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. 677 Gregory A. Smith

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 DATE SEPTEMBER 28, 20 21
 REVISED _____, 20 ____
 OPERATORS WELL NO. 215
 API WELL NO. 47 - 091 - 01364
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9111-Arsenal-SURV-Plat215-R00-210909-CPM.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: GROUND = 1291.10' ELEVATION PROPOSED = 1293.72' WATERSHED LONG RUN
 DISTRICT COURTHOUSE COUNTY TAYLOR QUADRANGLE GRAFTON

SURFACE OWNER ROBERT L. & JULIE A. ARMSTRONG ACREAGE 65.375±
 ROYALTY OWNER ROBERT L. & JULIE A. ARMSTRONG ET AL ACREAGE 162.03
 PROPOSED WORK: LEASE NO. SEE WW-6A1

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

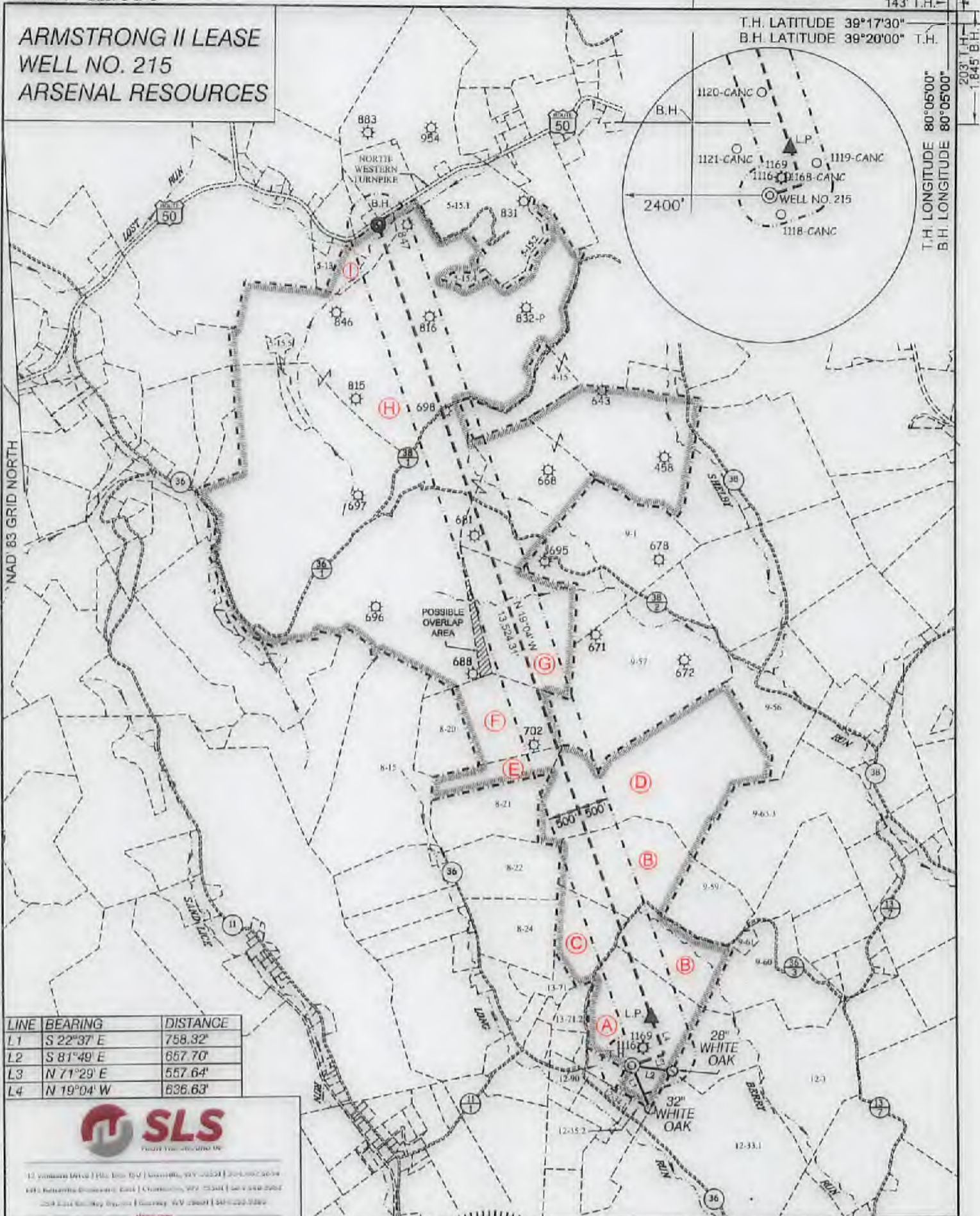
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS
 ESTIMATED DEPTH TMD 21,712 / TVD 7,764'

