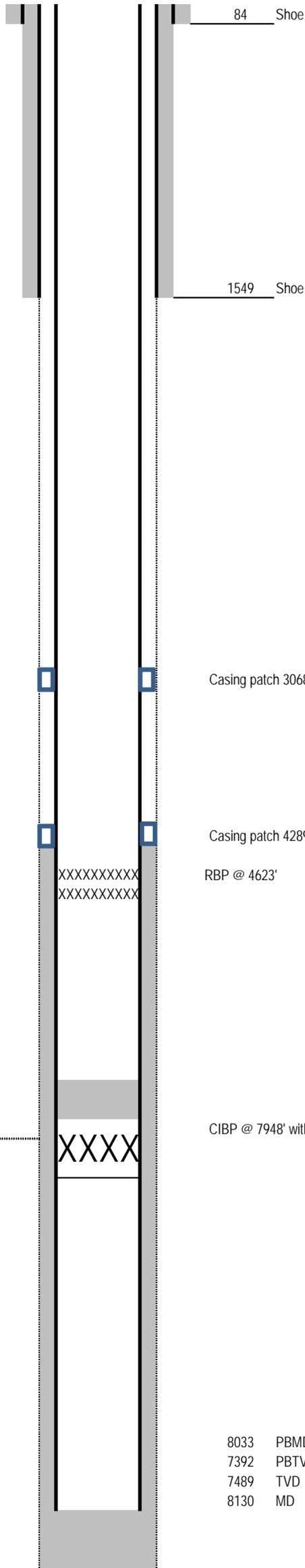


Laramie Energy

Current Well Bore Diagram

Not to Scale

Geological Tops	Depth
Ohio Creek	4782
Williams Fork	5322
Cameo	7196
Rollins	7873



Well Name Nichols 0994-13-20E
 API 05-077-10403
 Surface Location 1777 FNL & 2775 FEL
 GPS Coordinates Lat 39.264717 Long -107.830528
 Field Brush Creek
 County, State Mesa, Colorado
 Spud Date 2/3/2018
 Completion Date NA
 Diagram Date 7/9/2018
 KB Elevation 7137
 KB 24
 GL Elevation 7161

Hole	26"
Conductor	16" @ 84'
Cement	100 scks, cemented to surface

Surface Hole	11" @ 1549
Casing	8-5/8" 24# J55 STC @ 1549
Cement	Lead: 191 sx VariCem GJ5 @ 12 ppg = 85.5 bbls Tail: 107 sx Varicem GJ5 @ 12.5 ppg = 42.1 bbls
TOC	SURFACE

Production Hole	7.875" @ 8120
Casing	4-1/2" 11.6# P110 LTC @ 8120
Cement	Lead: 875 sx NeoCem GJ2 @ 12.7 ppg = 307.3 bbls Tail: 393 sx ThermaCem GJ2 @ 13.5 ppg = 129.4 bbls
TOC	2780

Casing patch 3068.5' - 3089' for collar leak at 3079'

Casing patch 4289.5' - 4311' for collar leak at 4300'

RBP @ 4623'

CIBP @ 7948' with 2 sxs cement dump bailed on top

8033 PBMD
 7392 PBTVD
 7489 TVD
 8130 MD