

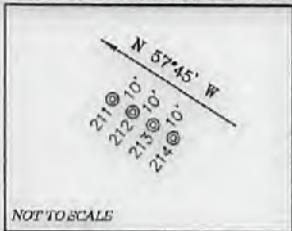
LATITUDE(NAD'83) 39°20'00"

DARWIN 214 WELL TIES

LINE	BEARING	DISTANCE
L1	N 58°16' W	662.08'
L2	S 83°59' W	1774.50'
L3	S 55°35' E	594.67'
L4	N 24°07' W	636.36'

TRACT #	SURFACE OWNER	SURFACE ACREAGE	OIL & GAS LEASE #
23-22	WILLIAM H. BOLYARD	65.80±	00000073 00000162 00000117
22-4	ROBERT CLARESON	167.635±	00000087
22-5	TERRY & BETTY HAMILTON	57.18±	00000108
22-8	DARWIN & KAREN WOLFE	62.353±	0000188-0000191
22-8.2	LORN & SHANNON WOLFE	5.237±	0000188-0000191
22-10	MARCHETTA HUFFMAN	0.82±	00002288
22-11	MARCHETTA HUFFMAN	47.50±	00001863
15-06	JOHN & LORETTA CLARKSON	172.80±	00000046
15-12	ROBERTA AUSTIN	80.10±	00000639
15-18	TERRY & BETTY HAMILTON	40.26±	00000108
15-19	EDWARD & DOROTHY MYERS	-1.50±	00002295
15-21	JOHN & LORETTA CLARKSON	71.50±	00000046
STATE OF W.V. (MORGANTOWN-SBERVLY TURNPIKE AND W.V. ROUTE 92)		14.42±	00006657

DARWIN NORTH LAYOUT



LEGEND

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

NAD'83 GRID NORTH

LONGITUDE (NAD'83) 79°52'30"

13,787'

T.H.

79°50'00"

B.H.

3,605'

**ARSENAL RESOURCES
DARWIN 214**

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

NAD'83 S.P.C.(FT) N. 289,951.6 E. 1,863,746.8
 NAD'83 GEO. LAT-(N) 39.295481 LONG-(W) 79.870142
 NAD'83 UTM (M) N. 4,350,175.6 E. 597,429.4

LANDING POINT

NAD'83 S.P.C.(FT) N. 290,201.8 E. 1,863,969.2
 NAD'83 GEO. LAT-(N) 39.296170 LONG-(W) 79.869360
 NAD'83 UTM (M) N. 4,350,253.0 E. 597,495.9

BOTTOM HOLE

NAD'83 S.P.C.(FT) N. 300,151.8 E. 1,859,523.3
 NAD'83 GEO. LAT-(N) 39.323437 LONG-(W) 79.885220
 NAD'83 UTM (M) N. 4,353,262.1 E. 596,090.9



Land & Energy Development

Solutions from the ground up.
 P.O. Box 150 • 12 Van Horn Drive • Glenville, WV 26331 • (304) 462-5834
 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 FEBRUARY 12, 20 16
 REVISED JUNE 21, 20 17
 OPERATORS WELL NO. DARWIN 214
 API WELL NO. 47 - 077 - 00623
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 8499P214R3.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 INJECTION ___ WASTE DISPOSAL ___ IF "GAS" PRODUCTION STORAGE ___ DEEP ___ SHALLOW

LOCATION: ELEVATION EXISTING: 1,442.80' / PROPOSED: 1,440.20' 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 HUNTERSVILLE CHERT (PILOT)
 ESTIMATED DEPTH 19,036' TMD / 7,685' TVD (LATERAL) 7798' (PILOT)

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

LONGITUDE (NAD'83) 79°52'30" T.H. 13,787' B.H. 3,605'