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

COUNTY NAME
 PERMIT

12/03/2021

**ARMSTRONG II LEASE
WELL NO. 215
ARSENAL RESOURCES**



LINE	BEARING	DISTANCE
L1	S 22°37' E	758.32'
L2	S 81°49' E	657.70'
L3	N 71°29' E	557.64'
L4	N 19°04' W	636.63'



11 Yonkers Blvd | P.O. Box 154 | Summit, WV 26034 | 204.262.2634
 691 Beckwith Crossing East | Charleston, WV 25301 | 204.248.2982
 254 East Kentucky Avenue | Hurricane, WV 26037 | 204.222.2222
www.sls.com

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

NAD'83 S.P.C. (FT)	N. 288,680.62	E. 1,803,259.68
NAD'83 GEO.	LAT-(N) 39.291109	LONG-(W) 80.083837
NAD'83 UTM (M)	N. 4,349,482.13	E. 679,006.70

LANDING POINT

NAD'83 S.P.C. (FT)	N. 288,459.6	E. 1,803,580.6
NAD'83 GEO.	LAT-(N) 39.293253	LONG-(W) 80.082722
NAD'83 UTM (M)	N. 4,349,721.0	E. 679,100.5

BOTTOM HOLE

NAD'83 S.P.C. (FT)	N. 302,242.4	E. 1,799,164.4
NAD'83 GEO.	LAT-(N) 39.328269	LONG-(W) 80.098628
NAD'83 UTM (M)	N. 4,353,593.3	E. 677,690.2



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

P.S. 677 *Gregory A. Smith*

LEGEND

- LEASE LINE
- SURFACE LINE
- WELL LATERAL
- OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- COUNTY ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- TAX MAP-PARCEL
- SURFACE OWNER (SEE TABLE)
- LEASE # (SEE WW-6A1)

SCALE 1" = 2000' FILE NO. 911Edenval-SURV-PW6215-103-210909-DPM.dwg

DATE SEPTEMBER 28 20 21

REVISED _____ 20 _____

OPERATORS WELL NO. 215

API WELL NO. 47 - 091 - 01364

STATE PA COUNTY WEXFORD PERMIT 01364

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

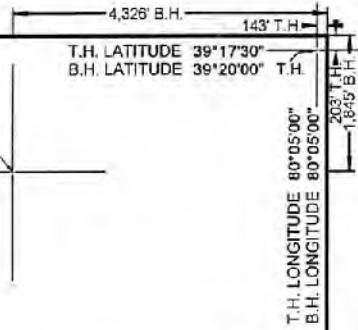
WELL OPERATOR <u>ARSENAL RESOURCES</u>	DESIGNATED AGENT <u>GARY SHORT</u>
ADDRESS <u>6031 WALLACE RD. EXT. SUITE 300</u> <u>WEXFORD, PA 15090</u>	ADDRESS <u>633 WEST MAIN STREET</u> <u>BRIDGEPORT, WV 26330</u>

COUNTY NAME _____ PERMIT _____

12/03/2021

Attachment "A1"

**ARMSTRONG II LEASE
WELL NO. 215
ARSENAL RESOURCES**



ARMSTRONG II- 215			
TAG	SURFACE OWNER	PARCEL	ACRES
A	ROBERT & JULIE ARMSTRONG	5-12-1	65.375
B	ARK LAND LLC	5-9-58	91.45
C	ARK LAND COMPANY	5-12-71.3	27.52
D	COALQUEST DEVELOPMENT LLC (C/O ARK LAND CO.)	5-9-57.1	120
E	ARK LAND COMPANY	5-8-14	17
F	ARK LAND LLC	5-8-19	42.23
G	ARK LAND LLC	5-8-18	73.50
H	STATE OF W. V. INDUSTRIAL SCHOOL FOR BOYS	5-5-15	913.69
I	TIMOTHY R GERARD ET AL.	5-5-14	15.63

