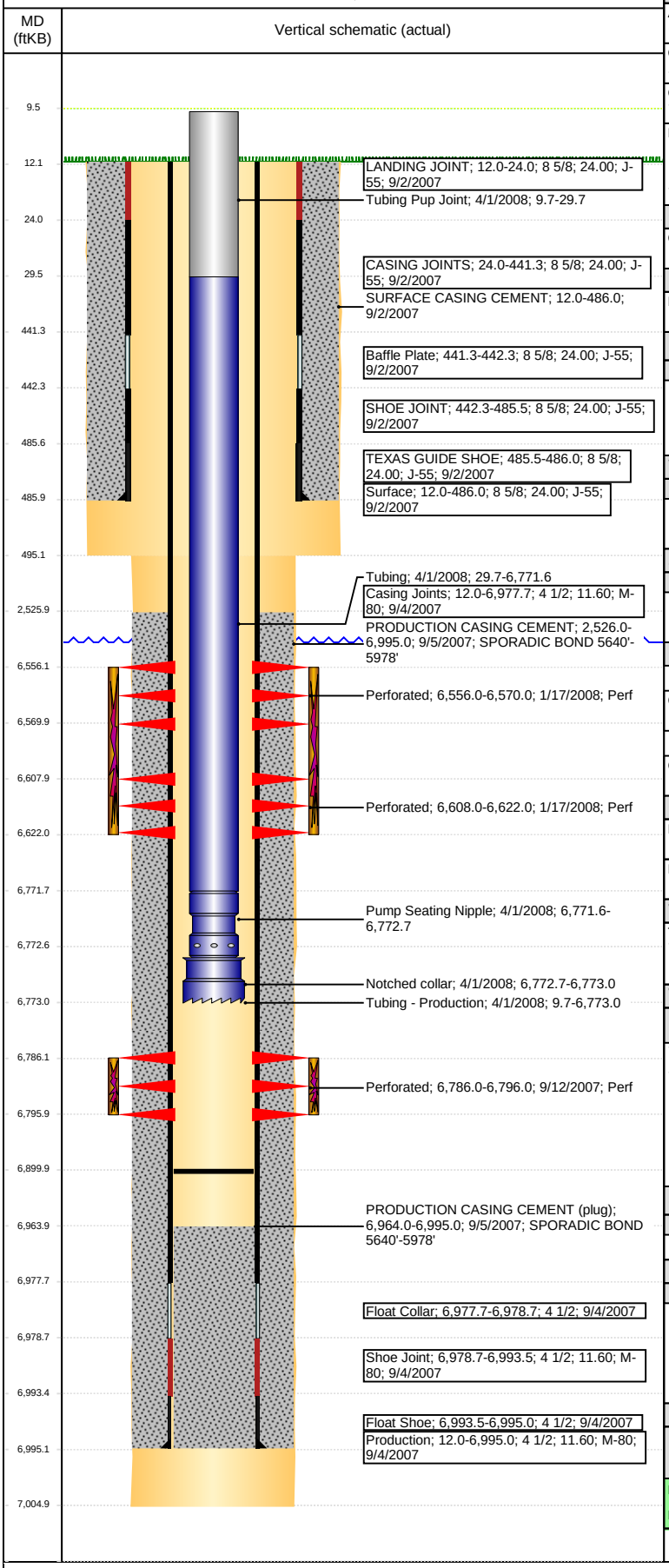
Wellbore Schematic Input Report

Well Name: WELLS RANCH USX BB05-11

VERTICAL - ORIGINAL HOLE, 3/21/2017 11:05:08 AM



Well Header

API	Business Unit	District	Well Config
05-123-26211	DJ BASIN	15	VERTICAL
Original KB Elevation (ft)	**KB - GL / MSL (ftKB)**	**Spud Date**	**P & A Date**
4,716	12.00	9/1/2007	

Comment: TD DISCREPANCY: LOGGERS TD 7005', DRILLERS AND STATE RPT 6998'

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 1.75 mile, North .1 mile, Northeast .1 mile to location

Congressional Location

Quarter 3	Quarter 4	Section	Township	Twnshp N/S Dir	Range	Range E/W Dir
NE	SW	5	5	N	63	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
9/5/2007	6,977.7	CASING TALLY	TOP OF FLOAT COLLAR
9/11/2007	6,964.0	CASED HOLE LOG	DEPTH LOGGER ON CBL
3/31/2008	6,900.0	TUBING TALLY	CHASED CIFTP DOWN TO 6900'

Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	12	495
PRODUCTION	7 7/8	495	7,005

Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
NIOBRARA	1/21/2008	PR		DRILLING/CO...	
CODELL	1/21/2008	PR		DRILLING/CO...	

