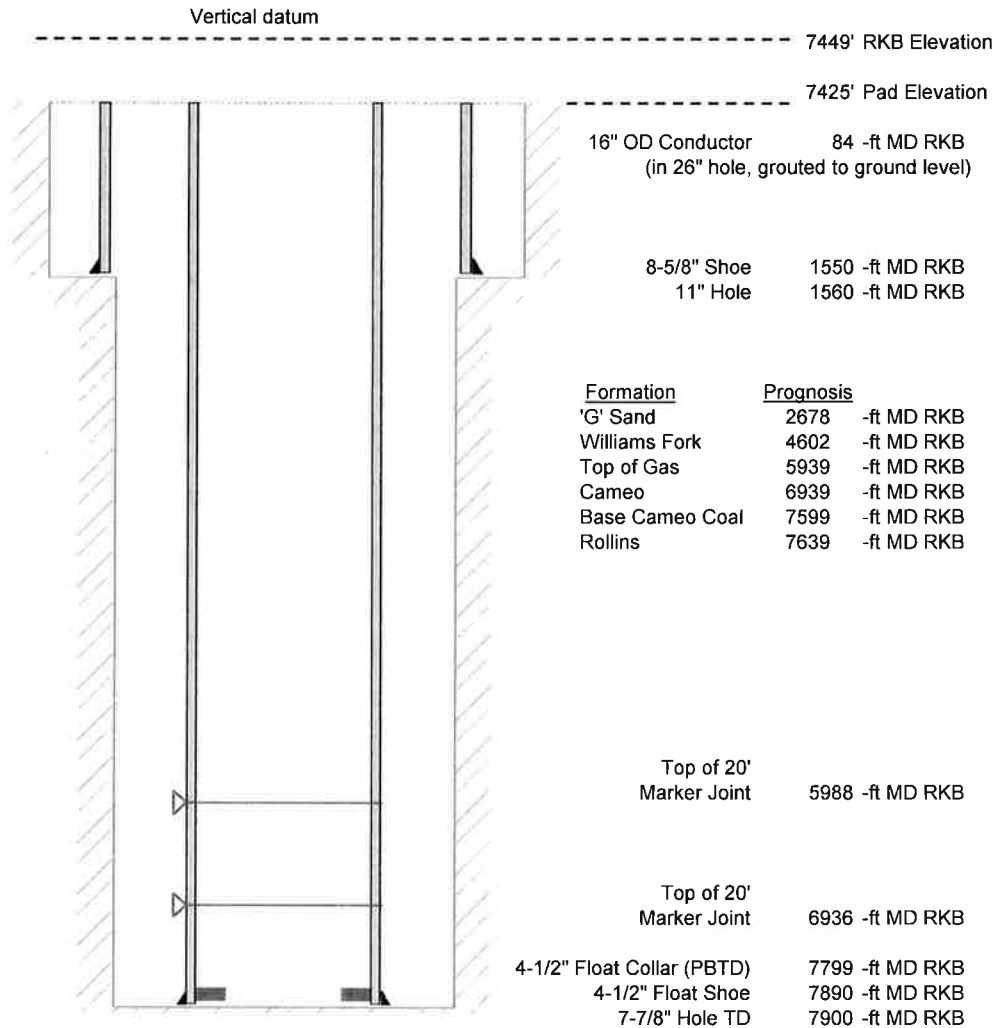


Laramie Energy, LLC
 Bruton 19-17E
 Slot A3
 H&P 290 (24-ft KB)

API #: 05-077-10367
 NE/4 NE/4 S30/T9S/R93W/6th PM
 Mesa County, CO
 Date of diagram : 7/21/2019



Cementing details

8-5/8" 24# J55 STC Surface Csg	Lead	Tail
Density (ppg)	12.3	12.8
Volume (sx)	191	124
Yield (cf/sx)	2.45	2.18
Top (ft RKB)	24	1024
Bottom (ft RKB)	1024	1550
Returns (full or partial)	full	full

4-1/2" 11.6# Nexteel-80 LTC Prod Csg	Lead	Tail
Density (ppg)	12.5	13.3
Volume (sx)	814	401
Yield (cf/sx)	1.94	1.73
Est Top (ft RKB)	1024	5739
Est Bottom (ft RKB)	5739	7890
Returns (full or partial)	Full	Full

Displacement
8.3 ppg
121 bbls

Other Remarks : Surface-20 bbls cement to surface Production-6
 bbls spacer to surface