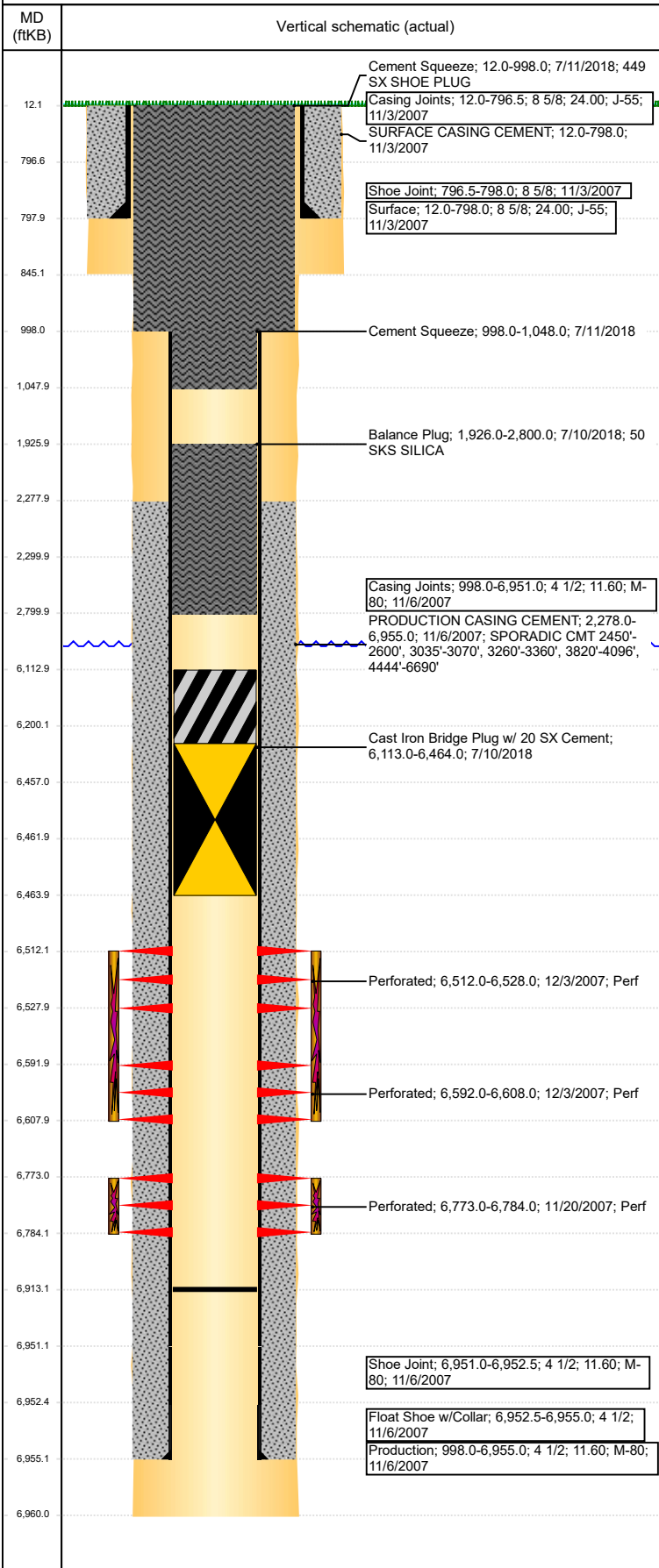


**Well Name: WELLS RANCH USX AA19-16**

