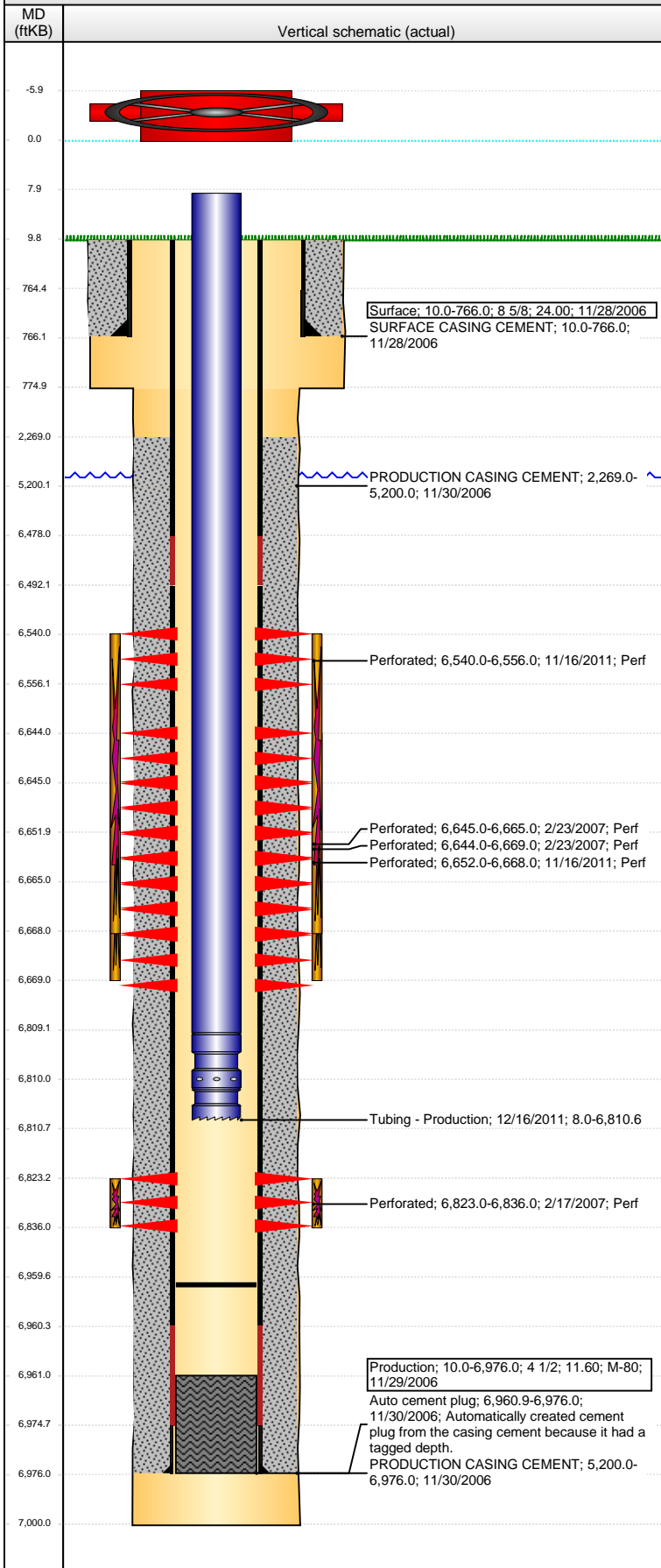


Well Name: MCKENNEY 13-22

VERTICAL - ORIGINAL HOLE, 11/5/2016 11:14:25 AM



Well Header

API 05-123-24135	Business Unit DJ BASIN	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,679	KB - GL / MSL (ftKB) 10.00	Spud Date 11/26/2006	P & A Date
Comment			

Directions To Well

WCRS 59 & 70, EAST 0.1 MILE TO TANK BATTERY, THEN SOUTHEAST THROUGH GATES 0.1 MILE INTO.

Congressional Location

Quarter 3 NW	Quarter 4 NW	Section 13	Township 6 N	Twntshp N/S Dir N	Range 64	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
11/30/2006	6,960.9	CASING TALLY	GUIDE SHOE
2/16/2007	6,930.0	CASED HOLE LOG	DEPTH LOGGER
8/29/2008	6,954.0	TAG	C/O TO 6954' (161' RAT HOLE)
12/16/2011	6,959.7		C/O LAND TUBING

Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	10	775
PRODUCTION	7 7/8	775	7,000

Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
CODELL	3/19/2007	PR	Water	DRILLING/CO...	Flowing
CODELL	4/24/2010	PR		DRILLING/CO...	
NIOBRARA	3/20/2007	PR	Water	RE-FRAC, 11/1...	Flowing
NIOBRARA	4/24/2010	PR			
NIOBRARA	12/4/2011	PR			
NIOBRARA	3/22/2016	PR			

Casing Strings

Surface, 766.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Surface	11/28/2006	8 5/8	24.00		10.0	766.0

Production, 6,976.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	11/29/2006	4 1/2	11.60	M-80	10.0	6,976.0

Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	10.0	766.0
PRODUCTION CASING CEMENT	2,269.0	5,200.0
PRODUCTION CASING CEMENT	5,200.0	6,976.0

Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	8/29/2008	2 3/8				6,792.00	
Tubing - Production	12/16/2011	2 3/8	1.995	4.70	J-55	6,802.58	

