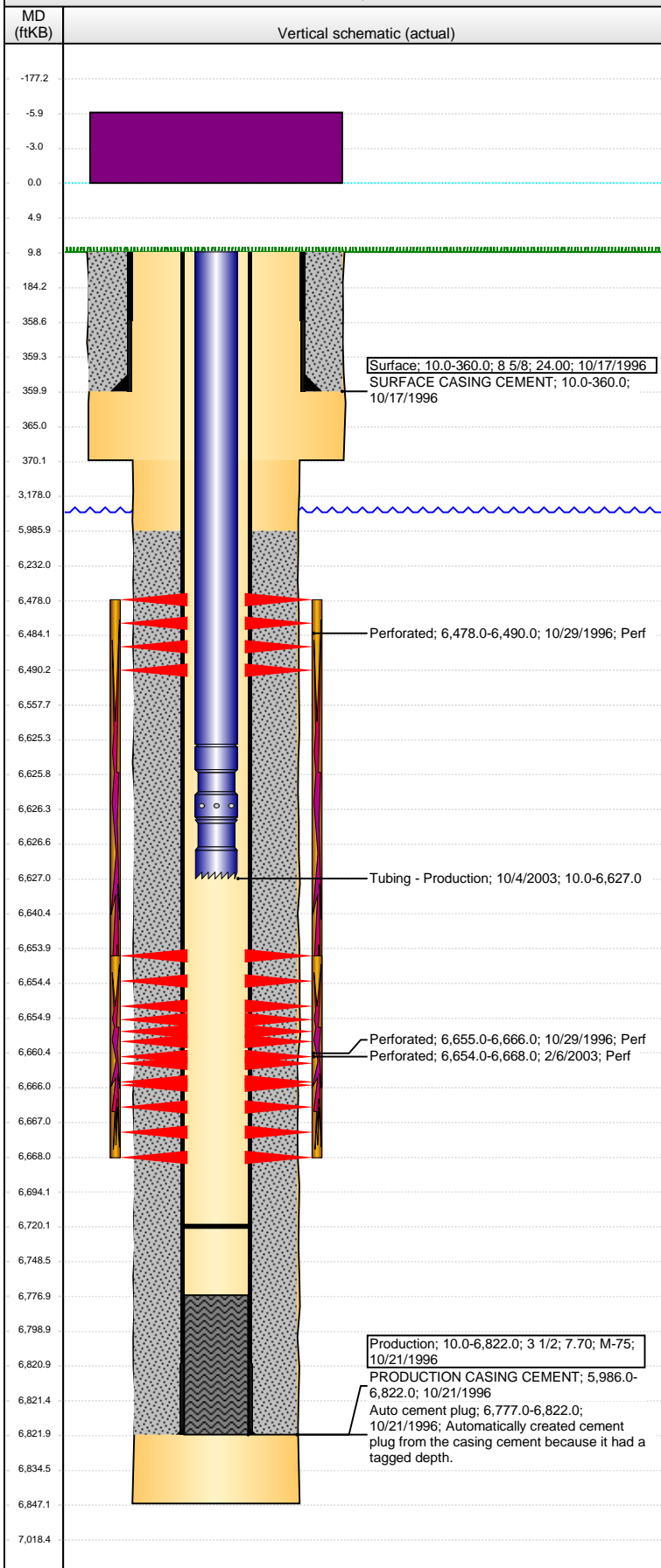


**Well Name: ROTHE STATE B36-10**

VERTICAL - ORIGINAL HOLE, 4/21/2016 7:53:10 AM



## Well Header

API 05-123-19215	Business Unit DJ BASIN	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,604	KB - GL / MSL (ftKB) 10.00	Spud Date 10/16/1996	P & A Date
Comment St lse # 80-5555-S			
Directions To Well			

## Congressional Location

Quarter 1	Quarter 2	Quarter 3 NW	Quarter 4 SE	Section 36	Township 5 N	Twnshp N...	Range 64	Rng E/W Dir W
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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
10/21/1996	6,777.0	CASING TALLY	ORIGINAL PBTD, GUIDE SHOE
10/29/1996	6,754.0	CASED HOLE LOG	DEPTH LOGGER
12/7/1996	6,767.0	TAG	REVERSE CIRC DOWN TO 6767'
2/6/2003	6,720.0	TAG	TAGGED SOMETHING "VERY HARD"

## Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	10.0	370.0
PRODUCTION	7 7/8	370.0	6,847.0

## Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
NIOBRARA	11/4/1996	PR		DRILLING/CO...	
CODELL	11/4/1996	PR		DRILLING/CO...	
CODELL	2/21/2003	PR		RE-FRAC, 2/3/...	

## Casing Strings

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Surface	10/17/1996	8 5/8	24.00		10.0	360.0

## Production, 6,822.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	10/21/1996	3 1/2	7.70	M-75	10.0	6,822.0

## Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	10.0	360.0
Description	Top Depth (ftKB)	Bottom Depth (ftKB)
PRODUCTION CASING CEMENT	5,986.0	6,822.0

## Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	10/4/2003	2 1/16				6,617.00	

## Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
Tubing	2 1/16			206	6,615.40	6,625.4	
Seal Nipple	2 1/16			1	1.00	6,626.4	
Notched collar	2 1/16			1	0.60	6,627.0	

## Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE		6	6,478.00	6,490.00	10/29/1996
CODELL, ORIGINAL HOLE		56	6,654.00	6,668.00	2/6/2003
CODELL, ORIGINAL HOLE		8	6,655.00	6,666.00	10/29/1996

## Stimulations & Treatments

Date	Zone	Primary Job Type
10/29/1996	NIOBRARA-CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL
Technical Result	Tech Result Details	Tech Result Note

## Comment

CDL/NIO LIMITED ENTRY FRAC

**Well Name: ROTHE STATE B36-10**

VERTICAL - ORIGINAL HOLE, 4/21/2016 7:53:12 AM

## Stimulations & Treatments

Date 2/6/2003	Zone CODELL, ORIGINAL HOLE	Primary Job Type RE-FRAC
Technical Result	Tech Result Details	Tech Result Note
Comment		

## Other In Hole

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

## Logs

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
10/20/1996	COMPENSATED DENSITY	360.0	6,823.0
10/20/1996	INDUCTION	360.0	6,841.0
10/29/2006	CBL/CCL/GR	5,850.0	6,750.0

