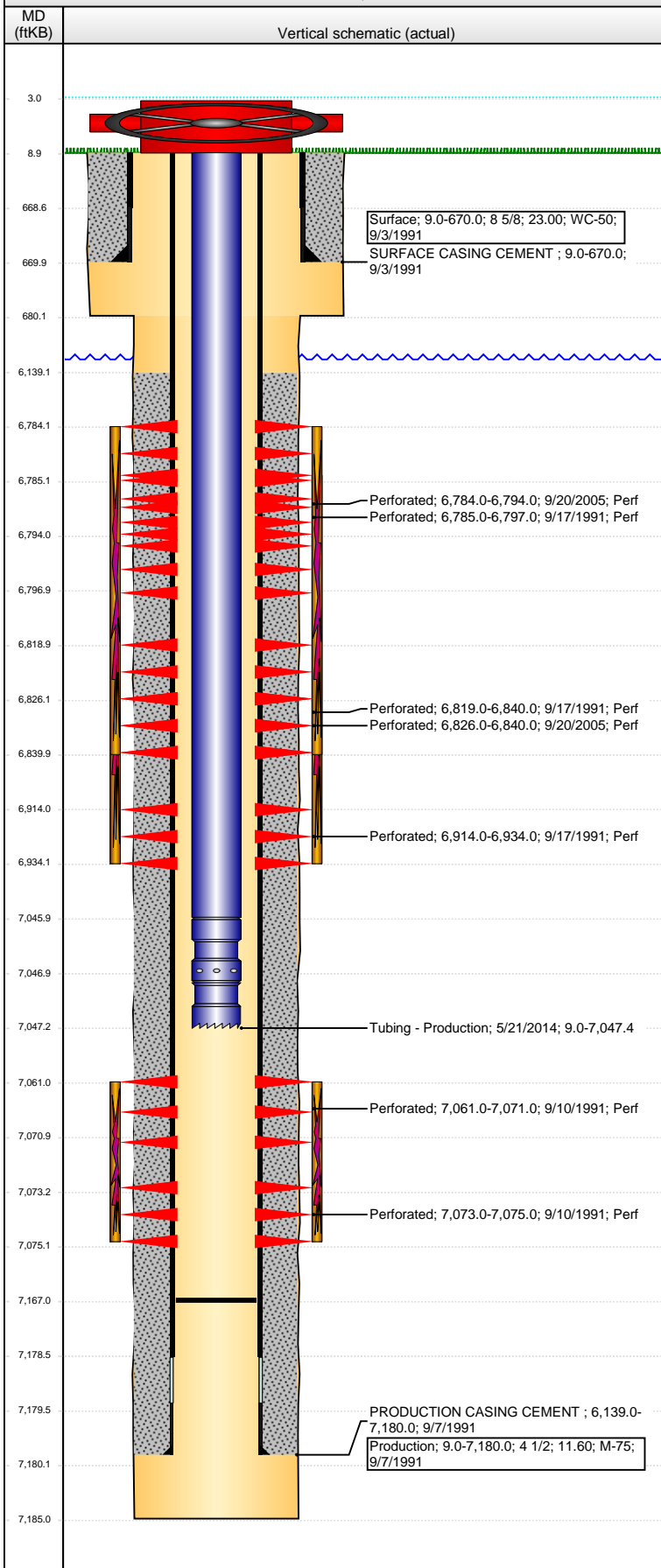


**Well Name: GURTLE 24-15J**

VERTICAL - ORIGINAL HOLE, 3/29/2016 4:27:58 PM



## Well Header

API	Business Unit	District	Well Config
05-123-15153	DJ BASIN	15	VERTICAL
Original KB Elevation (ft)	KB - GL / MSL (ftKB)	Spud Date	P & A Date
4,816	9.00	9/3/1991	

## Comment

frac'd into by 24-16J 9/02

NO LOG FILE - PULLED LOGS FROM COGCC

SURF CSG SET DEPTH: ST RPT = 675, DRL RPTS = 670

## Directions To Well

WCR 49 & WCR 30 W 2/10 N 1/10 INTO

## Congressional Location

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Township	Twship N...	Range	Rng E/W Dir
		SW	SE	24	3	N	65	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
9/10/1991	7,129.0	CASED HOLE LOG	DEPTH LOGGER FROM CBL
12/14/2005	7,139.0	TAG	CLEAN OUT & LAND TBG
5/21/2014	7,167.0	TAG	

## Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	9.0	680.0
PRODUCTION	7 7/8	680.0	7,185.0

## Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
CODELL	9/26/1991	PR		DRILLING/CO...	
CODELL	9/16/2005	SI		RE-FRAC, 9/16...	
CODELL	12/15/2005	PR		RE-FRAC, 9/16...	
NIOBRARA	9/26/1991	PR		DRILLING/CO...	
NIOBRARA	10/21/2005	PR		RE-FRAC, 9/16...	
NIOBRARA	12/15/2005	PR		RE-FRAC, 9/16...	