Casing Strings

Surface, 486.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...	Grade	Top, MD (ft...	MD (ftKB)
Surface	9/2/2007	8 5/8	24.00	J-55	12.0	486.0

Production, 6,995.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...	Grade	Top, MD (ft...	MD (ftKB)
Production	9/4/2007	4 1/2	11.60	M-80	12.0	6,995.0

Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	12.0	486.0
PRODUCTION CASING CEMENT	2,526.0	6,995.0

Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	4/1/2008	2 3/8	2.00	4.70	J-55	6,763.33	

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	29.7	
Tubing	2 3/8	4.70	J-55	217	6,741.93	6,771.6	
Pump Seating Nipple	2 3/8			1	1.10	6,772.7	
Notched collar	3 1/16			1	0.30	6,773.0	

Other In Hole

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

Logs

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
9/4/2007	COMPENSATED DENSITY	2,600.0	6,985.0
9/4/2007	INDUCTION	486.0	6,998.0
9/11/2007	CBL/CCL/GR	2,400.0	6,962.0
5/14/2015	GYRO	12.0	6,700.0

Perforation Data

Linked Zone	Bnch/Stg	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE	A	56	6,556.00	6,570.00	1/17/2008
NIOBRARA, ORIGINAL HOLE	B	56	6,608.00	6,622.00	1/17/2008

Report Printed: 3/21/2017

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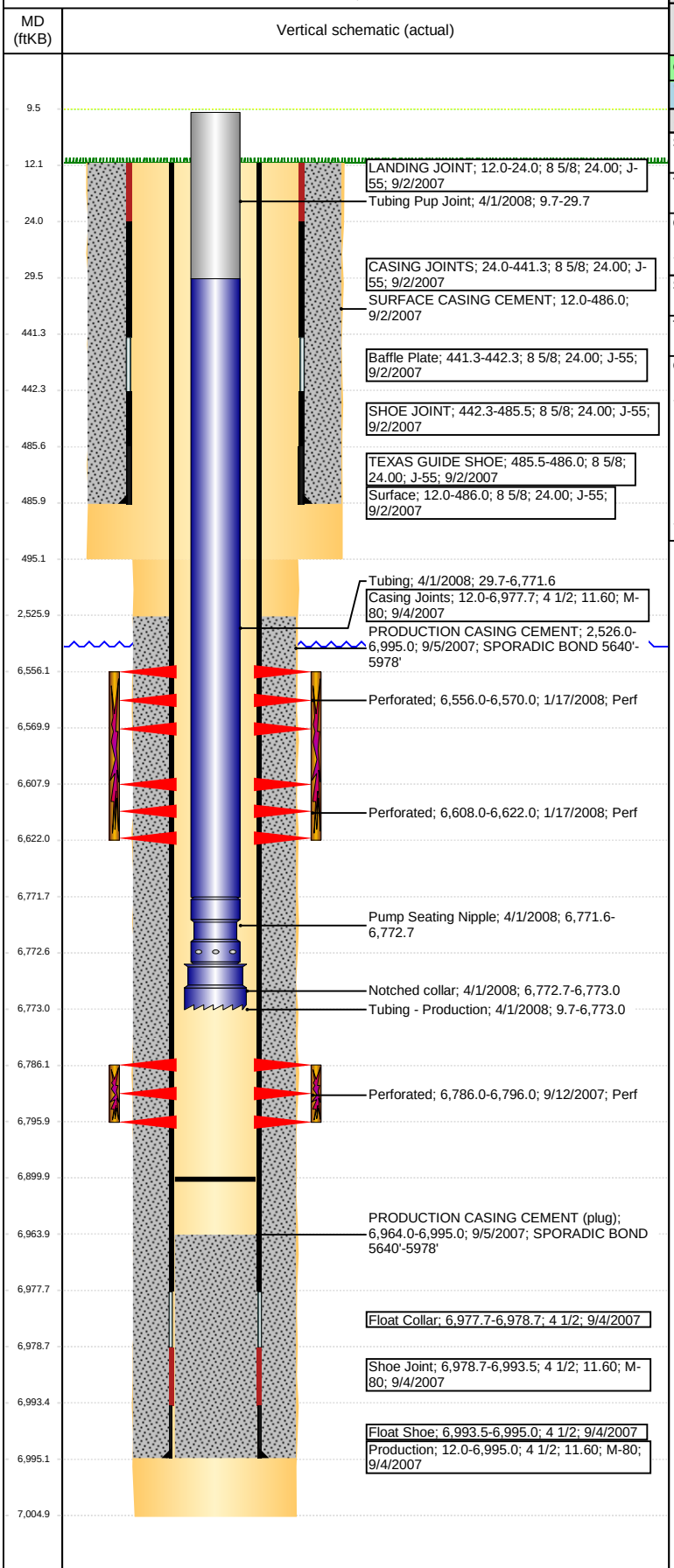

Perforation Data

Linked Zone	Bnch/Stg	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
CODELL, ORIGINAL HOLE		40	6,786.00	6,796.00	9/12/2007
Total (Sum)		**152**			

Stimulation Intervals

Start Date	Primary Job Type
1/17/2008	DRILLING/COMPLETION - ORIGINAL

Technical Result	Tech Result Details	Tech Result Note
Success	According to Plan	

Comment

(Codell): A good overall treatment. Nolte Slope: The treatment exhibited a flat pressure response throughout the sand laden stages of the treatment.

Start Date	Primary Job Type
1/17/2008	DRILLING/COMPLETION - ORIGINAL

Technical Result	Tech Result Details	Tech Result Note
Failure	Mechanical	

Comment

(Niobrara): Early issues with pumps and wellhead valve. The Deck engine on the blender started having issues at the end of the 3.0 ppg sand stage. Deck engine was able to be restarted and treatment was able to be walk back up to 4.0 ppg sand when the deck engine was lost again and the well was flushed 52,000 lbs of 4.0 ppg sand short.

Nolte Slope: The treatment exhibited a slightly positive trend throughout throughout the sand laden stages (Nolte = 0.077).

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