

BY-LAW NUMBER 2020/43

BY-LAW NO. 2020/43 is a by-law of the County of Wetaskiwin No. 10 in the Province of Alberta, to authorize the adoption of an Area Structure Plan for the purpose of providing a framework for subsequent subdivision and development of NE-22-46-7-W5M in accordance with Section 633 of the Municipal Government Act, Chapter M-26.1, Revised Statutes of Alberta 2000, and amendments thereto.

WHEREAS: at the requirements of County Council, an Area Structure Plan has been prepared for NE-22-46-7-W5M.

AND WHEREAS: the proposed Area Structure Plan has been widely circulated and discussed within the County pursuant to Section 230, 606(1), and 633(1) of the Municipal Government Act, 2000, Chapter M-26.1, and amendments thereto.

NOW THEREFORE: the County of Wetaskiwin No. 10, duly assembled, hereby enacts as follows:

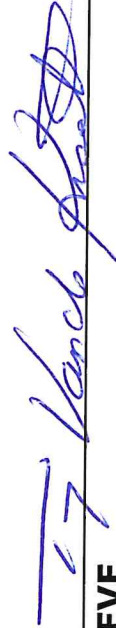
The document attached to this By-law as "Appendix A", together with accompanying maps, is hereby adopted for NE-22-46-7-W5M.

1. This by-law comes into effect on the date of third reading.

READ: A First time this 11 day of June A.D, 2020.

READ: A Second time this 11 day of June A.D, 2020.

READ: A Third time and finally passed this 11 day of June A.D, 2020.


REEVE


~~ASSISTANT CHIEF ADMINISTRATIVE
OFFICER~~

SCHEDULE "A"

To: County Of Wetaskiwin
Box 6960,
Wetaskiwin, AB T9A 2G5

Attn: Development Department

From: David & Susan Watson
Box 571,
Alder Flats, AB T0C 0A0

Date: March 5, 2020

Area Structure Plan
Re: Watson, David and Susan

To Whom It May Concern,

We are submitting an area structure plan today as we are wanting to sub divide 15 acres from our remaining 155 acres. This will be our second parcel from the quarter. We are looking to keep the 140 acres as farm land, and re zone the 15 acres to hobby farm. The first parcel was sub divided back in 2006. It had a natural separation from the quarter because of how wash out creek goes through the west side of the quarter. We are looking into this option as the land owner to the east which the land is a government grazing lease has approached us, and would like to purchase our pasture land.

The area behind the home site which takes up half of the 15 acres is swamp/bush area the home and shop are built to the south of this area and the remainder of the acres is open pasture area. A shop was built in 2008 with all services, and a mobile home placed on land in 2013 with full services.

Septic:

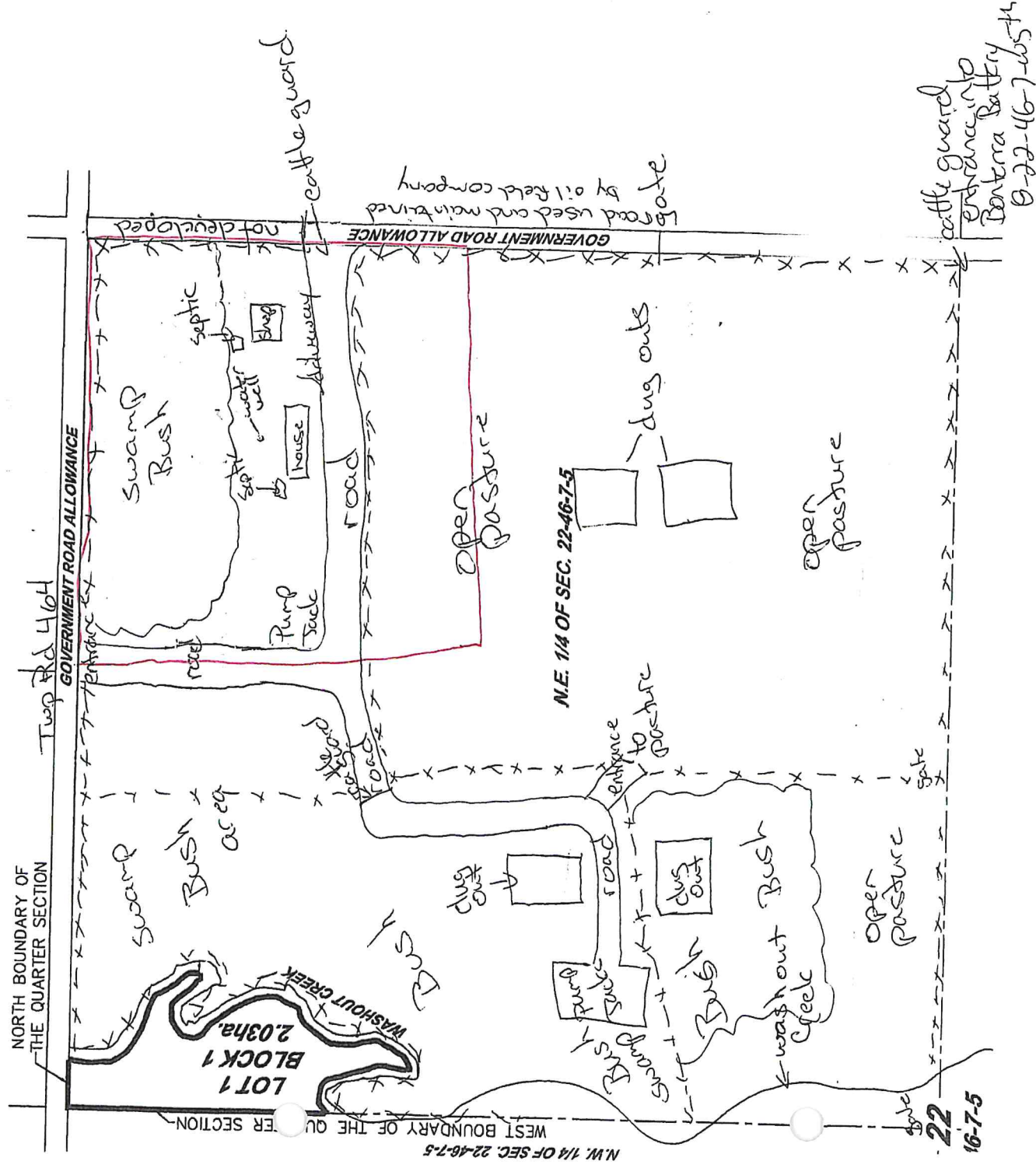
They both have their own septic tanks of holding tank size of 1180 gallons with pump out at this time. Permits where pulled and everything installed to code when tanks installed.

Water Supply:

We have one water well drilled to 280' that services both building, have included a water recovery report with the application. There is also 4 dugouts within the property plus the washout creek along the west side of the property. One out of the four dugouts are 45' deep and 60 feet by 60 feet, the other one beside it is 60 feet by 150 feet and 35 feet deep. The other ones are smaller but good water supply for pasturing animals.

means for income

Red — solid line means area to be rezoned
— ~~total~~ would be 150



Landowner Notification of Exceedances
of the Guidelines for Canadian Drinking Water Quality

To: Dave & Susan Watson
72013 TWP RD 464
Box 571
Alder Flats
Alberta
Canada
T0C 0A0
780-202-3000

Date: 30-Jun-19

Re: Results of water sampling conducted on *June 14, 2019*
on behalf of: **BONTERRA ENERGY CORP**

Landowner / Occupant Comments: (A21)

<i>Landowner indicates good quality and quantity well water.</i>				
Parameter	Result	GCDWQ Standard	Maximum Acceptable Concentration (MAC) or Aesthetic Objective (AO)	
Sodium:	251	< or = 200 mg/L	Aesthetic Objective	
Total dissolved solids:	735	< or = 500 mg/L	Aesthetic Objective	

Yield Test Comments (D10)

*Water well draw down of 0.29 m; 90% recovery in 2 minutes.
Drilling report original static level at 9.14 m - consistent with current testing.*

Any parameter exceedance relating to groundwater quality should be discussed with your local Health Office.
For further information call the Health Link line at 1-866-408-LINK (5465) or go to the following website link:
<http://www.healthlinkalberta.ca/default.htm>

Additional information regarding well maintenance can be obtained from the Alberta Government,
Agriculture and Rural Development document titled "Water Wells That Last for Generations", website link:
[http://www1.agric.gov.ab.ca/\\$department/deptdocs.nsf/all/aww04](http://www1.agric.gov.ab.ca/$department/deptdocs.nsf/all/aww04)

Additional information regarding water quality can be obtained from the Alberta Government,
Agriculture and Rural Development website at the following link:
<http://www.hrdc.gov.ab.ca/app21/info/page2.cfm?Section=WaterQA/QA>

Sincerely,

Lillian Chromack
403 850-6922

Yield Test

D-01	Was a yield test performed?	Yes	
D-02	If no, explain:	If a spring, indicate flow rate:	L/min

