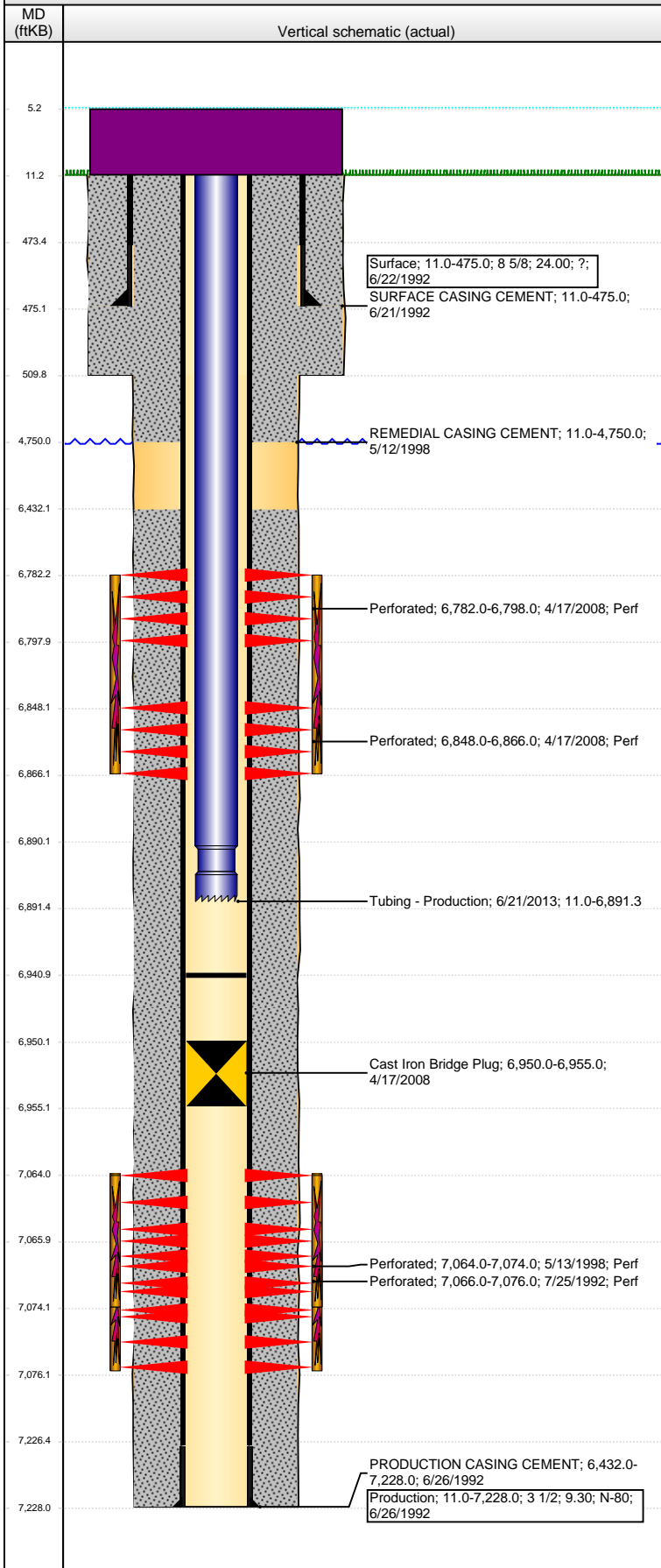


Well Name: MARK 35-13

VERTICAL - ORIGINAL HOLE, 9/6/2016 9:52:05 AM



Well Header

API 05-123-15886	Business Unit DJ BASIN	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,774	KB - GL / MSL (ftKB) 11.00	Spud Date 6/21/1992	P & A Date
Comment			

Directions To Well

WCR 40 & 47, W 1/10, S-W-S 3/10, W ACROSS CATTLE GUARD INTO.

Congressional Location

Quarter 3 SW	Quarter 4 NE	Section 35	Township 4	TwNShp N/S Dir N	Range 65	Range 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
7/7/1992	7,061.0	CASED HOLE LOG	DEPTH LOGGER ON CBL
5/22/1998	7,194.0	TAG	CIRCULATE CLEAN TO 7194'
4/17/2008	6,950.0	TAG	CIBP
5/1/2008	6,889.0	TAG	TAG TO LAND TUBING
5/1/2008	6,950.0	TAG	CIBP
5/31/2013	6,941.0	TBG TAG	

Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	11	510
PRODUCTION	7 7/8	510	7,228

Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
CODELL	8/20/1992	PR		DRILLING/CO...	
CODELL	5/25/1998	PR		RE-FRAC, 5/8/...	
CODELL	4/17/2008	SI		RECOMPLETI...	
NIOBRARA	5/1/2008	PR		RECOMPLETI...	

