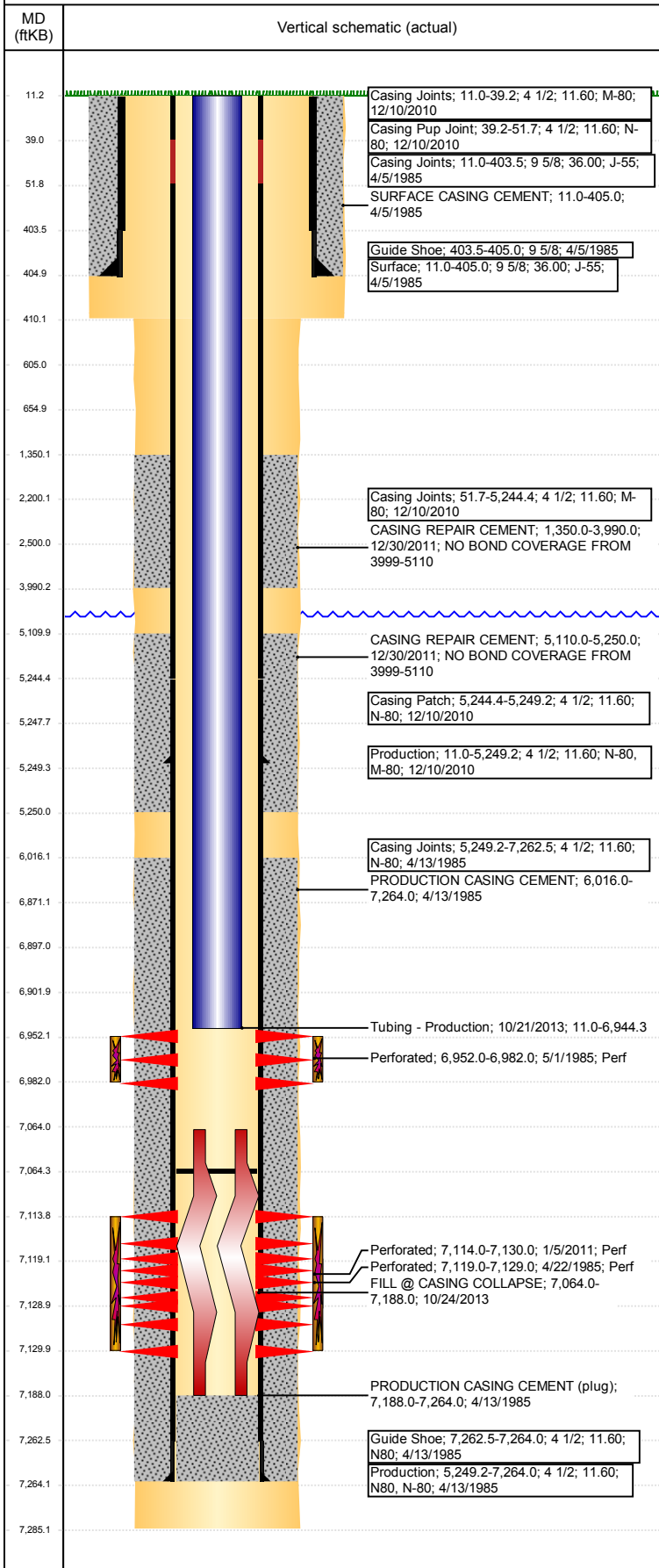


Well Name: G.W. DOERING 02-28

VERTICAL - ORIGINAL HOLE, 7/31/2017 11:56:51 AM



Well Header

API 05-123-12374	Business Unit DJ BASIN	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,724	KB - GL / MSL (ftKB) 11.00	Spud Date 4/5/1985	P & A Date

Comment

CASING REPAIR ON 12/09/10
CSG CUT @ 5,255

PROBABLE CASING COLLAPSE @ CODELL. TAG @ 7064'.

