

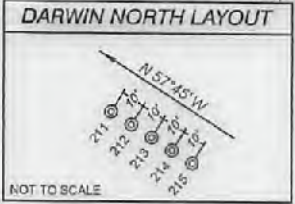
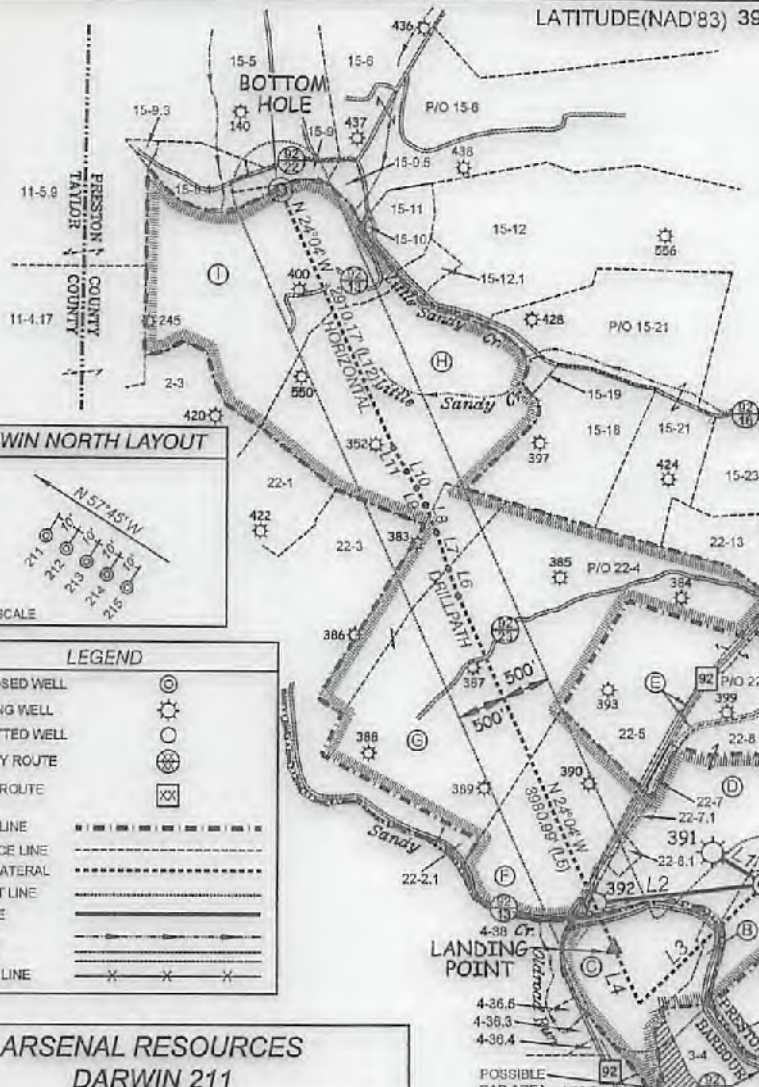
FORM WV-6 - SHEET 1 OF 2

NAD'83 GRID NORTH

6643'

LONGITUDE (NAD'83) 79°52'30" (BOTTOM HOLE)

LONGITUDE (NAD'83) 79°50'00" (TOP HOLE)



**LEGEND**

- PROPOSED WELL: (Symbol)
- EXISTING WELL: (Symbol)
- PERMITTED WELL: (Symbol)
- COUNTY ROUTE: (Symbol)
- STATE ROUTE: (Symbol)
- LEASE LINE: (Symbol)
- SURFACE LINE: (Symbol)
- WELL LATERAL: (Symbol)
- OFFSET LINE: (Symbol)
- TIE LINE: (Symbol)
- CREEK: (Symbol)
- ROAD: (Symbol)
- FENCE LINE: (Symbol)

