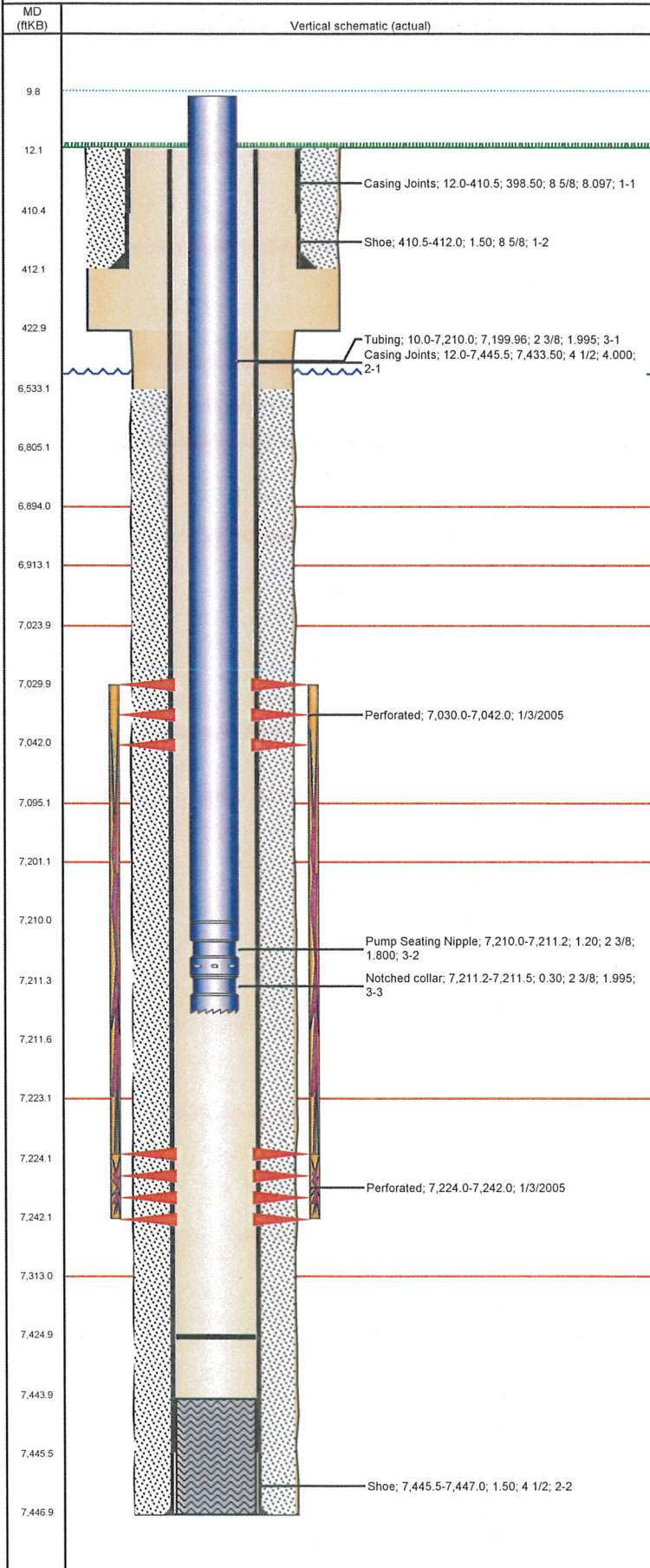


Well Name: ZEILER 31-07

VERTICAL - ORIGINAL HOLE, 6/25/2012 11:27:01 AM



## Well Header

API	Business Unit	District	Well Config
05-123-22413	WATTENBERG	15	VERTICAL
Original KB Elevation (ft)	KB - GL / MSL (ftKB)	Spud Date	P & A Date
4,952.00	12.00	11/6/2004	
Comment			

## Directions To Well

WCR 15 & 60; WEST 1/2 MILE, SOUTH INTO.

