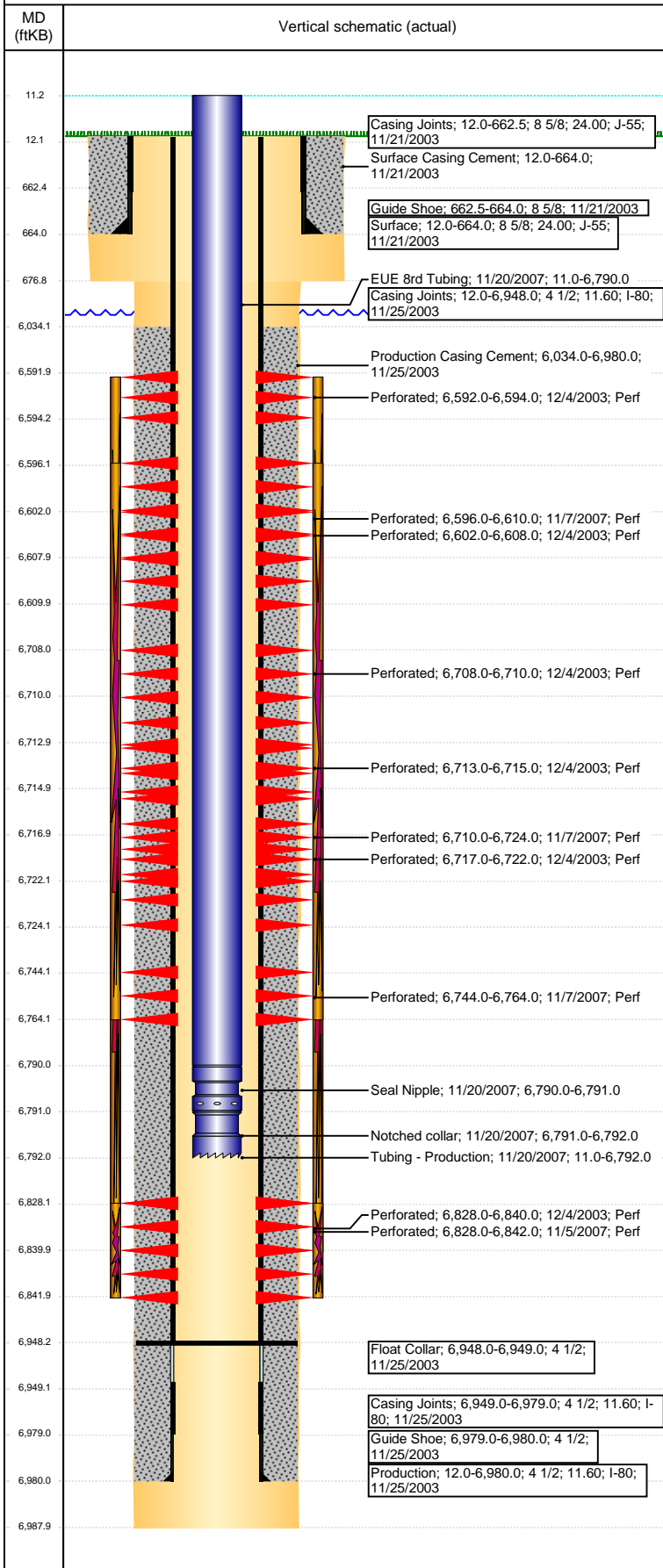


**Well Name: BRIGGS 15-33**

VERTICAL - ORIGINAL HOLE, 4/17/2017 10:25:43 AM



## Well Header

API	Business Unit	District	Well Config
05-123-21809	DJ BASIN	15	VERTICAL
Original KB Elevation (ft)	KB - GL / MSL (ftKB)	Spud Date	P & A Date
4,642	12.00	11/20/2003	

Comment  
TD DISCREPANCY: DRILLER'S TD 6960', LOGGER'S TD 6988', PROD CSG SET @ 6980'

