

## WELBORE DIAGRAM

Bonanza Creek Energy

Antelope F-J-31H2

SHL: 410' FSL & 1265' FWL NWNW  
BHL: 460' FSL & 1358' FWL  
Sec 31 T5N R62W  
Weld County, CO  
05-123-35994

KB Elev 4623' ft  
GL Elev 4608' ft  
KB to GL 15' ft

Updated Date

3/11/2013

Spud Date: 9/25/2012

9-5/8" 36# J-55 SURF CSG  
@ 436' (13-1/2" HOLE)

436 ft

TOC  
ft

7" 26# P-110

KOP  
5865 ftTVD  
6362 ft

6867 ft

TOL= 6767'

Sleeve Top

Packer Tops

Surface Casing	
9 5/8" 36# J-55 @ 436' (13.5" hole)	
Intermediate Casing	
7" 26# P-110 @ 6867' (8.75" hole)	
Liner	
4 1/2" 11.6# N-80 Top @ 6767' Bottom @ 10960'	
Tubing Detail	
KB	15'

	7041'	7284'	7494'	7728'	7931'	8174'	8374'	8619'	8820'	9063'	9263'	9507'	9744'	9944'	10186'	10386'	10625'	10857'	Float Collar 10,904'	Shoe 10,948'	TD 10,960'
	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1			
	6939'	7181'	7382'	7624'	7826'	8071'	8271'	8516'	8716'	8960'	9159'	9404'	9602'	9841'	10084'	10282'	10526'	10717'			

Stage	Sleeve Top (Ft)	Ball Size (Bbls)	Rounddown Flush (Bbls)	-30 Bbls Flush - Slowdown (Bbls)
1	10,857	1,625	322.06	292
2	10,625	1,750	318.45	288
3	10,386	1,875	314.74	284
4	10,186	2,000	311.63	281
5	9,944	2,125	307.87	277
6	9,744	2,250	304.76	274
7	9,507	2,375	301.08	271
8	9,263	2,500	297.29	267
9	9,063	2,625	294.18	264
10	8,820	2,750	290.40	260
11	8,619	2,875	287.28	257
12	8,374	3,000	283.47	253
13	8,174	3,125	280.38	250
14	7,931	3,250	276.59	246
15	7,728	3,375	273.43	243
16	7,484	3,500	269.64	239
17	7,284	3,625	266.53	236
18	7,041	3,750	262.76	232