

**Well Name:** BIRD K20-02

VERTICAL - ORIGINAL HOLE, 10/6/2016 9:04:49 AM

## Well Header

API 05-123-20201	Business Unit DJ BASIN	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,752	KB - GL / MSL (ftKB) 10.00	Spud Date 9/8/2001	P & A Date

Comment  
BTRYD W/ K20-1

Directions To Well  
CR 29 & CR 44 WEST 1/10 SOUTH INTO

## Congressional Location

Quarter 3 NW	Quarter 4 NE	Section 20	Township 4	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
9/13/2001	7,335.0	CASING TALLY	FLOAT SHOE
12/8/2004	7,309.0	TAG	LAND TBG

## Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	10	440
PRODUCTION	7 7/8	440	7,389

## Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
CODELL	9/28/2001	PR		DRILLING/CO...	
CODELL	11/30/2004	PR		RE-FRAC, 11/1...	
CODELL	10/6/2011	PR		TRI-FRAC, 8/3...	

## Casing Strings

### Surface Casing, 430.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...	Grade	Top, MD (ft...	MD (ftKB)
Surface Casing	9/9/2001	8 5/8	24.00	?	10.0	430.0

### Production, 7,358.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...	Grade	Top, MD (ft...	MD (ftKB)
Production	9/13/2001	4 1/2	11.60	I-80	10.0	7,358.0

## Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	10.0	430.0
Description	Top Depth (ftKB)	Bottom Depth (ftKB)
PRODUCTION CASING CEMENT	6,750.0	7,358.0

## Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	12/8/2004	2 3/8	1.995	4.70	J-55	7,227.00	
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Frac string	8/23/2011	2 7/8	2.441	6.50	N-80	7,197.21	
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	9/1/2011	2 3/8	1.995	4.70	J-55	7,233.50	

## Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
Tubing	2 3/8	4.70	J-55	224	7,232.80	7,242.8	
Seal Nipple	2 3/8	4.70	J-55	1	0.70	7,243.5	
Notched collar	2 3/8	4.70	J-55	1	0.00	7,243.5	

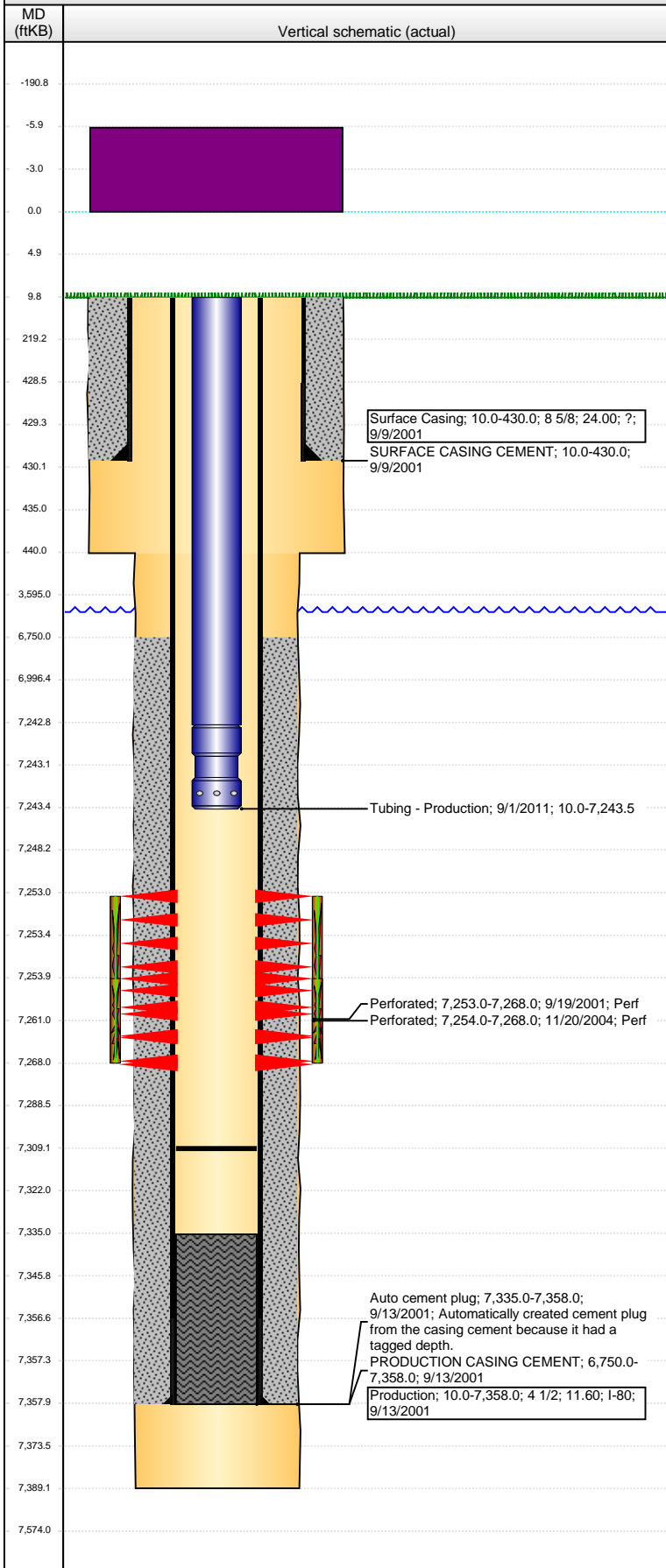
## Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
CODELL, ORIGINAL HOLE		60	7,253.00	7,268.00	9/19/2001
CODELL, ORIGINAL HOLE		28	7,254.00	7,268.00	11/20/2004

