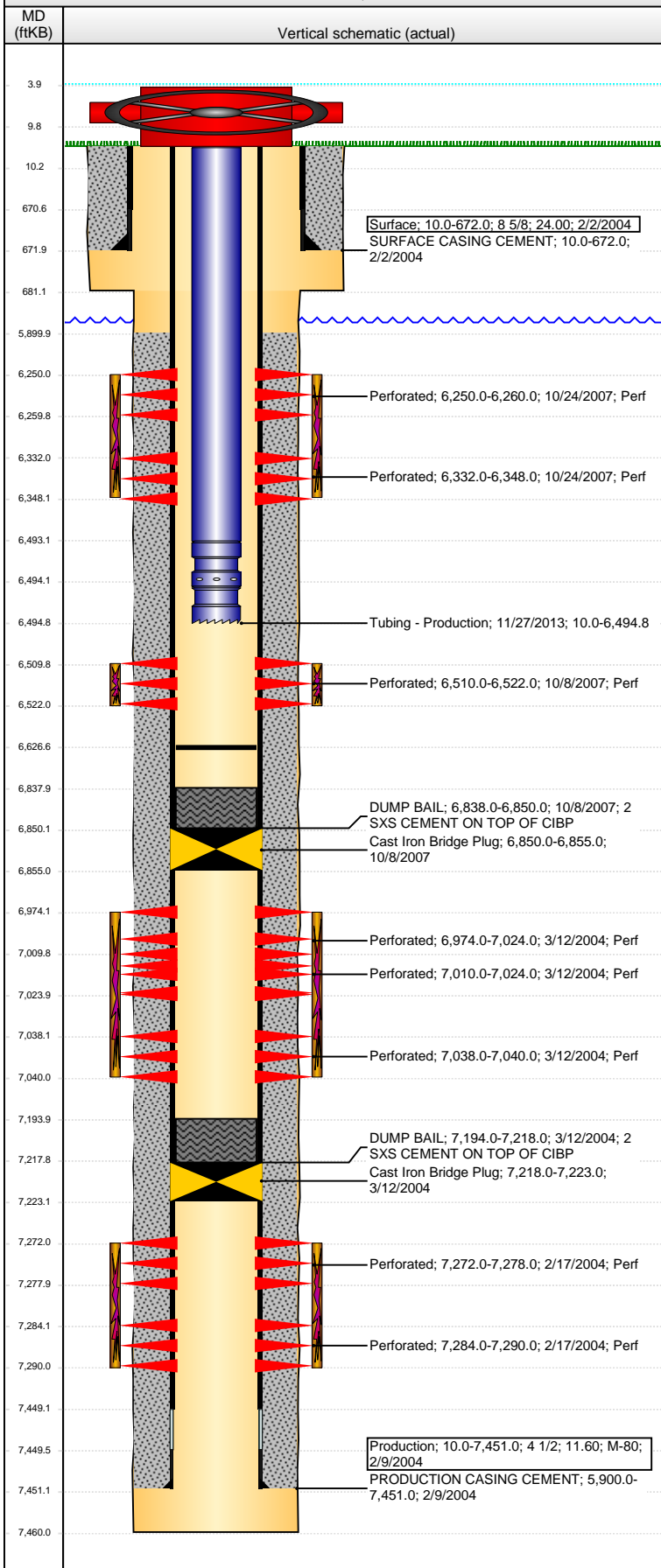


Well Name: HERGENREDER BB32-10DI

VERTICAL - ORIGINAL HOLE, 4/22/2016 7:24:17 AM



Well Header

API 05-123-21982	Business Unit DJ BASIN	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,577	KB - GL / MSL (ftKB) 10.00	Spud Date 2/2/2004	P & A Date

Comment

CIBP @ 6850' & 7218'

Directions To Well

HWY 34 & 50, E 1/2 TO RD 65, N 1/2, W 3/10, SW & W 300', S INTO

Congressional Location

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Township	Twnshp N...	Range	Rng E/W Dir
		NW	SE	32	5	N	63	W

