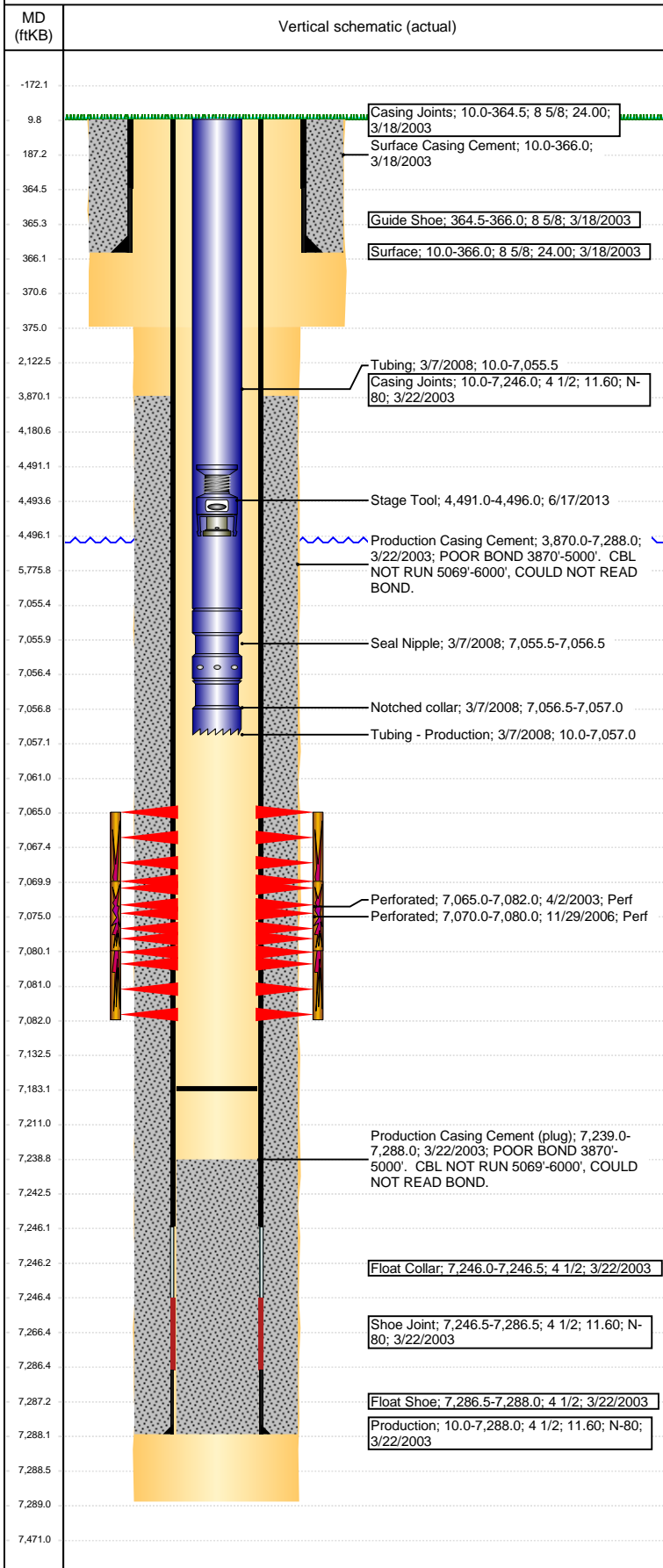


**Well Name: TIGGES 30-31**

VERTICAL - ORIGINAL HOLE, 4/10/2017 10:39:48 AM



## Well Header

API 05-123-20315	Business Unit DJ BASIN	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,744	KB - GL / MSL (ftKB) 10.00	Spud Date 3/17/2003	P & A Date

Comment  
DISCREPANCY: DRL RPT TD 7285', ST RPT AND LOG TD 7289'. USED 7289'. POOR BOND 3870'-5000'. CBL NOT RUN 5069'-6000', COULD NOT READ BOND.

Directions To Well

## Congressional Location

Quarter 3 NE	Quarter 4 SW	Section 30	Township 6	Twnshp N/S Dir N	Range 66	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
3/22/2003	7,246.0	CASING TALLY	TOP OF FLOAT COLLAR
4/1/2003	7,239.0	CASED HOLE LOG	DEPTH LOGGER ON CBL
3/6/2008	7,183.0	TAG	MOST RECENT TAG TAGGED WELL, DID NOT FIND BOTTOM

## Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	10	375
PRODUCTION	7 7/8	375	7,289

## Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
CODELL	4/8/2003	PR		DRILLING/CO...	
CODELL	12/11/2006	PR		RE-FRAC, 11/1...	
CODELL	11/1/2010	PR	Water		Flowing
CODELL	8/16/2016	PR			

## Casing Strings

### Surface, 366.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Surface	3/18/2003	8 5/8	24.00		10.0	366.0

### Production, 7,288.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	3/22/2003	4 1/2	11.60	N-80	10.0	7,288.0

## Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
Surface Casing Cement	10.0	366.0
Production Casing Cement	3,870.0	7,288.0

## Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	3/7/2008	2 3/8				7,047.00	

## Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
Tubing	2 3/8			219	7,045.50	7,055.5	
Seal Nipple	2 3/8				1.00	7,056.5	
Notched collar	2 3/8				0.50	7,057.0	

## Other In Hole

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)
6/17/2013	Stage Tool	2	4,491.0	4,496.0

## Logs

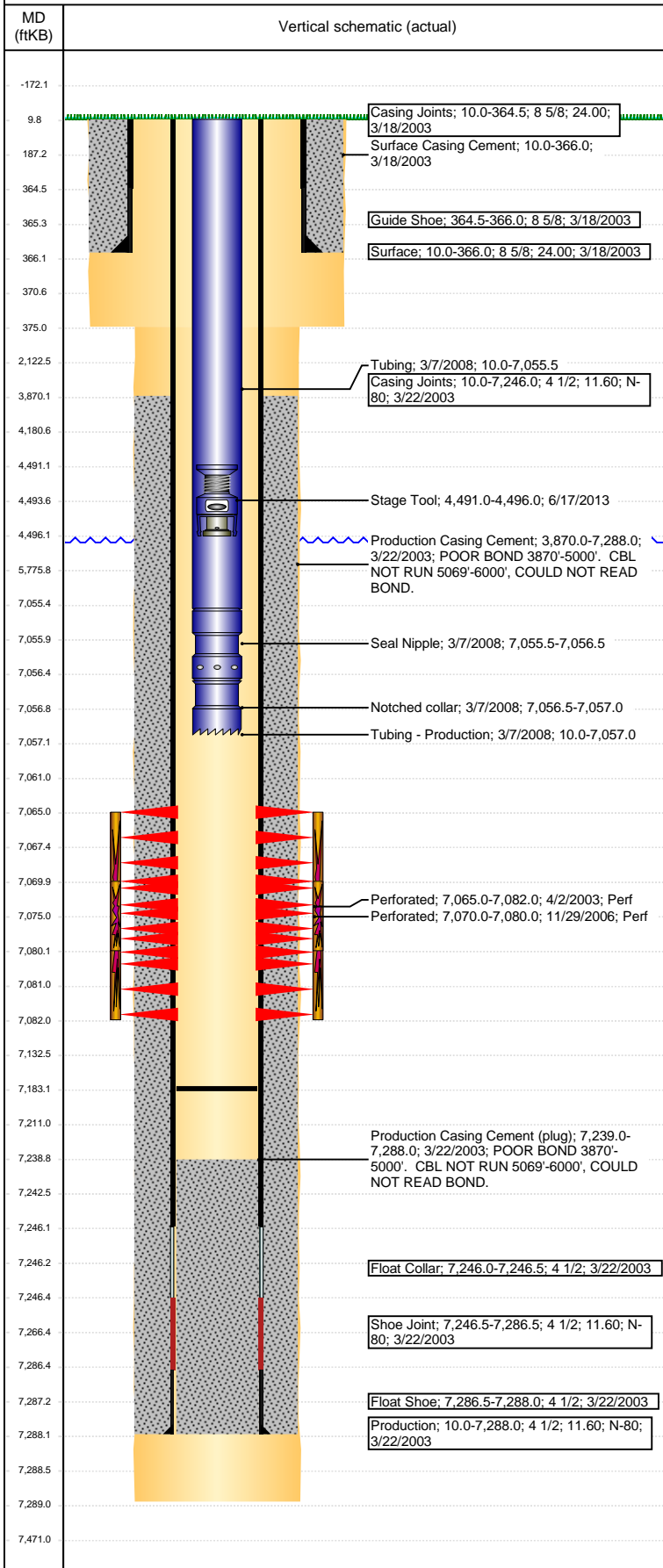
Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
3/22/2003	COMPENSATED DENSITY	3,990.0	7,269.0
3/22/2003	INDUCTION	366.0	7,289.0
4/1/2003	CBL/CCL/GR	3,700.0	7,236.0
3/23/2017	GYRO	0.0	7,000.0

## Perforation Data

Linked Zone	Bnch/St g	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
CODELL, ORIGINAL HOLE		68	7,065.00	7,082.00	4/2/2003
CODELL, ORIGINAL HOLE		40	7,070.00	7,080.00	11/29/2006

**Well Name: TIGGES 30-31**

VERTICAL - ORIGINAL HOLE, 4/10/2017 10:39:51 AM



## Perforation Data

Linked Zone	Bnch/St g	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
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**Total (Sum)**

**108**

## Stimulation Intervals

Start Date 4/4/2003	Primary Job Type DRILLING/COMPLETION - ORIGINAL			
Technical Result	Tech Result Details		Tech Result Note	

Comment

Start Date 11/30/2006	Primary Job Type RE-FRAC			
Technical Result	Tech Result Details		Tech Result Note	

Comment