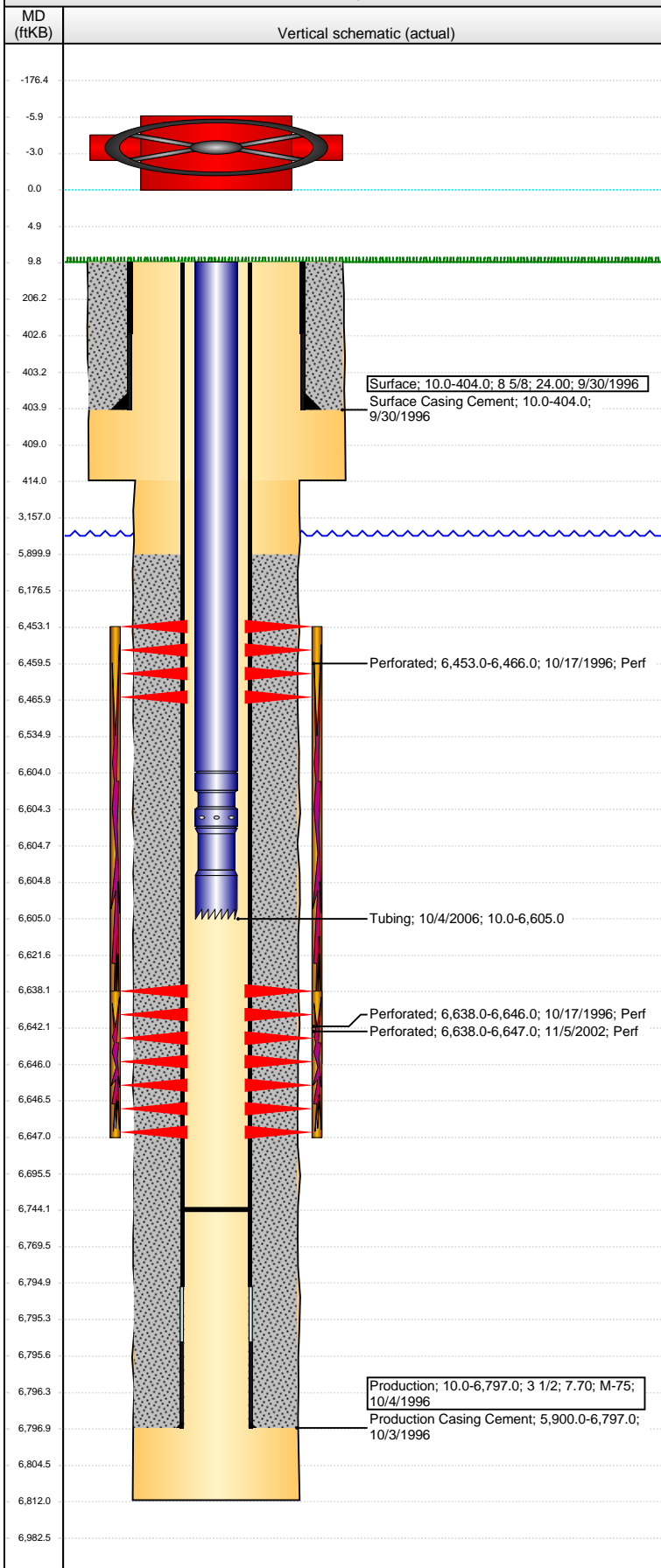


Well Name: ROTHE STATE B36-09

VERTICAL - ORIGINAL HOLE, 4/20/2016 10:38:38 AM



Well Header

API 05-123-19214	Business Unit DJ BASIN	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,601	KB - GL / MSL (ftKB) 10.00	Spud Date 9/29/1996	P & A Date

Comment
St lse # 80-5555-S

Directions To Well

Congressional Location

Quarter 1	Quarter 2	Quarter 3 NE	Quarter 4 SE	Section 36	Township 5 N	Twnshp N...	Range 64	Rng E/W Dir 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
10/4/2006	6,744.0	TAG	

Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	10.0	414.0
PRODUCTION	7 7/8	414.0	6,812.0

Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
NIOBRARA-C...	11/1/1996	PR	Oil	DRILLING/CO...	
NIOBRARA-C...	11/22/2002	PR	Oil	RE-FRAC, 10/2...	

Casing Strings

Surface, 404.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...	Grade	Top, MD (ft...	MD (ftKB)
Surface	9/30/1996	8 5/8	24.00		10.0	404.0

Production, 6,797.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...	Grade	Top, MD (ft...	MD (ftKB)
Production	10/4/1996	3 1/2	7.70	M-75	10.0	6,797.0

Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
Surface Casing Cement	10.0	404.0
Production Casing Cement	5,900.0	6,797.0

Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing	10/4/2006	2 1/16	1.751	3.25	J-55	6,595.00	

Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
Tubing	2 1/16	3.25	J-55	203	6,593.90	6,603.9	
Pump Seating Nipple	2 1/16				0.60	6,604.5	
Notched collar	2 1/16				0.50	6,605.0	

Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA-CODELL, ORIGINAL...		6	6,453.00	6,466.00	10/17/1996
NIOBRARA-CODELL, ORIGINAL...		7	6,638.00	6,646.00	10/17/1996
NIOBRARA-CODELL, ORIGINAL...		40	6,638.00	6,647.00	11/5/2002

Stimulations & Treatments

Date	Zone	Primary Job Type
10/22/1996	NIOBRARA-CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL
Technical Result	Tech Result Details	Tech Result Note

Comment

Date	Zone	Primary Job Type
11/5/2002	NIOBRARA-CODELL, ORIGINAL HOLE	RE-FRAC
Technical Result	Tech Result Details	Tech Result Note

Comment

Well Name: ROTHE STATE B36-09

VERTICAL - ORIGINAL HOLE, 4/20/2016 10:38:41 AM

Stimulations & Treatments

Date 11/5/2002	Zone	Primary Job Type
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)
10/3/1996	COMPENSATED DENSITY/CALIPER/GAMMA RAY	404.0	6,812.0
10/3/1996	DUAL INDUCTION/GUARD/GAMMA RAY	404.0	6,812.0
10/17/1996	CBL	5,800.0	6,660.0

Surface; 10.0-404.0; 8 5/8; 24.00; 9/30/1996
Surface Casing Cement; 10.0-404.0; 9/30/1996

Perforated; 6,453.0-6,466.0; 10/17/1996; Perf

Tubing; 10/4/2006; 10.0-6,605.0

Perforated; 6,638.0-6,646.0; 10/17/1996; Perf
Perforated; 6,638.0-6,647.0; 11/5/2002; Perf

Production; 10.0-6,797.0; 3 1/2; 7.70; M-75; 10/4/1996
Production Casing Cement; 5,900.0-6,797.0; 10/3/1996