Directions To Well

Ost and 59th Ave, North 4/10, West to tank battery thru farmers yard. Then South into

Congressional Location

Quarter 3 NE	Quarter 4 SE	Section 28	Township 6	Twnshp N/S Dir N	Range 66	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
4/13/1985	7,188.0	CASED HOLE LOG	PBTD=DEPTH LOGGER ON CBL
5/13/1985	7,150.0	TAG	C/O W/ COIL TBG
12/28/2010	7,133.0	TAG	FILL
1/5/2011	7,159.0	TAG	CLEANED OUT TO AFTER CSG RPR
10/21/2013	7,064.3	TAG	25' OF RAT HOLE TAG W/ PROD. TBG. WILL C/O BEFORE LANDING.

Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	11	410
PRODUCTION	7 7/8	410	7,285

Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
CODELL	5/3/1985	PR		DRILLING/CO...	
CODELL	2/23/2011	PR		RE-FRAC, 11/2...	
NIOBRARA	5/3/1985	PR		DRILLING/CO...	

Casing Strings

Surface, 405.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Surface	4/5/1985	9 5/8	36.00	J-55	11.0	405.0

Production, 5,249.2ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	12/10/2010	4 1/2	11.60	M-80	11.0	5,249.2

Production, 7,264.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	4/13/1985	4 1/2	11.60	N-80	5,247.7	7,264.0

Cement

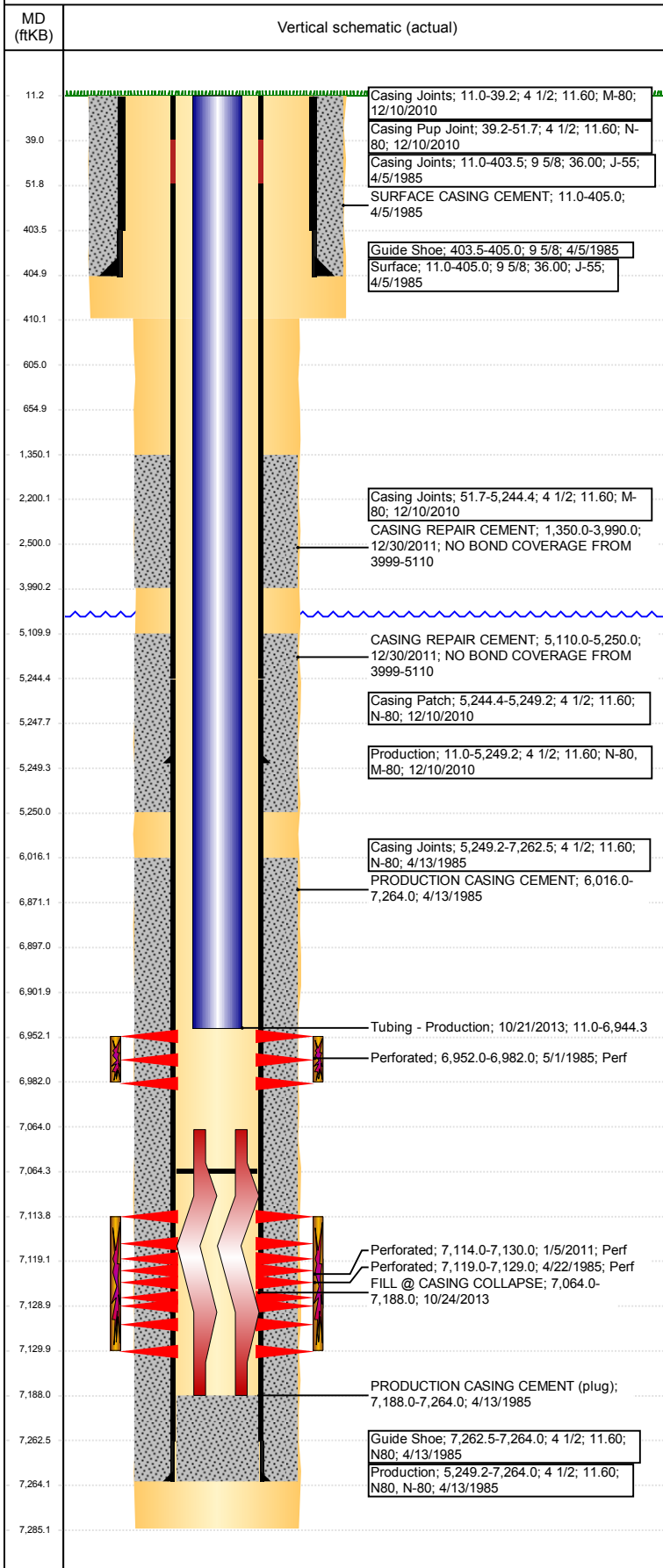
Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	11.0	405.0
PRODUCTION CASING CEMENT	6,016.0	7,264.0
CASING REPAIR CEMENT	1,350.0	3,990.0
CASING REPAIR CEMENT	5,110.0	5,250.0
Cement Plug	6,871.0	6,897.0
Balance Plug	2,200.0	2,500.0
Cement Plug	11.0	605.0
Cement Plug	605.0	655.0

Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	4/15/1985	2 3/8	2.00	4.70	J-55	13,74 7.22	
Tubing - Production	12/1/2010	2 3/8	2.00	4.70	J-55	58.00	
Tubing - Frac string	1/6/2011	2 7/8	2.44	6.50	N-80	7,055. 03	

Well Name: G.W. DOERING 02-28

VERTICAL - ORIGINAL HOLE, 7/31/2017 11:56:52 AM



Tubing Strings							
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	1/20/2011	2 3/8	2.00	4.70	J-55	7,090.30	
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	6/11/2013	2 3/8	2.00	4.70	J-55	6,854.22	
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	10/21/2013	2 3/8	2.00	4.70	J-55	6,933.29	

Other In Hole				
Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)
10/24/2013	Cast Iron Bridge Plug	3.99	6,897.0	6,902.0
	FILL @ CASING COLLAPSE	3.99	7,064.0	7,188.0

Logs			
Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
4/11/1985	CEMENT BOND	5,916.0	7,182.0
4/11/1985	COMPENSATED DENSITY	4,296.0	7,282.0
4/11/1985	INDUCTION	405.0	7,279.0
1/4/2011	CBL/CCL/GR	1,090.0	5,404.0
6/8/2017	GYRO	0.0	6,850.0

Perforation Data					
Linked Zone	Bnch/St g	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE	B	96	6,952.00	6,982.00	5/1/1985
CODELL, ORIGINAL HOLE		64	7,114.00	7,130.00	1/5/2011
CODELL, ORIGINAL HOLE		40	7,119.00	7,129.00	4/22/1985
Total (Sum)		200			

Stimulation Intervals		
Start Date	Primary Job Type	
5/1/1985	DRILLING/COMPLETION - ORIGINAL	
Technical Result	Tech Result Details	Tech Result Note
Comment		
Start Date	Primary Job Type	
1/18/2011	RE-FRAC	
Technical Result	Tech Result Details	Tech Result Note
Success	According to Plan	

Comment (CODELL):MADE GEL CHANGE FROM 24# VISTAR TO 25# VISTAR AT 1811 CLEAN BBLS. RAN THE 3 PSA STAGE AS A 2-4 PSA RAMP STAGE. MADE GEL CHANGE FROM 25# VISTAR TO 26# VISTAR AT 2691 CLEAN BBLS. TREATMENT WENT WELL. STARTED 2 HRS LATE. AVGV VISC 23.7 CPS, AVG TEMP 66.9F, AVG PH 10.22, AVG PRESS 4177 PSI, AVG RATE 14.8 BPM. POST JOB 5 MIN OF 2569 PSI.

Start Date	Primary Job Type	
5/1/1985	DRILLING/COMPLETION - ORIGINAL	
Technical Result	Tech Result Details	Tech Result Note
Comment		