(S P C NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'83 S.P.C.(FT) N. 288,680.62 E. 1,803,259.68
 NAD'83 GEO. LAT-(N) 39.291109 LONG-(W) 80.083837
 NAD'83 UTM (M) N. 4,349,482.13 E. 578006.70

LANDING POINT
 NAD'83 S.P.C.(FT) N. 289,459.5 E. 1,803,580.6
 NAD'83 GEO. LAT-(N) 39.293253 LONG-(W) 80.082722
 NAD'83 UTM (M) N. 4,349,721.0 E. 579,100.5

BOTTOM HOLE
 NAD'83 S.P.C.(FT) N. 302,242.4 E. 1,799,164.4
 NAD'83 GEO. LAT-(N) 39.328269 LONG-(W) 80.086626
 NAD'83 UTM (M) N. 4,353,593.3 E. 577,690.2

ADJOINING SURFACE OWNER	PARCEL	ACRES
ROBERT L CARPENTER JR ET AL.	5-12-3	117.94
HARRY V & PATRICIA J JOHNSON	5-12-33.1	89.30
MARIE ELEANOR QUEEN	5-12-35.2	2
DONNA R GOODNOW	5-12-34.1	4.825
ROBERT L & JULIE A ARMSTRONG	5-12-90	5
JOSEPH & LACEY N FREY	5-13-71.2	8.35
TRINA F RAGER ET AL.	5-13-71	22.25
TRINA F RAGER ET AL.	5-8-24	35.56
HAROLD THOMAS & MARY LOU ADKINS	5-8-22	34.77
DAYTON W & RUTH A GREEN C/O ARK LAND LLC	5-8-21	66.95
ARK LAND LLC	5-8-15	106.82
ARK LAND LLC	5-8-20	23
LARRY MCDANIEL (HEIRS) IN C/O MICHAEL E MCDANIEL	5-5-13	4.98
TAYLOR COUNTY FAIR ASSOCIATION	5-5-15.1	54.5
STATE OF WEST VIRGINIA (WV DEPT OF AGRICULTURE)	5-5-15.4	2.84
TAYLOR COUNTY FAIR ASSOCIATION	5-5-15.2	3.2
MARK A CURREY	5-4-15	108.46
ARK LAND LLC	5-9-1	74
COALQUEST DEVELOPMENT LLC (C/O ARK LAND CO)	5-9-57	118
COALQUEST DEVELOPMENT LLC (C/O ARK LAND CO.)	5-9-56	55.75
COALQUEST DEVELOPMENT LLC (C/O ARK LAND CO)	5-9-63.3	85.45
ARK LAND COMPANY	5-9-59	28.50
ARK LAND COMPANY	5-9-61	4
ARK LAND LLC	5-9-60	50.02

REFERENCES



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.
2. WELL SPOT CIRCLE & TOP MARK SCALE ARE 1"=2000'
3. THERE IS ONE (1) HOUSE TRAILER AND ONE (1) HUNTING CABIN WITHIN WITHIN 625 FEET. NEITHER STRUCTURE APPEAR TO BE OCCUPIED AND THE HOUSE TRAILER APPEARS TO BE DILAPIDATED.

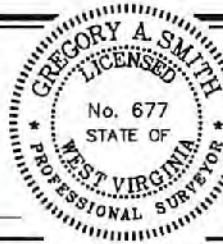


17 Northern Drive | P.O. Box 190 | Glenville, WV 26030 | 804.462.5834
 1412 Kanawha Boulevard, East | Charleston, WV 25310 | 204.434.8952
 254 East Buckley Byway | Beckley, WV 26001 | 204.255.0308
 www.sls.com

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.
677

Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

DATE SEPTEMBER 26 20 21
 REVISED _____, 20 ____
 OPERATORS WELL NO. 215
 API WELL NO. 47 - 091 - 01364
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9111-Arsenal-SURV-Plat15-R002-10909-CPM.ewg
 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 _____ WASTE _____ IF _____
 TYPE: OIL _____ GAS _____ LIQUID _____ WASTE _____ IF _____
 INJECTION _____ DISPOSAL _____ "GAS" PRODUCTION _____ X STORAGE _____ DEEP _____ SHALLOW _____ X

LOCATION: GROUND = 1291.10'
 ELEVATION PROPOSED = 1293.72' WATERSHED _____ LONG RUN _____
 DISTRICT COURTHOUSE COUNTY TAYLOR QUADRANGLE GRAFTON

