

**Foundation Energy Management, LLC**  
**Drilling - Completion - Workover - Facilities**  
**WELLBORE DIAGRAM**

Well / Battery <b>Bass Box Elder Invest #11-34</b>	Prospect Name Paladin	Total Depth 8,314'	Estimated Start Date 11/1/2015
Location NESE	Sec-Twn-Rng 11-3S-6SW	Producing Horizon DSND	County & State Adams County, CO

**WELLBORE DIAGRAM**

General Info

API #: 05-001-08370  
Field Name: Mandella  
  
KB Elevation: 5,433'  
GL Elevation: 5,423'  
  
Spud Date: 24 February 1984  
Completion Date: 30 March 1984

TD: 8,314'

Formation tops

Denver 671' - 103'  
Upper Arapaho 898' - 713'  
Lower Arapaho 1,219' - 973'  
Fox Hill/Laramie aquifer 1,793' - 1,546'  
Niobrara 7,425' (top)  
D Sand 8,106' (top)  
J Sand 8,183' (top)

Surface Casing

8-5/8" 24# @ 290' in 12-1/4" Hole  
K55 ST&C Casing  
300 sx Class G - TOC @ Surface

Port Collar

1,512' w/100 sxs 50/50 pozmix, TOC: 785' (Calc)

Tubing

Tubing set @ +/- 7,990'

Stimulation

BREAKDOWN: 50%-3% KCL, 50%-Methanol  
FRAC: 70%-CO2 Foam, 20%-KCL, 10%-Methanol  
52,000# 20/40 Mesh Sand

Perforations

8,110' - 8,150' (DSND)

Production Casing

5-1/2", 15.5#/17# @ 8,314' in 7-7/8" Hole  
200 sx cmt  
TOC @ 6,987' (Calculated to be confirmed via CBL)

Original PBTD: 8,219'  
TD: 8,314'