

LATITUDE(NAD'83) 39°20'00" TOP HOLE

10,269'

LATITUDE(NAD'83) 39°17'30" BOTTOM HOLE

8259'

NAD'83 GRID NORTH

5935'

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

14,022'

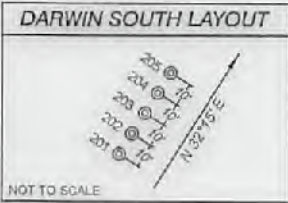
LONGITUDE (NAD'83) 79°50'00" (TOP HOLE)

COUNTY NAME

PERMIT

PRESTON COUNTY			
DESIGNATOR	TM-PAR.	SURFACE OWNER	SURFACE ACREAGE
A	22-11	MARGHETTA HUFFMAN	47.50±
B	22-8	L. DARWIN & KAREN WOLFE	82.353±
BARBOUR COUNTY			
TM-PAR.	SURFACE OWNER	SURFACE ACREAGE	
C	3-1	MARY K. LINDLEY	31.84±
D	3-2	HARRIET MATLUK HEIRS	5±
PRESTON COUNTY			
TM-PAR.	SURFACE OWNER	SURFACE ACREAGE	
E	23-22	WILLARD H. BOLYARD	85.80±
BARBOUR COUNTY			
TM-PAR.	SURFACE OWNER	SURFACE ACREAGE	
F	3-4	RALPH D. & GLENDA J. SIGLEY	103±
G	3-5	JEFFERY BOLYARD	70.56±
H	3-6	RALPH D. & GLENDA J. SIGLEY	171±

DARWIN 202 WELL TIES		
LINE	BEARING	DISTANCE
L1	N 08°03' E	2516.40
L2	N 20°03' E	2802.93
L3	S 88°57' W	1173.77
L4	S 24°03' E	636.00



LEGEND	
PROPOSED WELL	⊙
EXISTING WELL	⊙
PERMITTED WELL	⊙
COUNTY ROUTE	⊙
STATE ROUTE	⊙
LEASE LINE	---
SURFACE LINE	---
WELL LATERAL	---
OFFSET LINE	---
TIE LINE	---
CREEK	---
ROAD	---
FENCE LINE	---

**ARSENAL RESOURCES
DARWIN 202**

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

NAD'83 S.P.C.(FT)	N. 289,716.72	E. 1,863,894.16
NAD'83 GEO.	LAT-(N) 39.294837	LONG-(W) 79.869618
NAD'83 UTM (M)	N. 4,350,104.83	E. 597,475.50
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 289,114.30	E. 1,862,979.80
NAD'83 GEO.	LAT-(N) 39.293173	LONG-(W) 79.872840
NAD'83 UTM (M)	N. 4,349,916.65	E. 597,199.96
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 282,619.50	E. 1,865,878.00
NAD'83 GEO.	LAT-(N) 39.275374	LONG-(W) 79.862507
NAD'83 UTM (M)	N. 4,347,952.45	E. 598,115.86

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



SLS
Land & Energy Development
Solutions from the ground up.
P.O. Box 150 • 12 Vashon Drive • Glenville, WV 26351 • (304) 482-5834
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.
677 *Gregory A. Smith*



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

DATE SEPTEMBER 22, 20 17

REVISED FEBRUARY 27, 20 18

OPERATORS WELL NO. DARWIN 202

API WELL NO. 47 - 77 - 00641

STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8499P202R.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 MARGHETTA HUFFMAN ACREAGE 47.50±

ROYALTY OWNER MARGHETTA HUFFMAN ACREAGE 47.50± LEASE NO. 00001865

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 (LATERAL)

ESTIMATED DEPTH 15,337' 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

ARSENAL RESOURCES
DARWIN 202



Land & Energy Development
Solutions from the ground up.
P.O. Box 160 • 12 Vanhorn Drive • Glenville, WV 26031 • (304) 462-6634
www.slsurveys.com