Casing Strings

Surface, 475.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Surface	6/22/1992	8 5/8	24.00	?	11.0	475.0

Production, 7,228.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	6/26/1992	3 1/2	9.30	N-80	11.0	7,228.0

Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	11.0	475.0
Description	Top Depth (ftKB)	Bottom Depth (ftKB)
PRODUCTION CASING CEMENT	6,432.0	7,228.0
Description	Top Depth (ftKB)	Bottom Depth (ftKB)
REMEDIAL CASING CEMENT	11.0	4,750.0

Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing	5/1/2008	2 1/16	1.751		?	6,872.00	
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Workstring	6/20/2013	1.66	1.380	2.30	N-80	6,651.90	
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	6/21/2013	2 1/16	1.751	3.25	J-55	6,880.29	

Tubing Components

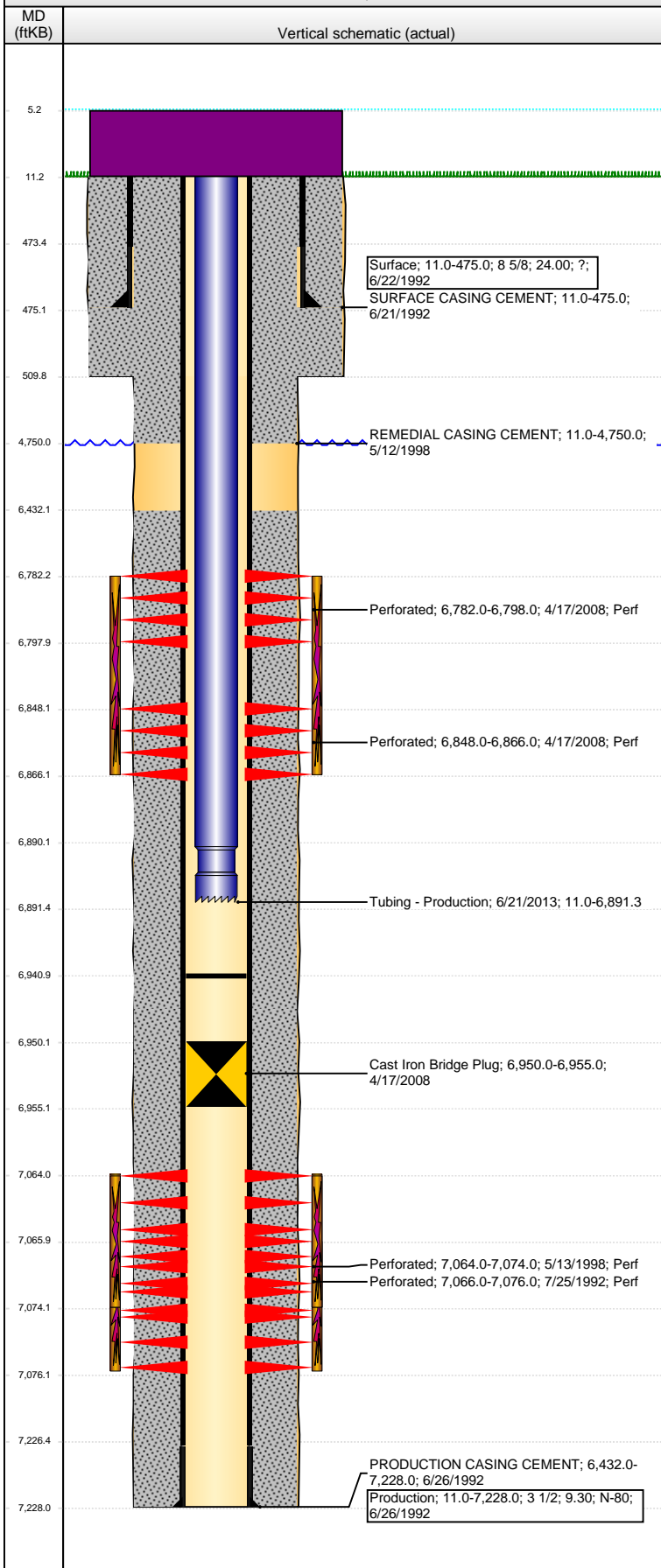
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
Tubing	2 1/16	3.25	J-55	211	6,879.19	6,890.2	
Notched Pump Seating Nipple	2 1/16			1	1.10	6,891.3	

Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE	A	32	6,782.00	6,798.00	4/17/2008
NIOBRARA, ORIGINAL HOLE	B	36	6,848.00	6,866.00	4/17/2008

Well Name: MARK 35-13

VERTICAL - ORIGINAL HOLE, 9/6/2016 9:52:08 AM



Perforation Data					
Zone	Brnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
CODELL, ORIGINAL HOLE		40	7,064.00	7,074.00	5/13/1998
CODELL, ORIGINAL HOLE		40	7,066.00	7,076.00	7/25/1992

Stimulations & Treatments			
Date	Zone	Primary Job Type	
7/31/1992	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL	
Technical Result		Tech Result Details	Tech Result Note
Comment			

Date	Zone	Primary Job Type	
5/20/1998	CODELL, ORIGINAL HOLE	RE-FRAC	
Technical Result		Tech Result Details	Tech Result Note
Failure		Screen-Out	
Comment			
WELL SCREENED OUT WITH A TOTAL OF 119,485# SAND			

Date	Zone	Primary Job Type	
5/23/1998	CODELL, ORIGINAL HOLE	RE-FRAC	
Technical Result		Tech Result Details	Tech Result Note
Failure		Screen-Out	
Comment			
WELL SCREENED OUT WITH A TOTAL OF 119,485# SAND			

Date	Zone	Primary Job Type	
4/30/2008	NIORARA, ORIGINAL HOLE	RECOMPLETION	
Technical Result		Tech Result Details	Tech Result Note
Comment			

Other In Hole				
Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)
4/17/2008	Cast Iron Bridge Plug	2.9	6,950.0	6,955.0

Logs			
Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
6/25/1992	COMPENSATED DENSITY	460.0	7,240.0
6/25/1992	INDUCTION	460.0	7,240.0
7/7/1992	CEMENT BOND	6,260.0	7,056.0
3/27/2013	GYRO	11.0	6,800.0