## Current PBTD (ftKB)

ORIGINAL HOLE - 7,425.0

## Surface Location (Congressional)

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Township	Twnshp N...	Range	Rng E/W Dir
		NW	NE	7	5	N	67	W

## Bottom Hole Location

North-South Distance (ft)	From N or S Line	East-West Distance (ft)	From E or W Line

## Plug Back Total Depths

Date	Depth (ftKB)	Method	Com
11/12/2004	7,444.0	CASING TALLY	FLOAT COLLAR

## Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)
SURFACE	12 1/4	12.0	423.0
PRODUCTION	7 7/8	423.0	7,447.0

## Zone Statuses

Zone Name	Status Date	Status	Job
CODELL	3/18/2005	PR	DRILLING/COMPLETION - ORIGINAL, 11/6/2004 06:00
CODELL	2/6/2012	PR	RE-FRAC, 12/5/2011 06:00
NIOBRARA	3/18/2005	PR	DRILLING/COMPLETION - ORIGINAL, 11/6/2004 06:00

## Casing Strings

Csg Des	Run Date	OD (in)	Wt/Len (lb/ft)	Grade	Top (ftKB)	Set Depth (ftKB)
Surface	11/7/2004	8 5/8	24.00	?	12.0	412.0
Production	11/11/2004	4 1/2	11.60	?	12.0	7,447.0

## Cement

Des	Top (ftKB)	Btm (ftKB)
SURFACE CASING CEMENT	12.0	412.0
PRODUCTION CASING CEMENT	6,533.0	7,447.0

## Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)
Tubing	2 3/8	4.70	J-55	228	7,199.96
Pump Seating Nipple	2 3/8	0.00	0	1	1.20
Notched collar	2 3/8	0.00	J-55	1	0.30

## Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE		48	7,030.0	7,042.0	1/3/2005
CODELL, ORIGINAL HOLE		72	7,224.0	7,242.0	1/3/2005

## Stimulations & Treatments

Bnch/Stg	Date	Zone	Primary Job Type
	1/4/2005	NIOBRARA-CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL

## Comment

CDL/NIO FRAC'D W/O ISOLATION BTWN FORMATIONS

Total Add Amount	Total Clean Volume...	Vol Slurry Tot (gal)	Vol Gas Tot (MCF)
Proppant 300000 lb		168924.00	
Avg Treat Pressure (psi)	Max Treat Pressure (psi)	Avg Treat Rate (bbl/min)	Max Treat Rate (bbl/min)
3,807.0	4,140.0	49.30	



**Well Name: ZEILER 31-07**

VERTICAL - ORIGINAL HOLE, 6/25/2012 11:27:01 AM

## Stimulations & Treatments

Bnch/Stg	Date	Zone	Primary Job Type
	12/21/2011	CODELL, ORIGINAL HOLE	RE-FRAC
<b>Comment</b> (CODELL RF) ISIP 2953, 5 MIN 2126. DID NOT MAKE SCHEDULE GEL CHANGE DURING 2.0 PSA STAGE, NOLTE WAS FLAT. DID MAKE GEL CHANGE DURING 2-4 PSA RAMP STAGE. BACKSIDE PRESSURE STARTED INCREASING NEAR THE END OF 2-4 PSA RAMP STAGE. JOB WENT WELL. AVERAGES: VISC 25.2, TEMP 62.8, PH 10.25, NOLTE +0.07. POST ISIP 3299, 5 MIN 3270.			
<b>Total Add Amount</b> Proppant Ottawa 243199.303 lb		<b>Total Clean Volume...</b> 128019.78	<b>Vol Slurry Tot (gal)</b> 138974.22
<b>Avg Treat Pressure (psi)</b> 4,528.0		<b>Max Treat Pressure (psi)</b> 6,724.0	<b>Avg Treat Rate (bbl/min)</b> 14.84
			<b>Max Treat Rate (bbl/min)</b> 15.22

## Other In Hole

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)

## Logs

Date	Type	Top (ftKB)	Btm (ftKB)
11/11/2004	DENSITY/NEUTRON/INDUCTION	12.0	7,447.0
11/16/2004	CBL/CCL/GR	6,391.0	7,413.0