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
2/9/2004	7,406.0	CASING TALLY	FLOAT SHOE W/ BAFFLE
2/13/2004	7,390.0	CASED HOLE LOG	DEPTH LOGGER ON CBL
3/12/2004	7,218.0	TAG	CIBP
10/8/2007	6,850.0	TAG	CAST IRON BRIDGE PLUG
11/21/2007	6,745.0	TAG	DRILL/CIRCULATE CIBP AND CHASE DOWN
7/26/2013	6,626.8	TAG	NO TAG @ 6626.77.

Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	10.0	681.0
PRODUCTION	7 7/8	681.0	7,460.0

Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
NIOBRARA	10/26/2007	PR		RECOMPLETI...	
CODELL	10/26/2007	PR		RECOMPLETI...	
J SAND	4/15/2004	PR		DRILLING/CO...	
J SAND	10/8/2007	AB		RECOMPLETI...	

Casing Strings

Surface, 672.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Surface	2/2/2004	8 5/8	24.00		10.0	672.0

Production, 7,451.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	2/9/2004	4 1/2	11.60	M-80	10.0	7,451.0

Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	10.0	672.0
Description	Top Depth (ftKB)	Bottom Depth (ftKB)
PRODUCTION CASING CEMENT	5,900.0	7,451.0
Description	Top Depth (ftKB)	Bottom Depth (ftKB)
DUMP BAIL	7,194.0	7,218.0
Description	Top Depth (ftKB)	Bottom Depth (ftKB)
DUMP BAIL	6,838.0	6,850.0

Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing	11/21/2007	2 3/8	1.995	4.70	J-55	6,485.00	
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing	7/26/2013	2 3/8	1.995	4.70	J-55	5,528.83	
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	11/27/2013	2 3/8	1.995	4.70	J-55	6,484.79	

Tubing Components

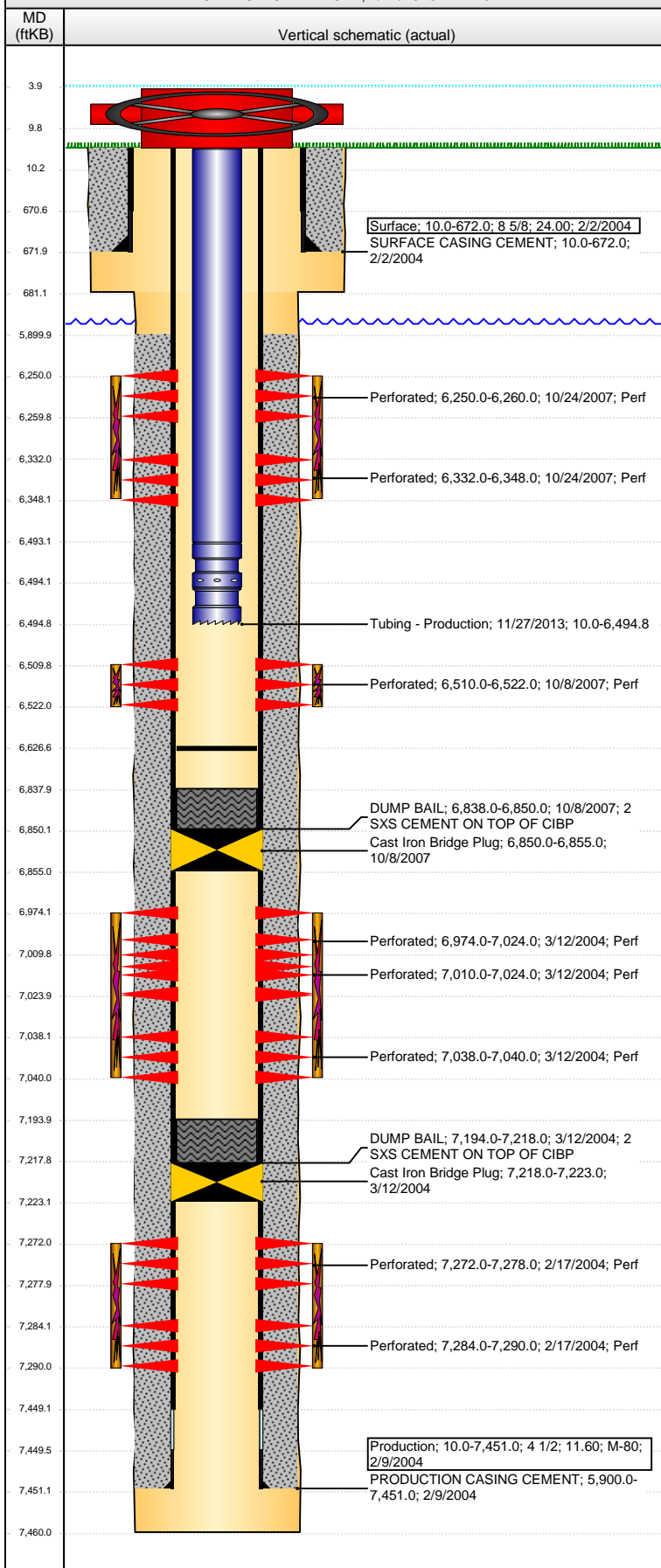
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
EUE 8rd Tubing	2 3/8	4.70	J-55	198	6,483.09	6,493.1	
Pump Seating Nipple	2 3/8	1.10		1	1.10	6,494.2	
Notched collar	2 3/8			1	0.60	6,494.8	

Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE		40	6,250.00	6,260.00	10/24/2007

Well Name: HERGENREDER BB32-10DI

VERTICAL - ORIGINAL HOLE, 4/22/2016 7:24:19 AM



Perforation Data		Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
Zone	Bnch/St g				
NIORARA, ORIGINAL HOLE		64	6,332.00	6,348.00	10/24/2007
CODELL, ORIGINAL HOLE		48	6,510.00	6,522.00	10/8/2007
J SAND, ORIGINAL HOLE	02	16	6,974.00	7,024.00	3/12/2004
J SAND, ORIGINAL HOLE	03	56	7,010.00	7,024.00	3/12/2004
J SAND, ORIGINAL HOLE		8	7,038.00	7,040.00	3/12/2004
DAKOTA, ORIGINAL HOLE		24	7,272.00	7,278.00	2/17/2004
DAKOTA, ORIGINAL HOLE		24	7,284.00	7,290.00	2/17/2004

Stimulations & Treatments

Date	Zone	Primary Job Type
3/2/2004	DAKOTA, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL

Technical Result	Tech Result Details	Tech Result Note
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Comment

TRIPLE ENTRY FRAC

Date	Zone	Primary Job Type
4/1/2004	J SAND, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL

Technical Result	Tech Result Details	Tech Result Note
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Comment

TRIPLE ENTRY FRAC

Date	Zone	Primary Job Type
10/24/2007	NIORARA, ORIGINAL HOLE	RECOMPLETION

Technical Result	Tech Result Details	Tech Result Note
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Comment

Date	Zone	Primary Job Type
10/24/2007	CODELL, ORIGINAL HOLE	RECOMPLETION

Technical Result	Tech Result Details	Tech Result Note
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Comment

Other In Hole

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)
3/12/2004	Cast Iron Bridge Plug	4 1/2	7,218.0	7,223.0
10/8/2007	Cast Iron Bridge Plug	4 1/2	6,850.0	6,855.0

Logs

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
2/8/2004	COMPENSATED DENSITY	3,300.0	7,445.0
2/8/2004	INDUCTION	671.0	7,465.0
2/13/2004	CBL/CCL/GR	5,770.0	7,387.0
5/21/2004	GYRO	10.0	7,387.0