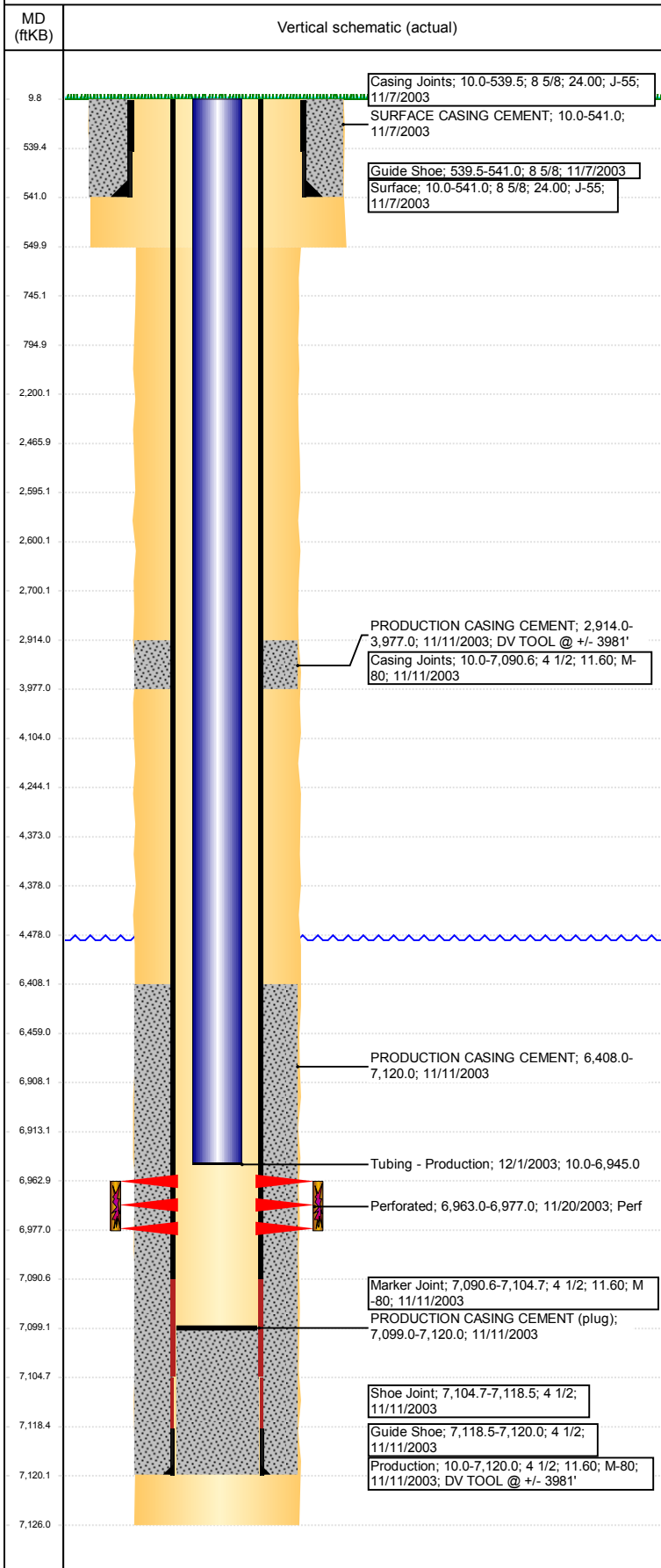


Well Name: HOWARD E26-17

VERTICAL - ORIGINAL HOLE, 11/9/2017 4:49:35 PM



Well Header

API 05-123-21750	Business Unit DJ BASIN	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,704	KB - GL / MSL (ftKB) 10.00	Spud Date 11/7/2003	P & A Date

Comment

DV TOOL @ +/- 3981'

Directions To Well

RD 47 & RD 64 1/2, 1/8 W, N INTO

Congressional Location

Quarter 3 NW	Quarter 4 NE	Section 26	Township 6	Twnshp N/S Dir N	Range 65	Range E/W Dir W
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Bottom Hole Location

North-South Distance (ft) 1,190.0	From N or S Line FNL	East-West Distance (ft) 1,339.0	From E or W Line FEL
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Plug Back Total Depths

Date	Depth (ftKB)	Method	Com
11/11/2003	7,105.0	CASING TALLY	PBTD FROM CASING TALLY
11/20/2003	7,099.0	CASED HOLE LOG	DEPTH LOGGER ON CBL

Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	10	550
PRODUCTION	7 7/8	550	7,126

Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
CODELL	12/5/2003	PR	Oil	DRILLING/CO...	
CODELL	6/3/2009	PR	Water		Flowing
CODELL	6/9/2015	PR			

Casing Strings

Surface, 541.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Surface	11/7/2003	8 5/8	24.00	J-55	10.0	541.0

Production, 7,120.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	11/11/2003	4 1/2	11.60	M-80	10.0	7,120.0

Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	10.0	541.0
PRODUCTION CASING CEMENT	2,914.0	3,977.0
PRODUCTION CASING CEMENT	6,408.0	7,120.0
Cement Plug	6,459.0	6,908.0
Cement Squeeze	4,104.0	4,478.0
Balance Plug	4,378.0	4,478.0
Cement Plug	4,244.0	4,373.0
Cement Squeeze	2,200.0	2,700.0
Balance Plug	2,600.0	2,700.0
Cement Plug	2,466.0	2,595.0
Shoe Plug	745.0	795.0
Shoe Plug	10.0	745.0

