



Guideline for Assigning an
Onshore Well Identification Code
in Nova Scotia

June 1, 2010

General Description

This guide is designed to aid individuals through the onshore well identification process in Nova Scotia. This guide highlights the current naming scheme that should be adopted by the onshore petroleum companies working in Nova Scotia. All wells named before 2009 were identified based on geographic locations. As the onshore petroleum industry starts to develop in Nova Scotia it is important to establish and maintain a Unique Well Identification system. **Figure 1** was created by NS Department of Natural Resources and should be used as the reference map for naming wells in NS. Copies of this map can be found with DNR.

National Topographic System (NTS) and Claim Reference Maps for Nova Scotia

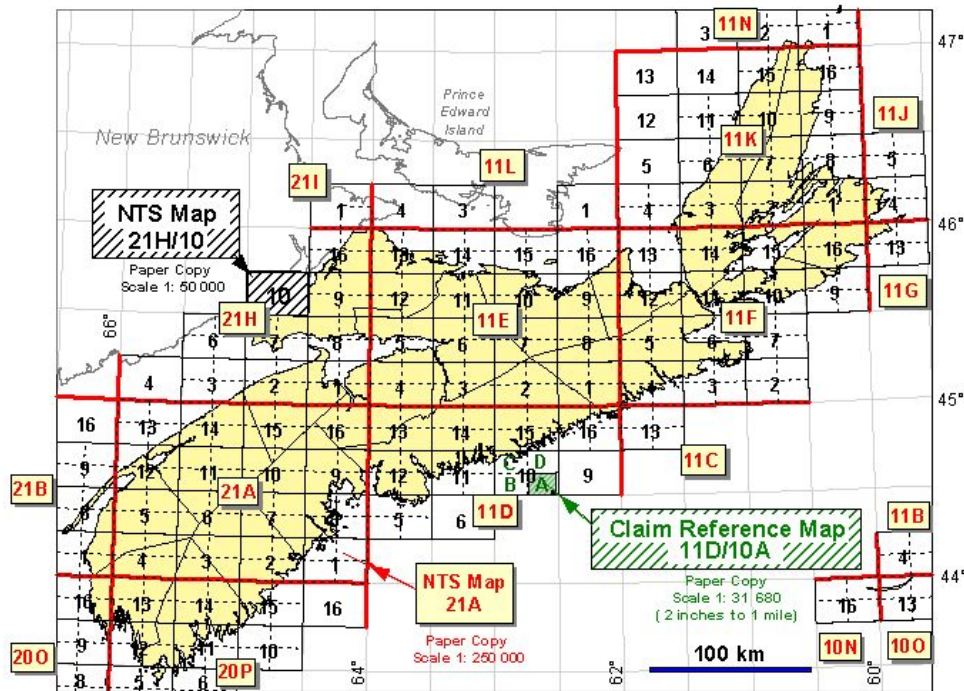


Figure 1
NTS Map for Nova Scotia

NS Unique Well Identifier Format

The unique well identification code is an alpha-numeric sequence of 15 numbers and letters as seen in **Figure 2**.

SS			LE		Map Sheet #		Map Sheet Letter		Sixteenths		Claim Reference			Unit			Section		ES	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	

Figure 2

Column breakdown for unique well identifier

Column 1: Survey System

Always “2”, identifying the National Topographic Series (NTS) as the local survey system used. This system is based on latitude and longitude, and land is divided on Map Sheets.

Column 2 & 3: Location Exception

Numeric

This two digit number illustrates the chronological sequence of wells drilled.

Column 4 & 5: Map Sheet Number

Numeric

Nova Scotia: 10, 11, 20 or 21

Column 6: Map Sheet Letter

Letter A-P

Nova Scotia: A-P

Column 7 & 8: Sixteenths

Numeric 1-16

Numbered in a “snaking” arrangement with “1” starting in the southeast corner.

Column 9: Claim Reference

Letter A-D

Arranged in a “snaking” arrangement with “A” starting in the southeast corner.

Columns 10, 11, 12: Unit (Tract)

Numeric 1-108

Numbered in a “snaking” arrangement with “1” starting in the southeast corner.

Column 13: Section

Letter A-Q

Arranged in a “snaking” arrangement with “A” starting in the southeast corner. The letter “I” is not used.

Column 14 & 15: Event Sequence

Numeric

Indicates the significant drilling and/or completion operations.

Figure 3 below illustrates how each component of the naming scheme is broken down and determined. The example is for a hypothetical well 200/11-D-10/A-094-D/00.

