

WELL NAME:	State Antelope #44-1-36XRLNB					OPERATOR:	BONANZA CREEK ENERGY OPERATING COMPANY LLC				
FIELD:	WATTENBERG					FORMATION:	NIOBRARA				
SHL:	qtr-qtr	SESE	Section	1	Township	5N	Range	62W			
BHL:	qtr-qtr	NENE	Section	36	Township	6N	Range	62W			
COUNTY:	WELD		STATE:	CO		API:	05-123-41159				

not to scale	
GROUND LEVEL:	4658'
KELLY BUSHING:	4675'
SPUD DATE:	6/6/2015
TD DATE:	7/14/2015

9 5/8" csg @ 448'

SURFACE CASING	
SIZE:	9 5/8"
WEIGHT:	36#
HOLE SIZE:	13 1/2"
HOLE DEPTH:	448'
CSG DEPTH:	448'
CEMENT:	265 SKS
TOC:	Surface

PRODUCTION CASING	
SIZE:	4 1/2"
WEIGHT:	11.6#
HOLE SIZE:	6 1/8"
HOLE DEPTH MD:	15903'
HOLE DEPTH TVD:	6184'
CSG DEPTH:	15898'
CEMENT:	910 SKS
TOC:	6398'

INTERMEDIATE CASING	
SIZE:	7"
WEIGHT:	26#
HOLE SIZE:	8 3/4"
HOLE DEPTH:	6655'
CSG DEPTH:	6655'
CEMENT:	840 SKS
TOC:	221'

PRODUCTION TUBING	
SIZE:	2-3/8"
WEIGHT:	4.7#
DEPTH:	6354'
PACKER DEPTH:	n/a
DATE SET:	9/9/2015

EOT @ 6354'

FORMATION TOPS & PERFORATIONS	
NIOBRARA MD	6282'
PERFORATIONS	6706' - 15809'

FRAC DATA	
988	BBLS ACID
20,203	BBLS FRESH WATER
21,191	BBLS TOTAL FLUID
7,539,537	# 30/50 OTTAWA
753,053	# 20/40 PROP STAR
207,645	# 40/70 OTTAWA
8,500,235	# TOTAL SAND
41	TOTAL STAGES

8 3/4" hole @ 6655'
7" csg @ 6655'

Production Csg @ 15898'

TD MD 15903'