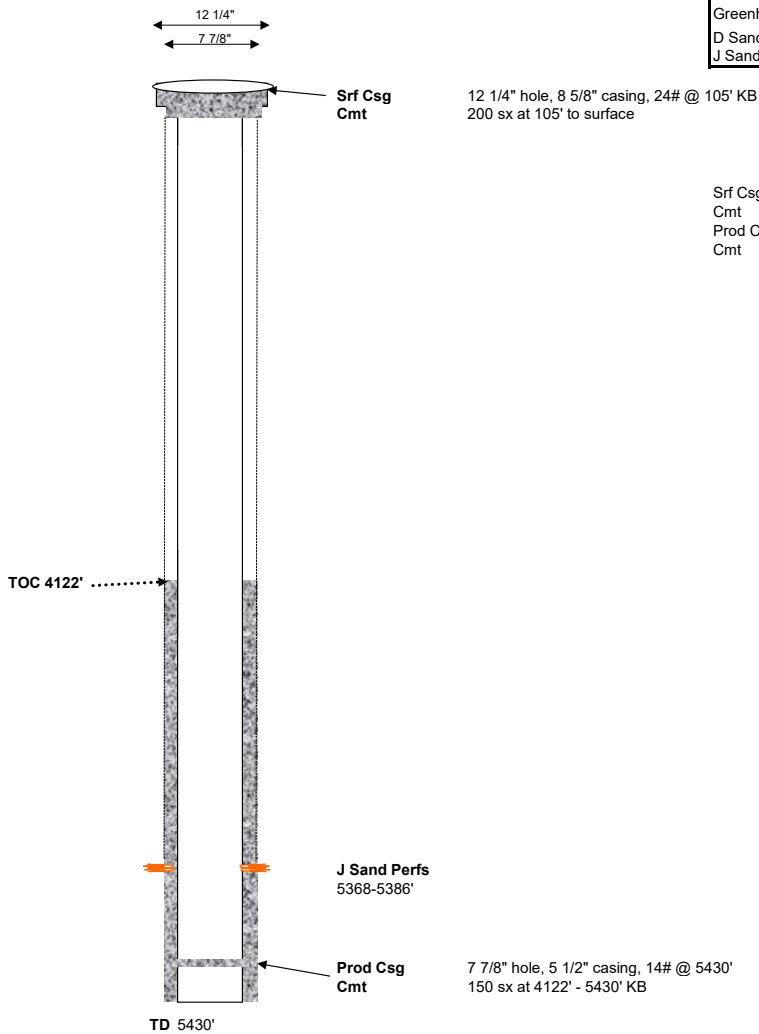


Western Operating Company



General Well Info			
Well Name:	Budin #1	Field:	Liberty West
Diagram Date:	1/14/2025	County:	Logan
Srf Location:	SWNE 6 8N54W 6	State:	CO
Spud Date:	7/21/1969	API #:	05-075-08152
GL Elev:	4383'		
Formation Tops			
Zone	Depth	Zone	Depth
Niobrara	4430'		
Carlile	4781'		
Greenhorn	4972'		
D Sand	5226'		
J Sand	5330'		

Srf Csg 12 1/4" hole, 8 5/8" casing, 24# @ 105' KB
Cmt 200 sx at 105' to surface
Prod Csg 7 7/8" hole, 5 1/2" casing, 14# @ 5430'
Cmt 150 sx at 4122' - 5430' KB

TOC Calculation		
15# cement	1.51	cuft/sx
slurry density	150	sx
Volume of cement	226.5	cuft
Piping	5.7737	ft/cuft
Cement height	1307.7431	ft
Casing Set Depth	5430	ft
Calculated TOC	4122	ft