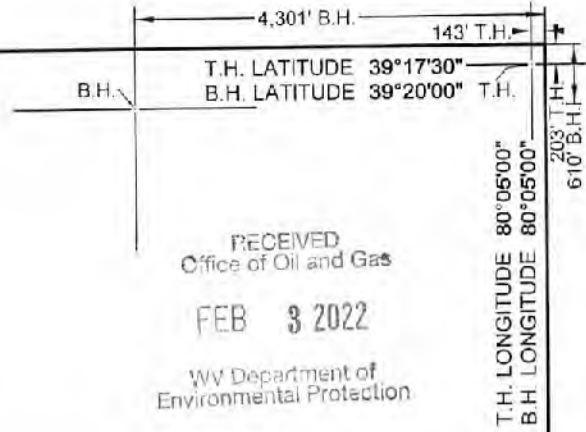


**ARMSTRONG II LEASE
WELL NO. 215
ARSENAL RESOURCES**



RECEIVED
Office of Oil and Gas

FEB 3 2022

WV Department of
Environmental Protection

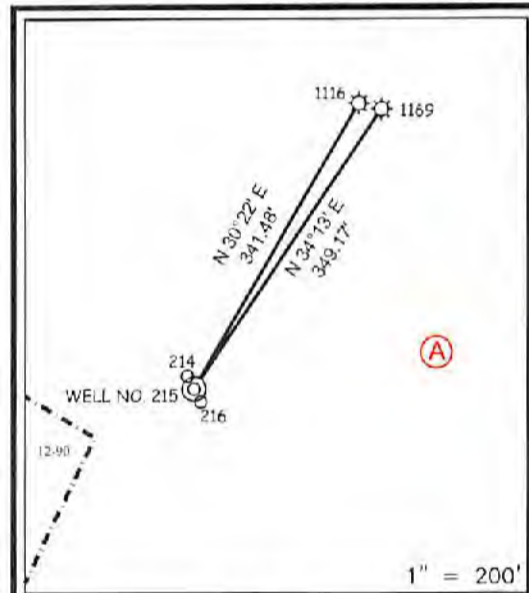
T.H. LONGITUDE 80°05'00"
B.H. LONGITUDE 80°05'00"
T.H. 208'
B.H. 610'

ARMSTRONG II- 215			
TAG	SURFACE OWNER	PARCEL	ACRES
A	ROBERT & JULIE ARMSTRONG	5-12-1	65.375
B	ROBERT L. JR. & PATRICIA LYNN CARPENTER	5-12-3	117.94
C	ARK LAND LLC	5-9-58	91.45
D	COALQUEST DEVELOPMENT LLC (C/O ARK LAND CO.)	5-9-57.1	120
E	COALQUEST DEVELOPMENT LLC	5-9-57	118.00
F	ARK LAND LLC	5-8-18	73.50
G	ARK LAND LLC	5-9-1	74.00
H	STATE OF W. V. INDUSTRIAL SCHOOL FOR BOYS	5-5-15	913.69
I	MARK A. CURREY	5-4-15	108.46
J	STATE OF W. V. (NORTHWESTERN TURNPIKE)	N/A	N/A
K	MARK A. CURREY ET AL	3-16-38	18.50

