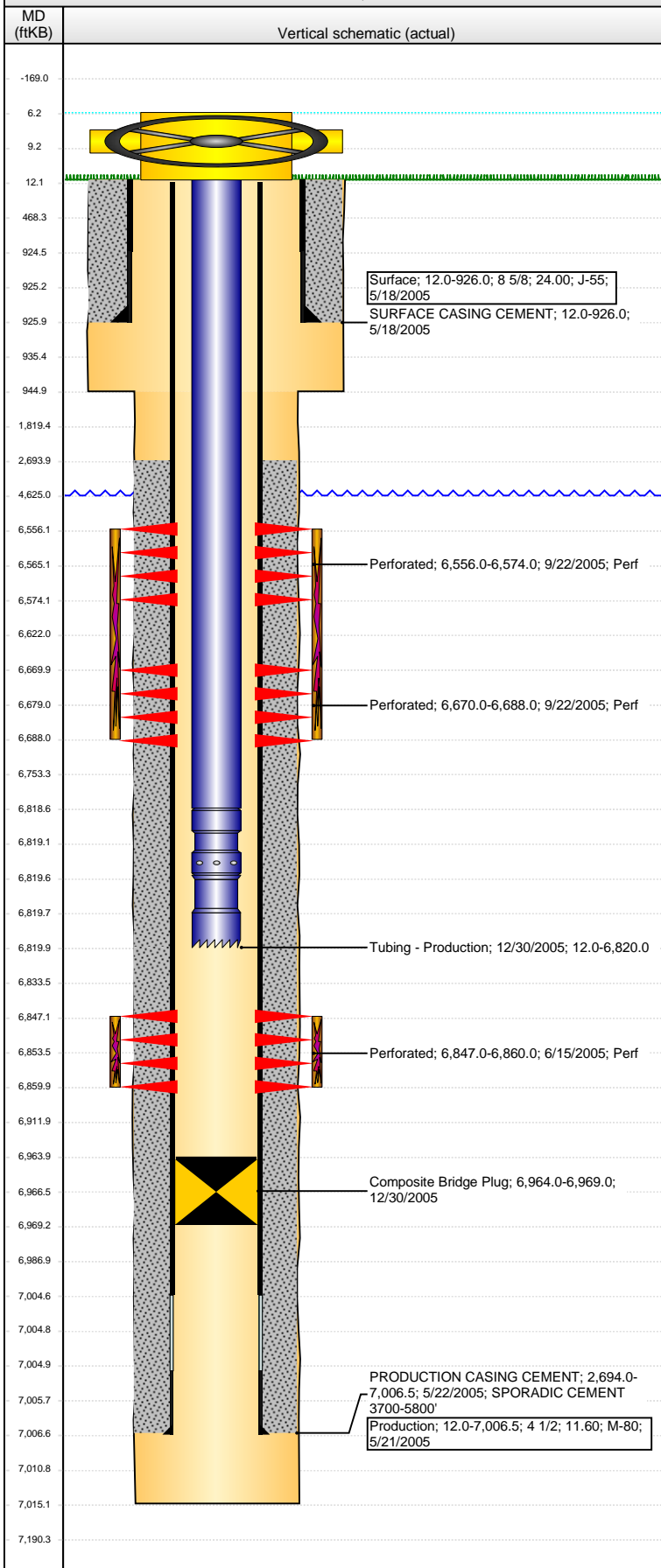


Wellbore Schematic Input Report

Well Name: HOWARD A27-16

VERTICAL - ORIGINAL HOLE, 11/1/2016 2:13:53 PM



Well Header						
API 05-123-22856		Business Unit DJ BASIN		District 15		Well Config VERTICAL
Original KB Elevation (ft) 4,682		KB - GL / MSL (ftKB) 12.00		Spud Date 5/16/2005		P & A Date
Comment DISCREPANCY IN RR DATE, DRIL RPT 3/4/2005 (TYPO), USED CSG TALLY DATE						
Directions To Well CO 37 & RD 66, E3/4, S INTO						
Congressional Location						
Quarter 3 SE	Quarter 4 SE	Section 27	Township 6	Twntshp N/S Dir N	Range 64	Range E/W Dir W
Bottom Hole Location						
North-South Distance (ft) 540.0		From N or S Line FSL		East-West Distance (ft) 560.0		From E or W Line FEL
Plug Back Total Depths						
Date	Depth (ftKB)	Method			Com	
5/21/2005	6,962.0	CASING TALLY			FLOAT SHOE WITH BAFFLE	
6/14/2005	6,930.0	CASED HOLE LOG			DEPTH LOGGER ON CBL	
12/30/2005	6,964.0	TAG			DRILLED PLUG FREE AND PUSHED TO BOTTOM	
Wellbore Sections						
Section Des		Size (in)		Act Top, MD (ftKB)		Act Btm, MD (ftKB)
SURFACE		12 1/4		12		945
PRODUCTION		7 7/8		945		7,015
Zone Statuses						
Zone Name	Status Date	Status	Fluid Type	Job	Prod Method	
NIOBRARA	10/20/2005	PR	Water	RECOMPLETI...	Flowing	
NIOBRARA	12/31/2005	PR		RECOMPLETI...		
NIOBRARA	10/22/2009	PR				
NIOBRARA	12/7/2015	PR				
CODELL	6/25/2005	PR		DRILLING/CO...		
CODELL	9/21/2005	SI	Water	RECOMPLETI...	Flowing	
CODELL	12/31/2005	PR		RECOMPLETI...		
CODELL	10/22/2009	PR				
Casing Strings						
Surface, 926.0ftKB						
Casing Description Surface	Run Date 5/18/2005	OD (in) 8 5/8	Wt/Len (l... 24.00	Grade J-55	Top, MD (ft... 12.0	MD (ftKB) 926.0
Production, 7,006.5ftKB						
