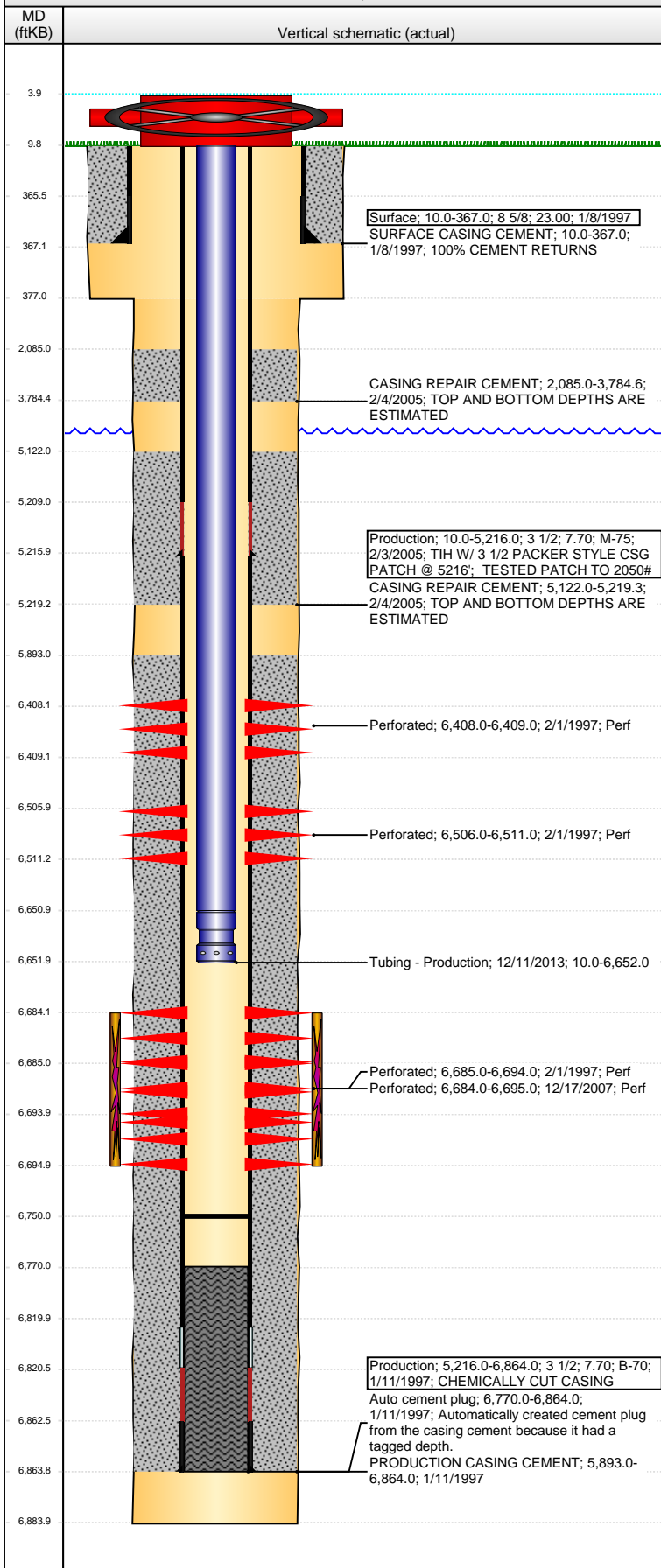


Well Name: THOMSON B12-13

VERTICAL - ORIGINAL HOLE, 11/7/2016 3:27:20 PM



Well Header

API 05-123-19266	Business Unit DJ BASIN	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,605	KB - GL / MSL (ftKB) 10.00	Spud Date 1/7/1997	P & A Date

Comment

csg rpr 1/05 patch @ 5216, 245 sx cmt, test to 2050

Directions To Well

WCR 388 & WCR 59, N 5/10, E 1/10, N INTO.

Congressional Location

Quarter 3 SW	Quarter 4 SW	Section 12	Township 5	TwNS Dir N	Range 64	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
1/11/1997	6,820.0	CASING TALLY	TOP OF FLOAT COLLAR
1/15/1997	6,770.0	CASED HOLE LOG	DEPTH LOGGER ON CBL
3/21/2013	6,752.0	TAG	TAGGED WITH BIT & SCRAPER.
12/6/2013	6,750.0	TAG	TAG W/ SLICKLINE

Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
Surface	12 1/4	10	377
Production	7 7/8	377	6,884

Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
NIOBRARA	3/20/1997	PR	Gas	DRILLING/CO...	
NIOBRARA	1/26/2005	SI	Gas	CASING REPA...	
NIOBRARA	2/8/2005	PR	Gas	CASING REPA...	
NIOBRARA	12/11/2007	SI	Gas	RE-FRAC, 12/1...	
NIOBRARA	4/20/2008	PR	Gas	RE-FRAC, 12/1...	
CODELL	3/20/1997	PR	Gas	DRILLING/CO...	
CODELL	1/26/2005	SI	Gas	CASING REPA...	
CODELL	2/8/2005	PR	Gas	CASING REPA...	
CODELL	4/20/2008	PR	Gas	RE-FRAC, 12/1...	

