

WELL NAME:	WELLS RANCH #33-14					OPERATOR:	BONANZA CREEK ENERGY OPERATING CO.		
FIELD:	WATTENBERG					FORMATION:	NIOBRARA-CODELL		
SHL:	qtr-qtr	NWSE	Section	14	Township	5N	Range	63W	
BHL:	qtr-qtr	NWSE	Section	14	Township	5N	Range	63W	
COUNTY:	WELD		STATE:	CO		API:	05-123-23379-00		

not to scale	
GROUND LEVEL:	4630'
KELLY BUSHING:	4640'
SPUD DATE:	12/15/2005
TD DATE:	12/19/2005

8 5/8" csg @
403'

SURFACE CASING	
SIZE:	8 5/8"
WEIGHT:	
HOLE SIZE:	11"
HOLE DEPTH:	403'
CSG DEPTH:	403'
CEMENT:	280 SKS
TOC:	SURFACE

PRODUCTION CASING	
SIZE:	4 1/2"
WEIGHT:	
HOLE SIZE:	7 7/8"
TOTAL DEPTH TVD	6772'
TOTAL DEPTH MD	6772'
CSG DEPTH:	6757'
CEMENT:	150 SKS
TOC:	5560'

STAGE CEMENT 1ST STRING 1	
CEMENT	265 SKS
CEMENT TOP:	2165'
CEMENT BTM:	5560'

PRODUCTION TUBING	
SIZE:	2-3/8"
WEIGHT:	N/A
DEPTH:	6540'
TBG SET DATE:	6/13/2008

FORMATION TOPS & PERFORATIONS	
NIOBRARA MD	6296'
PERFORATIONS	6306' - 6394'
CODELL MD	6552'
PERFORATIONS	6556' - 6562'

FRAC DATA

1/9/2006: CODEL - BJ SERVICES FRAC'D USING 2615 BBL OF 20# VISTAR GEL, 217,360# OF 20/40 FRAC SAND, AND 8000# OF SUPER LC 20/40 RESIN COATED SAND.
6/9/2008: NBRR - PERF NBRR-A 6306-10' (4 HOLES), NBRR-B 6384-94' (30 HOLES), FRAC'D NBRR W/1000 GAL 15% HCL; 1667 BBL SLICKWTR PAD; 143 BBL SILVERSTM 22# PAD; 2286 BBL SILVRSTM 22# FLUID SYSTEM; 238,180# 30/50 WHITE SAND & 12,000# SB EXCEL 12/20 RESIN COATED PROPPANT

EOT 6540'

Production Csg @ 6757'
MD 6772'