PARCEL	ADJOINING SURFACE OWNER	ACRES
5-12-33 1	HARRY V & PATRICIA J JOHNSON	89.30
5-12-35 2	MARIE ELEANOR QUEEN	2
5-12-34 1	DONNA R GOODNOW	4.825
5-12-90	ROBERT L & JULIE A ARMSTRONG	5
5-13-71 2	JOSEPH & LACEY N FREY	8.35
5-13-71 3	ARK LAND LLC	27.52
5-8-22	HAROLD THOMAS & MARY LOU ADKINS	34.77
5-8-21	DAYTON W & RUTH A GREEN C/O ARK LAND LLC	66.95
5-8-14	ARK LAND LLC	17
5-8-15	ARK LAND LLC	106.82
5-8-19	ARK LAND LLC	42.23
5-8-20	ARK LAND LLC	23
5-5-13	LARRY MCDANIEL (HEIRS) IN C/O MICHAEL E MCDANIEL	4.98
5-5-14	TIMOTHY R & ROSS P GERARD	15.63
3-16-36	JASON KNOTTS	4.80
3-16-37	ARK LAND LLC	1.00
3-16-33	MARK A. CURREY, ET AL	35.00
3-16-39	NORA REYNOLDS, ET AL	1
3-16-40	JOHN WHITESCARVER	176.75
5-5-15.1	TAYLOR COUNTY FAIR ASSOCIATION	54.5
5-5-15.4	STATE OF WEST VIRGINIA (WV DEPT OF AGRICULTURE)	2.84
5-5-15.2	TAYLOR COUNTY FAIR ASSOCIATION	3.2
5-4-15	MARK A CURREY	108.46
5-9-2	ARK LAND LLC	33.1
5-9-4	COALQUEST DEVELOPMENT LLC	115.00
5-9-56	COALQUEST DEVELOPMENT LLC (C/O ARK LAND CO.)	55.75
5-9-63 3	COALQUEST DEVELOPMENT LLC (C/O ARK LAND CO.)	85.45
5-9-59	ARK LAND COMPANY	28.50
5-9-61	ARK LAND COMPANY	4
5-9-60	ARK LAND LLC	50.02

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'83 S.P.C.(FT) N. 288,680.62 E. 1,603,259.68
 NAD'83 GEO. LAT-(N) 39,291109 LONG-(W) 80.098367
 NAD'83 UTM (M) N. 4,349,482.13 E. 579,006.70
LANDING POINT
 NAD'83 S.P.C.(FT) N. 289,607.7 E. 1,803,996.4
 NAD'83 GEO. LAT-(N) 39,293668 LONG-(W) 80.081256
 NAD'83 UTM (M) N. 4,349,766.3 E. 579,226.5
BOTTOM HOLE
 NAD'83 S.P.C.(FT) N. 303,477.6 E. 1,799,197.4
 NAD'83 GEO. LAT-(N) 39.331661 LONG-(W) 80.098538
 NAD'83 UTM (M) N. 4,353,969.8 E. 577,694.0

REFERENCES



NOTES ON SURVEY

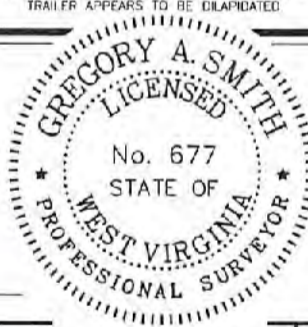
- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS > 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOPO MARK SCALE ARE 1"=2000'
- THERE IS ONE (1) HOUSE TRAILER AND ONE (1) HUNTING CABIN WITHIN WITHIN 625 FEET. NEITHER STRUCTURE APPEAR TO BE OCCUPIED AND THE HOUSE TRAILER APPEARS TO BE DILAPIDATED



12 Vannorn Drive | P.O. Box 150 | Glenview, WV 26031 | 304.462.5934
 1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
 254 East Beckley Bypass | Beckley, WV 25801 | 304.285.5196
 slswv.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 JANUARY 20, 20 22
 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-R01-220118-CPM.uwg

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 LIQUID INJECTION ___ WASTE DISPOSAL ___ IF "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±

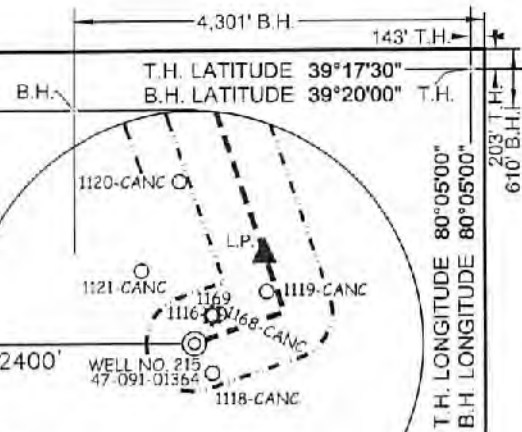
ROYALTY OWNER ROBERT L. & JULIE A. ARMSTRONG ET AL ACREAGE 65.375±

PROPOSED WORK: 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 22,971.5 / TVD 7,789'

