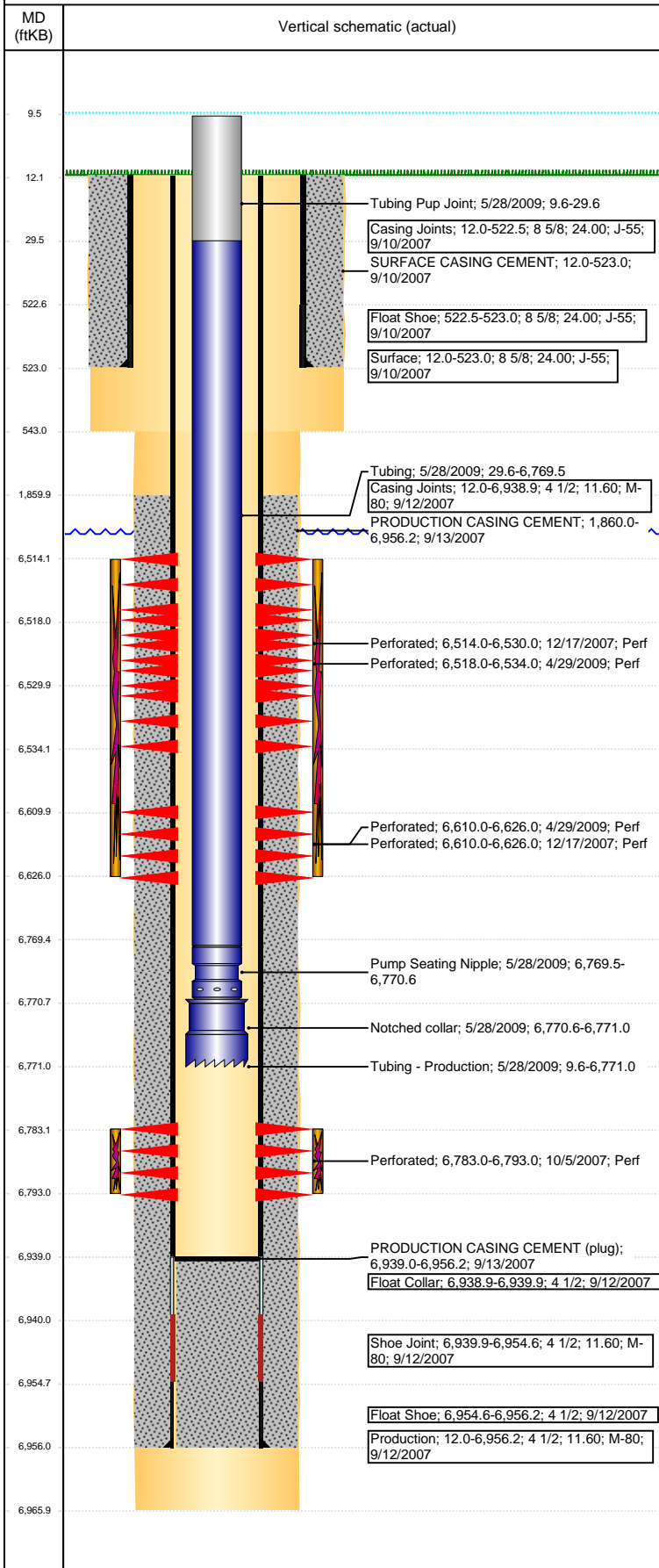


**Well Name: WELLS RANCH USX BB05-16**

VERTICAL - ORIGINAL HOLE, 3/29/2017 4:57:09 PM



## Well Header

API 05-123-26242	Business Unit DJ BASIN	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,754	KB - GL / MSL (ftKB) 12.00	Spud Date 9/9/2007	P & A Date
Comment			

## Directions To Well

FROM WCR 67 & WCR 68, EAST .2 MILE, SOUTH 2.5 MILES TO COW CAMP, SOUTHWEST .5 MILE, SOUTH 1 MILE, WEST 1.25 MILE, NORTH .1 MILE, SOUTHEAST .1 MILE.

## Congressional Location

Quarter 3 SE	Quarter 4 SE	Section 5	Township 5	Twnshp N/S Dir N	Range 63	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
9/13/2007	6,939.0	CASING TALLY	TOP OF FLOAT COLLAR
9/26/2007	6,903.0	CASED HOLE LOG	DEPTH LOGGER ON CBL
12/28/2007	6,902.5	TAG	CLEAN OUT
5/27/2009	6,939.0	TUBING TALLY	

## Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	12	543
PRODUCTION	7 7/8	543	6,966

## Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
CODELL	1/17/2008	PR		DRILLING/CO...	
NIOBRARA	12/17/2007	AB		DRILLING/CO...	
NIOBRARA	5/23/2009	PR		RECOMPLETI...	