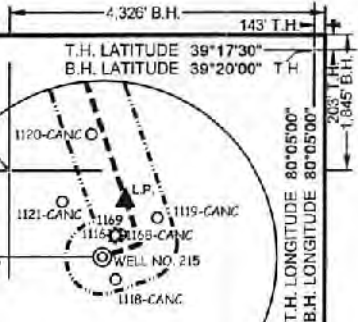
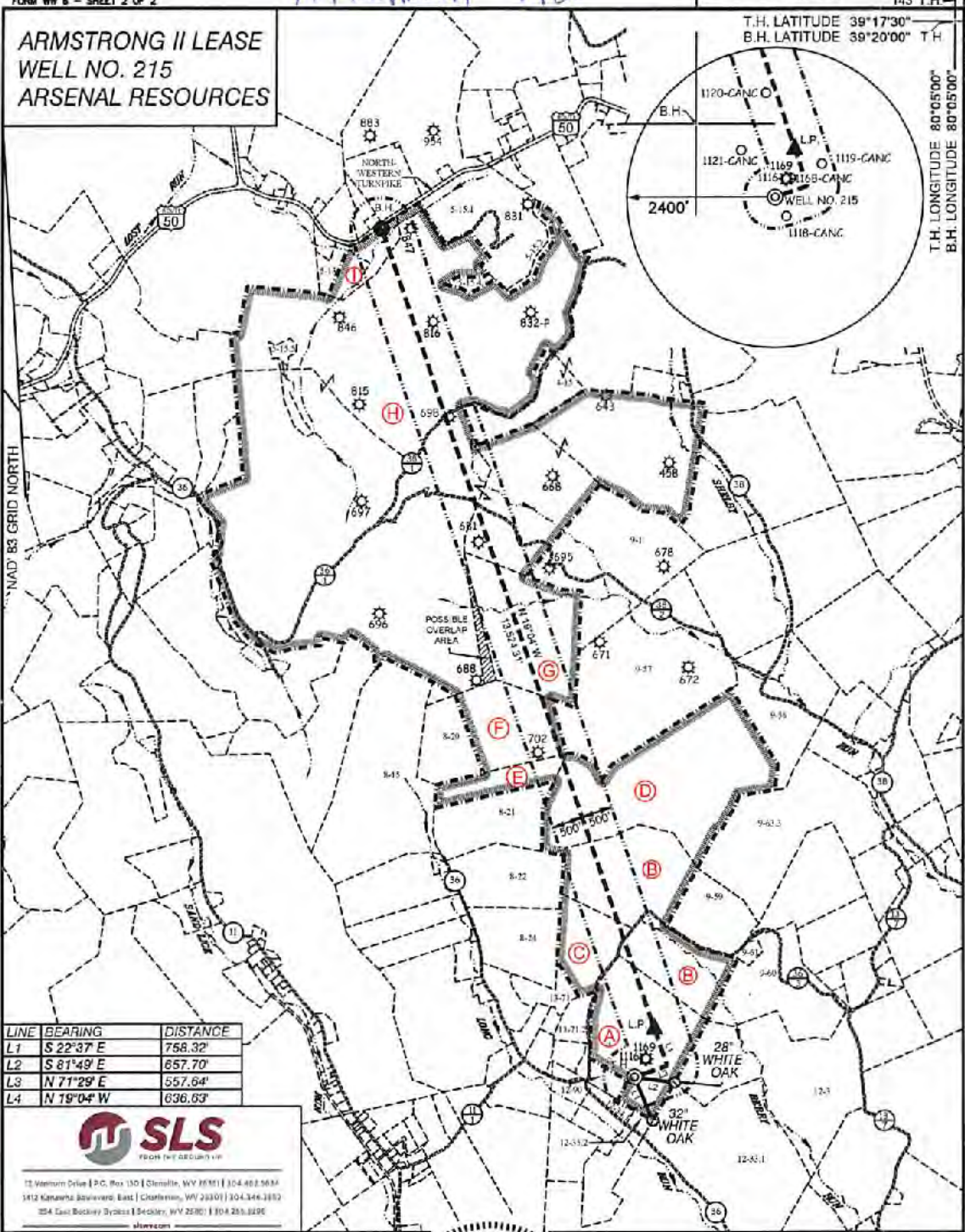
SURFACE OWNER ROBERT L. & JULIE A. ARMSTRONG ACREAGE 65.375±
 ROYALTY OWNER ROBERT L. & JULIE A. ARMSTRONG ET AL ACREAGE 65.375±
 PROPOSED WORK: LEASE NO. SEE WW-6A1
 DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X PLUG OFF OLD _____
 FORMATION _____ PERFORATE NEW FORMATION _____ PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____ OTHER _____
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS
 ESTIMATED DEPTH TMD 21,712 / TVD 7,754'

