

PDC Energy
 Esther 1-23
 NESE 23-5N-65W
 Weld County, CO
 Proposed Wellbore - NOT TO SCALE!!!
 1/3/2014

API#: 05-123-12672

GL Elevation: 4639'

Surface Casing:
8 5/8" 24# @ 328' W/ 260 sks cmt.

First String
4 1/2" 11.6# @ 7050' w/ 220 sks cmt

Second String
0

Parkman

Top of Cement:
6100'

Perforations	
Old:	Codell: 6952'-6959'
	Niobrara: 6654'-6859'
	0
	0
New:	0
	0
	0
	0

CIBP @ 6600'

Niobrara

Codell

PBTD:	6996'
Casing TD:	0

NOTES

CIBP @ 6600' w/ 2 sx cement on top, cut casing @ 6000', set 50 sack stub plug @ 6000', set 200 sack plug to cover Parkman/Sussex (3500'-4500'), cement from 500' to surface, dump 10 sacks @ surface