PRESTON COUNTY			
DESIGNATOR	TM-PAR	SURFACE OWNER	SURFACE ACREAGE
A	22-11	MARCHETTA HUFFMAN	47.50±
BARBOUR COUNTY			
DESIGNATOR	TM-PAR	SURFACE OWNER	SURFACE ACREAGE
B	3-2	HARRIET MAT LICK HEIRS	5±
C	3-1	MARY K. LINDLEY	31.84±
PRESTON COUNTY			
DESIGNATOR	TM-PAR	SURFACE OWNER	SURFACE ACREAGE
D	22-8	DARWIN & KAREN WOLFE	62.36±
E		STATE OF W.V. (OLD MORGANTOWN-BEVERLY TURNPIKE & W.V. RT 92)	14.42±
F	22-9	LAWSON L. SCHOOLEY	40.04±
G	22-4	DAVID A & CHRISTINA L. CLARKSON ROBERT F. CLARKSON (LIFE)	167.63±
H	15-17	ROBERTA A. KNOTTS	96.00±
I	15-9.1	DAVID L. RIVELY ET AL.	93.75±

**DARWIN 211 WELL TIES**

LINE	BEARING	DISTANCE
L1	N 58°18' W	632.08'
L2	S 83°23' W	1751.05'
L3	S 45°59' W	1795.07'
L4	N 24°04' W	636.61'

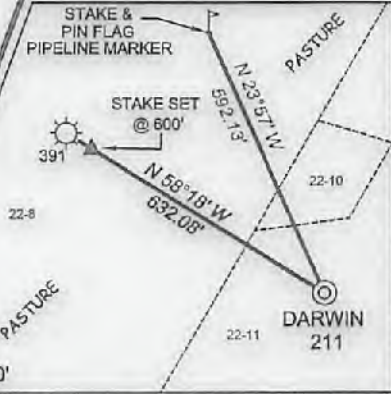
**DARWIN 211 LATERAL**

LINE	BEARING	DISTANCE
L5	N 24°04' W	3980.99'
L6	N 20°25' W	299.79'
L7	N 18°00' W	400.00'
L8	N 21°53' W	209.70'
L9	N 28°22' W	189.91'
L10	N 30°59' W	189.72'
L11	N 30°19' W	277.21'
L12	N 24°04' W	2910.17'
<b>LATERAL TOTAL: 8,567.49'</b>		

**Notes on Survey**

1. No water wells were found within 250' of proposed gas well. No agricultural buildings less than or equal to 2500 sq. ft. or dwellings were found within 625' of the center of proposed well pad.

**REFERENCES**



**ARSENAL RESOURCES DARWIN 211**

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

NAD'83 S.P.C. (FT)	N. 289,967.62	E. 1,863,721.40
NAD'83 GEO.	LAT.-(N) 39.295524	LONG.-(W) 79.870232
NAD'83 UTM (M)	N. 4,350,180.40	E. 597,421.59
<b>LANDING POINT</b>		
NAD'83 S.P.C. (FT)	N. 289,300.50	E. 1,862,172.00
NAD'83 GEO.	LAT.-(N) 39.293675	LONG.-(W) 79.875697
NAD'83 UTM (M)	N. 4,349,969.29	E. 596,952.89
<b>BOTTOM HOLE</b>		
NAD'83 S.P.C. (FT)	N. 297,117.20	E. 1,858,681.90
NAD'83 GEO.	LAT.-(N) 39.315095	LONG.-(W) 79.888148
NAD'83 UTM (M)	N. 4,352,333.25	E. 595,849.94

**SLS**  
Land & Energy Development  
Solutions from the ground up.  
P.O. Box 150 • 12 Vanhorn Drive • Greenville, WV 26351 • (304) 462-5034  
www.slsurveys.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 *C. Victor Moyers*



(\*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE AUGUST 11, 20 17

REVISED \_\_\_\_\_, 20 \_\_\_\_\_

OPERATORS WELL NO. DARWIN 211

API WELL NO. 47 - 071 - 00637

STATE WV COUNTY PRESTON PERMIT 01/12/2018

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 8499P211.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: 1,440.4' / PROPOSED: 1,440.2' WATERSHED SANDY CREEK