OWNERSHIP FOR SURFACE TRACTS AND ADJOINERS

Dist Name	Dist	Map	Parcel	SURFACE OWNER	Book	Page	Acage
BARBOUR COUNTY							
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	MATLUK HARRIETT MRS CO RAMONA SCARTON	WB 4	354	5.00
COVE	3	3	3	MARSH RANDALL L	374	126	100.38
COVE	3	3	3.1	BARKLEY JOHNNY M & MARY C	331	523	35.00
COVE	3	3	3.2	BARKLEY JOHNNY M & MARY C	380	287	2.00
COVE	3	3	4	SIGLEY RALPH D & GLENDA J	315	8	103.00
COVE	3	3	5	BOLYARD JEFFREY S	WB46	363	29.56
COVE	3	3	6	SIGLEY RALPH D & GLENDA J	419	409	171.00
COVE	3	4	32	STARKE ROBERT KEVIN	WB45	133	100.00
COVE	3	4	35	PHILLIPS FORREST C & PEGGY S WROS	406	225	13.45
COVE	3	4	36.1	REDDY JOSEPH B & CATHY W	421	132	2.96
COVE	3	4	36.2	PHILLIPS FOREST C & PEGGY S	360	37	3.40
COVE	3	4	36.3	PHILLIPS FOREST C & PEGGY S	298	260	3.84
COVE	3	4	36.4	PHILLIPS FOREST C & PEGGY S (H)	298	30	0.24
COVE	3	4	36.5	PHILLIPS DONALD & PATRICIA	449	257	2.11
COVE	3	4	37	GILBERT KENNETH & DESRA	342	281	100.00
COVE	3	4	38	HAMILTON TERRY	203	292	18.10
COVE	3	4	39	LANEW DALE LEE & ROSE MARY EWS	345	16	13.68
COVE	3	7	16	BOLYARD TRACEY	473	373	141.00
COVE	3	8	1	PHILLIPS JEFFREY S, ET AL	WB45	467	152.00
COVE	3	8	7	HANCHER LIVING TRUST KILBOURNE & VERA S HANCHER TRS	385	364	194.00
PRESTON COUNTY							
RENO	4	22	5	HAMILTON TERRY D & BETTY	371	544	57.18
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 LOREN 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	130.00
RENO	4	22	11	HUFFMAN MARCHETTA	424	617	47.50
RENO	4	22	12	HAMILTON BRIAN M	660	465	5.765
RENO	4	23	1.2	HAMILTON KEITH L & DEBORAH A	649	251	4.93
RENO	4	23	22	BOLYARD WILLARD H	W70	405	65.80
RENO	4	23	23	BOLYARD WILLARD H	W70	405	17.00
RENO	4	23	24	CASTELL ARCHIE LEE & SHERRIE MATLUK	585	791	136.50
RENO	4	23	25	BOLYARD WILLARD H	W70	405	60.928
RENO	4	23	25.1	SHAHAN PAULA L	562	792	2.512
RENO	4	23	25.2	SHAHAN PAULA L	562	792	0.50
RENO	4	23	25.3	SHAHAN PAULA L	562	792	0.50
RENO	4	23	25.4	LANEW CARL W & BOLYARD MICHAEL A	568	254	1.60
RENO	4	23	26	RIDENOUR WILLIAM TODD & MARY JOAN	770	162	25.18
RENO	4	23	26.1	RIDENOUR WILLIAM TODD & MARY JOAN	600	1122	1.72
RENO	4	23	27	LANEW CARL W & LALAH L	475	45	169.37
RENO	4	29	1	RODD THOMAS W & JUDITH S	519	28	41.267
RENO	4	29	1.1	BOLYARD JEFFREY S	W38	969	2.06
RENO	4	29	1.2	DILETTOSO MICHAEL L & DIANE	479	986	74.121
RENO	4	29	1.3	RODD THOMAS W & JUDITH S	578	621	2.318
RENO	4	29	2	WOLFE ROBERT O JR	W46	860	7.0351
RENO	4	29	2.1	WHICH AMANDA M	510	766	41.98
RENO	4	29	2.3	WOLFE ROBERT O JR	540	9	3.7148
RENO	4	29	3	WOLFE ROBERT O JR	540	9	36.50
RENO	4	29	4	BOLYARD JEFFREY S	W38	969	128.42
RENO	4	29	9.1	WOLFE RUSSELL R	510	774	52.2196
RENO	4	29	9.2	WOLFE ROBERT O JR (WOLFE DOROTHY M LIFE)	662	876	9.50
RENO	4	29	9.3	RHODES LANA RUTH	510	749	32.64
RENO	4	29	9.4	WOLFE L DARWIN	510	760	105.0362
RENO	4	29	9.5	WOLFE ROBERT O JR (WOLFE DOROTHY M LIFE INT)	662	876	0.604
RENO	4	29	14	WOLFE DOROTHY M IRREVOCABLE TRUST	760	870	55.42

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DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS



P.S. 677

Gregory A. Smith

COUNTY NAME PERMIT

WELL OPERATOR ARSENAL RESOURCES
ADDRESS 6031 WALLACE RD. EXT. SUITE 300
WEXFORD, PA 15090

DESIGNATED AGENT WILLIAM VEIGEL
ADDRESS 65 PROFESSIONAL PLACE
BRIDGEPORT, WV 26330