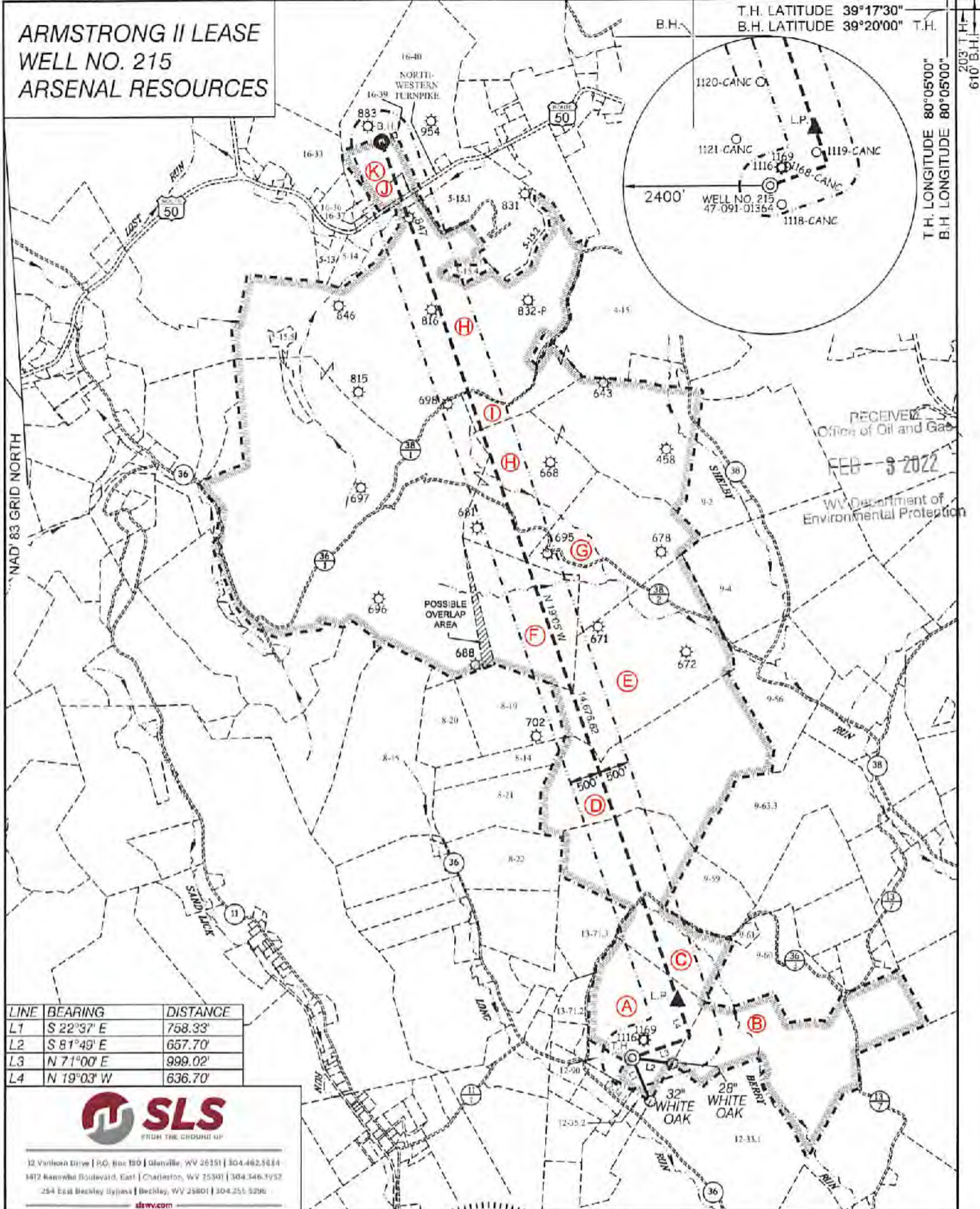
WELL OPERATOR ARSENAL RESOURCES DESIGNATED AGENT GARY SHORT
 ADDRESS 6031 WALLACE RD. EXT. SUITE 300 WEXFORD, PA 15090 ADDRESS 633 WEST MAIN STREET BRIDGEPORT, WV 26330

COUNTY NAME PERMIT

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



NAD'83 GRID NORTH



LINE	BEARING	DISTANCE
L1	S 22°37' E	758.33'
L2	S 81°49' E	657.70'
L3	N 71°00' E	999.02'
L4	N 19°03' W	636.70'