DISTRICT RENO COUNTY PRESTON QUADRANGLE FELLOWSVILLE 7.5'

SURFACE OWNER MARCHETTA HUFFMAN ACREAGE 47.50±

ROYALTY OWNER MARCHETTA HUFFMAN ACREAGE 47.50±

PROPOSED WORK: LEASE NO. 00001865

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 (LATERAL)

ESTIMATED DEPTH 18,998' TMD / 7,692' TVD (LATERAL)

WELL OPERATOR ARSENAL RESOURCES DESIGNATED AGENT WILLIAM VEIGEL

ADDRESS 6031 WALLACE RD. EXT. SUITE 300 ADDRESS 65 PROFESSIONAL PLACE

WEXFORD, PA 15090 BRIDGEPORT, WV 26330

SLS



**ARSENAL RESOURCES  
DARWIN 211**



**OWNERSHIP FOR SURFACE TRACTS AND ADJOINERS**

Dist Name	Dist	Map	Parcel	SURFACE OWNER	Book	Page	Accege
<b>HARBOUR COUNTY</b>							
COVE	3	3	1	LINDLEY MARY K	347	121	31.84
COVE	3	3	1.1	WV DEPT OF HIGHWAYS	374	158	0.06
COVE	3	3	2	MATLICK HARRIETT HRS C/O RAMONA SCARTON	WB 4	554	5.00
COVE	3	3	4	SIGLEY RALPH D & GLENDA J	315	8	101.00
COVE	3	4	36.1	REEDY JOSEPH B & CATHY W	421	132	2.96
COVE	3	4	36.2	PHILLIPS FORREST C & PEGGY S	360	37	3.40
COVE	3	4	36.3	PHILLIPS FORREST C & PEGGY S	298	260	3.84
COVE	3	4	36.4	PHILLIPS FORREST C & PEGGY S (H	298	30	0.24
COVE	3	4	36.5	PHILLIPS DONALD & PATRICIA	449	757	2.11
COVE	3	4	38	HAMILTON TERRY	203	292	18.10
<b>PRESTON COUNTY</b>							
RENO	4	9	12	CLARKSON JOHN BRUCE & LORETTA JEAN	474	339	122.75
RENO	4	9	12.1	RIDDLE KENNETH & DEBRA	636	685	16.00
RENO	4	9	13	CLARKSON JOHN B & LORETTA J	582	428	5.00
RENO	4	9	14.2	GRAAG WILLIAM W & MILDRED	404	251	120.00
RENO	4	9	16	HERSHMAN FAMILY IRREVOCABLE TRUST	751	523	110.84
RENO	4	15	1	CLARKSON ROBERT F	592	224	82.70
RENO	4	15	2	CLARKSON JOHN BRUCE & LORETTA	572	169	41.66
RENO	4	15	3	WAGNER WAYNE R & GLORIA	595	127	64.06
RENO	4	15	5	CLARKSON FAMILY IRREVOCABLE TRUST	W75	580	59.32
RENO	4	15	6	CLARKSON JOHN BRUCE & LORETTA J	W47	190	122.00
RENO	4	15	7	WAGNER WAYNE R & GLORIA F	571	211	42.34
RENO	4	15	8	CLUTTER GLENN W & CAROLYN S	759	118	145.59
RENO	4	15	9	HALL MARK A HERS	W55	558	5.00
RENO	4	15	9.1	RIVELY DAVID L CHOERIVELY ENSUG	625	1018	93.75
RENO	4	15	9.3	PHILLIPS RICHARD A & TAMMY L	583	699	1.15
RENO	4	15	9.4	HALL MARK A HERS	W55	558	13.14
RENO	4	15	9.5	HALL MARK A HERS	W55	558	3.46
RENO	4	15	10	DENNISON W H HRS, ET AL	F26	227	0.25
RENO	4	15	11	KNOTTS ROBERTA A	744	32	9.87
