

# HRM Resources

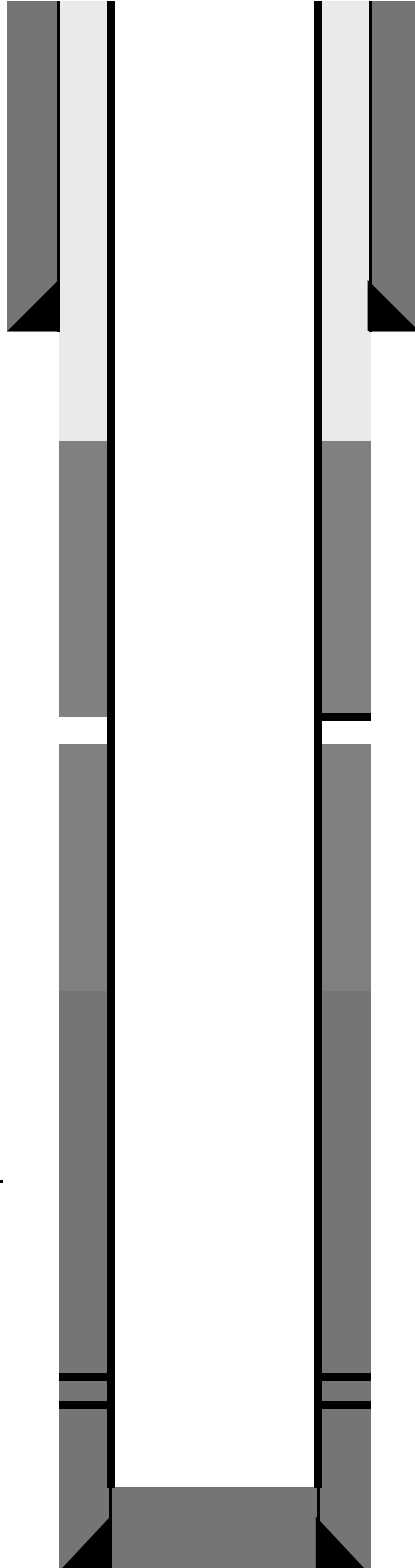
Drilling - Completion - Workover - Facilities

## WELLBORE DIAGRAM Before P&A

Well / Battery	API #	Total Depth	Est. Start Date
Alissa #1	05-087-08013	6,735'	
Location	Sec-Twn-Rng	Producing Horizon	County & State
NWSE	5-T6N-R60W	D Sand	Morgan

### WELLBORE DIAGRAM

#### Cementing Information



#### Surface Casing

8 5/8" 24# set at 226' TOC at surface  
12-1/4" OH

Upper Arapahoe - 541-432'

Lower Arapahoe - 880-609'

Laramie-Fox Hills - 1,420-1,164'

Cemented casing leak - TOC: 692' (CBL)

TOC: 2,237' (CBL)

Niobrara 6,060'-6,270'

Perfs at 6,688'-6,698' (D Sand)

#### Production Casing

4 1/2" 10.5 & 11.6# at 6,735"  
Cement - unknown

TD 6,735'