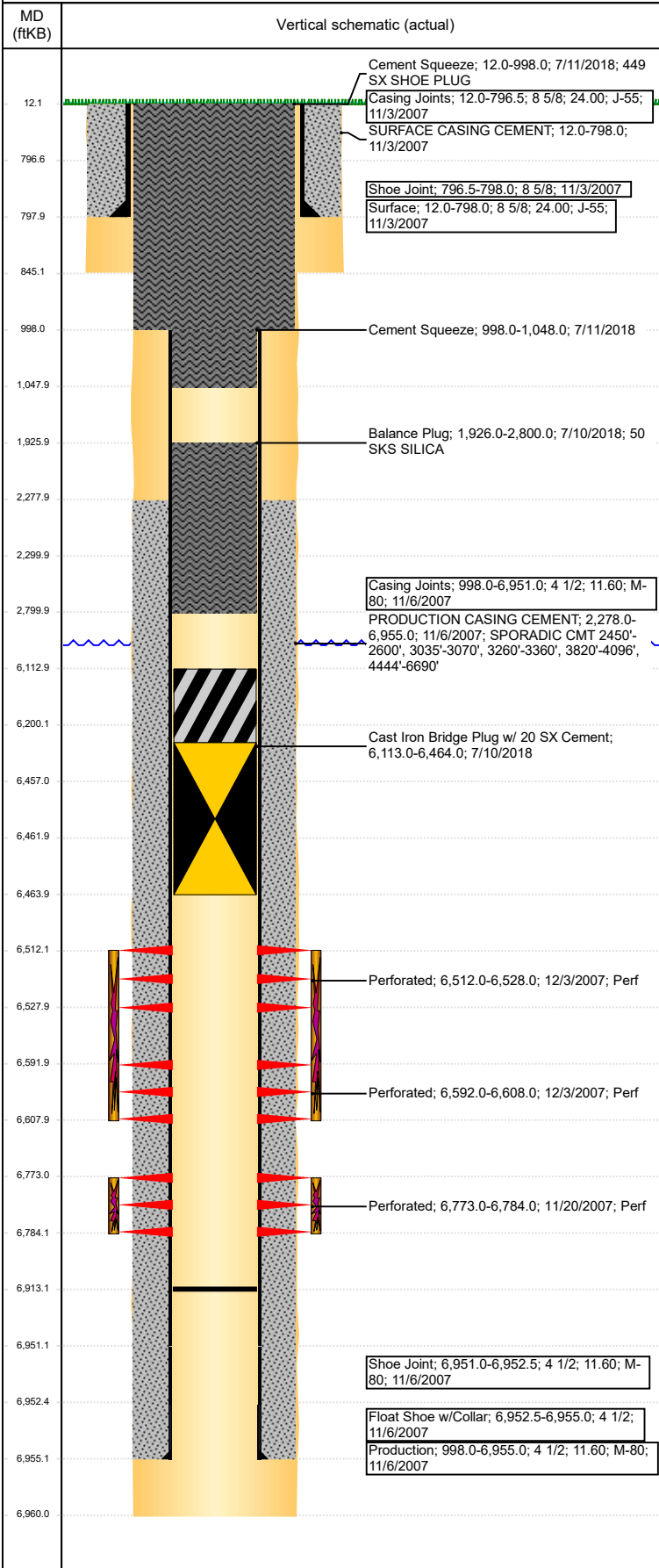
VERTICAL - ORIGINAL HOLE, 8/22/2018 10:59:54 AM



