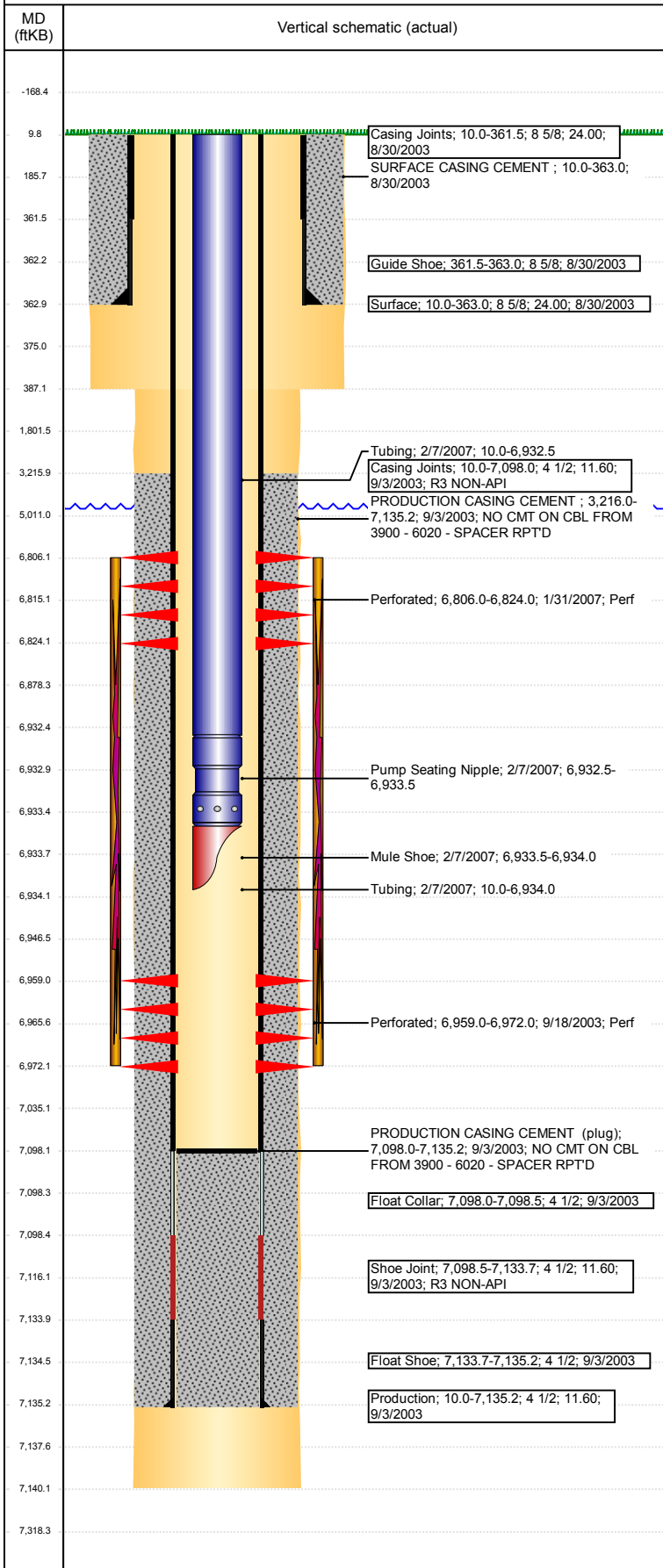


**Well Name: BRUCE 17-34**

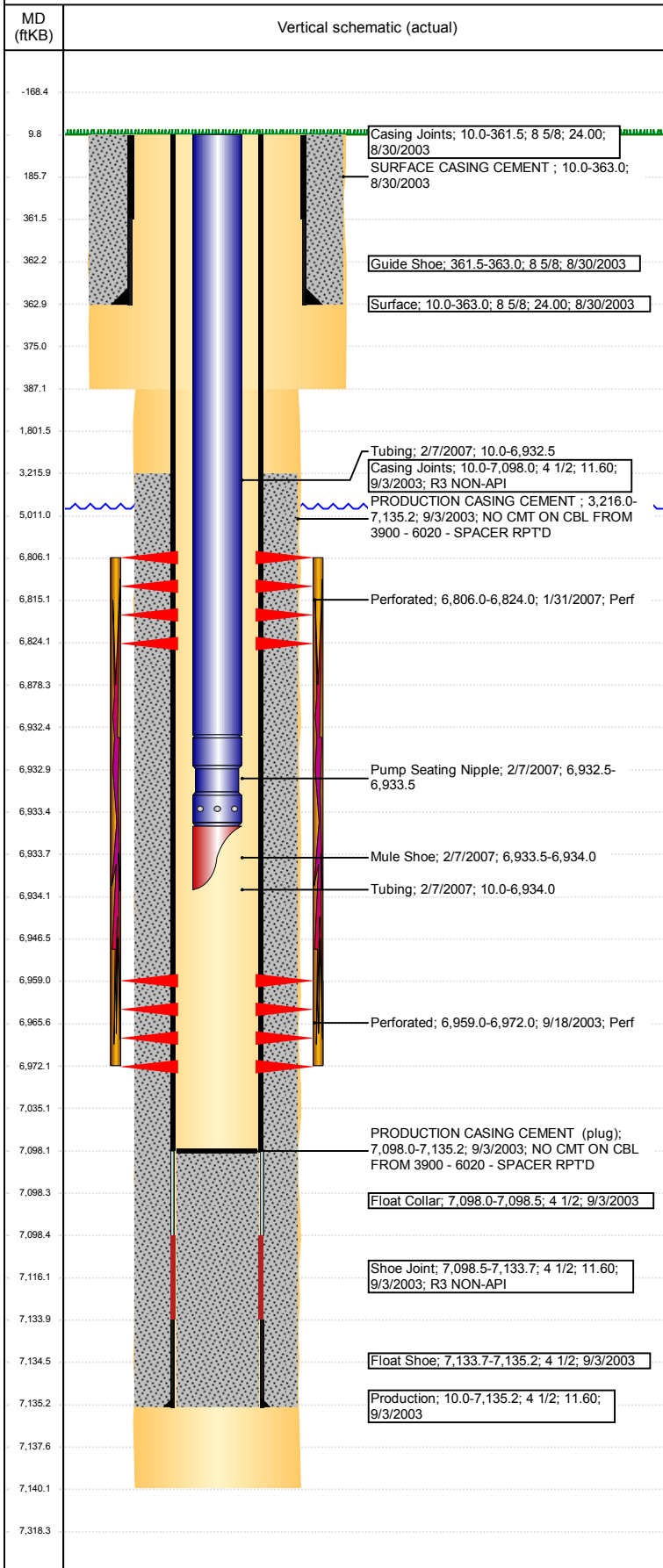
VERTICAL - ORIGINAL HOLE, 6/1/2017 2:13:41 PM



