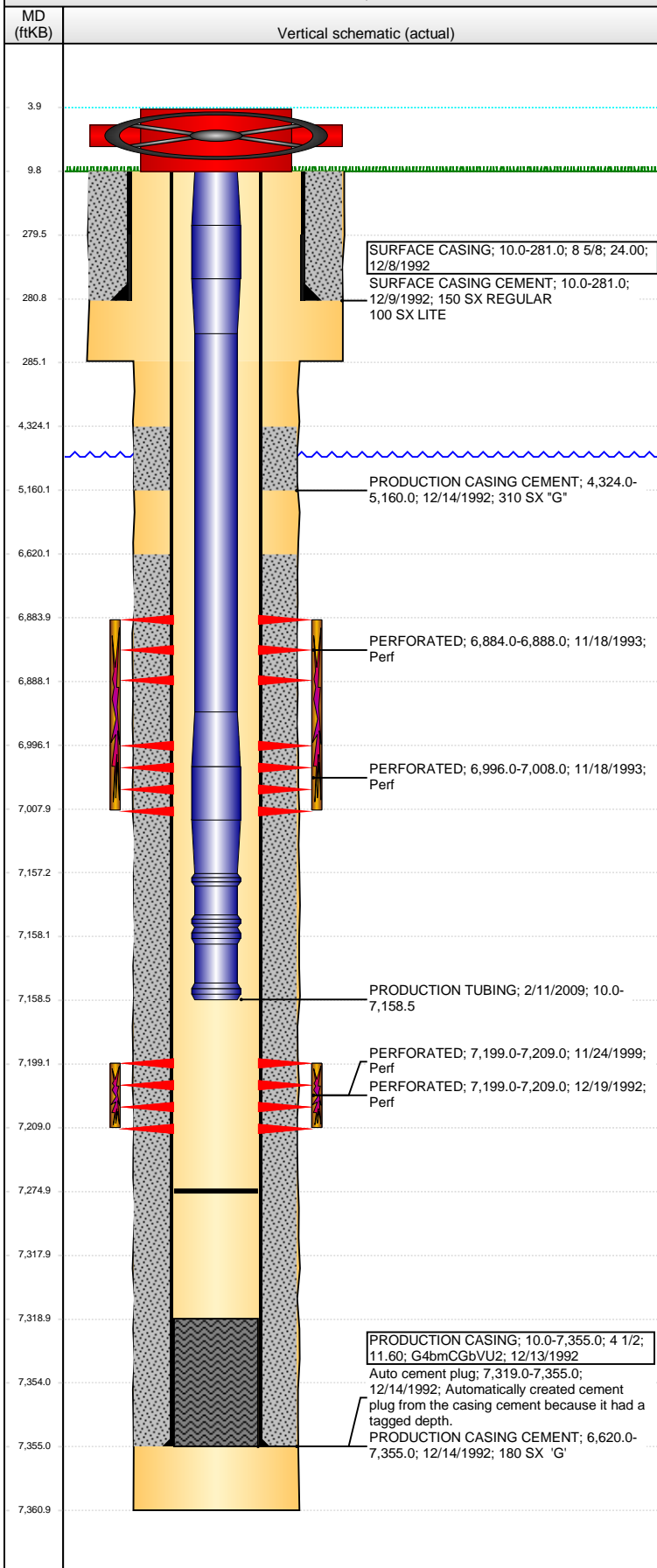


**Well Name: CLEMENT 13-11**

VERTICAL - ORIGINAL HOLE, 9/3/2015 1:47:18 PM



## Well Header

API	Business Unit	District	Well Config
05-123-16482	DJ BASIN	15	VERTICAL
Original KB Elevation (ft)	KB - GL / MSL (ftKB)	Spud Date	P & A Date
4,720.00	10.00	12/8/1992	
Comment			
Directions To Well			

## Congressional Location

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Township	Twnshp N...	Range	Rng E/W Dir
		NW	SW	11	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
12/17/1992	7,242.0	CASED HOLE LOG	
12/18/1992	7,319.0	TAG	
2/12/2009	7,275.0	TAG	

## Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	10.0	285.0
PRODUCTION	7 7/8	285.0	7,361.0

## Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
NIOBRARA	11/25/1993	PR		PERFORATIN...	
NIOBRARA	12/31/1993	PR		DRILLING/CO...	
CODELL	1/14/1993	PR		DRILLING/CO...	
CODELL	11/15/1993	SI		PERFORATIN...	
CODELL	11/25/1993	PR		PERFORATIN...	
NIOBRARA-C...	12/12/1999	PR		RE-FRAC, 11/2...	
NIOBRARA-C...	1/24/2005	SI		TRI-FRAC, 1/2...	
NIOBRARA-C...	2/10/2005	PR		TRI-FRAC, 1/2...	

## Casing Strings

### SURFACE CASING, 281.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...	Grade	Top, MD (ft...	MD (ftKB)
SURFACE CASING	12/8/1992	8 5/8	24.00		10.0	281.0

### PRODUCTION CASING, 7,355.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...	Grade	Top, MD (ft...	MD (ftKB)
PRODUCTION CASING	12/13/1992	4 1/2	11.60		10.0	7,355.0

## Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	10.0	281.0
Description	Top Depth (ftKB)	Bottom Depth (ftKB)
PRODUCTION CASING CEMENT	4,324.0	5,160.0
Description	Top Depth (ftKB)	Bottom Depth (ftKB)
PRODUCTION CASING CEMENT	6,620.0	7,355.0

## Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
PRODUCTION TUBING	2/4/2005			4.70	J55	7,174.00	
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
PRODUCTION TUBING	2/22/2008		2 3/8	1.995	J55	7,155.40	
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
PRODUCTION TUBING	2/11/2009		2 3/8	1.995	J55	7,148.52	