Water Well:

D Water Well Information			
D-03	Distance between ground level and top of casing (in metres):	0.4	metres
D-04	Location from which water level measurements taken (datum): For example, TOC	TOC	
D-05	Non-pumping water level (in metres):	7.6	metres
D-06	Is this well flowing?	No	
NOTE: Water must be discharged from the well without going through the pressure system unless there is no practical alternative.			
D-07	Was the pressure system disconnected during the test?	No	
D-08	If not, explain circumstances:	No practical alternative	
D-09	Constant Pumping Rate:	22.6	L/min

Yield Test Comments

D-10 Water well draw down of 0.29 m; 90% recovery in 2 minutes.
Drilling report original static level at 9.14 m - consistent with current testing.

*note - pumping rate cannot fluctuate more than +/- 5% over the course of the drawdown cycle of the test

Presence of Gas:

E Presence of Gas			
E-01	Was free gas observed in flow through cell?	No	
E-02	Flow rate of water through flow through cell:	1.00	L/min
E-03	Total volume of water passed through the flow cell:	60.00	Litres
E-04	Total volume of gas collected in flow cell:	0.00	Litres
E-05	Location of sampling in water distribution system (e.g., at hydrant):		
E-06	Was sample collected after the pressure tank?		

Two Hour Yield Test:

		Drawdown Water levels should be measured from datum		Recovery Water levels must be recorded until the water level reaches 90% of the static level	
	Time of Measurement (min)	Water Level (m)	Discharge Rate (L/min)	Time of Measurement (min)	Water Level (m)
F-001	1.0			1.0	7.80
F-002	2.0			2.0	7.65
F-003	3.0			3.0	
F-004	4.0			4.0	
F-005	5.0			5.0	
F-006	6.0			6.0	
F-007	7.0			7.0	
F-008	8.0			8.0	
F-009	9.0			9.0	
F-010	10.0	7.87	22.4	10.0	
F-011	15.0	7.90		15.0	
F-012	20.0	7.90	22.6	20.0	
F-013	25.0	7.90		25.0	
F-014	30.0	7.91	22.6	30.0	
F-015	35.0	7.91		35.0	
F-016	40.0	7.91	22.5	40.0	
F-017	50.0	7.91		50.0	
F-018	60.0	7.91	22.9	60.0	
F-019	70.0			70.0	
F-020	80.0			80.0	
F-021	90.0			90.0	
F-022	100.0			100.0	
F-023	120.0			120.0	
F-024					

Alberta

Water Well Drilling Report

View in Imperial

Export to Excel

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

GIC Well ID
9716000
GoA Well Tag No.
Drilling Company Well ID
Date Report Received
2014/09/03

TOWN ID				Well Identification and Location			
Owner Name WATSON, DAVID & SUSAN		Address P.O. BOX 571		Town ALDER FLATS		Province ALBERTA	
Location 14 or LSD 16		SEC 22		TWP 46		Range 7	
Measured from Boundary of 60.96 m from North		Quarter 30.48 m from East		GPS Coordinates in Decimal Degrees (NAD 83) Latitude 52.987650		Longitude -114.922991	
How Location Obtained Not Verified		How Location Obtained Not Verified		Plan Block		Additional Description Block	
Elevation m		How Elevation Obtained Not Obtained		Country CANADA		Postal Code T0C 0A0	

Drilling Information		Type of Work	
Method of Drilling Rotary - Mud		New Well	
Proposed Well Use Domestic			

Formation Log		Yield Test Summary	
Depth from ground level (m)	Lithology Description	Recommended Pump Rate	Static Water Level (m)
9.14	Brown Clay	45.46 L/min	9.14
32.00	Blue Till		
51.21	Sandy Gravel		
80.77	Mixed Till & Gravel		
83.21	Gray Shale		
86.87	White Sandstone		

Well Completion		Well Casing/Liner	
Total Depth Drilled	Finished Well Depth	Slant Date	End Date
86.87 m	86.87 m	2014/02/21	2014/02/21
Borehole			
Diameter (cm)	From (m)	To (m)	
20.00	0.00	82.60	
13.02			
Size OD	15.24 cm	Size OD	11.43 cm
Wall Thickness	1.270 cm	Wall Thickness	0.635 cm
Bottom at	82.60 m	Top at	80.77 m
		Bottom at	86.87 m

Perforations	
Diameter or Slot Width (cm)	Slot Length (cm)
From (m)	To (m)

Perforated by	
Annular Seal	Bentonite Slurry
Placed from	0.00 m to 82.60 m
Amount	271.00 Feet
Other Seals	