## Casing Strings

### Surface, 670.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Surface	9/3/1991	8 5/8	23.00	WC-50	9.0	670.0

### Production, 7,180.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	9/7/1991	4 1/2	11.60	M-75	9.0	7,180.0

## Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	9.0	670.0
Description	Top Depth (ftKB)	Bottom Depth (ftKB)
PRODUCTION CASING CEMENT	6,139.0	7,180.0

## Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing	12/14/2005	5	2 3/8	1.995	4.70	J-55	7,041.00
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	1/8/2014		2 3/8	1.995	4.60	J-55	6,917.00
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	5/21/2014		2 3/8	1.995	4.70	J-55	7,038.38

## Tubing Components

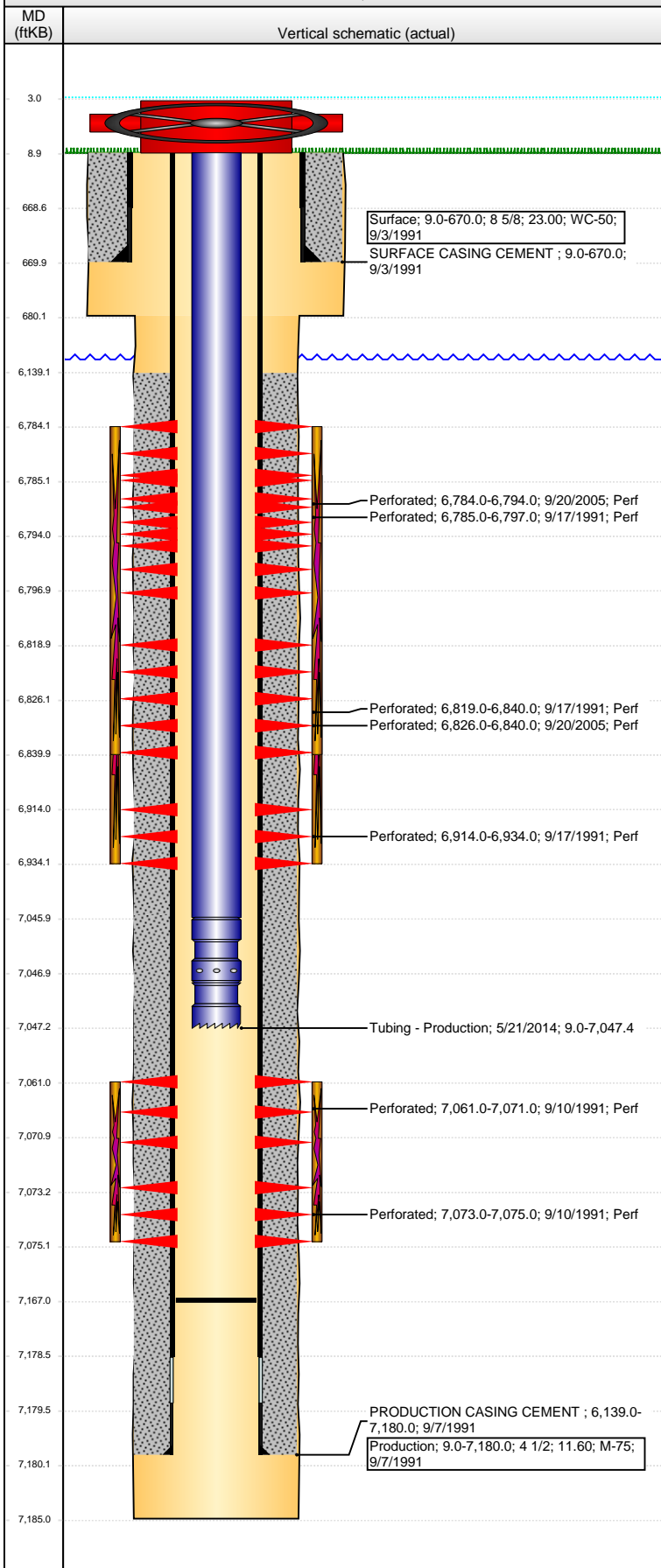
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
Tubing	2 3/8	4.70	J-55	214	7,036.78	7,045.8	
Pump Seating Nipple	2 3/8	1.10		1	1.20	7,047.0	
Notched collar	2 3/8			1	0.40	7,047.4	

## Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE	A	60	6,784.00	6,794.00	9/20/2005

**Well Name: GURTLE 24-15J**

VERTICAL - ORIGINAL HOLE, 3/29/2016 4:28:01 PM



Perforation Data						
Zone	Brnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date	
NIOBRARA, ORIGINAL HOLE	A	24	6,785.00	6,797.00	9/17/1991	
NIOBRARA, ORIGINAL HOLE	B	42	6,819.00	6,840.00	9/17/1991	
NIOBRARA, ORIGINAL HOLE	B	84	6,826.00	6,840.00	9/20/2005	
NIOBRARA, ORIGINAL HOLE	C	40	6,914.00	6,934.00	9/17/1991	
CODELL, ORIGINAL HOLE		40	7,061.00	7,071.00	9/10/1991	
CODELL, ORIGINAL HOLE		8	7,073.00	7,075.00	9/10/1991	

Stimulations & Treatments			
Date	Zone	Primary Job Type	
9/13/1991	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL	
Technical Result		Tech Result Details	Tech Result Note
Comment			
Date	Zone	Primary Job Type	
9/18/1991	NIOBRARA, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL	
Technical Result		Tech Result Details	Tech Result Note
Comment			
Date	Zone	Primary Job Type	
10/20/2005	NIOBRARA, ORIGINAL HOLE	RE-FRAC	
Technical Result		Tech Result Details	Tech Result Note

Other In Hole				
Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)

Logs			
Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
9/7/1991	COMPENSATED DENSITY	3,746.0	7,164.0
9/7/1991	INDUCTION	675.0	7,185.0
9/10/1991	CBL/CCL/GR	5,900.0	7,127.0
9/25/2014	GYRO	10.0	6,950.0