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

12/08/2021

Attachment "A2"

**ARMSTRONG II LEASE
WELL NO. 215
ARSENAL RESOURCES**



LINE	BEARING	DISTANCE
L1	S 22°37' E	758.32'
L2	S 81°49' E	657.70'
L3	N 71°29' E	557.64'
L4	N 19°04' W	636.63'



11 Western Drive | P.O. Box 130 | Clonville, WV 26031 | 304.483.5634
 1812 Kanawha Boulevard East | Charleston, WV 25301 | 304.344.1833
 224 East Beckley Drive | Beckley, WV 26001 | 304.255.8296
 sls.com

(S.P.C. NORTH ZONE) (UTM/M) ZONE 17 NORTH			
NAD83 S.P.C.(FT)	N. 285,680.62	E. 1,803,259.89	
NAD83 GEO.	LAT.(N) 39.2911109	LONG.(W) 80.082337	
NAD83 UTM (M)	N. 4,345,482.13	E. 579,000.70	
LANDING POINT			
NAD83 S.P.C.(FT)	N. 289,459.5	E. 1,803,580.8	
NAD83 GEO.	LAT.(N) 39.293253	LONG.(W) 80.082722	
NAD83 UTM (M)	N. 4,345,721.0	E. 579,100.5	
BOTTOM HOLE			
NAD83 S.P.C.(FT)	N. 302,242.4	E. 1,799,164.4	
NAD83 GEO.	LAT.(N) 39.328269	LONG.(W) 80.088528	
NAD83 UTM (M)	N. 4,353,593.3	E. 577,890.2	