Casing Strings

Surface, 367.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Surface	1/8/1997	8 5/8	23.00		10.0	367.0

Production, 5,216.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	2/3/2005	3 1/2	7.70	M-75	10.0	5,216.0

Production, 6,864.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	1/11/1997	3 1/2	7.70	B-70	10.0	6,864.0

Cement

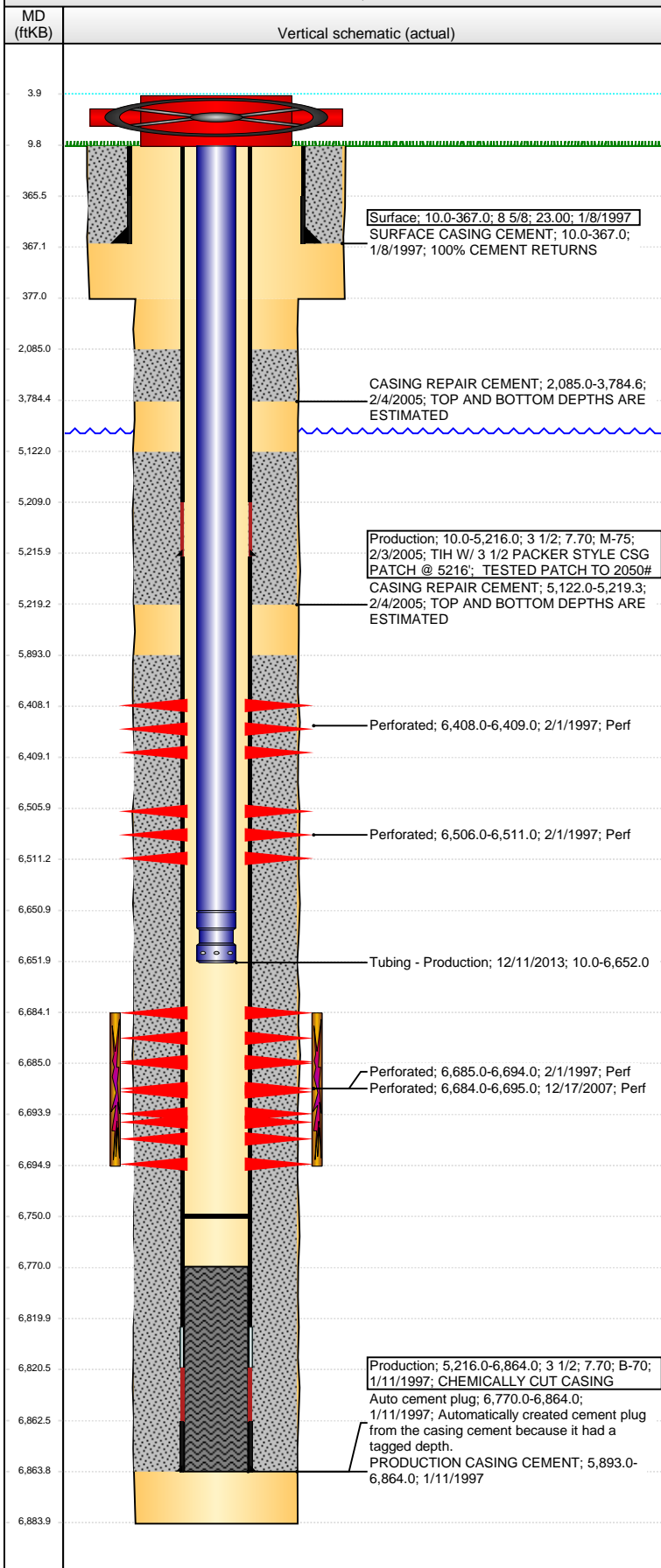
Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	10.0	367.0
PRODUCTION CASING CEMENT	5,893.0	6,864.0
CASING REPAIR CEMENT	2,085.0	3,784.6
CASING REPAIR CEMENT	5,122.0	5,219.3

Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing	2/8/2005	2 1/16		3.25	J55	6,664.00	
Tubing - Frac string	12/17/2007	2 3/8	1.995	4.60	N-80	6,581.66	
Tubing - Frac string	1/7/2008	2 3/8	1.995	4.60	N-80	6,605.13	
Tubing - Frac string	1/16/2008	2 3/8	1.995	4.60	N-80	5,998.08	

Well Name: THOMSON B12-13

VERTICAL - ORIGINAL HOLE, 11/7/2016 3:27:23 PM



Tubing Strings								
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...	
Tubing - Production	2/1/2008	2 1/16	1.751	3.25	J-55	6,664.64		
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...	
Tubing - Production	12/29/2009	2 1/16	1.751	3.25	J-55	6,661.31		
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...	
Tubing - Workstring	12/5/2013	2 1/16	1.751	3.25	N-80	6,592.94		
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...	
Tubing - Production	12/11/2013	1.9	1.610	2.75	J-55	6,642.00		

Tubing Components							
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
Tubing	1.9	2.75	J-55	203	6,640.80	6,650.8	
Notched Pump Seating Nipple	1.9			1	1.20	6,652.0	

Perforation Data					
Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE	A	2	6,408.00	6,409.00	2/1/1997
NIOBRARA, ORIGINAL HOLE	B	6	6,506.00	6,511.00	2/1/1997
CODELL, ORIGINAL HOLE		44	6,684.00	6,695.00	12/17/2007
CODELL, ORIGINAL HOLE		36	6,685.00	6,694.00	2/1/1997

Stimulations & Treatments			
Date	Zone	Primary Job Type	
3/6/1997	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL	
Technical Result		Tech Result Details	Tech Result Note

Comment FRAC ATTEMPT FAILED, CODELL FRAC ABORTED; WELLHEAD PARTED.			
Date	Zone	Primary Job Type	
3/15/1997	NIOBRARA-CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL	
Technical Result		Tech Result Details	Tech Result Note

Comment LIMITED ENTRY			
Date	Zone	Primary Job Type	
12/27/2007	CODELL, ORIGINAL HOLE	RE-FRAC	
Technical Result		Tech Result Details	Tech Result Note
Failure		Mechanical	

Comment (CODELL REFRAC): PUMPED 596 BBLS INTO PAD FOUND THAT BACKSIDE PRESSURE WAS INCORRECT BECAUSE OF ICE PLUG. PACKER FAILED DURING THE 8 MINUTES WE REMOVED ICE PLUG. CONTINUED TO BLEED OFF BACKSIDE TO AVOID DAMAGE TO CASING PATCH. MAX PRESSURE ON BACKSIDE WAS 3,500 PSI.			
Date	Zone	Primary Job Type	
1/18/2008	CODELL, ORIGINAL HOLE	RE-FRAC	
Technical Result		Tech Result Details	Tech Result Note
Failure		Mechanical	

Comment CODELL REFRAC: PUMPED 40 BBLS OF CLAYTREAT WATER. THE ANNULUS STARTED PRESSURING UP. SHUT DOWN AND SURGED PRESSURE OFF OF THE TUBING. PUMPED ANOTHER 20 BBLS, PRESSURE STILL COMING UP. PACKER NOT HOLDING. RIG DOWN.			
Date	Zone	Primary Job Type	
1/28/2008	CODELL, ORIGINAL HOLE	RE-FRAC	
Technical Result		Tech Result Details	Tech Result Note
Success		According to Plan	

Comment CODELL REFRAC. TREATMENT WENT WELL. THE PROP CON DROPPED 0.2 PPG ON BOTH DENSITOMETERS DURING THE RAMP FOR AN UNKNOWN REASON. AVG NOLTE +0.03.			
Date	Zone	Primary Job Type	
1/28/2008	CODELL, ORIGINAL HOLE	RE-FRAC	
Technical Result		Tech Result Details	Tech Result Note
Success		According to Plan	

Other In Hole				
Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)

Logs			
Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
1/11/1997	Caliper	4,000.0	6,865.0
1/11/1997	COMPENSATED DENSITY	4,000.0	6,865.0

Well Name: THOMSON B12-13

VERTICAL - ORIGINAL HOLE, 11/7/2016 3:27:26 PM

Logs

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
1/11/1997	Gamma Ray	4,000.0	6,865.0
1/11/1997	INDUCTION	367.0	6,882.0
1/15/1997	Cement Bond	5,750.0	6,770.0
11/27/2012	GYRO	10.0	6,600.0

