

Additional Information

Updated Casing design on 1/17/2020

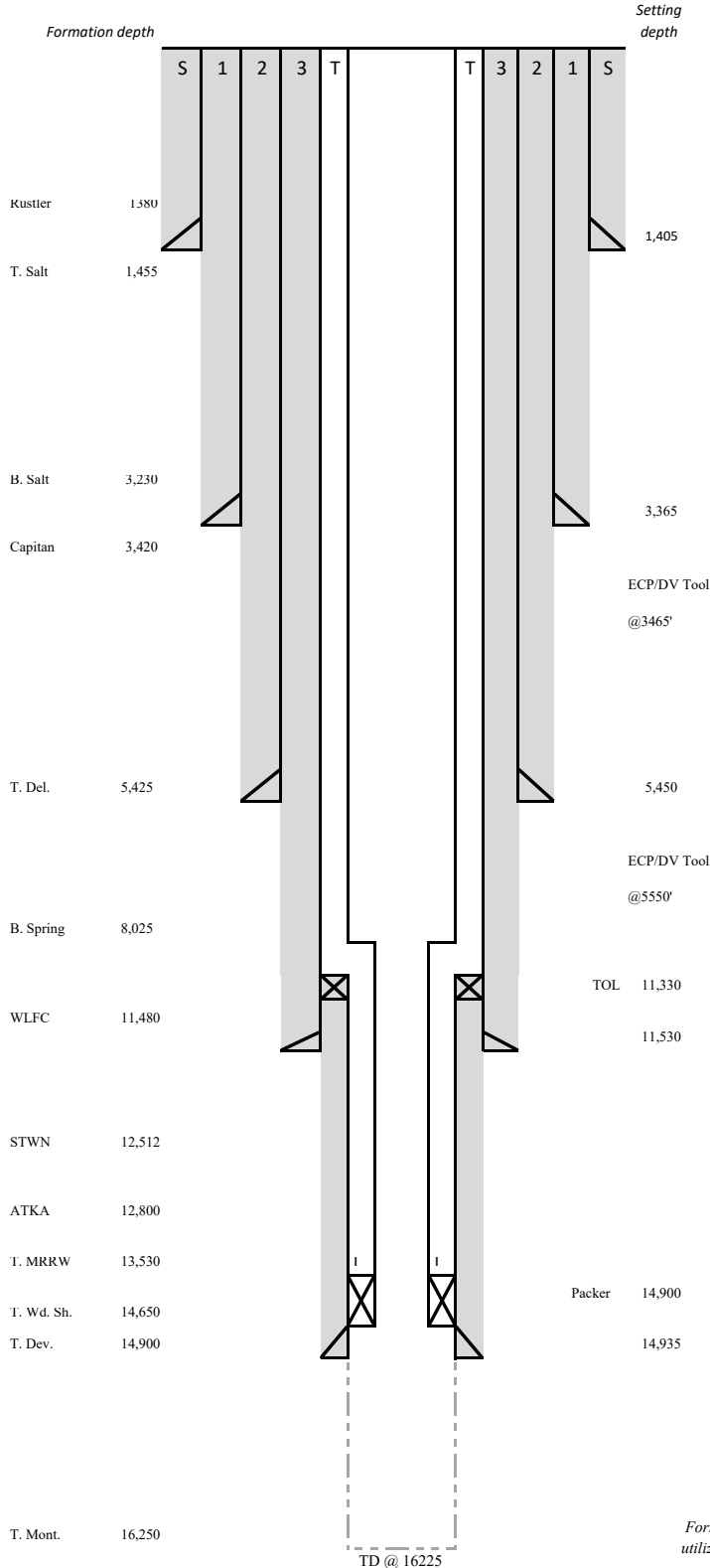
INJECTION WELL DATA SHEET

OPERATOR: LilyStream Water Solutions, LLC

WELL NAME & NUMBER: Coombes SWD #1

WELL LOCATION	1630' FSL	& 200' FEL	I	22	20S	33E
	FOOTAGE LOCATION		UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size 26 in. Casing Size: 20 in.
 Setting Depth: Surface ft. to 1405 ft.
 Cemented with: 961 sx. or _____ ft³
 Top of Cement: Surface Method Determined Circulation

1st Intermediate Casing

Hole Size 18.5 in. Casing Size: 16 in.
 Setting Depth: Surface ft. to 3,365 ft.
 Cemented with: 809 sx. or _____ ft³
 Top of Cement: Surface Method Determined Circulation