PROD CSG DEPTH DISCREPANCY: ST RPT 6988', DRL RPT & CMNT RPT 6980', USED DRL RPT DEPTH

WELLHEAD IS 3000#

Directions To Well  
RD 62 1/2 & HWY 37, W 1 2/10, S INTO

## Congressional Location

Quarter 3	Quarter 4	Section	Township	Twnshp N/S Dir	Range	Range E/W Dir
SW	SE	33	6	N	64	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
11/25/2003	6,948.0	CASING TALLY	TOP OF FLOAT COLLAR
12/4/2003	6,930.0	CASED HOLE LOG	DEPTH LOGGER ON CBL
12/16/2003	6,950.0	TAG	CLEAN OUT
11/19/2007	6,948.0	TAG	DRILL FRAC PLUG AND CLEAN OUT TO PBTD

## Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	12	677
PRODUCTION	7 7/8	677	6,988

## Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
NIOBRARA	12/19/2003	PR	Water	DRILLING/CO...	Flowing
NIOBRARA	11/12/2007	PR		RE-FRAC, 11/1...	
NIOBRARA	10/3/2014	PR			
CODELL	12/19/2003	PR	Water	DRILLING/CO...	Flowing
CODELL	11/12/2007	PR		RE-FRAC, 11/1...	
CODELL	10/3/2014	PR			

## Casing Strings

### Surface, 664.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (lb/ft)	Grade	Top, MD (ft...)	MD (ftKB)
Surface	11/21/2003	8 5/8	24.00	J-55	12.0	664.0

### Production, 6,980.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (lb/ft)	Grade	Top, MD (ft...)	MD (ftKB)
Production	11/25/2003	4 1/2	11.60	I-80	12.0	6,980.0

## Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
Surface Casing Cement	12.0	664.0
Production Casing Cement	6,034.0	6,980.0

## Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
PRODUCTION	12/17/2003	2 3/8	2.00	4.70	J55	6,797.01	
TUBING	3						
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	11/20/2007	2 3/8	2.00	4.70	J-55	6,781.01	
7							

## 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	218	6,779.01	6,790.0	
Seal Nipple	2 3/8			1	1.00	6,791.0	
Notched collar	2 3/8			1	1.00	6,792.0	