Casing Description Production	Run Date 5/21/2005	OD (in) 4 1/2	Wt/Len (l... 11.60	Grade M-80	Top, MD (ft... 12.0	MD (ftKB) 7,006.5
Cement						
Description SURFACE CASING CEMENT				Top Depth (ftKB) 12.0		Bottom Depth (ftKB) 926.0
Description PRODUCTION CASING CEMENT				Top Depth (ftKB) 2,694.0		Bottom Depth (ftKB) 7,006.5
Tubing Strings						
Tubing Description Tubing - Production	Run Date 12/30/2005	String... 2 3/8	ID (in) 1.995	Wt (lb/ft) 4.70	Grade J-55	Len (ft) 6,808.00
Set De...						
Tubing Components						
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)
EUE 8rd Tubing	2 3/8	4.70	J-55	206	6,806.50	6,818.5
Seal Nipple	2 3/8				1.00	6,819.5
Notched collar	2 3/8				0.50	6,820.0
Perforation Data						
Zone	Bnch/St g	Entered Shot Total	Top (ftKB)		Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE		108	6,556.00		6,574.00	9/22/2005
NIOBRARA, ORIGINAL HOLE		108	6,670.00		6,688.00	9/22/2005
CODELL, ORIGINAL HOLE		52	6,847.00		6,860.00	6/15/2005

Well Name: HOWARD A27-16

VERTICAL - ORIGINAL HOLE, 11/1/2016 2:13:55 PM

Stimulations & Treatments

Date	Zone	Primary Job Type
6/23/2005	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL

Technical Result	Tech Result Details	Tech Result Note

Comment

Date	Zone	Primary Job Type
10/19/2005	NIOBRARA, ORIGINAL HOLE	RECOMPLETION

Technical Result	Tech Result Details	Tech Result Note

Comment

Other In Hole

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)
12/30/2005	Composite Bridge Plug	4	6,964.0	6,969.0

Logs

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
5/21/2005	COMPENSATED DENSITY	3,550.0	6,990.0
5/21/2005	INDUCTION	926.0	7,010.0
6/14/2005	CBL/CCL/GR	2,500.0	6,927.0
2/17/2016	GYRO	0.0	6,750.0

