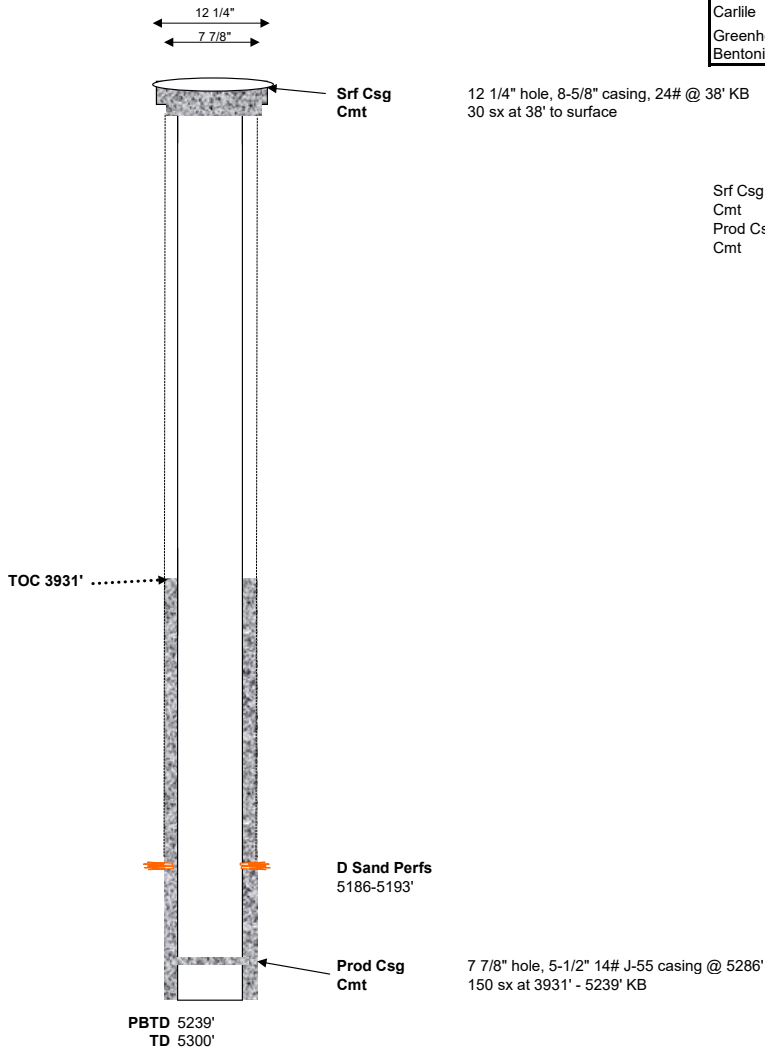


Western Operating Company

General Well Info			
Well Name:	Bobcat D Sand Unit #23	Field:	Bobcat
Diagram Date:	1/17/2025	County:	Washington
Srf Location:	NENW 16 1S56W 6	State:	CO
Spud Date:	2/7/1962	API #:	05-121-06551
GL Elev:	4556'		
Formation Tops			
Zone	Depth	Zone	Depth
Niobrara	4270'	D Sand	5139'
Ft. Hays	4688'	J Sand	5220'
Carlile	4738'		
Greenhorn	4807'		
Bentonite	5049'		



Srf Csg 12 1/4" hole, 8-5/8" casing, 24# @ 38' KB  
Cmt 30 sx at 38' to surface  
Prod Csg 7 7/8" hole, 5-1/2" 14# J-55 casing @ 5286'  
Cmt 150 sx at 3931' - 5239' 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	5239	ft
Calculated TOC	3931	ft