Well Header						
API 05-123-21642	Business Unit DJ BASIN		District 15	Well Config VERTICAL		
Original KB Elevation (ft) 4,750	KB - GL / MSL (ftKB) 10.00		Spud Date 8/29/2003		P & A Date	
Comment NO CASING GRADE; TESTED CASING TO 7100# 9/2003						
Directions To Well						
Congressional Location						
Quarter 3 SE	Quarter 4 SW	Section 17	Township 6	Twnshp N/S Dir N	Range 64	Range E/W Dir 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		
9/3/2003	7,098.0	TAG		FLOAT COLLAR		
9/17/2003	7,062.0	CASED HOLE LOG		DEPTH LOGGER FROM CBL		
2/7/2007	7,098.0	TAG		CLEAN OUT & LAND TBG		
Wellbore Sections						
Section Des		Size (in)		Act Top, MD (ftKB)		Act Btm, MD (ftKB)
SURFACE		12 1/4		10		387
PRODUCTION		7 7/8		387		7,140
Zone Statuses						
Zone Name	Status Date	Status	Fluid Type	Job	Prod Method	
CODELL	9/25/2003	PR	Water	DRILLING/CO...	Flowing	
CODELL	1/30/2007	SI		RE-FRAC & R...		
CODELL	2/13/2007	PR		RE-FRAC & R...		
CODELL	4/20/2010	PR				
NIOBRARA	2/13/2007	PR	Water	RE-FRAC & R...	Flowing	
NIOBRARA	4/20/2010	PR				
NIOBRARA	5/30/2017	PR				
Casing Strings						
Surface, 363.0ftKB						
Casing Description Surface	Run Date 8/30/2003	OD (in) 8 5/8	Wt/Len (l...) 24.00	Grade	Top, MD (ft...) 10.0	MD (ftKB) 363.0
Production, 7,135.3ftKB						
Casing Description Production	Run Date 9/3/2003	OD (in) 4 1/2	Wt/Len (l...) 11.60	Grade	Top, MD (ft...) 10.0	MD (ftKB) 7,135.3
Cement						
Description SURFACE CASING CEMENT				Top Depth (ftKB) 10.0		Bottom Depth (ftKB) 363.0
Description PRODUCTION CASING CEMENT				Top Depth (ftKB) 3,216.0		Bottom Depth (ftKB) 7,135.3
Tubing Strings						
Tubing Description Tubing	Run Date 2/7/2007	String... 2 3/8	ID (in)	Wt (lb/ft)	Grade	Len (ft) 6,924.00
Tubing Components						
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB) Btm (TVD) (ftKB)
Tubing	2 3/8	1.10		221	6,922.50	6,932.5
Pump Seating Nipple	2 3/8				1.00	6,933.5
Mule Shoe	2 3/8				0.50	6,934.0
Other In Hole						
Run Date	Des			OD (in)	Top (ftKB)	Btm (ftKB)
Logs						
Date	Type				Top, MD (ftKB)	Btm, MD (ftKB)
9/3/2003	COMPENSATED DENSITY				3,550.0	7,117.0
9/3/2003	INDUCTION				363.0	7,137.0
9/17/2003	CEMENT BOND				3,050.0	7,058.0
1/24/2017	GYRO				0.0	6,900.0

**Well Name: BRUCE 17-34**

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Perforation Data					
Linked Zone	Bnch/St g	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE		72	6,806.00	6,824.00	1/31/2007
CODELL, ORIGINAL HOLE		52	6,959.00	6,972.00	9/18/2003
Total (Sum)		124			
Stimulation Intervals					
Start Date 9/19/2003		Primary Job Type DRILLING/COMPLETION - ORIGINAL			
Technical Result		Tech Result Details		Tech Result Note	
Comment					
Start Date 2/6/2007		Primary Job Type RE-FRAC & RECOMPLETE			
Technical Result		Tech Result Details		Tech Result Note	
Comment LIMITED ENTRY					