RENO	4	15	12	AUSTIN ROBERTA	570	903	80.10
RENO	4	15	12.1	KNOTTS ROBERTA A	744	32	3.00
RENO	4	15	14	RUNNER HARRISON HRS	F22	16	13.75
RENO	4	15	16	RIVELY DAVID L CHOERIVELY ENSUG	625	1018	47.75
RENO	4	15	17	KNOTTS ROBERTA A	744	32	98.00
RENO	4	15	18	HAMILTON TERRY & BETTY	476	144	40.20
RENO	4	15	19	MYERS EDWARD C & DOROTHY J	530	580	1.50
RENO	4	15	20	CLARKSON J B & LORETTA	388	450	41.25
RENO	4	15	21	CLARKSON JOHN B & LORETTA J	595	770	71.50
RENO	4	15	22.1	CLARKSON J B & LORETTA	459	17	1.23
RENO	4	15	23	HAMILTON FAMILY TRUST	724	189	34.00
RENO	4	15	35	HAMILTON TERRY D & BETTY	559	543	32.24
RENO	4	22	1	RIVELY DAVID L CHOERIVELY ENSUG	625	1018	47
RENO	4	22	2	POLING FRED B & JUDITH A	702	617	90.19
RENO	4	22	2.1	POLING ROBERT L & HOLLIE R	705	548	2.00
RENO	4	22	3	HAMILTON TERRY & BETTY	416	566	25.00
RENO	4	22	4	CLARKSON DAVID A & CHRISTINA L CLARKSON ROBERT F-LIFE	772	908	167.605
RENO	4	22	5	HAMILTON TERRY D & BETTY	571	544	37.45
RENO	4	22	6	SCHOOLEY LAWSON L	W38	237	51.04
RENO	4	22	7	WOLFE L DARWIN & KAREN	408	684	1.05
RENO	4	22	7.1	NEPTUNE ANDREW & EVAN NEPTUNE TERESA-LIFE	W74	919	0.75
RENO	4	22	8	WOLFE L DARWIN & KAREN	408	684	62.353
RENO	4	22	8.1	NEPTUNE ANDREW & EVAN NEPTUNE TERESA-LIFE	W74	919	2.00
RENO	4	22	8.2	WOLFE LORN A & SHANNON L S	730	172	5.237
RENO	4	22	9	BOLYARD STEVEN E & BECKY J	687	350	83.00
RENO	4	22	10	HUFFMAN MARCHETTA	424	617	120.75
RENO	4	22	11	HUFFMAN MARCHETTA	424	617	47.50
RENO	4	22	12	HAMILTON BRIAN M	660	465	5.765
RENO	4	22	13	HAMILTON FAMILY TRUST	724	189	24.75
RENO	4	23	1	HAMILTON TERRY D & BETTY	W68	644	95.066
RENO	4	23	1.2	HAMILTON KEITH L & DEBORAH A	649	251	4.93
RENO	4	23	22	BOLYARD WILLARD H	W70	405	65.90
RENO	4	23	23	BOLYARD WILLARD H	W70	405	17.00
<b>TAYLOR COUNTY</b>							
FETTERMAN	6	24	22	RIDDLE KENNETH & DEBRA	282	90	35.85
KNOTTSVILLE	7	4	13	CLARKSON ROBERT F	283	260	59.225
KNOTTSVILLE	7	11	4.17	BOLYARD CARROLL L	279	344	23.15
KNOTTSVILLE	7	11	5.9	CELIK ISMAIL	279	347	38.65

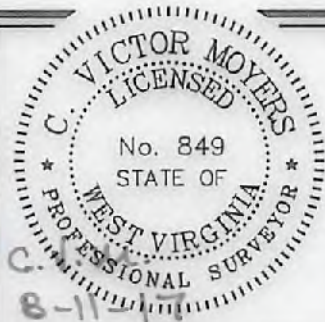
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 NO. STATE COUNTY PERMIT



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

01/12/2018



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 HOME PERMIT