Tubing Components

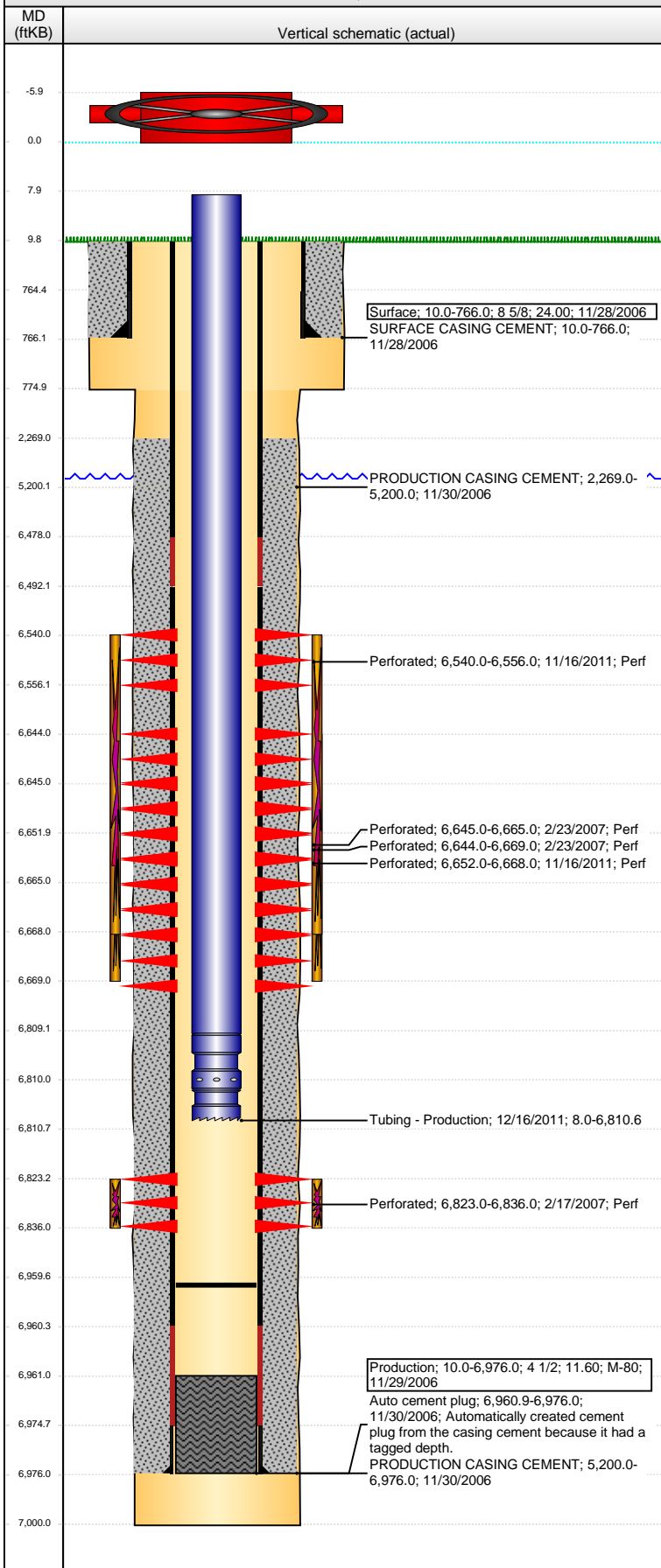
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
EUE 8rd Tubing	2 3/8	4.70	J-55	209	6,801.08	6,809.1	
Seat Nipple	2 3/8		N-80	1	1.10	6,810.2	
Notched collar	2 3/8		J-55	1	0.40	6,810.6	

Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE	A	32	6,540.00	6,556.00	11/16/2011
NIOBRARA, ORIGINAL HOLE	B	100	6,644.00	6,669.00	2/23/2007
NIOBRARA, ORIGINAL HOLE		80	6,645.00	6,665.00	2/23/2007
NIOBRARA, ORIGINAL HOLE	B	32	6,652.00	6,668.00	11/16/2011

Well Name: MCKENNEY 13-22

VERTICAL - ORIGINAL HOLE, 11/5/2016 11:14:27 AM



Perforation Data						
Zone		Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
CODELL, ORIGINAL HOLE			52	6,823.00	6,836.00	2/17/2007
Stimulations & Treatments						
Date		Zone		Primary Job Type		
2/23/2007		CODELL, ORIGINAL HOLE		DRILLING/COMPLETION - ORIGINAL		
Technical Result			Tech Result Details		Tech Result Note	
Comment						
SLICKWATER AMT UNKNOWN						
Date		Zone		Primary Job Type		
2/23/2007		NIOBRARA, ORIGINAL HOLE		DRILLING/COMPLETION - ORIGINAL		
Technical Result			Tech Result Details		Tech Result Note	
Comment						
Date		Zone		Primary Job Type		
12/2/2011		NIOBRARA, ORIGINAL HOLE		RE-FRAC		
Technical Result			Tech Result Details		Tech Result Note	
Success			According to Plan			
Comment						
(NIO REFRAC): JOB WENT AS PLANNED 5 MIN SIP 3156						
Other In Hole						
Run Date		Des		OD (in)	Top (ftKB)	Btm (ftKB)
Logs						
Date		Type		Top, MD (ftKB)	Btm, MD (ftKB)	
11/30/2006		COMPENSATED DENSITY		3,000.0	6,979.0	
11/30/2006		INDUCTION		766.0	6,999.0	
2/16/2007		ACOUSTIC		2,150.0	6,930.0	