12 Vanhook Drive | P.O. Box 180 | Glenville, WV 26031 | 304-462-5834
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304-346-1932
254 East Beckley Bypass | Beckley, WV 25801 | 304-255-5296
slsw.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. 579,006.70

LANDING POINT

NAD'83 S.P.C.(FT)	N. 288,807.7	E. 1,803,996.4
NAD'83 GEO.	LAT-(N) 39.293668	LONG-(W) 80.081256
NAD'83 UTM (M)	N. 4,349,768.3	E. 579,226.5

BOTTOM HOLE

NAD'83 S.P.C.(FT)	N. 303,477.6	E. 1,799,197.4
NAD'83 GEO.	LAT-(N) 39.331661	LONG-(W) 80.098538
NAD'83 UTM (M)	N. 4,353,969.8	E. 577,694.0



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

P.S. 677 *Gregory A. Smith*

SCALE 1" = 2000' FILE NO. 9111-Arsenal-SURV-Pa1215-R01-200118-CPL-003

DATE SEPTEMBER 28, 20 21
REVISED JANUARY 20, 20 22

OPERATORS WELL NO. 215
API WELL NO. 47 - 091 - 01364
STATE COUNTY PERMIT

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

LEGEND

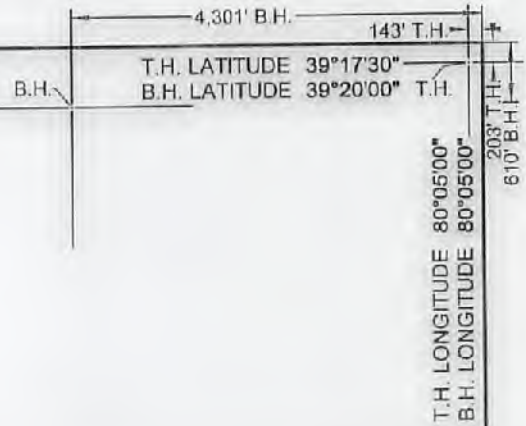
LEASE LINE	
SURFACE LINE	
WELL LATERAL	
OFFSET LINE	
TIE LINE	
CREEK	
ROAD	
COUNTY ROUTE	
PROPOSED WELL	
EXISTING WELL	
PERMITTED WELL	
TAX MAP-PARCEL	00-00
SURFACE OWNER (SEE TABLE)	
LEASE # (SEE WW-6A1)	

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

02/18/2022

**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	ROBERT L. JR. & PATRICIA LYNN CARPENTER	5-12-3	117.94
C	ARK LAND LLC	5-9-58	91.45
D	COALQUEST DEVELOPMENT LLC (C/O ARK LAND CO.)	5-9-57.1	120
E	COALQUEST DEVELOPMENT LLC	5-9-57	118.00
F	ARK LAND LLC	5-8-18	73.50
G	ARK LAND LLC	5-9-1	74.00
H	STATE OF W.V. INDUSTRIAL SCHOOL FOR BOYS	5-5-15	913.69
I	MARK A. CURREY	5-4-15	108.46
J	STATE OF W.V. (NORTHWESTERN TURNPIKE)	N/A	N/A
K	MARK A. CURREY ET AL.	3-16-38	18.50

PARCEL	ADJOINING SURFACE OWNER	ACRES
5-12-33.1	HARRY V & PATRICIA J JOHNSON	89.30
5-12-35.2	MARIE ELEANOR QUEEN	.2
5-12-34.1	DONNA R GOODNOW	4.825
5-12-90	ROBERT L & JULIE A ARMSTRONG	5
5-13.71.2	JOSEPH & LACEY N FREY	8.35
5-13.71.3	ARK LAND LLC	27.52
5-8-22	HAROLD THOMAS & MARY LOU ADKINS	34.77
5-8-21	DAYTON W & RUTH A GREEN C/O ARK LAND LLC	66.95
5-8-14	ARK LAND LLC	17
5-8-15	ARK LAND LLC	106.82
5-8-19	ARK LAND LLC	42.23
5-8-20	ARK LAND LLC	23
5-5-13	LARRY MCDANIEL (HEIRS) IN C/O MICHAEL E MCDANIEL	4.98
5-5-14	TIMOTHY R. & ROSS P. GERARD	15.63
3-16-36	JASON KNOTTS	4.80
3-16-37	ARK LAND LLC	1.00
3-16-33	MARK A. CURREY, ET AL.	35.00
3-16-39	NORA REYNOLDS, ET AL.	1
3-16-40	JOHN WHITESCARVER	176.75
5-5-15.1	TAYLOR COUNTY FAIR ASSOCIATION	54.5
5-5-15.4	STATE OF WEST VIRGINIA (WV DEPT OF AGRICULTURE)	2.84
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5-4-15	MARK A CURREY	108.46
5-9-2	ARK LAND LLC	33.1
5-9-4	COALQUEST DEVELOPMENT LLC	115.00
5-9-56	COALQUEST DEVELOPMENT LLC (C/O ARK LAND CO.)	55.75
5-9-63.3	COALQUEST DEVELOPMENT LLC (C/O ARK LAND CO.)	85.45
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5-9-61	ARK LAND COMPANY	4
5-9-60	ARK LAND LLC	50.02