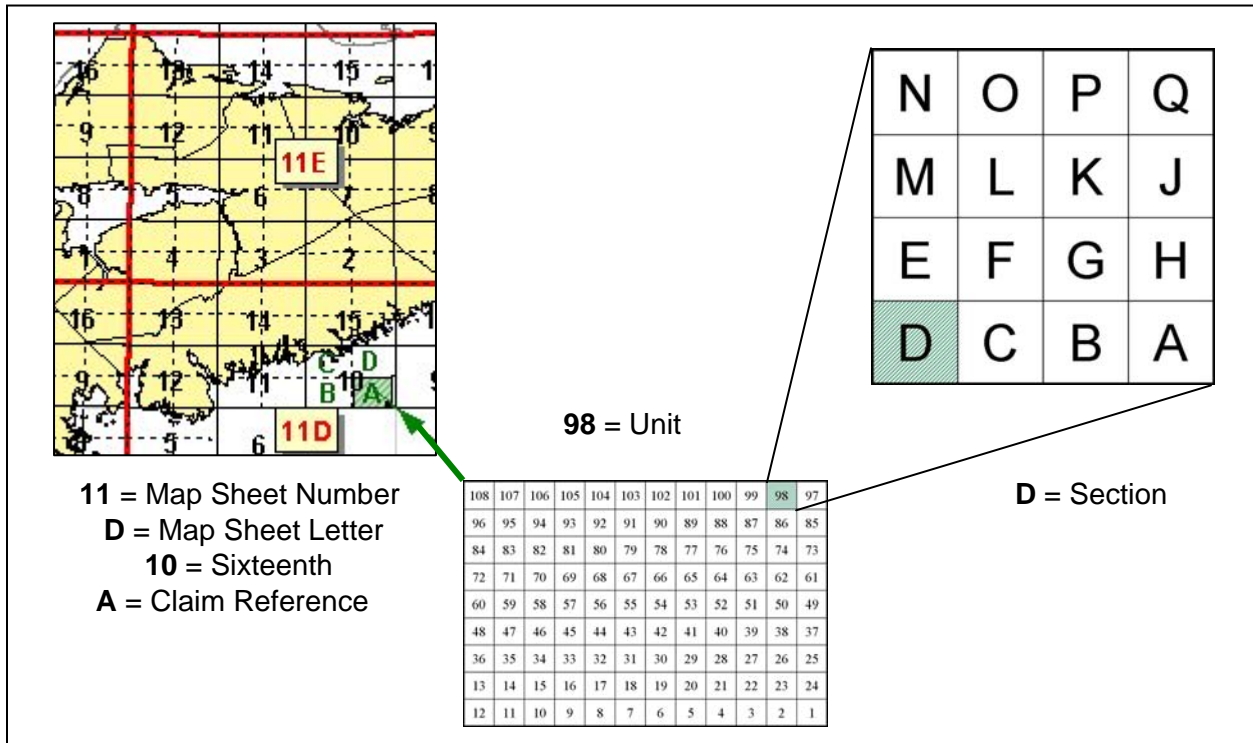


Figure 3
 200/11-D-10/A-094-D/00 Well Name Components

Legislation and Regulatory Elements

Under the *Petroleum Resources Regulations*, the following sections deal with describing land onshore Nova Scotia. Copies are available electronically on the Department of Energy’s website at <http://www.gov.ns.ca/energy/rules-regulations/acts-regulations.asp>. The Land division is comprised of 8 sections of the Regulations; numbered 4 to 11 below.

Section 4 of Regulation

- (1) Maps shall be prepared by and kept at the office of the Registrar.
- (2) Such maps shall be the only official depiction of rights.
- (3) The maps shall be drawn to the following specifications:
 - (a) east and west boundaries shall be true meridians of longitude;
 - (b) north and south boundaries shall be straight lines, parallel to the chord of one-half of the part of the parallel of latitude that represents the boundary of each map sheet;
 - (c) the angle of intersection of each chord on either side of the median meridian of longitude for each map sheet shall be ninety degrees.

(4) Each map shall depict an area bounded by thirty minutes of longitude and fifteen minutes of latitude.

Land division Section 5 of Regulation
Each map shall be called a “map sheet”.

Land division Section 6 of Regulation

(1) The lands represented by each map sheet shall be considered as subdivided into four quarters, by median lines corresponding to the median longitude and latitude lines of the map sheet.

(2) Each of the four quarters thus produced shall be lettered as shown in the following **Figure 4**:

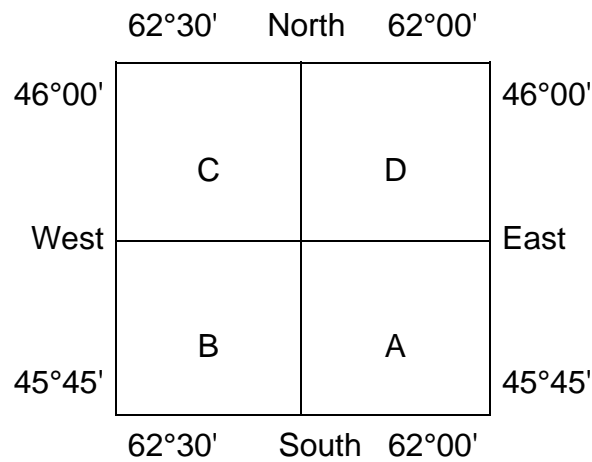


Figure 4
Standard Map Sheet Showing Reference Maps

(3) Each quarter shall be called a “reference map”.

Land division Section 7 of Regulation

(1) The lands represented by each reference map shall be considered as subdivided into one hundred and eight tracts.