## Tubing Components

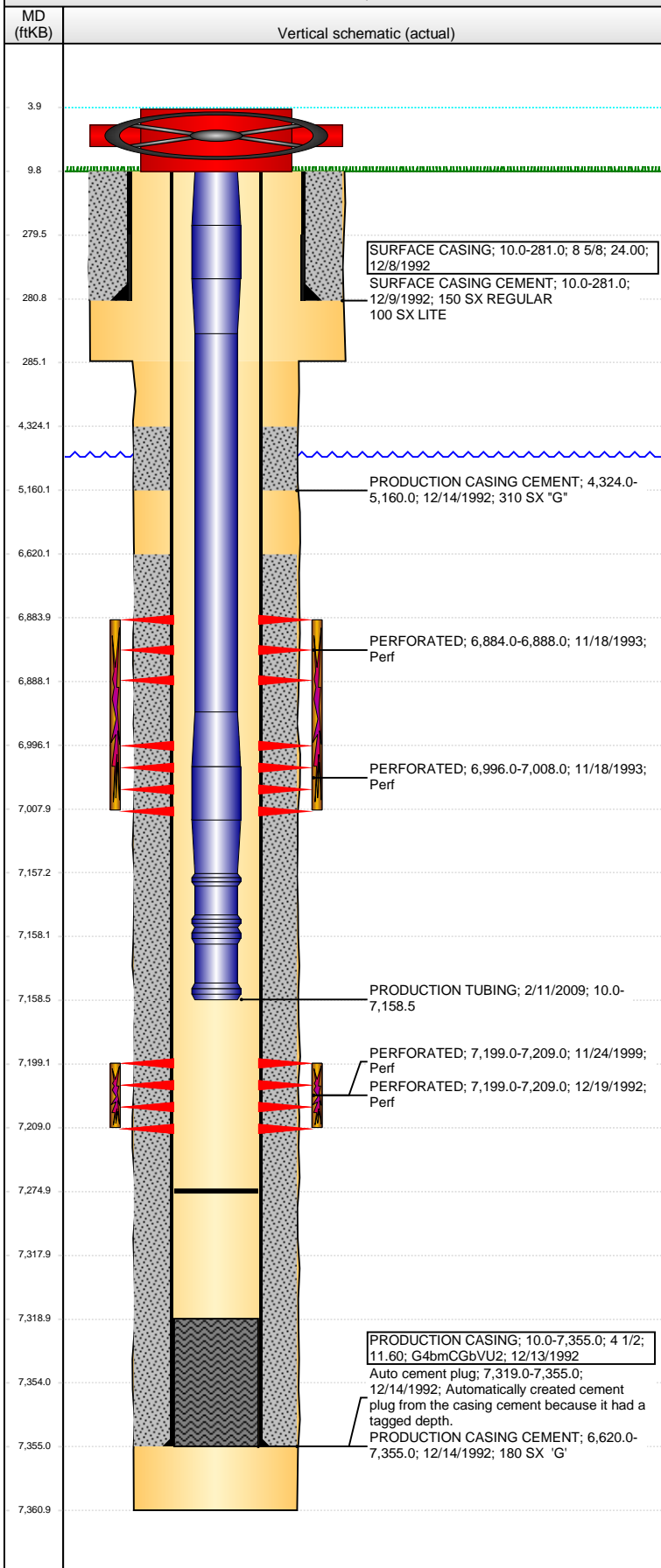
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
TUBING	2 3/8	4.70	J55	235	7,147.02	7,157.0	
SEATING NIPPLE	2 3/8		J55	1	1.00	7,158.0	
NOTCHED COLLAR	2 3/8		J55	1	0.50	7,158.5	

## Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE		16	6,884.00	6,888.00	11/18/1993

**Well Name: CLEMENT 13-11**

VERTICAL - ORIGINAL HOLE, 9/3/2015 1:47:21 PM



## Perforation Data

Zone	Brnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE		16	6,996.00	7,008.00	11/18/1993
CODELL, ORIGINAL HOLE		40	7,199.00	7,209.00	11/24/1999
CODELL, ORIGINAL HOLE		20	7,199.00	7,209.00	12/19/1992

## Stimulations & Treatments

Date	Zone	Primary Job Type
12/24/1992	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL
Technical Result	Tech Result Details	Tech Result Note
Comment		

Date	Zone	Primary Job Type
11/23/1993	NIOBRARA, ORIGINAL HOLE	PERFORATING
Technical Result	Tech Result Details	Tech Result Note
Comment		

Date	Zone	Primary Job Type
12/1/1999	NIOBRARA-CODELL, ORIGINAL HOLE	RE-FRAC
Technical Result	Tech Result Details	Tech Result Note
Comment		

Date	Zone	Primary Job Type
12/1/1999	NIOBRARA-CODELL, ORIGINAL HOLE	RE-FRAC
Technical Result	Tech Result Details	Tech Result Note
Comment		

Date	Zone	Primary Job Type
1/26/2005	CODELL, ORIGINAL HOLE	TRI-FRAC
Technical Result	Tech Result Details	Tech Result Note
Comment		

Date	Zone	Primary Job Type
2/18/2009	NIOBRARA, ORIGINAL HOLE	
Technical Result	Tech Result Details	Tech Result Note
Comment		

Date	Zone	Primary Job Type
2/18/2009	CODELL, ORIGINAL HOLE	
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)
12/12/1992	COMPENSATED DENSITY	3,950.0	7,361.0
12/12/1992	INDUCTION	250.0	7,361.0
12/17/1992	CEMENT BOND	5,250.0	7,242.0