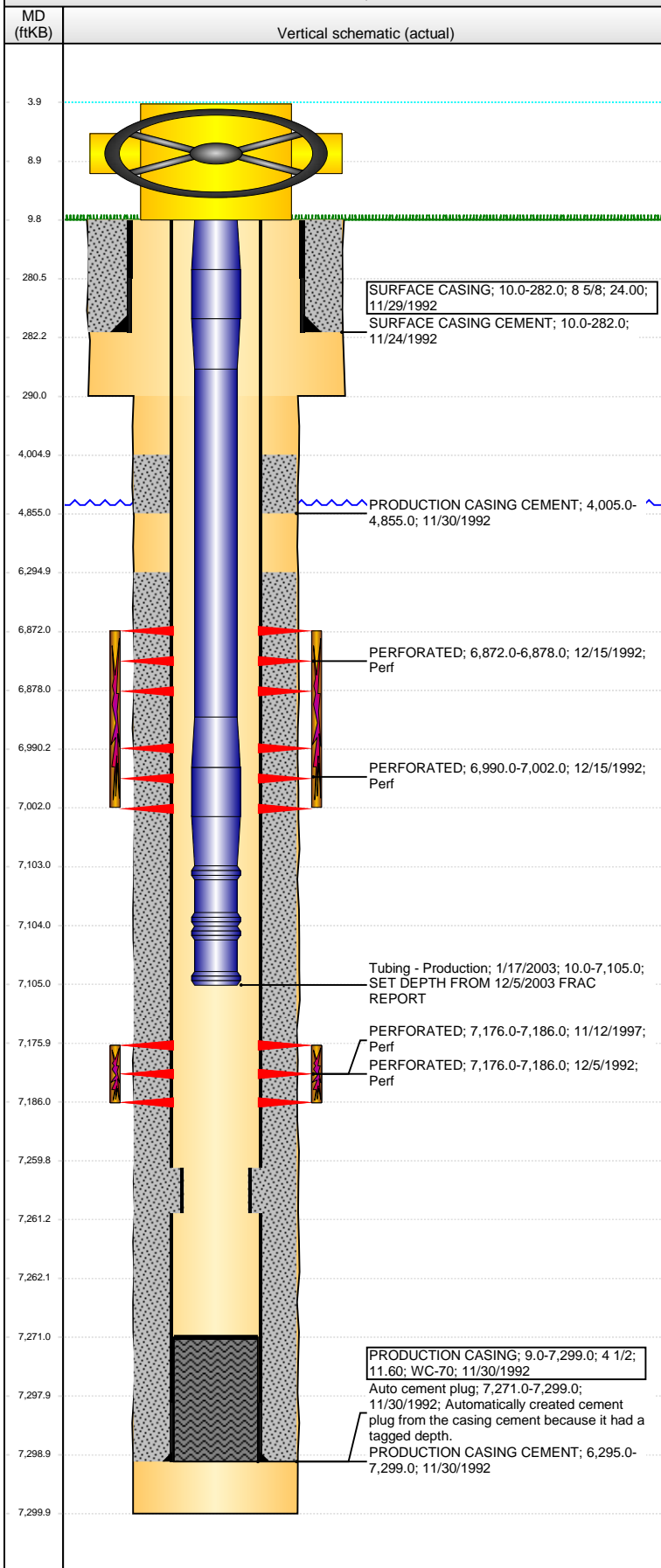


Well Name: STROMBERGER FEDERAL 34-12

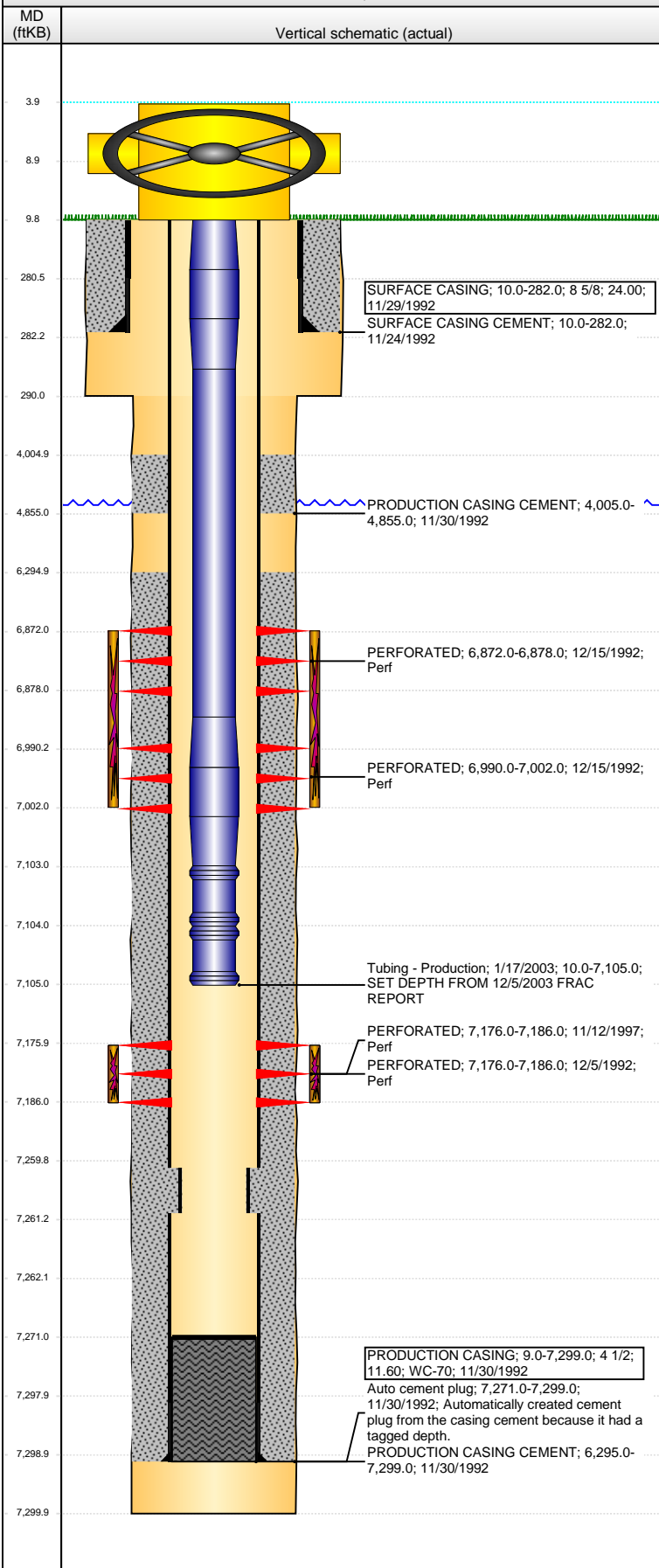
VERTICAL - ORIGINAL HOLE, 8/3/2015 9:29:22 AM



