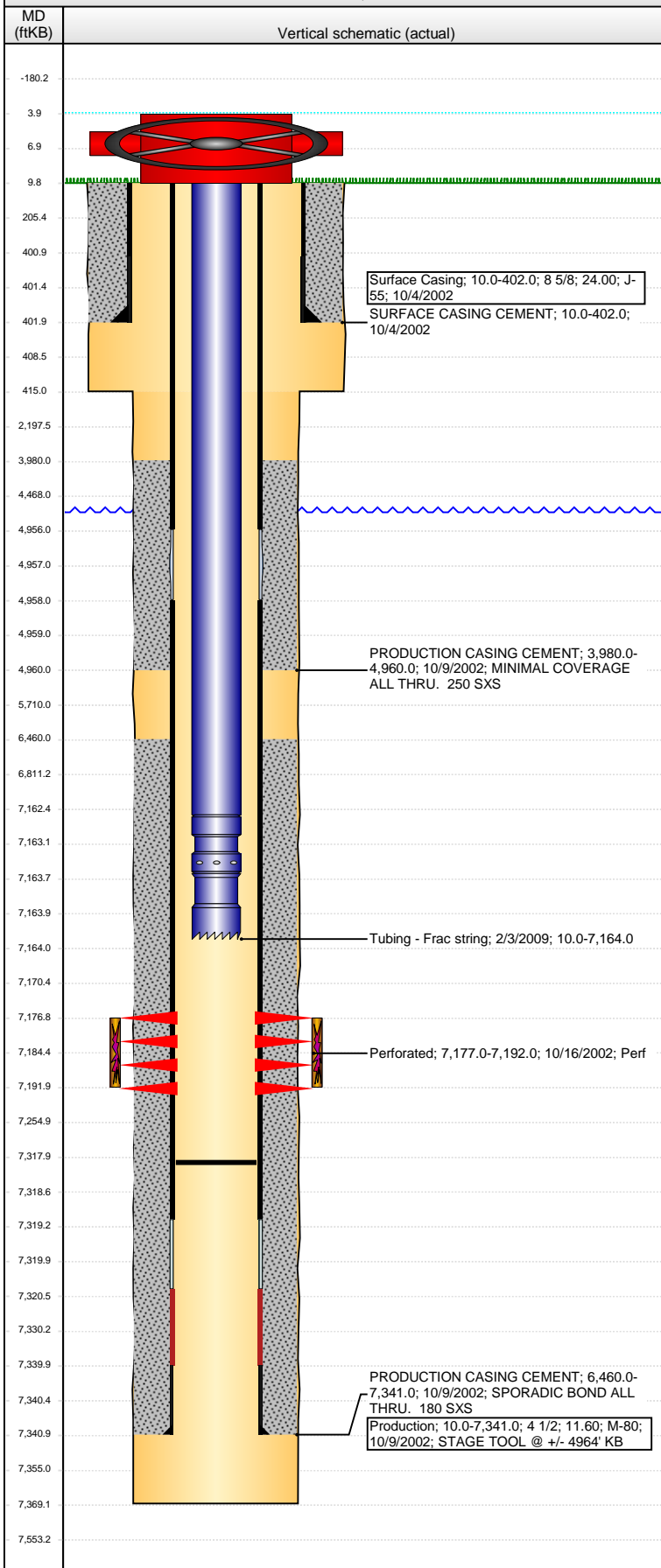


**Well Name: SHABLE K08-03**

VERTICAL - ORIGINAL HOLE, 6/17/2014 3:11:59 PM



## Well Header

API 05-123-20371	Business Unit WATTENBERG	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,722.00	KB - GL / MSL (ftKB) 10.00	Spud Date 10/4/2002	P & A Date

## Comment

DV tool @ 4956, frac'd into Daniels K5-14

## Directions To Well

## Congressional Location

Quarter 1	Quarter 2	Quarter 3 NE	Quarter 4 NW	Section 8	Township 4 N	Twonshp N...	Range 66 W	Rng E/W Dir
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## Bottom Hole Location

North-South Distance (ft)	From N or S Line	East-West Distance (ft)	From E or W Line
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## Plug Back Total Depths

Date	Depth (ftKB)	Method	Com
10/9/2002	7,319.0	CASING TALLY	
2/3/2009	7,318.0	CASING TALLY	

## Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	10.0	415.0
PRODUCTION	7 7/8	415.0	7,369.0

## Zone Statuses

Zone Name	Status Date	Status	Job
CODELL	10/23/2002	PR	DRILLING/COMPLETION - ORIGINAL, 10/4/2002 00:00
CODELL	3/5/2009	PR	RE-FRAC, 2/2/2009 15:30

## Casing Strings

### Surface Casing, 402.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Surface Casing	10/4/2002	8 5/8	24.00	J-55	10.0	402.0

### Production, 7,341.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	10/9/2002	4 1/2	11.60	M-80	10.0	7,341.0

## Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	10.0	402.0
PRODUCTION CASING CEMENT	3,980.0	4,960.0
PRODUCTION CASING CEMENT	6,460.0	7,341.0

## Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
Tubing	2 3/8	4.60	J-55	220	7,152.50	7,162.5	
Seal Nipple	2 3/8				1.10	7,163.6	
Notched collar	2 3/8				0.40	7,164.0	

## Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
CODELL, ORIGINAL HOLE		60	7,177.00	7,192.00	10/16/2002

## Stimulations & Treatments

Date	Zone	Primary Job Type
10/21/2002	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL
Technical Result	Tech Result Details	Tech Result Note

## Comment

Date	Zone	Primary Job Type
2/26/2009	CODELL, ORIGINAL HOLE	RE-FRAC
Technical Result	Tech Result Details	Tech Result Note

## Comment

(CODELL): PUMPED THE 3 PSA STAGE AS A 2-4 PSA RAMP MADE FIRST GEL CHANGE FROM VISTAR 26# TO 27# AT 1838 CL BBLs MADE GEL CHANGE FROM VISTAR 27# TO 28# AT CL 2646 CL BBLs TREATMENT WENT OKAY STARTED 4 PSA 190 BBSL EARLY THE RAMP STAGE WAS RUNNING 0.1 PSA TO HIGH AVG VISC 26.2 CPS AVG TEMP 67.9F AVG PH 10.2 POST JOB 5 MINUTE OF 2985 PSI

**Well Name: SHABLE K08-03**

VERTICAL - ORIGINAL HOLE, 6/17/2014 3:12:02 PM

## Other In Hole

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

## Logs

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
10/8/2002	CBL/CCL/GR	3,790.0	7,292.0
10/8/2002	DENSITY	4,150.0	7,347.0
10/8/2002	DUAL INDUCTION	402.0	7,367.0

