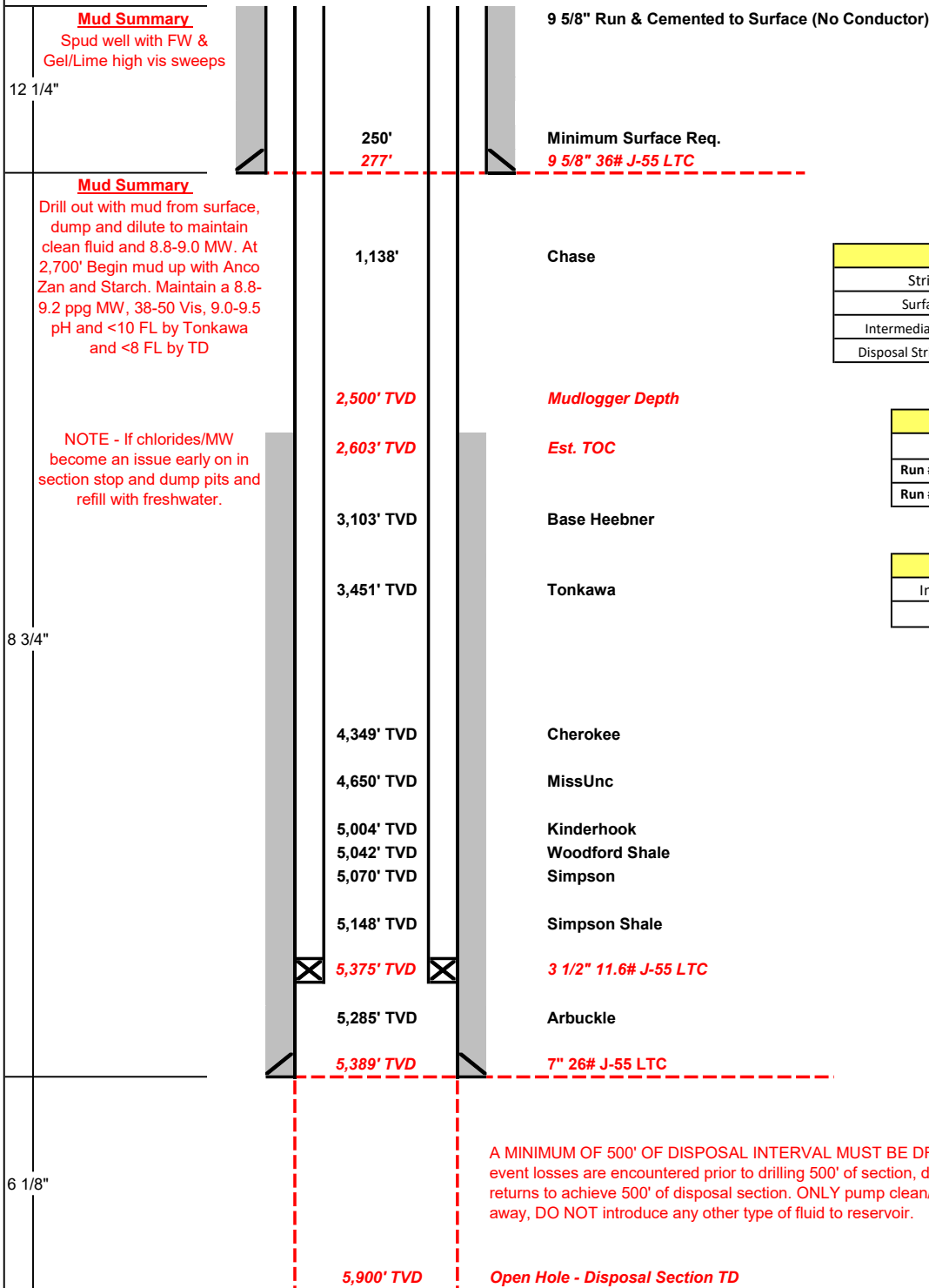


Well: Louise 3504 SWD 1-8
 Prospect: Bluff Creek
 County: Sumner County / Kansas
 Surface: 350' FNL & 2472' FWL Sec. 8-35S-4W
 PBHL: 350' FNL & 2301' FWL Sec. 8-35S-4W
 GL: 1,217'

Drilling Engineer: Joel Acosta
 Drilling Manager: Brock Knapp
 Completions: Crescent
 Geology: Jack Austin
 Production: Alex Rodriguez
 API: 15-191-22792-00-00



Well Profile: Vertical SWD



Wellhead Equipment	
Tubing Head	11" 5M x 7-1/6" 5M
Casing Spool	N/A
Wellhead	9 5/8" SOW x 11" 5M

Tubular Detail						
String	Size	Wt	Grade	Conn	From	To
Surface	9 5/8"	36#	J-55	LTC	0'	277'
Intermediate	7"	26#	J-55	LTC	0'	5,389'
Disposal String	3 1/2"	11.6#	J-55	LTC	0'	5,375'

Logging Program			
	Detail	From	To
Run #1	Triple Comb	5389	277'
Run #2	N/A	N/A	N/A

Disposal Interval		
Interval #	Top	Bottom
1	5,389'	5,900'

Engineer	Date	Cementing	Logging Company	Mud Loggers	Mud Company	Directional
Joel Acosta	9/27/2017	O-Tex	Halliburton	Toledo	Anchor Drilling Fluids	Skyline Directional
		(918) 568-9821	(620) 629-0602	(318) 590-9755	(405) 694-5700	(405) 620-7128
(405) 441-4393	9/27/2017	Float Equipment	Drill Pipe	Wellhead Company	Casing	Regulatory
		O-Tex	Patterson	Patroit	Meridian	KCC
		(918) 568-9821	(405) 401-4900	(405) 445-5979	(405) 471-6656	(316) 772-6646