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

P.S. 677 *Gregory A. Smith*

SCALE 1" = 2000' FILE NO. 011-Arsenal-0207-Phd215-800-210004-CPM-349

DATE SEPTEMBER 28, 20 21
 REVISED _____, 20 _____

OPERATORS WELL NO. 215
 API WELL 47
 NO. STATE COUNTY PERMIT

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

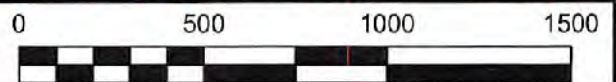
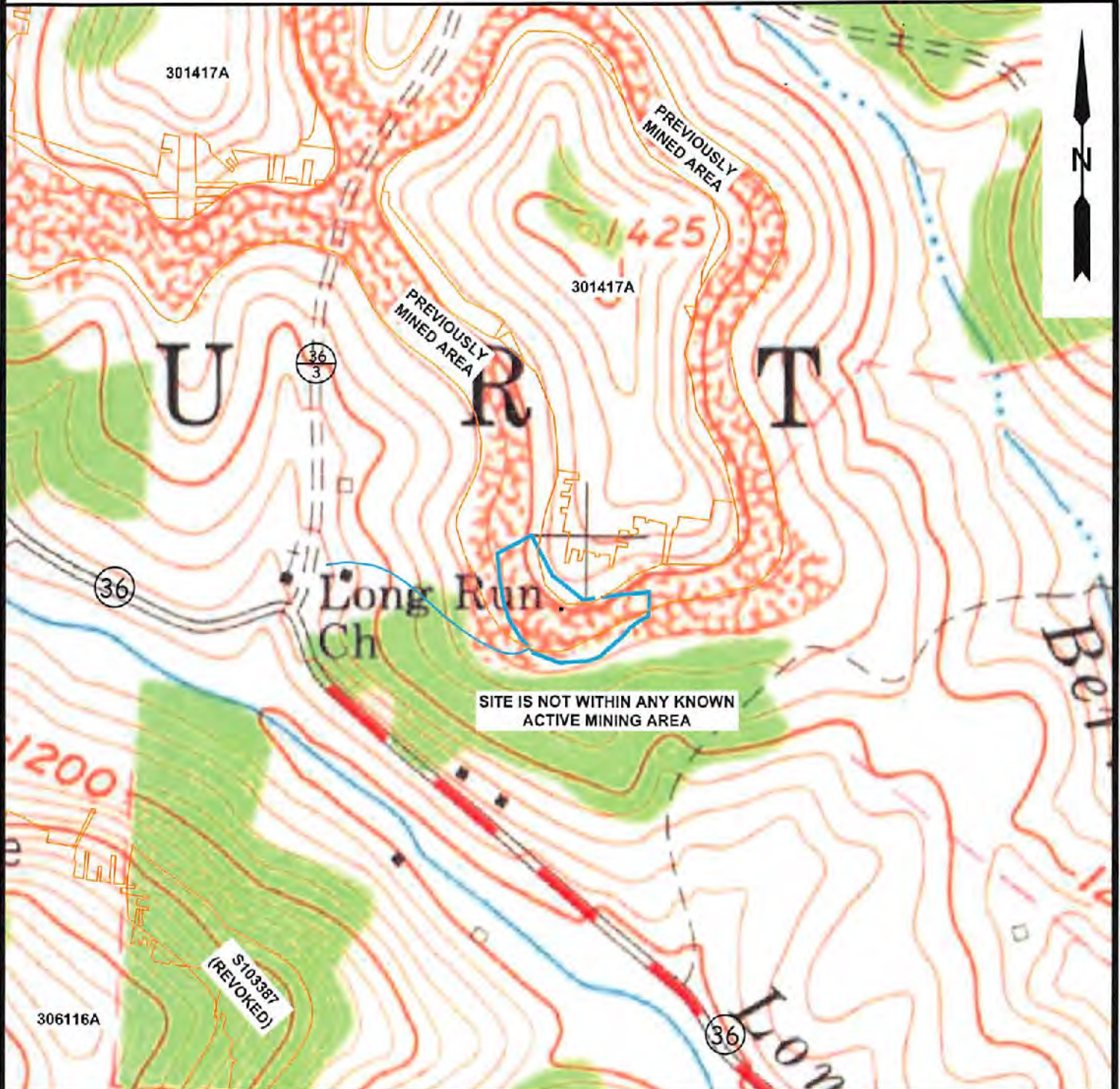
LEGEND

- LEASE LINE
- SURFACE LINE
- WELL LATERAL
- OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- COUNTY ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- TAX MAP-PARCEL
- SURFACE OWNER (SEE TABLE)
- LEASE # (SEE WW-6A1)

