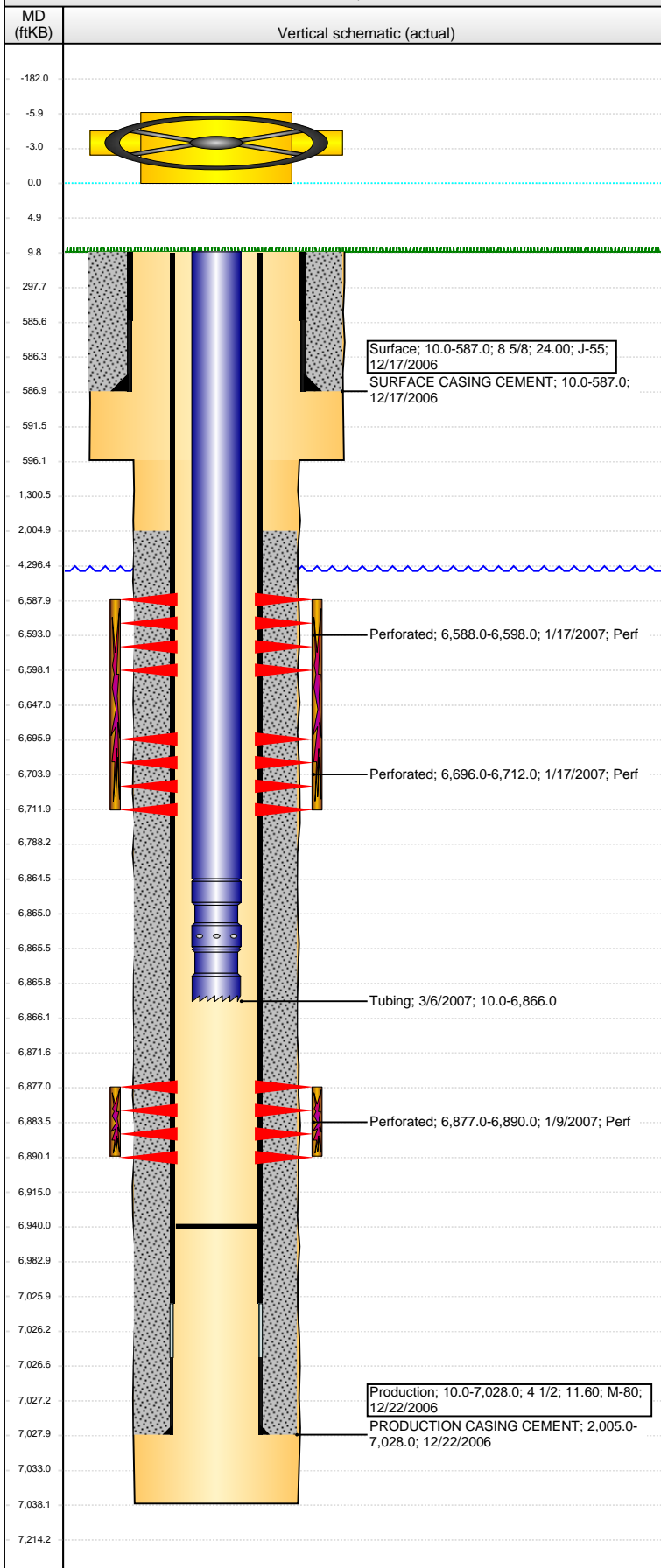


**Well Name: KLEIN B19-19**

VERTICAL - ORIGINAL HOLE, 11/5/2016 11:37:47 AM



## Well Header

API 05-123-24370	Business Unit DJ BASIN	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,633	KB - GL / MSL (ftKB) 10.00	Spud Date 12/16/2006	P & A Date

## Comment

PUSH FP TO 6940  
STATE HAS WRONG NIO PERF INTERVAL. IT IS BEING CORRECTED.

## Directions To Well

## Congressional Location

Quarter 3 SE	Quarter 4 NW	Section 19	Township 5 N	Twship N/S Dir 64 W	Range 64 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
12/22/2006	7,013.0	CASING TALLY	FLOAT SHOE W/ BAFFLE
1/4/2007	6,995.0	CASED HOLE LOG	DEPTH LOGGER ON CBL
3/5/2007	6,940.0	TAG	DRILLED OUT CIFF TO LAND TUBING

## Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	10	596
PRODUCTION	7 7/8	596	7,038

## Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
CODELL	1/20/2007	PR		DRILLING/CO...	
CODELL	2/11/2010	PR	Water		Flowing
NIOBRARA	1/20/2007	PR		DRILLING/CO...	
NIOBRARA	2/11/2010	PR	Water		Flowing
NIOBRARA	10/27/2016	SI			

## Casing Strings

### Surface, 587.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Surface	12/17/2006	8 5/8	24.00	J-55	10.0	587.0

### Production, 7,028.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	12/22/2006	4 1/2	11.60	M-80	10.0	7,028.0

## Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	10.0	587.0
Description	Top Depth (ftKB)	Bottom Depth (ftKB)
PRODUCTION CASING CEMENT	2,005.0	7,028.0

## Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing	3/6/2007	2 3/8	1.995	4.70	J-55	6,856.00	

## Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
EUE 8rd Tubing	2 3/8	4.70	J-55	222	6,854.50	6,864.5	
Pump Seating Nipple	2 3/8	1.10			1.00	6,865.5	
Notched collar	2 3/8				0.50	6,866.0	

## Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE		60	6,588.00	6,598.00	1/17/2007
NIOBRARA, ORIGINAL HOLE		96	6,696.00	6,712.00	1/17/2007
CODELL, ORIGINAL HOLE		52	6,877.00	6,890.00	1/9/2007

## Stimulations & Treatments

Date	Zone	Primary Job Type
1/17/2007	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL
Technical Result	Tech Result Details	Tech Result Note

## Comment

**Well Name: KLEIN B19-19**

VERTICAL - ORIGINAL HOLE, 11/5/2016 11:37:50 AM

## Stimulations & Treatments

Date 1/17/2007	Zone NIOBRARA, ORIGINAL HOLE	Primary Job Type DRILLING/COMPLETION - ORIGINAL
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Technical Result	Tech Result Details	Tech Result Note
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Comment

## Other In Hole

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

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
12/20/2006	COMPENSATED DENSITY	2,500.0	7,016.0
12/20/2006	INDUCTION	587.0	7,036.0
1/4/2007	CBL/CCL/GR	1,860.0	6,993.0

