

Additional Information

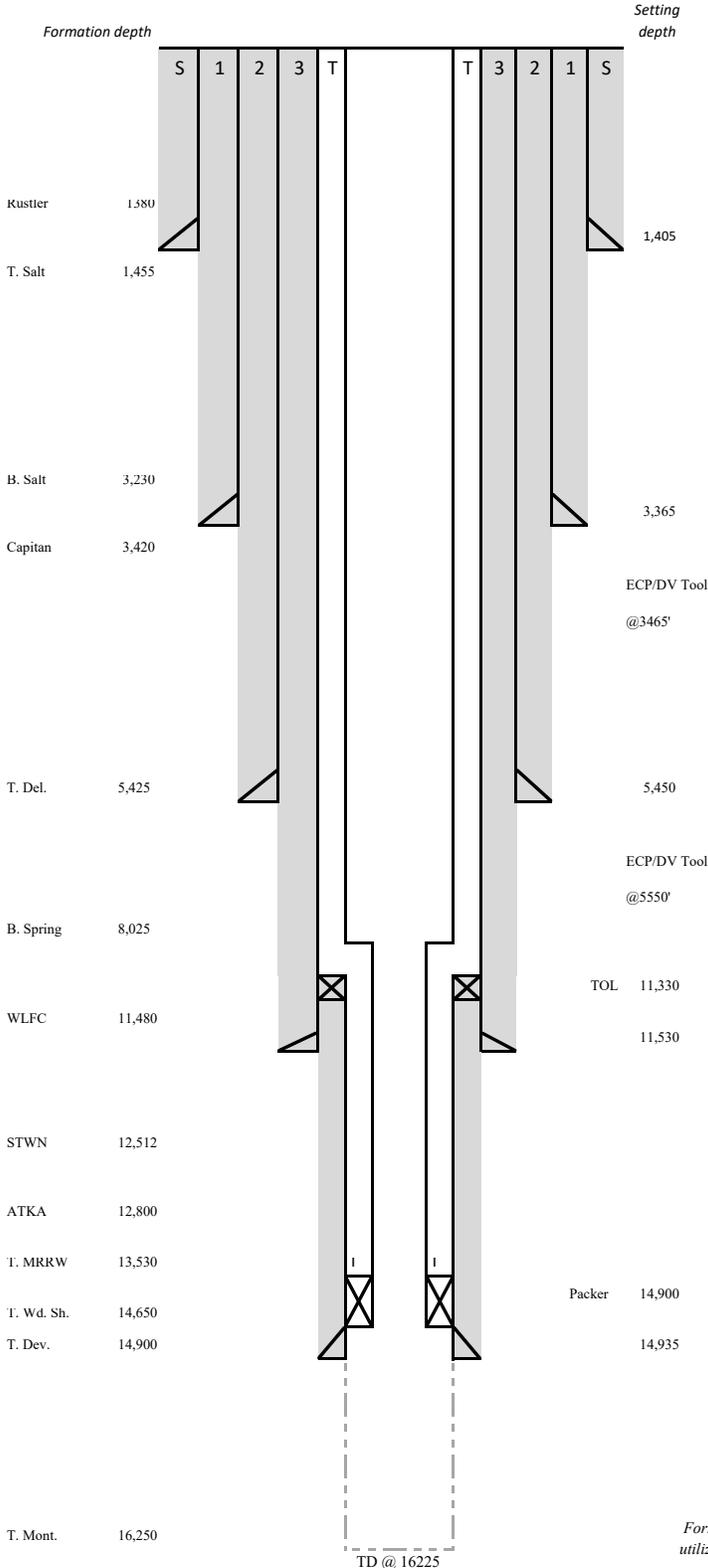
Updated Casing design on 1/17/2020

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

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:

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

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

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'

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.

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

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.