## Other In Hole

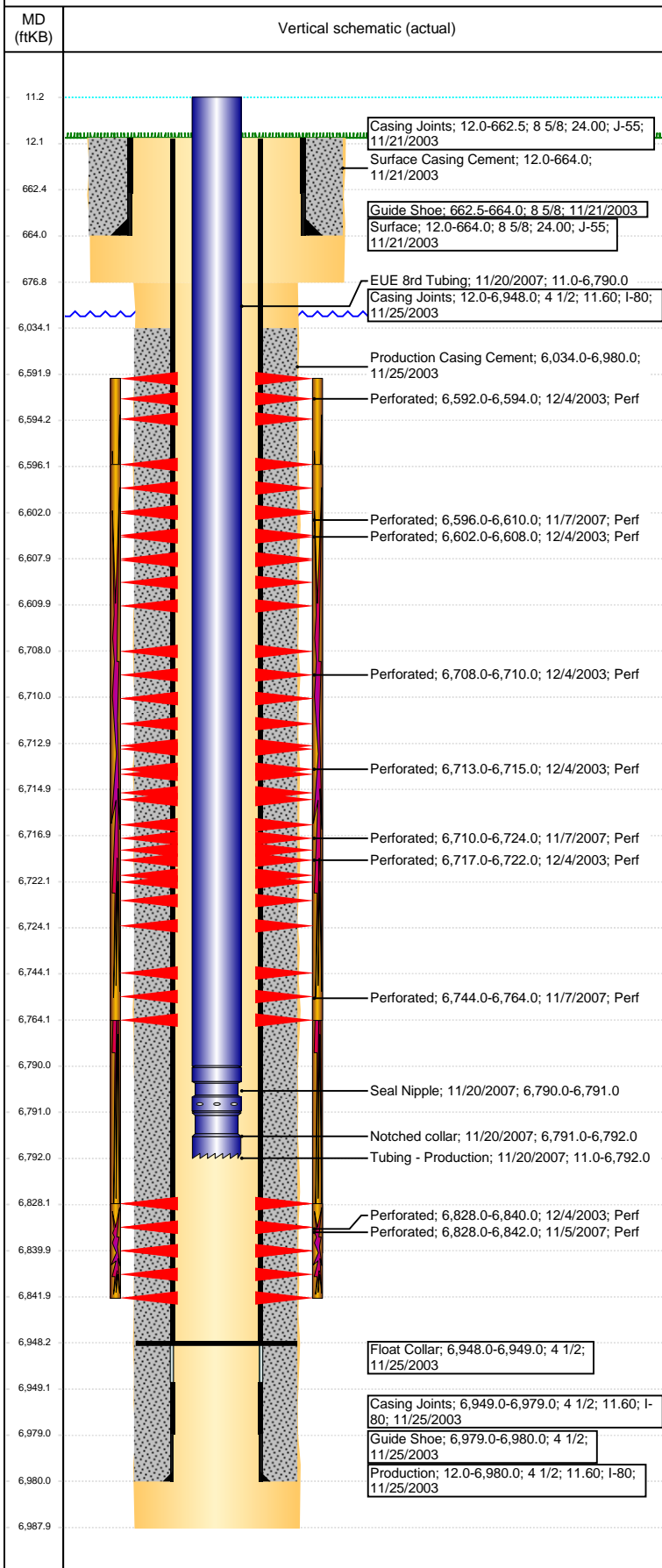
Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)

## Logs

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
11/25/2003	COMPENSATED DENSITY	664.0	6,968.0

**Well Name: BRIGGS 15-33**

VERTICAL - ORIGINAL HOLE, 4/17/2017 10:25:45 AM



Logs			
Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
11/25/2003	INDUCTION	664.0	6,988.0
12/4/2003	CEMENT BOND	5,910.0	6,927.0
2/7/2017	GYRO	0.0	6,700.0

Perforation Data					
Linked Zone	Bnch/St g	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIORARA, ORIGINAL HOLE		2	6,592.00	6,594.00	12/4/2003
NIORARA, ORIGINAL HOLE		28	6,596.00	6,610.00	11/7/2007
NIORARA, ORIGINAL HOLE		6	6,602.00	6,608.00	12/4/2003
NIORARA, ORIGINAL HOLE		2	6,708.00	6,710.00	12/4/2003
NIORARA, ORIGINAL HOLE		28	6,710.00	6,724.00	11/7/2007
NIORARA, ORIGINAL HOLE		2	6,713.00	6,715.00	12/4/2003
NIORARA, ORIGINAL HOLE		5	6,717.00	6,722.00	12/4/2003
NIORARA, ORIGINAL HOLE		20	6,744.00	6,764.00	11/7/2007
CODELL, ORIGINAL HOLE		24	6,828.00	6,840.00	12/4/2003
CODELL, ORIGINAL HOLE		42	6,828.00	6,842.00	11/5/2007

<b>Total (Sum)</b>	<b>159</b>			
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Stimulation Intervals		
Start Date	Primary Job Type	
12/8/2003	DRILLING/COMPLETION - ORIGINAL	
Technical Result	Tech Result Details	Tech Result Note

Comment  
LIMITED ENTRY FRAC  
SCREENED OUT

Start Date	Primary Job Type	
11/7/2007	RE-FRAC	
Technical Result	Tech Result Details	Tech Result Note

Comment  
CODELL REFRAC

Start Date	Primary Job Type	
11/7/2007	RE-FRAC	
Technical Result	Tech Result Details	Tech Result Note

Comment  
NIORARA REFRAC; SPEARHEAD W/ 1000 GAL OF 15% HCL

A, B & C BENCH