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

12/03/2021

PROPOSED ARMSTRONG II COAL PERMIT MAP

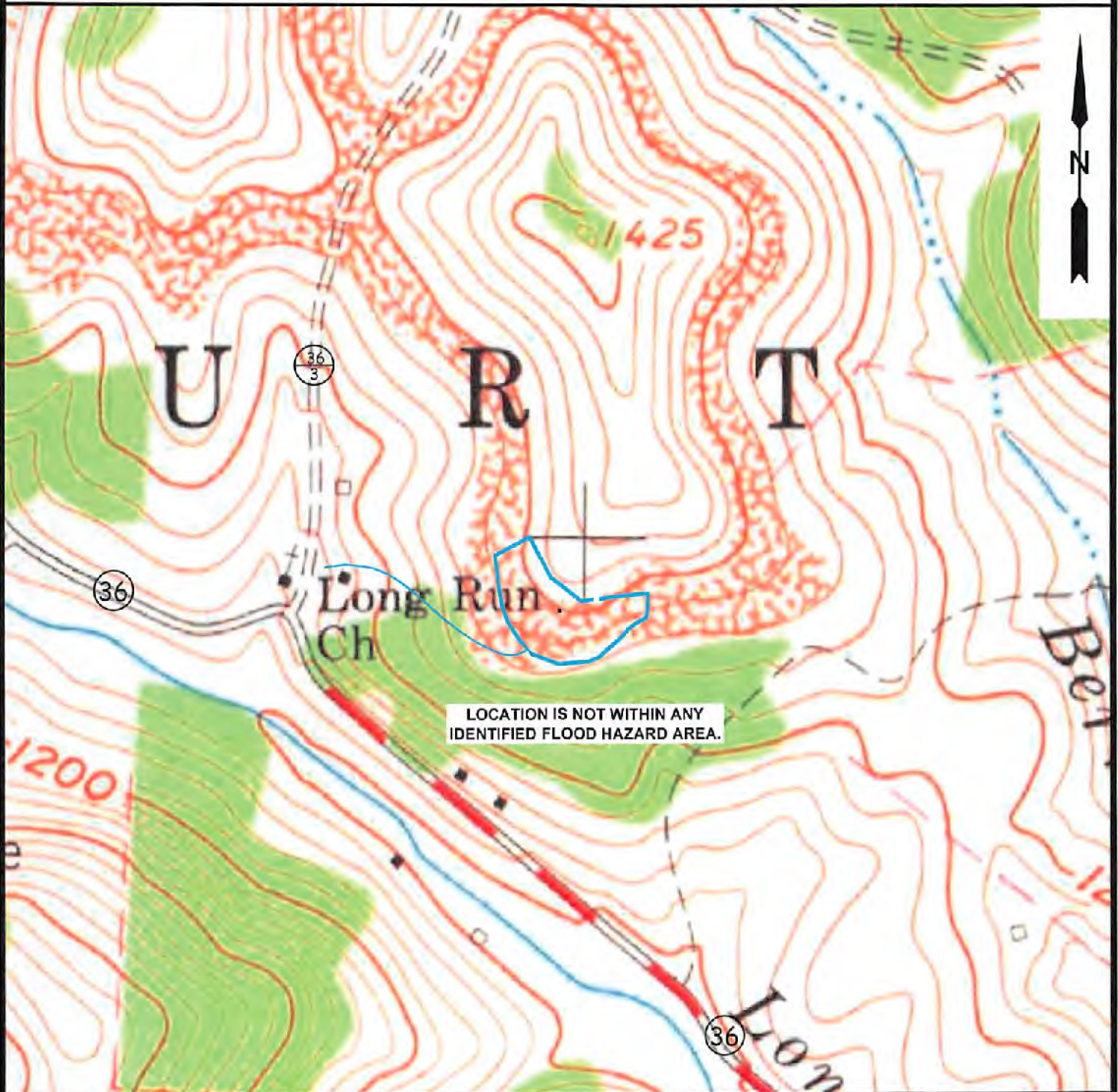


12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26031 | 304.462.5834
1612 Kanawha Boulevard, East | Charleston, WV 25301 | 304.345.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slsw.com

TOPO SECTION:		OPERATOR:	
GRAFTON 7.5'		PREPARED FOR:	
COUNTY	DISTRICT	ARSENAL RESOURCES	
TAYLOR	COURTHOUSE	6031 WALLACE RD. EXT.	
		SUITE 300	
		WEXFORD, PA 15090	
DRAWN BY	JOB NO.	DATE	SCALE
C.P.M.	9111	08-11-2021	1" = 500'