(2) Each tract shall be deemed to contain two hundred and fifty-nine hectares.

(3) The one hundred and eight tracts so determined shall be numbered as shown in the following **Figure 5**:

	62°15'	North										62°00'	
45°52'30"	108	107	106	105	104	103	102	101	100	99	98	97	45°52'30"
	85	86	87	88	89	90	91	92	93	94	95	96	
	84	83	82	81	80	79	78	77	76	75	74	73	
	61	62	63	64	65	66	67	68	69	70	71	72	
West	60	59	58	57	56	55	54	53	52	51	50	49	East
	37	38	39	40	41	42	43	44	45	46	47	48	
	36	35	34	33	32	31	30	29	28	27	26	25	
	13	14	15	16	17	18	19	20	21	22	23	24	
45°45'00"	12	11	10	9	8	7	6	5	4	3	2	1	45°45'00"
	62°15'	South										62°00'	

Figure 5
Reference Map Showing Tracts

Land Division Section 8 of Regulation

- (1) Each reference map shall also be divided into six equal units.
- (2) Each unit shall be called a “reservation” (used for Land Tenure purposes, not UWI) which shall consist of eighteen tracts.
- (3) Each reservation shall be deemed to contain four thousand six hundred and sixty-two hectares.
- (4) Each reservation shall be designated as shown in the following **Figure 6**:

	62°15'		North								62°00'		
45°52'30"	108	107	106	105	104	103	102	101	100	99	98	97	45°52'30"
	85	86	87 W	88	89	90	91	92	93 V	94	95	96	
	84	83	82	81	80	79	78	77	76	75	74	73	
	61	62	63	64	65	66	67	68	69	70	71	72	
West	60	59	58 T	57	56	55 A	54	53	52 U	51	50	49	East
	37	38	39	40	41	42	43	44	45	46	47	48	
	36	35	34	33	32	31	30	29	28	27	26	25	
	13	14	15 S	16	17	18	19	20	21 R	22	23	24	
45°45'00"	12	11	10	9	8	7	6	5	4	3	2	1	45°45'00"
	62°15'		South								62°00'		

Figure 6
Reference Map Showing Reservations and Tracts (Units)

Land division Section 9 of Regulation

- (1) Each tract shall be subdivided into sixteen equal units.
- (2) Each unit shall be called a “section” and shall be lettered as shown in the following **Figure 7**:

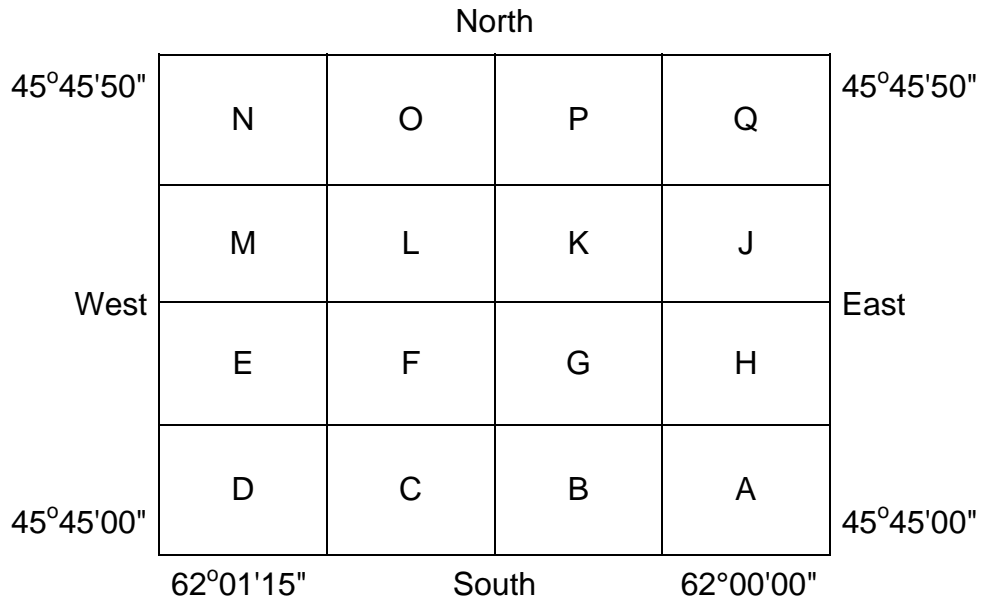


Figure 7
Tract Showing Sections

(3) Each section shall be deemed to contain sixteen point one eight seven five hectares.

Land division Section 10 of Regulation

All rights shall be defined and described in terms of the divisions of land prescribed herein.

Land Division Section 11 of Regulation

- (1) All boundaries shall extend downward vertically without limit.
- (2) All surface measurements shall be horizontal.

Contact Information

Please refer to this guideline for reference and if there are questions; please direct them to Scott Weldon (902) 424-3234 weldonrs@gov.ns.ca at the Department of Energy.

References

McKenzie, Ben. Reservoir. July/August 2005. The Canadian Unique Well Identifier, 26-33pg
 Eastern Canada Standards Workgroup. December 2000. The Canadian Unique Well Identifier.