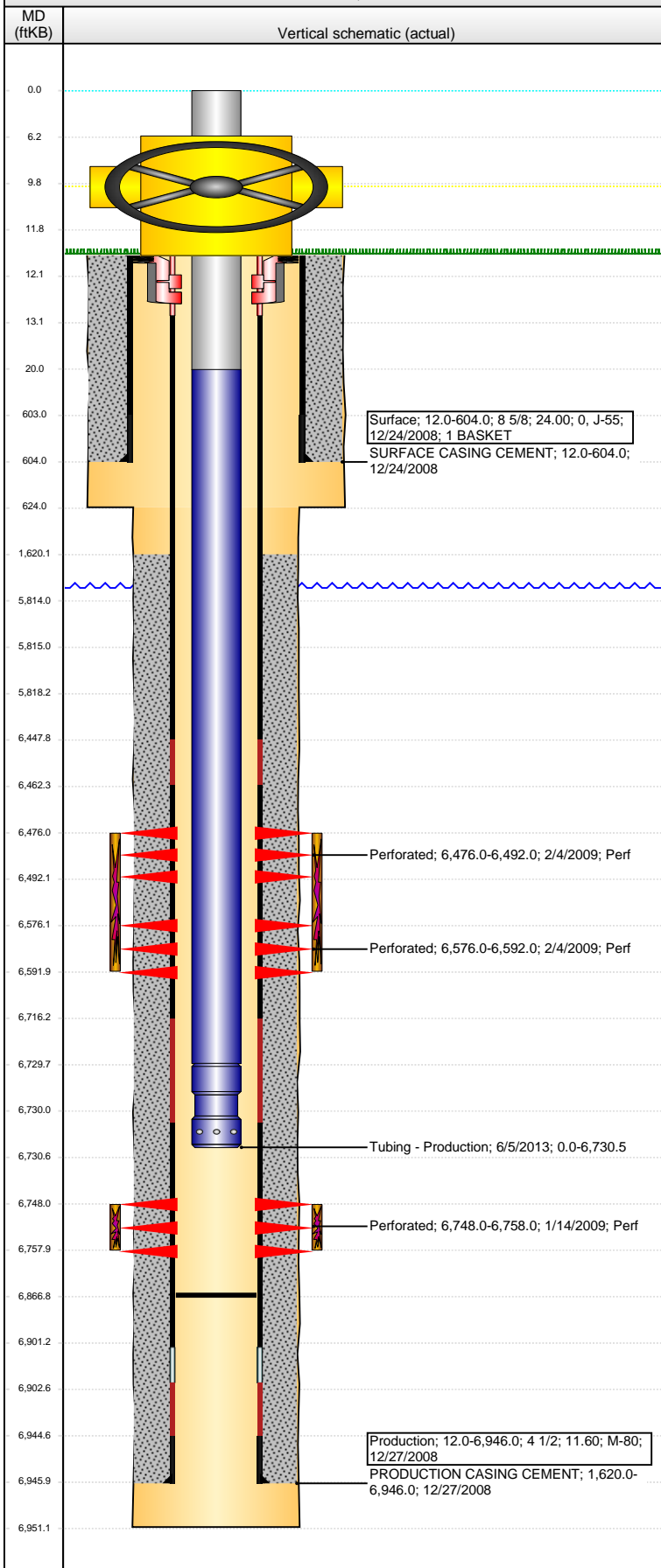


**Well Name: BASHOR STATE AA16-10**

VERTICAL - ORIGINAL HOLE, 11/29/2016 2:42:17 PM



## Well Header

API 05-123-29263	Business Unit DJ BASIN	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,695	KB - GL / MSL (ftKB) 12.00	Spud Date 12/23/2008	P & A Date
Comment			

## Directions To Well

BASHOR STATE AA16-10; WCR 67 & 68, .75 WEST, NORTH .5, EAST .5, SOUTH INTO LOCATION.

## Congressional Location

Quarter 3 NW	Quarter 4 SE	Section 16	Township 6 N	Twship N/S Dir 63 W	Range 63 W	Range E/W Dir
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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
12/27/2008	6,901.0	CASING TALLY	
3/18/2009	6,892.0	TAG	
3/8/2013	6,877.0	TAG	
6/5/2013	6,866.8	TBG TAG	

## Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	12	624
PRODUCTION	7 7/8	624	6,951

## Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
NIOBRARA	2/6/2009	PR		DRILLING - OR...	
CODELL	2/6/2009	PR		DRILLING - OR...	

## Casing Strings

### Surface, 604.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Surface	12/24/2008	8 5/8	24.00	J-55	12.0	604.0

### Production, 6,946.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	12/27/2008	4 1/2	11.60	M-80	12.0	6,946.0

## Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	12.0	604.0
Description	Top Depth (ftKB)	Bottom Depth (ftKB)
PRODUCTION CASING CEMENT	1,620.0	6,946.0

## Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production		2 3/8	1.995	4.70	J-55	5,806.20	5,816.8
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	3/18/2009	2 3/8	1.995	4.70	J-55	6,718.67	6,726.8
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	6/5/2013	2 3/8	1.995	4.70	J-55	6,730.50	6,729.0

## 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	1	10.00	10.0	
Tubing Pup Joint	2 3/8	4.70	J-55	1	10.00	20.0	
EUE 8rd Tubing	2 3/8	4.70	J-55	219	6,709.50	6,729.5	
Notch Seat Nipple	2 3/8	1.10	N-80	1	1.00	6,730.5	6,729.0

## Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE	A	32	6,476.00	6,492.00	2/4/2009
NIOBRARA, ORIGINAL HOLE	B	32	6,576.00	6,592.00	2/4/2009
CODELL, ORIGINAL HOLE		40	6,748.00	6,758.00	1/14/2009

**Well Name: BASHOR STATE AA16-10**

VERTICAL - ORIGINAL HOLE, 11/29/2016 2:42:19 PM

## Stimulations & Treatments

Date 2/4/2009	Zone CODELL, ORIGINAL HOLE	Primary Job Type DRILLING - ORIGINAL
Technical Result Success	Tech Result Details According to Plan	Tech Result Note

Comment  
(CODELL): REVERSE STEP RATE RESULTS: PO - 15. NWB FRIC - 265 PSI. PERF FRIC - 163 PSI. ISIP - 2812 PSI. INC RATE T/ 22 BPM DUE TO HIGH LO. TREATMENT WENT WELL. NOLTE FLAT. POST ISIP - 3247 PSI.

Date 2/4/2009	Zone NIOBRARA, ORIGINAL HOLE	Primary Job Type DRILLING - ORIGINAL
Technical Result Success	Tech Result Details According to Plan	Tech Result Note

Comment  
(NIOBRARA): ISIP - 3120 PSI. TREATMENT WENT WELL. NOLTE FLAT. POST ISIP - 3255 PSI.

## Other In Hole

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

## Logs

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
12/27/2008	Caliper/comp. Density/Neutron/GR/SP/ML	604.0	6,960.0
12/27/2008	CBL/CCL/GR	604.0	6,960.0
1/14/2009	CBL/CCL/GR	1,620.0	6,946.0
10/24/2012	GYRO	12.0	6,700.0