Well Header							
API	05-123-26435	Business Unit	DJ BASIN	District	15	Well Config	VERTICAL
Original KB Elevation (ft)	4,666	KB - GL / MSL (ftKB)	12.00	Spud Date	11/2/2007	P & A Date	7/11/2018
Comment							
DISCREPANCY W/TD REPORTING: PATTERSON DAILY DRLG @6932'/NOBLE DAILY DRLG @6960'							
Directions To Well							
WCR 61.5 & 66, EAST 0.3, NORTH 0.1 INTO							
Congressional Location							
Quarter 3	Quarter 4	Section	Township	TwNS Dir	Range	Range E/W Dir	
SE	SE	19	6	N	63	W	
Bottom Hole Location							
North-South Distance (ft)		From N or S Line		East-West Distance (ft)		From E or W Line	
Plug Back Total Depths							
Date	Depth (ftKB)	Method		Com			
11/6/2007	6,936.8	CASING TALLY		FLOAT SHOE W/COLLAR			
11/19/2007	6,923.0	CASED HOLE LOG		DEPTH LOGGER ON CBL			
2/26/2008	6,913.0	TAG		C/O TO 6913'			
Wellbore Sections							
Section Des		Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)			
SURFACE		12 1/4	12	845			
PRODUCTION		7 7/8	845	6,960			
Zone Statuses							
Zone Name	Status Date	Status	Fluid Type	Job	Prod Method		
CODELL	12/5/2007	PR		DRILLING/CO...			
CODELL	7/10/2018	P&A		PLUG AND AB...			
NIOBRARA	12/5/2007	PR		DRILLING/CO...			
NIOBRARA	7/10/2018	P&A		PLUG AND AB...			
Casing Strings							
Surface, 798.0ftKB							
Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)	
Surface	11/3/2007	8 5/8	24.00	J-55	12.0	798.0	
Production, 6,955.0ftKB							
Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)	
Production	11/6/2007	4 1/2	11.60	M-80	12.0	6,955.0	
Cement							
Description					Top Depth (ftKB)	Bottom Depth (ftKB)	
SURFACE CASING CEMENT					12.0	798.0	
Description					Top Depth (ftKB)	Bottom Depth (ftKB)	
PRODUCTION CASING CEMENT					2,278.0	6,955.0	
Description					Top Depth (ftKB)	Bottom Depth (ftKB)	
Dump Bail					6,200.0	6,457.0	
Description					Top Depth (ftKB)	Bottom Depth (ftKB)	
Balanced Plug					2,300.0	2,800.0	
Description					Top Depth (ftKB)	Bottom Depth (ftKB)	
Cement Squeeze					12.0	998.0	
Description					Top Depth (ftKB)	Bottom Depth (ftKB)	
Cement Squeeze					998.0	1,048.0	
Description					Top Depth (ftKB)	Bottom Depth (ftKB)	
Balance Plug					1,926.0	2,800.0	
Description					Top Depth (ftKB)	Bottom Depth (ftKB)	
Cement Squeeze					12.0	998.0	
Description					Top Depth (ftKB)	Bottom Depth (ftKB)	
Cement Squeeze					998.0	1,048.0	
Tubing Strings							
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing	2/27/2008	2 3/8		4.70	J-55	6,749.00	
Tubing Components							
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
EUE 8rd Tubing	2 3/8	4.70	J-55	217	6,747.60	6,759.6	
Notched collar	2 3/8				1.40	6,761.0	
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	11/7/2016	2 3/8	2.00	4.70	J-55	6,401.21	

**Well Name: WELLS RANCH USX AA19-16**

VERTICAL - ORIGINAL HOLE, 8/22/2018 10:59:55 AM



Tubing Components							
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
Tubing Pup Joint	2 3/8	4.70	J-55	1	8.00	20.0	
EUE 8rd Tubing	2 3/8	4.70	J-55	205	6,381.34	6,401.3	
XN Profile Nipple	2 3/8			1	1.22	6,402.6	
Tubing Pup Joint	2 3/8	4.70	J-55	1	4.00	6,406.6	
RMOR HD PACKER.	3.99			1	6.65	6,413.2	

Other In Hole				
Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)
12/19/2017	Cast Iron Bridge Plug	3.99	6,457.0	6,462.0
7/10/2018	Cast Iron Bridge Plug w/ 20 SX Cement	3.99	6,113.0	6,464.0

Logs			
Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
11/6/2007	COMPENSATED DENSITY	2,600.0	6,940.0
11/6/2007	INDUCTION	12.0	6,960.0
11/19/2007	CBL/CCL/GR	2,150.0	6,916.0
10/2/2015	GYRO	10.0	6,650.0

Perforation Data					
Linked Zone	Bnch/St g	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE	A	64	6,512.00	6,528.00	12/3/2007
NIOBRARA, ORIGINAL HOLE	B	64	6,592.00	6,608.00	12/3/2007
CODELL, ORIGINAL HOLE		44	6,773.00	6,784.00	11/20/2007
<b>Total (Sum)</b>		<b>172</b>			

Stimulation Intervals		
Start Date	Primary Job Type	
12/3/2007	DRILLING/COMPLETION - ORIGINAL	
Technical Result	Tech Result Details	Tech Result Note
Comment		
Start Date	Primary Job Type	
12/3/2007	DRILLING/COMPLETION - ORIGINAL	
Technical Result	Tech Result Details	Tech Result Note
Comment		