2nd Intermediate Casing

Hole Size 14.75 in. Casing Size: 13.375 in.
 Setting Depth: Surface ft. to 5,450 ft.
 Cemented with: 884 sx. or _____ ft³
 Top of Cement: Surface Method Determined Circulation

3rd Intermediate Casing

Hole Size 12.25 in. Casing Size: 9.625 in.
 Setting Depth: Surface ft. to 11,530 ft.
 Cemented with: 1990 sx. or _____ ft³
 Top of Cement: Surface Method Determined Circulation

Liner

Hole Size 8.5 in. Casing Size: 7.625 in.
 Setting Depth: 11,330 ft. to 14,935 ft.
 Cemented with: 211 sx. or _____ ft³
 Top of Cement: 11330 TOL Method Determined Volumetric

Open Hole Injection Interval

14,935 ft. to 16,225 ft.

Formation tops have been extrapolated from control wells in the vicinity. During drilling activities, mud and other logs will be utilized to confirm depths and thicknesses of geologic formations. Should logging data indicate adjustments are required to the casing and cement program, applicable Sundry Notices will be filed with the NMOCD.

Not to Scale

INJECTION WELL DATA SHEET

Tubing Size: 7" tapered to 5.5" Lining Material: Fiberglass
Type of Packer: 5.5" Perma-Pak or Equivalent (Inconel)
Packer Setting Depth: 14,900 Ft.
Other Type of Tubing/Casing Seal (if applicable): Not Applicable

Additional Data

1. Is this a new well drilled for injection? XXX Yes No
If no, for what purpose was the well originally drilled? N/A
2. Name of the Injection Formation: Devonian-Silurian
3. Name of Field or Pool (if applicable): SWD; Devonian-Silurian
4. Has the well ever been perforated in any other zones (s)" List all such perforated intervals and give plugging detail, i.e. sacks of cement or plugs(s) used. N/A
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

<i>name</i>	<i>depth</i>
T. Rustler	1,380
T. Salt	1,455
B. Salt	3,230
T. Yates	3,315
T. Capitan	3,420
T. Delaware	5,425
T. Bone Spring	8,025
T. Wolfcamp	11,480
T. Strawn	12,512
T. Atoka	12,800
T. Morrow	13,530
T. Woodford	14,650
T. Devonian	14,900
T. Montoya	16,250

There are no known oil and gas zones underlying the proposed injection interval

III. Well Data

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1)

General Well Information	
Operator	Permian TDS, LLC
Lease Name & Well No.	Coombes SWD #1
Location	1630' FSL & 200' FEL, UL I, Sec. 22, T20S, R33E

(2)

Casing Information							
String	Size	Weight/Grade	Setting Depth	Sacks of Cement	Hole Size	Estimated Top of Cement	Method of Determination
Surface	20"	106.5# J-55 STC	1,405'	961	26"	Surface	Circulation
Intermediate 1	16"	75# J-55 STC	3,365'	809	18.5"	Surface	Circulation
Intermediate 2	13.375"	61# J-55 FJ	5,450'	884	14.75"	Surface	Circulation
Intermediate 3	9.625"	40# HCL-80 BTC	11,530'	1,990	12.25"	Surface	Circulation
Liner	7.625"	39# P-110 FJ	11,330-14935'	211	8.5"	11,330 (TOL)	Volumetric
Open Hole	NA	NA	14,935-16,225'	NA	6.5"	NA	CBL

(3)

Description of Tubing			
Size	Weight/Grade	Lining Material	Setting Depth
7"	26# HCP-110 FJ	Fiberglass Lined	11,330'
5.5"	17# HCL-80 FJ	Fiberglass Lined	14,890'

(4)

Packer Information	
Type	Setting Depth
5.5" Perma-Pak or Equivalent (Inconel)	14,900'

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1)

Injection Information	
Name of Injection Formation:	Devonian -Silurian, Montoya
Injection Interval:	14,935' to 16,225'
Perforated or Open-Hole:	Open Hole
Purpose of Well:	New Drill for Salt Water Disposal
Other Perforated Intervals:	None

(5)

Estimated Depth of Various Formations Including Oil and Gas Zones (Ft. bgs)	
T. Rustler	1,380
T. Salt	1,455
B. Salt	3,230
Yates	3,315
T. Capitan	3,420
T. Delaware	5,425
T. Bone Spring	8,025
T. Wolfcamp	11,480
T. Strawn	12,512
T. Atoka	12,800
T. Morrow	13,530
T. Woodford Shale	14,650
T. Devonian	14,900
T. Montoya	16,250

There are no known oil and gas zones beneath the proposed injection zone.