## Casing Strings

### Surface, 523.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Surface	9/10/2007	8 5/8	24.00	J-55	12.0	523.0

### Production, 6,956.2ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	9/12/2007	4 1/2	11.60	M-80	12.0	6,956.2

## Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	12.0	523.0
PRODUCTION CASING CEMENT	1,860.0	6,956.2

## Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	12/28/2007	2 3/8	2.00	4.70	J-55	6,749.00	
Tubing - Production	5/28/2009	2 3/8	2.00	4.70	J-55	6,761.39	

## Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
Tubing Pup Joint	2 3/8	4.70	J-55	2	20.00	29.6	
Tubing	2 3/8	4.70	J-55	219	6,739.89	6,769.5	
Pump Seating Nipple	2 3/8			1	1.10	6,770.6	
Notched collar	3 1/16			1	0.40	6,771.0	

## Other In Hole

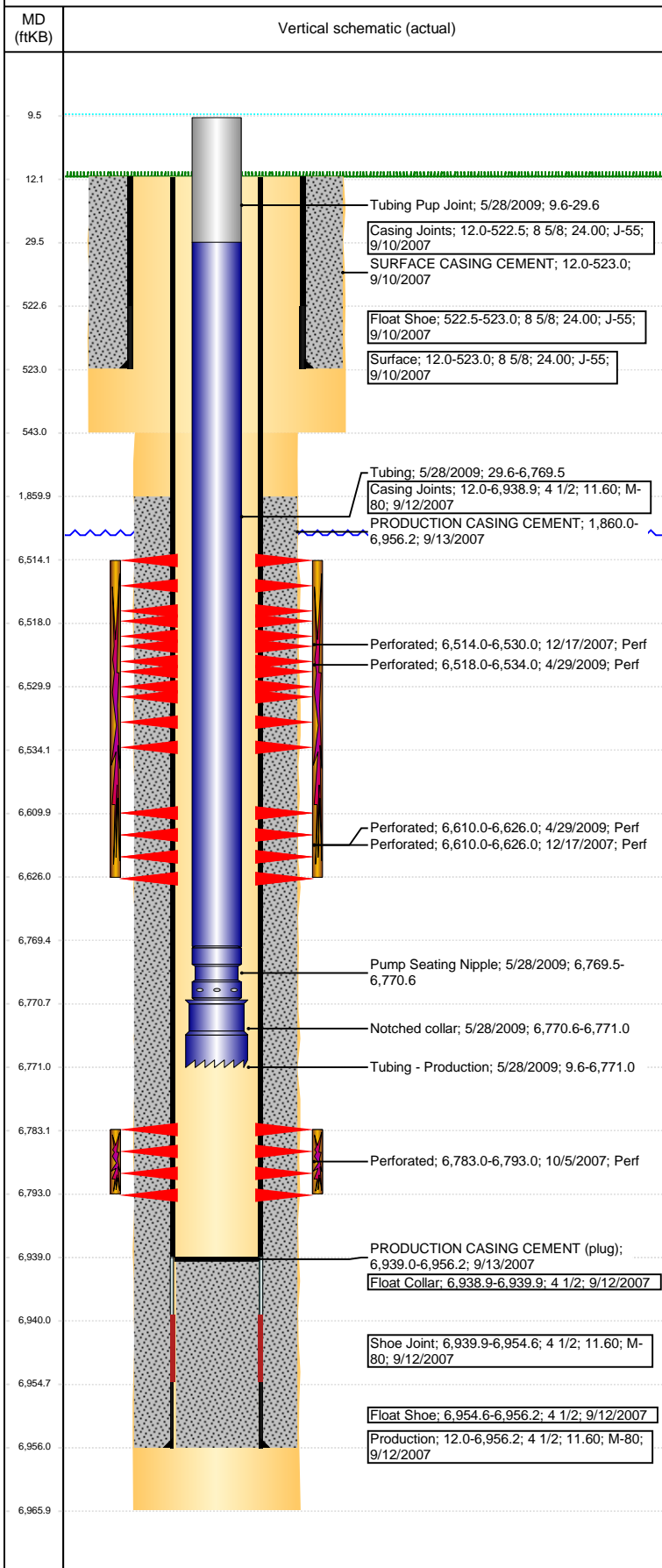
Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)

## Logs

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
9/13/2007	COMPENSATED DENSITY	2,720.0	6,939.0
9/13/2007	INDUCTION	523.0	6,959.0
9/26/2007	CBL/CCL/GR	1,690.0	6,901.0
5/8/2015	GYRO	12.0	6,700.0

**Well Name: WELLS RANCH USX BB05-16**

VERTICAL - ORIGINAL HOLE, 3/29/2017 4:57:11 PM



Perforation Data					
Linked Zone	Bnch/St g	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE	A	64	6,514.00	6,530.00	12/17/2007
NIOBRARA, ORIGINAL HOLE		32	6,518.00	6,534.00	4/29/2009
NIOBRARA, ORIGINAL HOLE		32	6,610.00	6,626.00	4/29/2009
NIOBRARA, ORIGINAL HOLE	B	64	6,610.00	6,626.00	12/17/2007
CODELL, ORIGINAL HOLE		40	6,783.00	6,793.00	10/5/2007
<b>Total (Sum)</b>		<b>232</b>			

Stimulation Intervals		
Start Date 12/17/2007	Primary Job Type DRILLING/COMPLETION - ORIGINAL	
Technical Result	Tech Result Details	Tech Result Note
Success	According to Plan	
Comment SCREENED OUT 28K INTO JOB. FOUND THAT ACID WAS LEAKING INTO THE BLENDER SUCTION MANIFOLD. UNABLE TO BREAK INTO NIO FORMATION FOR FRAC.		
Start Date 5/21/2009	Primary Job Type RECOMPLETION	
Technical Result	Tech Result Details	Tech Result Note
Success	According to Plan	
Comment (NIOBRARA): RAN ARIZONA BLACK 30/50 SAND TREATMENT WENT WELL AVG VISC 24 CPS AVG TEMP 69.9F AVG PH 10.09 POST JOB 5 MINUTE OF 3104 PS		
Start Date 1/14/2008	Primary Job Type DRILLING/COMPLETION - ORIGINAL	
Technical Result	Tech Result Details	Tech Result Note
Success	According to Plan	
Comment FRAC THE CODELL DOWN A DEAD STRING - NO PROBLEMS TO REPORT		