

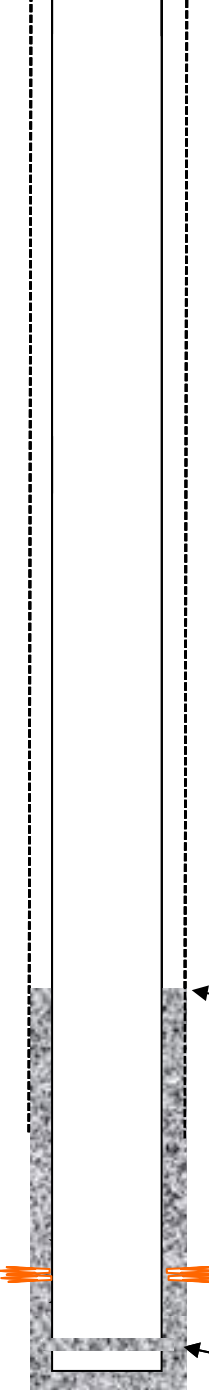


Impetro Resources, LLC

12 3/4"
7 7/8"



Srf Csg 12 3/4" hole, 8 5/8", 24# @ 114'
Cement 90 sks at 114' to Surface



TOC @ 4050'

J Sand Perfs 4612'-4617'

Prod Csg 7 7/8" hole, 4 1/2", 10.5# @ 4711'
Cement 130 sks at 4050-4711'

TD 4715' KB

General Well Info

Well Name: Roderick #1 **Field:** Rowel
Diagram Date: 12/17/2024 **County:** Washington
Srf Location: SENW 13 3S54W **State:** Colorado
Spud: 12/13/1975 **API #:** 05-121-09091
GL Elev: 4791'

Formation Tops

Zone	Depth	Zone	Depth
Niobrara	3622'	Greenhorn	4238'
Fort Hays	4088'	Bentonite	4472'
Carlile	4144'	J Sand	4569'
		D Sand	4612'

Srf Csg 12 3/4" hole, 8 5/8", 24# @ 114'
Cmt 90 sks at 114' to Surface
1st Csg 7 7/8" hole, 4 1/2", 10.5# @ 4711'
Cmt 130 sks at 4050-4711'

TOC Calculation

14# cement	1.16	cuft/sx
slurry density	130	sx
Volume of cemen	150.8	cuft
Piping	4.385	ft/cuft
Cement height	661.258	ft
Casing Set Depth	4711	ft
Calculated TOC	4050	ft