(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
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LANDING POINT
 NAD'83 S.P.C.(FT) N. 289,807.7 E. 1,803,996.4
 NAD'83 GEO. LAT-(N) 39.293868 LONG-(W) 80.081256
 NAD'83 UTM (M) N. 4,349,768.3 E. 579,226.5

BOTTOM HOLE
 NAD'83 S.P.C.(FT) N. 303,477.6 E. 1,799,197.4
 NAD'83 GEO. LAT-(N) 39.331681 LONG-(W) 80.096530
 NAD'83 UTM (M) N. 4,353,969.8 E. 577,694.0

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 & TOPC 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.



13 Virginia Street, P.O. Box 803 | Clarks Summit, PA 17015-0803
 487 Pennsylvania Boulevard, Box 1 | Clarks Summit, PA 17018 | 717.333.9999
 www.slsurvey.com | 1-800-999-9999 | 1-800-999-9999

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 JANUARY 20, 20 22
 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-R01-22011B-CPM.0wg
 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 65.375±

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

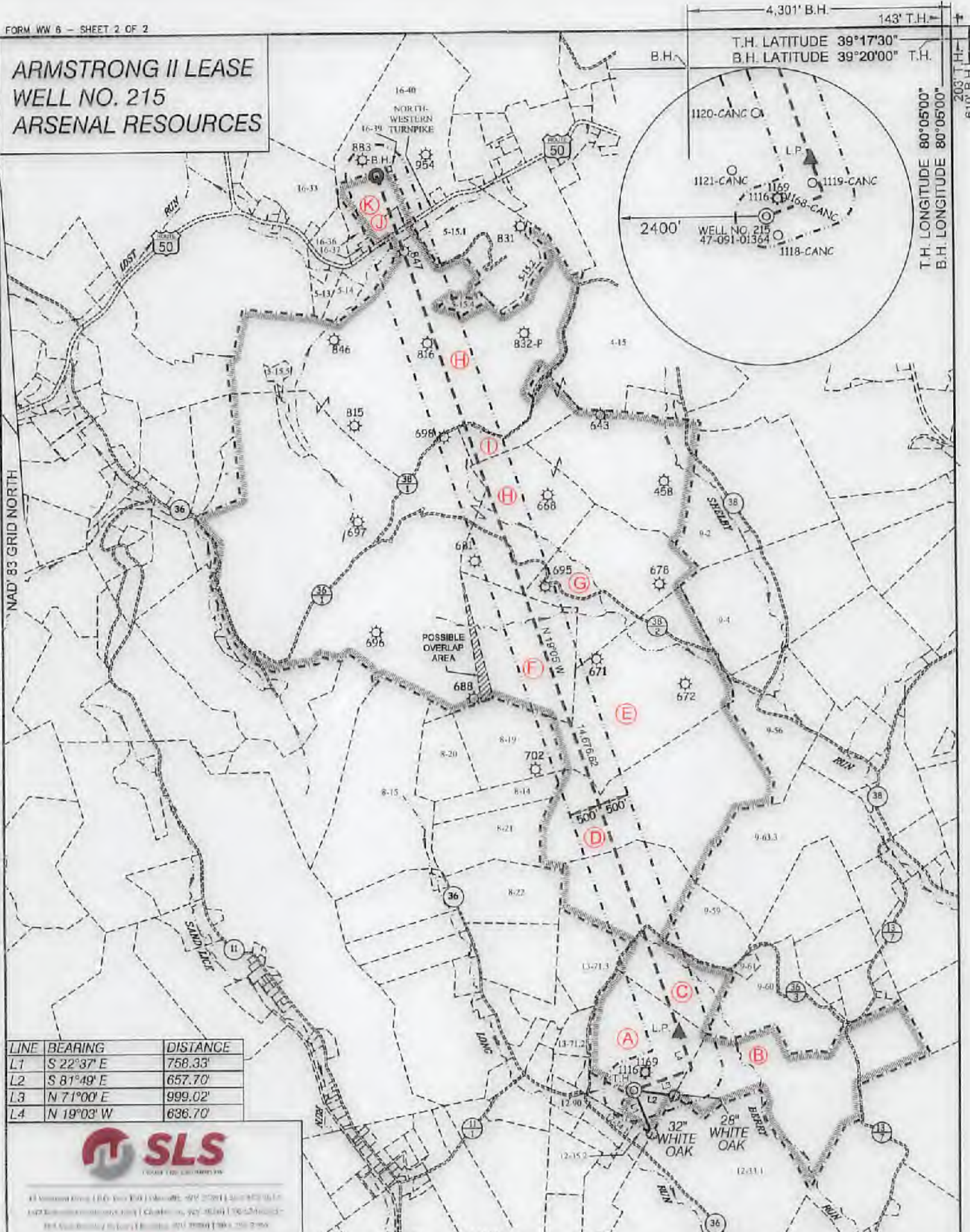
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS
 ESTIMATED DEPTH TMD 22,971.5 / TVD 7,789'