Tubing Strings

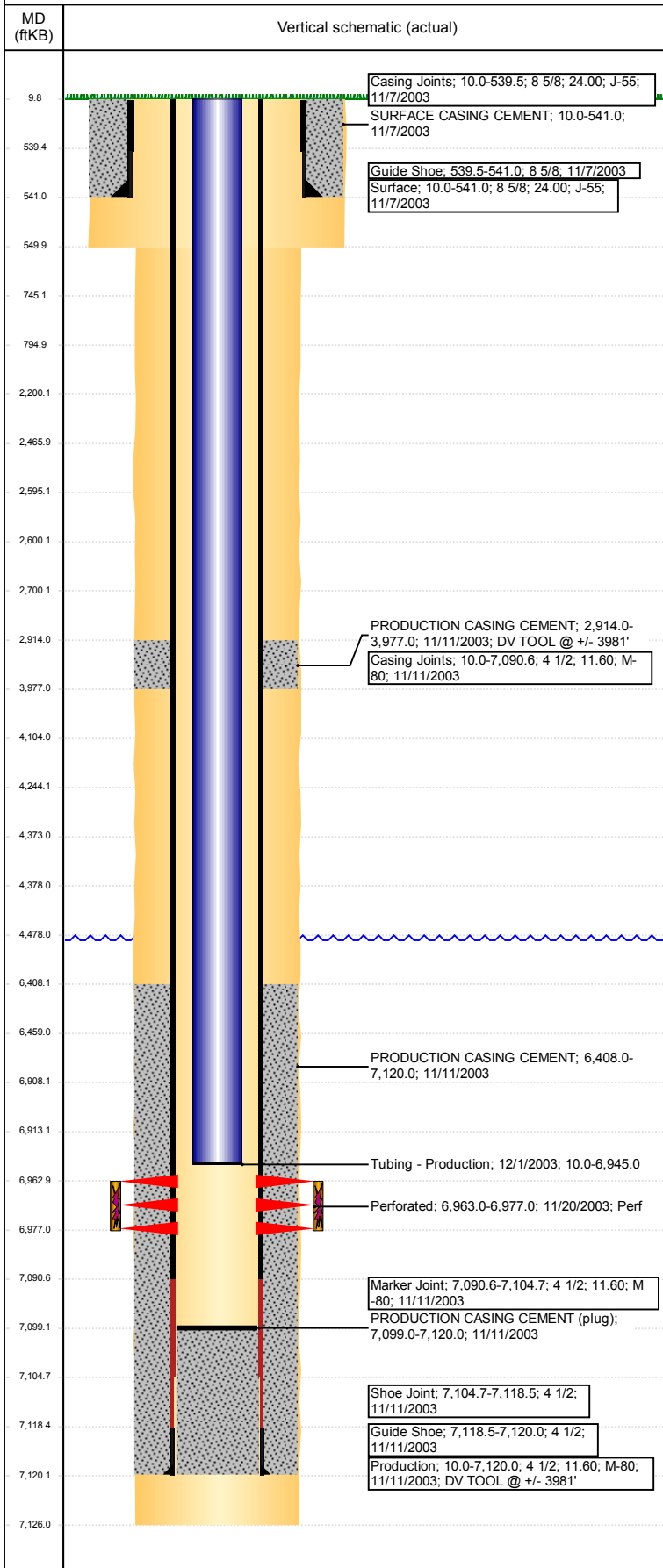
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	12/1/2003	2 3/8	2.00	4.70	J-55	6,935.00	

Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
Tubing	2 3/8	4.70	J-55	214	6,933.40	6,943.4	
Seal Nipple	2 3/8			1	1.20	6,944.6	
Notched collar	2 3/8			1	0.40	6,945.0	

Well Name: HOWARD E26-17

VERTICAL - ORIGINAL HOLE, 11/9/2017 4:49:35 PM



Other In Hole

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)
11/9/2017	Cement Retainer	3.99	4,373.0	4,378.0
	Cement Retainer	3.99	2,595.0	2,600.0
	Cast Iron Bridge Plug	3.99	6,908.0	6,913.0

Logs

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
11/10/2003	COMPENSATED DENSITY	3,550.0	7,106.0
11/10/2003	INDUCTION	541.0	7,126.0
11/20/2003	CBL/CCL/GR	4,130.0	7,097.0
10/1/2015	GYRO	10.0	6,850.0

Perforation Data

Linked Zone	Bnch/St g	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
		0	2,700.00	2,700.00	11/9/2017
		0	4,104.00	4,104.00	11/9/2017
		0	4,478.00	4,478.00	11/9/2017
CODELL, ORIGINAL HOLE		56	6,963.00	6,977.00	11/20/2003
Total (Sum)		56			

Stimulation Intervals

Start Date 12/4/2003	Primary Job Type DRILLING/COMPLETION - ORIGINAL	
Technical Result	Tech Result Details	Tech Result Note
Comment		