Screen Type	
Slotted PVC	
Size OD	11.43 cm
From (m)	To (m)
80.77	86.87

Attachment	
Telescoped	
Top Fittings	Bottom Fittings

Pack	
Type	Artificial
Amount	7.00 Bags
	Grain Size 10-20

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No.
RUBEN NORMAN	3469AD
Company Name	Copy of Well report provided to owner
Aqua Waterwell & Geothermal Drilling	Yes
	Date approval holder signed
	2014/02/22

Certificate of Analysis

CLIENT NAME: CASTLE ENVIRONMENTAL

AGAT WORK ORDER: 19C480325

PROJECT: Bon 08-22-046-07W5M

ATTENTION TO: Lillian Chomack

SAMPLING SITE:

SAMPLED BY:

Routine Chemistry - Coal Bed Methane Water Quality						
SAMPLE TYPE: Water		SAMPLE ID: 276425		DATE RECEIVED: Jun 14, 2019		
DATE SAMPLED: Jun 14, 2019		DATE REPORTED: Jun 27, 2019				
SAMPLE DESCRIPTION: Watson 08-22-046-07W5M						
PARAMETER	UNIT	RESULT	G / S	RDL	DATE ANALYZED	DATE PREPARED
pH	pH Units	8.43	7.0-10.5	N/A	Jun 19, 2019	Jun 19, 2019
p - Alkalinity (as CaCO3)	mg/L	7		5	Jun 19, 2019	Jun 19, 2019
T - Alkalinity (as CaCO3)	mg/L	464		5	Jun 19, 2019	Jun 19, 2019
Bicarbonate	mg/L	550		5	Jun 19, 2019	Jun 19, 2019
Carbonate	mg/L	8		5	Jun 19, 2019	Jun 19, 2019
Hydroxide	mg/L	<5		5	Jun 19, 2019	Jun 19, 2019
Electrical Conductivity	uS/cm	1220		5	Jun 19, 2019	Jun 19, 2019
Electrical Conductivity	dS/m	1.22		0.005	Jun 19, 2019	Jun 19, 2019
Chloride	mg/L	2	(250)	1	Jun 15, 2019	Jun 15, 2019
Fluoride	mg/L	0.78	1.5	0.05	Jun 15, 2019	Jun 15, 2019
Nitrate	mg/L	<0.5	45	0.5	Jun 15, 2019	Jun 15, 2019
Nitrate-N	mg/L	<0.02	10	0.02	Jun 15, 2019	Jun 15, 2019
Nitrite-N	mg/L	<0.01	1	0.01	Jun 15, 2019	Jun 15, 2019
Sulfate	mg/L	188	(500)	1	Jun 15, 2019	Jun 15, 2019
Dissolved Calcium	mg/L	10.2		0.3	Jun 20, 2019	Jun 20, 2019
Dissolved Magnesium	mg/L	4.1		0.2	Jun 20, 2019	Jun 20, 2019
Dissolved Sodium	mg/L	251	(200)	0.6	Jun 20, 2019	Jun 20, 2019
Dissolved Potassium	mg/L	1.0		0.6	Jun 20, 2019	Jun 20, 2019
Dissolved Iron	mg/L	<0.1	(0.3)	0.1	Jun 20, 2019	Jun 20, 2019
Dissolved Manganese	mg/L	<0.005	0.05	0.005	Jun 20, 2019	Jun 20, 2019
Total Iron	mg/L	<0.1	(0.3)	0.1	Jun 25, 2019	Jun 25, 2019
Total Manganese	mg/L	<0.005	(0.05)	0.005	Jun 25, 2019	Jun 25, 2019
Turbidity	NTU	<0.5	VARIABLE	0.5	Jun 15, 2019	Jun 15, 2019
Colour, Apparent	Colour Units	<5		5	Jun 15, 2019	Jun 15, 2019
Sodium Adsorption Ratio		16.8			Jun 20, 2019	Jun 20, 2019
Ion Balance	%	89		1	Jun 20, 2019	Jun 20, 2019
Hardness	mg CaCO3/L	42.4		0.5	SYS	SYS
Nitrate + Nitrite - Nitrogen	mg/L	<0.02		0.02	SYS	SYS
Ion Balance	%	88.7		0.001	SYS	SYS
Calculated TDS	mg/L	735		1	SYS	SYS

Certified By:

AGAT CERTIFICATE OF ANALYSIS (V1)

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation.

Results relate only to the items tested. Results apply to samples as received.