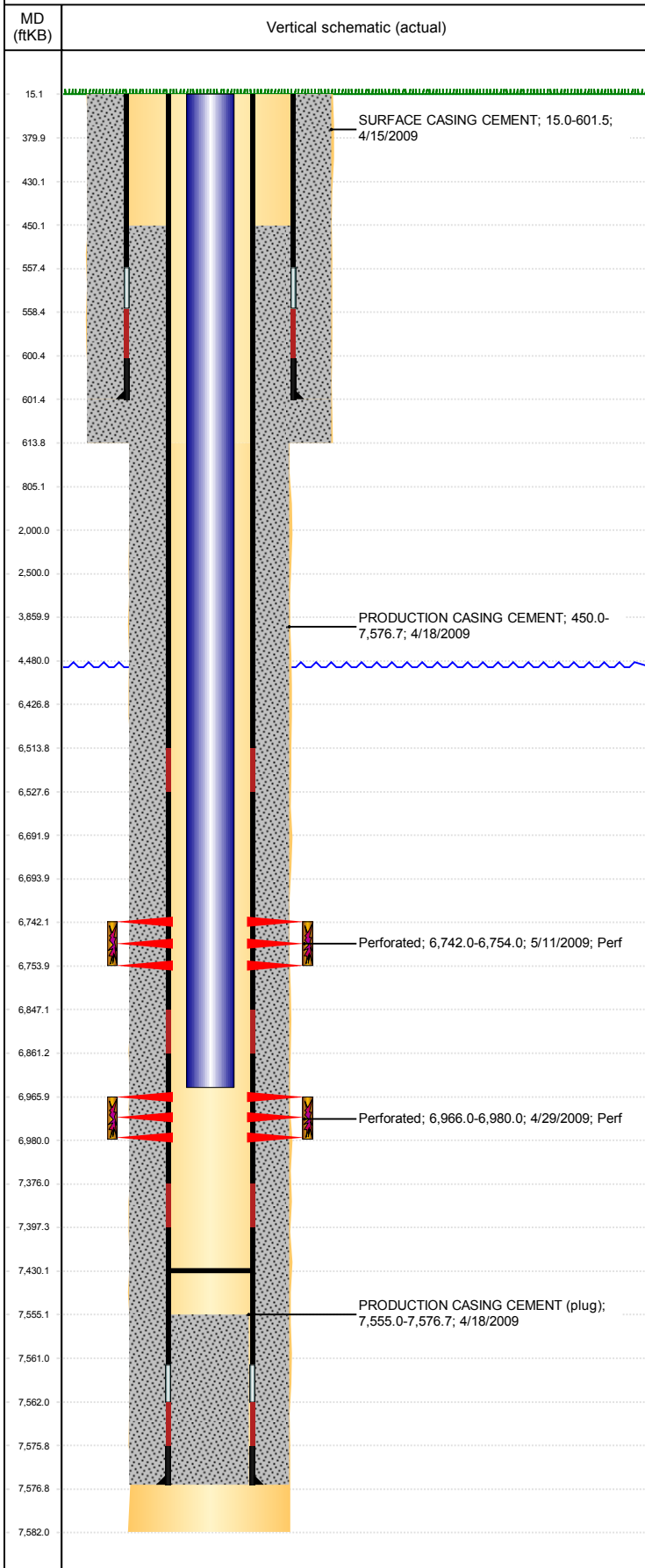


**Well Name: GUTTERSEN STATE D16-31**

VERTICAL - ORIGINAL HOLE, 10/29/2018 2:39:06 PM



Well Header									
API 05-123-29275		Business Unit DJ BASIN			District 15		Well Config VERTICAL		
KB - GL / MSL (ft... 15.00		Spud Date 4/15/2009		P & A Date		Well Production Status PR			SoRT No
Comment									
Surface Location (Congressional)									
Qtr 3 NW	Qtr 4 NW	Section 16	Twnshp 3	Twنش... N	Range 64	Rng E/... W	Actual Latitude (°) 40.22905611		Actual Longitude (°) -104.56489780
Wellbore Sections									
Section Des			Size (in)			Act Top, MD (ftKB)		Act Btm, MD (ftKB)	
SURFACE			12 1/4			15		614	
PRODUCTION			7 7/8			614		7,582	
Casing Strings									
Csg Des			Run Date	OD (in)	Wt/Len (lb/ft)	Grade	Top, MD (ftKB)	MD (ftKB)	
Surface			4/15/2009	8 5/8	24.00	J-55	15.0	601.5	
Production			4/18/2009	4 1/2	11.60	L-80	15.1	7,576.7	
Cement									
Des				Start Date		Top (ftKB)		Btm (ftKB)	
SURFACE CASING CEMENT				4/15/2009		15.0		601.5	
PRODUCTION CASING CEMENT				4/18/2009		450.0		7,576.7	
Zone Statuses									
Zone Name	Status Date	Status	Fluid Type	Job				Prod Method	
NIOBRARA	2/9/2017	SI	Water	DRILLING/COMPLETION - ORIGINAL, 4/15/2009...				Flowing	
NIOBRARA	2/27/2017	PR							
CODELL	5/19/2009	PR							
CODELL	2/16/2010	PR							
Perforation Data									
Linked Zone			Bnch/Stg	Entered Shot Total	Top (ftKB)		Btm (ftKB)		Date
NIOBRARA, ORIGINAL HOLE			B	24	6,742.00		6,754.00		5/11/2009
CODELL, ORIGINAL HOLE			01	56	6,966.00		6,980.00		4/29/2009
Stimulation Intervals									
Zone				Start Date		Top (ftKB)		Btm (ftKB)	
NIOBRARA, ORIGINAL HOLE				5/11/2009		6,742.0		6,754.0	
CODELL, ORIGINAL HOLE				5/11/2009		6,966.0		6,980.0	
Other In Hole									
Run Date		Des				OD (in)	Top (ftKB)	Btm (ftKB)	
Logs									
Date		Type				Top, MD (ftKB)		Btm, MD (ftKB)	
4/18/2009		Caliper/Comp. Density/Neutron/GR/SP/ML				2,650.0		7,582.0	
4/18/2009		DIL/GR/SP/Caliper				601.0		7,582.0	
4/29/2009		CBL/CCL/GR				0.0		7,554.0	
Plug Back Total Depths									
Date		Type		Com				Depth (ftKB)	
4/29/2009		FILL		DEPTH LOGGER				7,555.0	
8/21/2009		PLUG REMNANTS		450' OF RAT HOLE BELOW THE CODELL				7,430.0	