Well Header							
API	05-123-16460	Business Unit	DJ BASIN	District	15	Well Config	VERTICAL
Original KB Elevation (ft)	4,723.00	KB - GL / MSL (ftKB)	10.00	Spud Date	11/24/1992	P & A Date	
Comment							
Directions To Well HWY 85 & WCR 46, E 1/2, N INTO LOC							
Congressional Location							
Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Township	Twnshp N...	Range Rng E/W Dir
		SW	SE	12	4	N	66 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			
11/29/1992	7,261.0	FLOAT COLLAR		TOP OF FC			
12/3/1992	7,243.0	CASED HOLE LOG		DEPTH LOG CBL			
12/5/2003	7,271.0	TAG		RECENT TAG SAND			
Wellbore Sections							
Section Des		Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)			
SURFACE		12 1/4	10.0	290.0			
PRODUCTION		7 7/8	290.0	7,300.0			
Zone Statuses							
Zone Name	Status Date	Status	Fluid Type	Job	Prod Method		
NIOBRARA	2/23/1993	PR	Gas	DRILLING/CO...	Flowing		
CODELL	1/17/2004	PR	Gas	TRI-FRAC, 12/...	Flowing		
NIOBRARA-C...	1/17/2004	PR	Gas	TRI-FRAC, 12/...	Flowing		
Casing Strings							
SURFACE CASING, 282.0ftKB							
Casing Description	Run Date	OD (in)	Wt/Len (l...	Grade	Top, MD (ft...	MD (ftKB)	
SURFACE CASING	11/29/1992	8 5/8	24.00		10.0	282.0	
PRODUCTION CASING, 7,299.0ftKB							
Casing Description	Run Date	OD (in)	Wt/Len (l...	Grade	Top, MD (ft...	MD (ftKB)	
PRODUCTION CASING	11/30/1992	4 1/2	11.60	WC-70	9.0	7,299.0	
Cement							
Description					Top Depth (ftKB)	Bottom Depth (ftKB)	
SURFACE CASING CEMENT					10.0	282.0	
Description					Top Depth (ftKB)	Bottom Depth (ftKB)	
PRODUCTION CASING CEMENT					4,005.0	4,855.0	
Description					Top Depth (ftKB)	Bottom Depth (ftKB)	
PRODUCTION CASING CEMENT					6,295.0	7,299.0	
Tubing Strings							
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	1/17/2003	2 3/8				7,095.00	
Tubing Components							
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
TUBING	2 3/8			227	7,093.00	7,103.0	
SEATING NIPPLE	2 3/8			1	1.00	7,104.0	
NOTCHED COLLAR	2 3/8			1	1.00	7,105.0	
Perforation Data							
Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date		
NIOBRARA, ORIGINAL HOLE	A	6	6,872.00	6,878.00	12/15/1992		
NIOBRARA, ORIGINAL HOLE	B	12	6,990.00	7,002.00	12/15/1992		
CODELL, ORIGINAL HOLE		20	7,176.00	7,186.00	12/5/1992		
CODELL, ORIGINAL HOLE		30	7,176.00	7,186.00	11/12/1997		
Stimulations & Treatments							
Date	Zone	Primary Job Type					
12/7/1992	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL					
Technical Result		Tech Result Details			Tech Result Note		
Comment							

Well Name: STROMBERGER FEDERAL 34-12

VERTICAL - ORIGINAL HOLE, 8/3/2015 9:29:25 AM



Stimulations & Treatments

Date	Zone	Primary Job Type
12/15/1992	NIOBRARA, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL
Technical Result	Tech Result Details	Tech Result Note

Comment
COMMINGLED WITH CDL

Date	Zone	Primary Job Type
11/16/1997	CODELL, ORIGINAL HOLE	RE-FRAC
Technical Result	Tech Result Details	Tech Result Note

Comment
RWTP CDL-NIO

Date	Zone	Primary Job Type
12/4/2003	CODELL, ORIGINAL HOLE	TRI-FRAC
Technical Result	Tech Result Details	Tech Result Note

Comment
CODELL ISOLATED FROM NIO FOR TR-FRAC. RWTP: CDL-NIO

Other In Hole

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

Logs

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
11/28/1992	GAMMA RAY	200.0	7,320.0
11/28/1992	INDUCTION	200.0	7,320.0
12/3/1992	CBL/CCL/GR	6,000.0	7,250.0