## Stimulations & Treatments

Date	Zone	Primary Job Type
9/26/2001	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL
Technical Result		Tech Result Details
		Tech Result Note

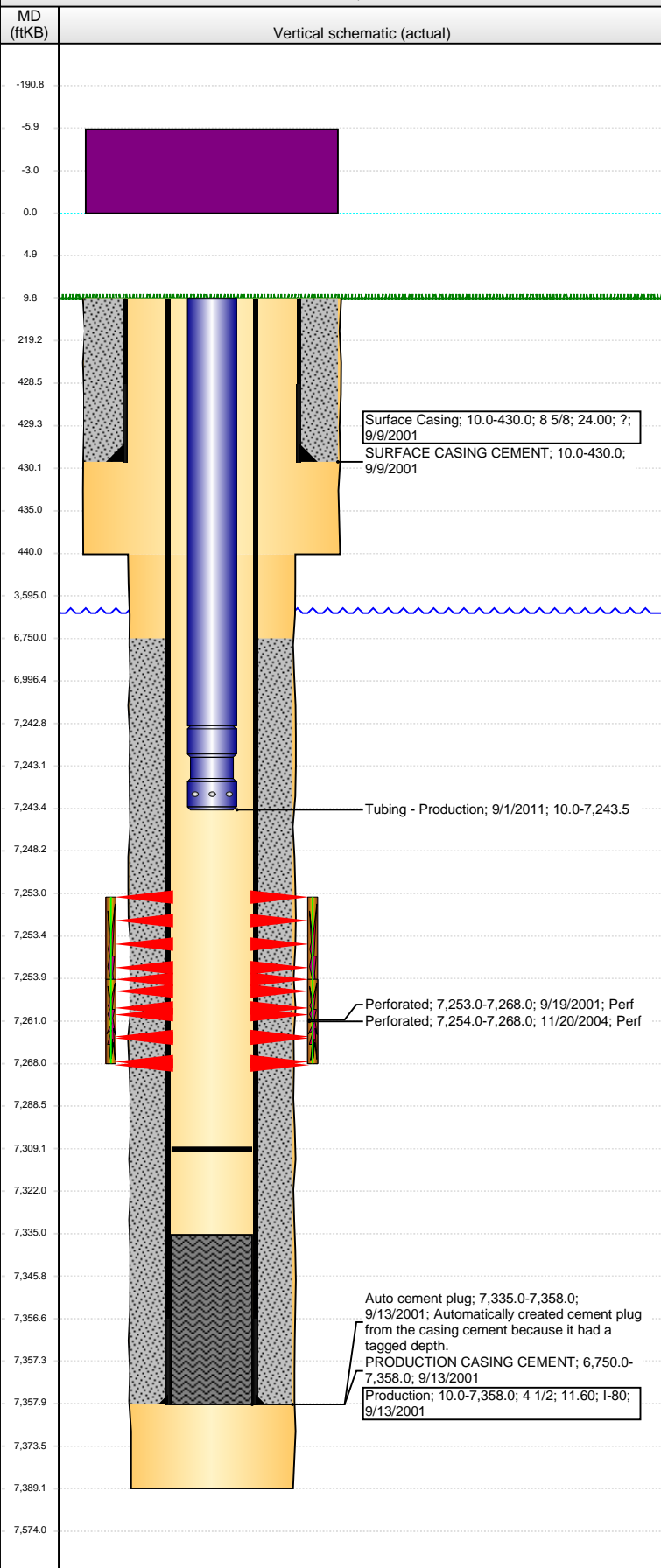
Comment



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## Stimulations & Treatments



Date	Zone	Primary Job Type			
11/22/2004	CODELL, ORIGINAL HOLE	RE-FRAC			
Technical Result		Tech Result Details		Tech Result Note	
Failure		Mechanical			
Comment					
ABORTED - DEVELOPED HOLE IN NIPPLE BTWN PRODUCTION CSG & 5K FRAC FLANGE.					
Date	Zone	Primary Job Type			
11/29/2004	CODELL, ORIGINAL HOLE	RE-FRAC			
Technical Result		Tech Result Details		Tech Result Note	
Comment					
Date	Zone	Primary Job Type			
8/30/2011	CODELL, ORIGINAL HOLE	TRI-FRAC			
Technical Result		Tech Result Details		Tech Result Note	
Success		According to Plan			
Comment					
[CD TRI-FRAC] JOB WENT WELL WITH NO ISSUES TO REPORT 3683 PSI SHUT IN PRESSURE, .10 AVG NOLTE SLOPE					
Other In Hole					
Run Date	Des		OD (in)	Top (ftKB)	Btm (ftKB)
Logs					
Date	Type			Top, MD (ftKB)	Btm, MD (ftKB)
9/12/2001	COMPENSATED DENSITY			430.0	7,369.0
9/12/2001	INDUCTION			430.0	7,370.0
9/18/2001	CBL/GR			6,640.0	7,340.0