12/03/2021

PROPOSED ARMSTRONG II FLOOD HAZARD MAP



SLS
FROM THE GROUND UP

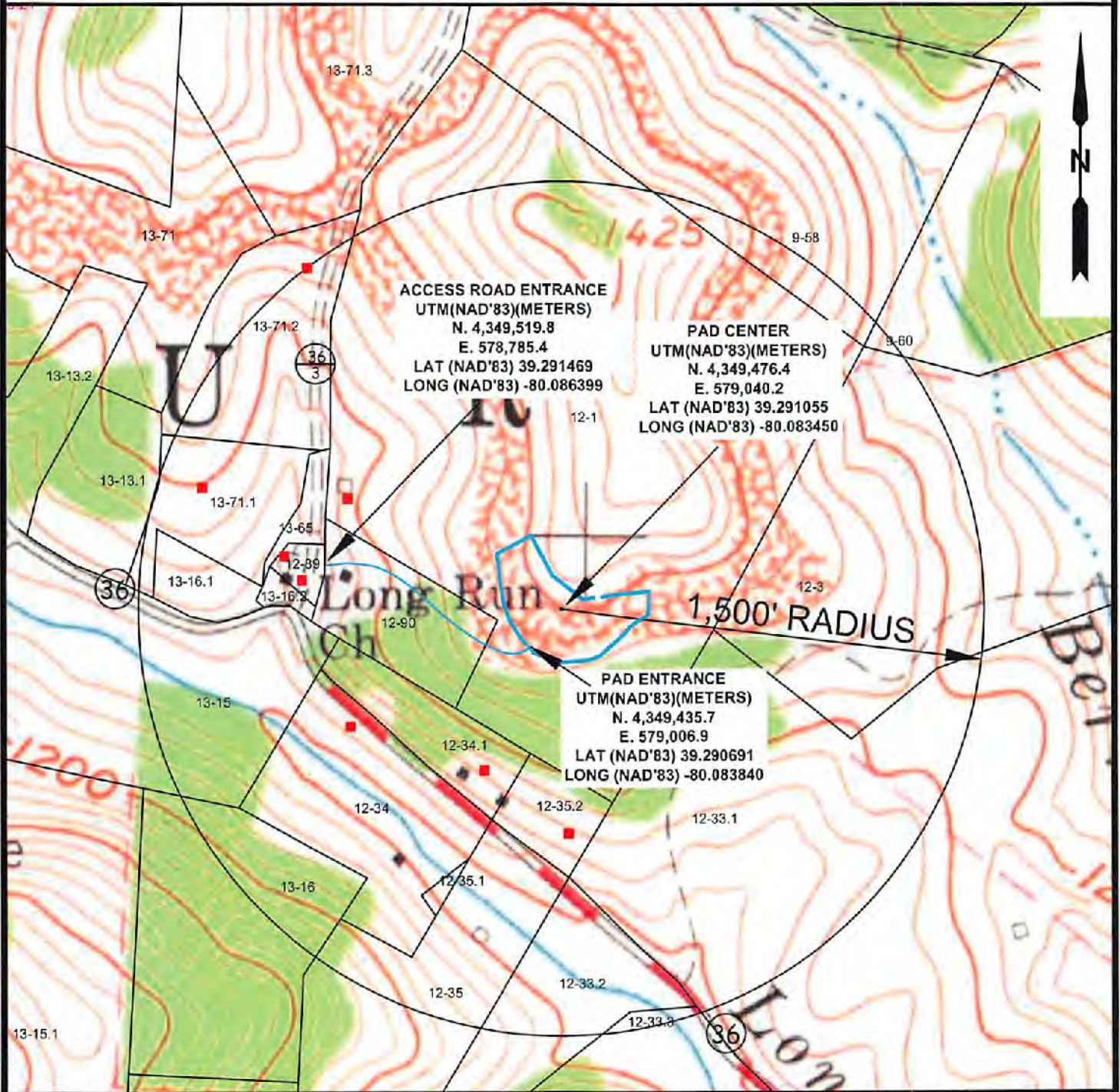
12 Vanhem Drive | P.O. Box 150 | Glenville, WV 26031 | 304.462.5634
 1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.345.3952
 254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5295
 slsvv.com

TOPO SECTION:		OPERATOR:	
GRAFTON 7.5'		PREPARED FOR:	
COUNTY	DISTRICT	ARSENAL RESOURCES	
TAYLOR	COURTHOUSE	6031 WALLACE RD. EXT.	
		SUITE 300	
		WEXFORD, PA 15090	
DRAWN BY	JOB NO.	DATE	SCALE
C.P.M.	9111	08-11-2021	1" = 500'

ARSENAL
RESOURCES

12/03/2021

PROPOSED ARMSTRONG II WELLS 214-216



ACCESS ROAD ENTRANCE
 UTM(NAD'83)(METERS)
 N. 4,349,519.8
 E. 578,785.4
 LAT (NAD'83) 39.291469
 LONG (NAD'83) -80.086399

PAD CENTER
 UTM(NAD'83)(METERS)
 N. 4,349,476.4
 E. 579,040.2
 LAT (NAD'83) 39.291055
 LONG (NAD'83) -80.083450

PAD ENTRANCE
 UTM(NAD'83)(METERS)
 N. 4,349,435.7
 E. 579,006.9
 LAT (NAD'83) 39.290691
 LONG (NAD'83) -80.083840

1,500' RADIUS

■ = APPARENT RESIDENCES FROM MAPPING



12 Vannors Drive | P.O. Box 153 | Glenville, WV 26031 | 304.462.5634
 1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
 254 East Buckley Bypass | Beckley, WV 25801 | 304.235.5295
 slswv.com

TOPO SECTION:

GRAFTON 7.5'

COUNTY	DISTRICT
TAYLOR	COURTHOUSE

DRAWN BY	JOB NO.
C.P.M.	9111

OPERATOR:

PREPARED FOR:
 ARSENAL RESOURCES
 6031 WALLACE RD. EXT.
 SUITE 300
 WEXFORD, PA 15090



DATE	SCALE
08-11-2021	1" = 500'

12/03/2021