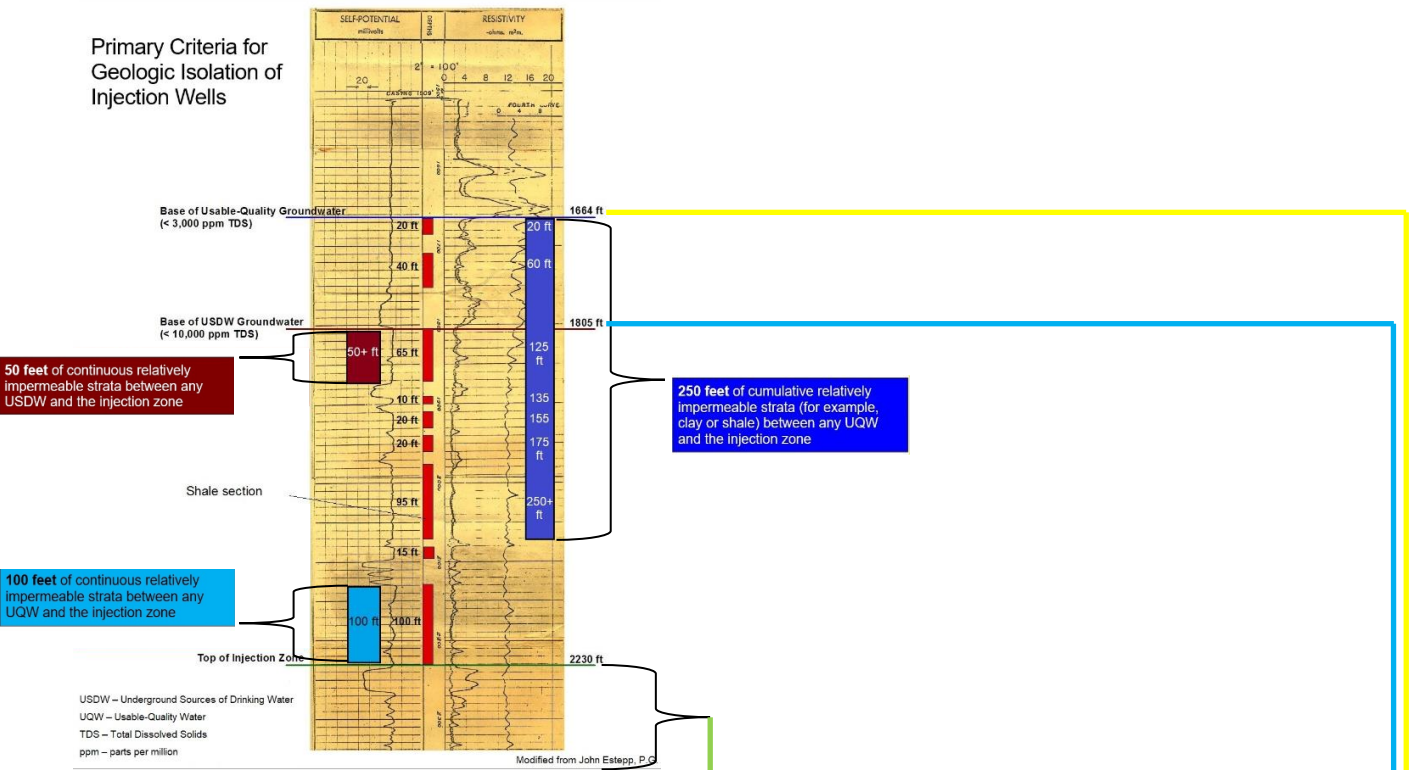


Injection Well Geologic Isolation Example

Primary Criteria for Geologic Isolation of Injection Wells



GROUNDWATER PROTECTION DETERMINATION		Form GW-2	
Groundwater Advisory Unit			
Date Issued:	10 March 2021	GAU Number:	296480
Attention:	STATE OF TEXAS 123 Sam View Dr. CANADA, TX 12345	API Number:	12345678
Operator No.:	012345	County:	MARTIN
		Lease Name:	Bodacious SWD
		Lease Number:	
		Well Number:	1
		Total Vertical:	2300
		Latitude:	32.164950
		Longitude:	-101.981790
		Datum:	NAD27
Purpose:	Injection into Non-producing Zone (W-14)		
Location:	Survey-T&P RRC Co. Survey, Abstract-A-0000, Block-22, Section-1		
To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Railroad Commission of Texas recommends:			
The base of usable-quality water-bearing strata is estimated to occur at a depth of 1664 feet at the site of the referenced well.			
The BASE OF UNDERGROUND SOURCES OF DRINKING WATER (USDW) is estimated to occur at a depth of 1805 feet at the site of the referenced well.			
This recommendation is applicable to all wells within a radius of 200 feet of this location.			
Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. Unless stated otherwise, this recommendation is for normal drilling, production, and plugging operations only.			
This determination is based on information provided when the application was submitted on 03/10/2021. If the location information has changed, you must contact the Groundwater Advisory Unit, and submit a new application if necessary. If you have questions, please contact us at 512-463-2741 or gau@rc.texas.gov.			
Groundwater Advisory Unit, Oil and Gas Division			
Form GW-2 Rev. 02/2014	P.O. Box 12967 Austin, Texas 78771-2967	512-463-2741	Internet address: www.rc.texas.gov

CHRISTI CRADDICK, CHAIRMAN
 WAYNE CHRISTIAN, COMMISSIONER
 JIM WRIGHT, COMMISSIONER

DANNY SORRELLS
 ASSISTANT EXECUTIVE DIRECTOR
 DIRECTOR, OIL AND GAS DIVISION
 JAMES HARCOURT, P.G.
 MANAGER, GROUNDWATER ADVISORY UNIT

RAILROAD COMMISSION OF TEXAS
 OIL AND GAS DIVISION

March 10, 2021

State of Texas
 123 Sam View Dr.
 Canada, TX 12345

Attn: Mr. James Harcourt

Re: Application to Dispose of Oil and Gas Waste by Injection (RRC Form W-14)
 Bodacious SWD, Well No. 1, API: 123-45678
 452 Feet FNL, 377 Feet FWL, Sec. 1, BLK 22, T&P RRC CO Survey, A-0000
 Martin County, Texas (D-437) (GAU No. 296480)

Dear Mr. Harcourt:

This letter is in response to your referenced application for a Railroad Commission of Texas permit to dispose of oil and gas waste into strata in the depth interval from 2,235 feet to 4,100 feet. Our review of the data contained in the application and of other available geologic data indicates, if otherwise compliant with Railroad Commission of Texas rules and guidelines, that drilling and using this disposal well and injecting oil and gas waste into the subsurface stratum will not endanger the freshwater strata in that area.

The base of usable-quality groundwater occurs to a depth of approximately 1,664 feet in accordance with GAU Letter No. 296480. The base of the Underground Source of Drinking Water (USDW) is estimated to be 1,805 feet. If you have any questions about this letter, please contact Heather Hesskew, Groundwater Advisory Unit, by telephone at (512) 463-2741, by e-mail at GAU@rc.texas.gov, or in writing at the address shown on the letterhead (specify Mail Code MC 455-19 on the first line of the address).

W14_012345_317_Bodacious_SWD_D437_20210310.pdf

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