01/12/2016

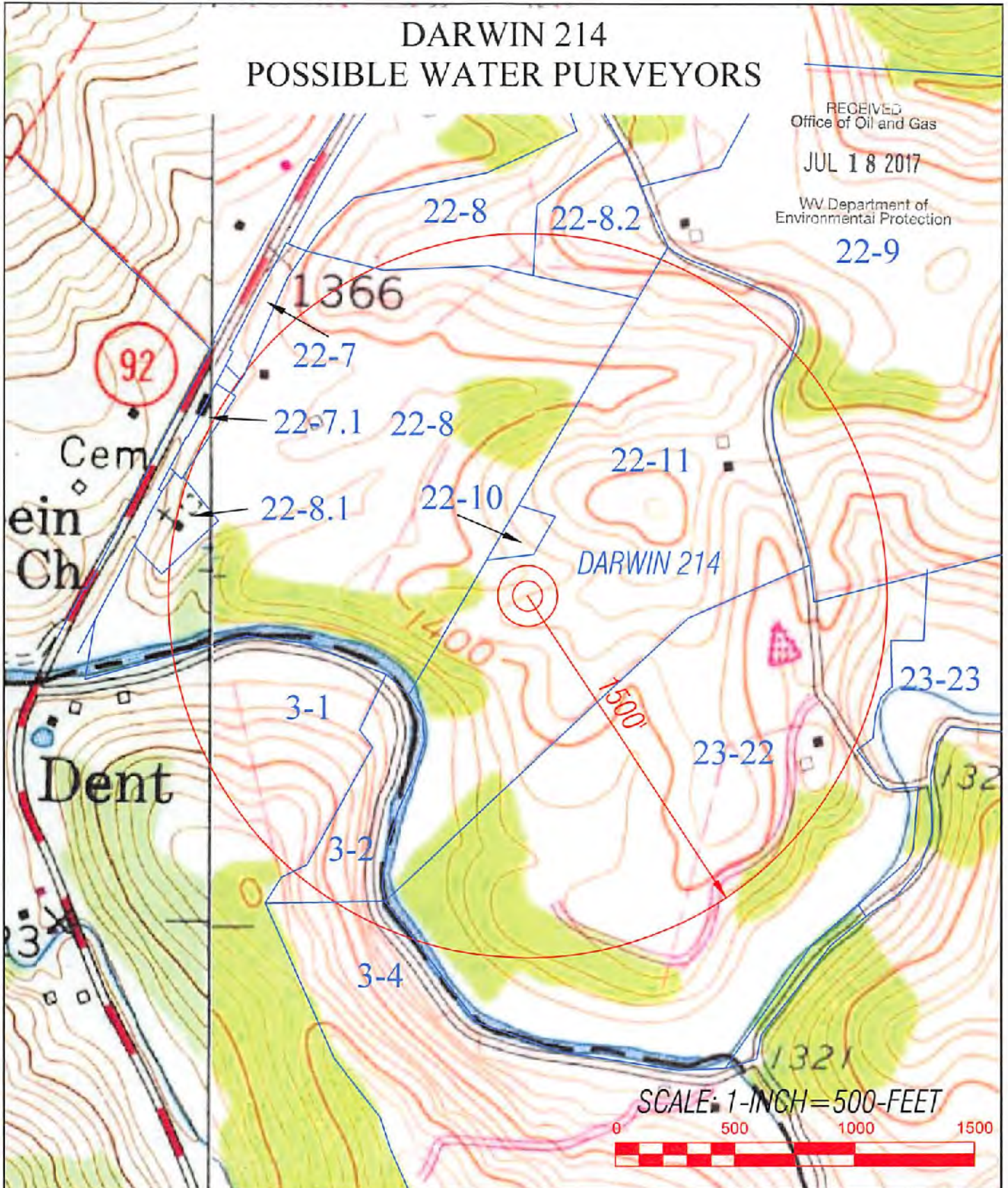
DARWIN 214 POSSIBLE WATER PURVEYORS


RECEIVED
Office of Oil and Gas

JUL 18 2017

WV Department of
Environmental Protection

22-9



				TOPO SECTIONS OF:		OPERATOR: ARSENAL RESOURCES 6031 WALLACE RD. EXT, SUITE 300 WEXFORD, PA 15090
				THORNTON & FELLOWSVILLE WV 7.5' QUADS		
COUNTY		DISTRICT				
PRESTON/BARBOUR		RENO/COVE				
DRAWN BY C.P.M.	FILE NO. 8499	DATE 06-11-17	CADD FILE: BHWKTR214.DWG			