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

0218/2022

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



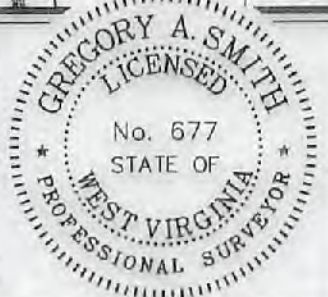
4,301' B.H. 143' T.H.
T.H. LATITUDE 39°17'30"
B.H. LATITUDE 39°20'00" T.H.
T.H. LONGITUDE 80°05'00"
B.H. LONGITUDE 80°05'00"
2400'
203' T.H.
610' B.H.

LINE	BEARING	DISTANCE
L1	S 22°37' E	758.33'
L2	S 81°49' E	657.70'
L3	N 71°00' E	999.02'
L4	N 19°03' W	636.70'



41 Virginia Ave. (Rt. 100) East, WV 26011, 304-842-9111
1427 Commonwealth Blvd., Charleston, WV 25304, 1-800-525-5252
884 Oakbury Dr., Lewisburg, WV 26044, 1-800-255-2555
www.sls.com

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)			
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NAD'83 UTM (M)	N. 4,349,482.13	E. 579,008.70	
LANDING POINT			
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NAD'83 GEO.	LAT-(N) 39.293660	LONG-(W) 80.081256	
NAD'83 UTM (M)	N. 4,349,768.3	E. 579,228.5	
BOTTOM HOLE			
NAD'83 S.P.C.(FT)	N. 303,477.6	E. 1,799,197.4	
NAD'83 GEO.	LAT-(N) 39.331661	LONG-(W) 80.088538	
NAD'83 UTM (M)	N. 4,353,969.8	E. 577,694.0	



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

P.S. 677 *Gregory A. Smith*

LEGEND

LEASE LINE	
SURFACE LINE	
WELL LATERAL	
OFFSET LINE	
TI LINE	
CREEK	
ROAD	
COUNTY ROUTE	
PROPOSED WELL	
EXISTING WELL	
PERMITTED WELL	
TAX MAP-PARCEL	00-00
SURFACE OWNER (SEE TABLE)	
LEASE # (SEE WW-6A1)	

SCALE 1" = 2000' FILE NO. 9111-Arsenal-SURV-170215-101-220118-CPM.dwg
DATE SEPTEMBER 28, 20 21
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STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
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OFFICE OF OIL AND GAS

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ADDRESS 6031 WALLACE RD. EXT. SUITE 300 WEXFORD, PA 15090
ADDRESS 633 WEST MAIN STREET BRIDGEPORT, WV 26330

COUNTY NAME PERMIT

02/18/2022