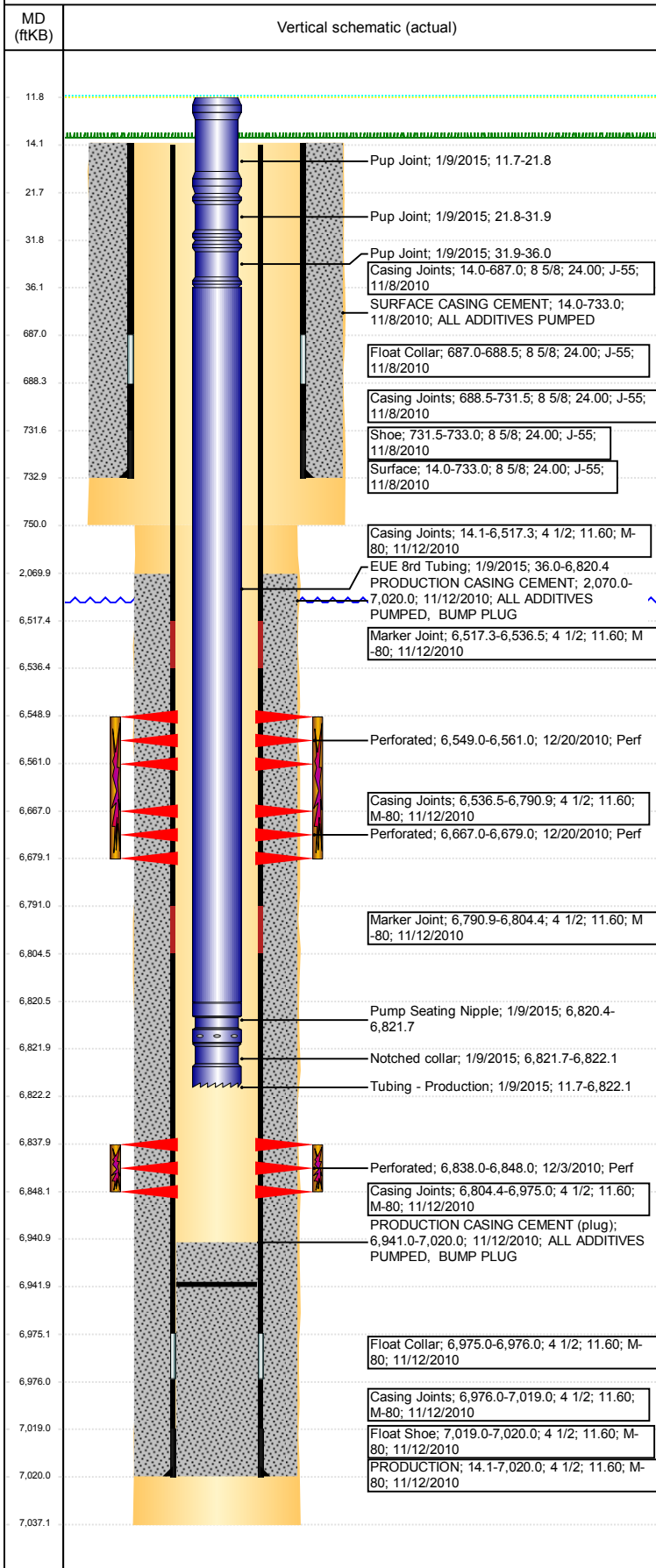


Well Name: FOSS USX AA05-03

VERTICAL - ORIGINAL HOLE, 5/16/2017 2:28:09 PM



Well Header			
API 05-123-31842	Business Unit DJ BASIN	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,725	KB - GL / MSL (ftKB) 14.00	Spud Date 11/7/2010	P & A Date
Comment			

Directions To Well
WCR 61 & WCR 74, GO EAST 1.3 MILES, SOUTH 1/10TH OF A MILE, THEN
SOUTHWEST INTO LOCATION

Congressional Location					
Quarter 3 NE	Quarter 4 NW	Section 5	Township 6	Twntshp N/S Dir N	Range 63
Range E/W Dir 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
11/12/2010	6,975.0	CASING TALLY	
1/5/2011	6,969.0	TUBING TALLY	DRILL CFTP W/ CUTRITE BIT AND N2, CHASE PL...
6/16/2014	6,941.9	TAG	TAG W/ 225 JTS & 2 10.00' SUBS

Wellbore Sections			
Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	14	750
PRODUCTION	7 7/8	750	7,037

Zone Statuses					
Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
NIOBRARA	12/22/2010	PR		DRILLING/CO...	
CODELL	12/22/2010	PR		DRILLING/CO...	

Casing Strings						
Surface, 733.0ftKB						
Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Surface	11/8/2010	8 5/8	24.00	J-55	14.0	733.0

PRODUCTION, 7,020.0ftKB						
Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
PRODUCTION	11/12/2010	4 1/2	11.60	M-80	14.1	7,020.0

Cement			
Description	Top Depth (ftKB)	Bottom Depth (ftKB)	
SURFACE CASING CEMENT	14.0	733.0	
PRODUCTION CASING CEMENT	2,070.0	7,020.0	

Tubing Strings							
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	1/5/2011	2 3/8	2.00	4.70	J-55	6,806.40	6,816.3
Tubing - Production	6/17/2014	2 3/8	2.00	4.70	J-55	6,457.57	6,469.5
Tubing - Production	1/9/2015	2 3/8	2.00	4.70	J-55	6,810.47	6,820.0

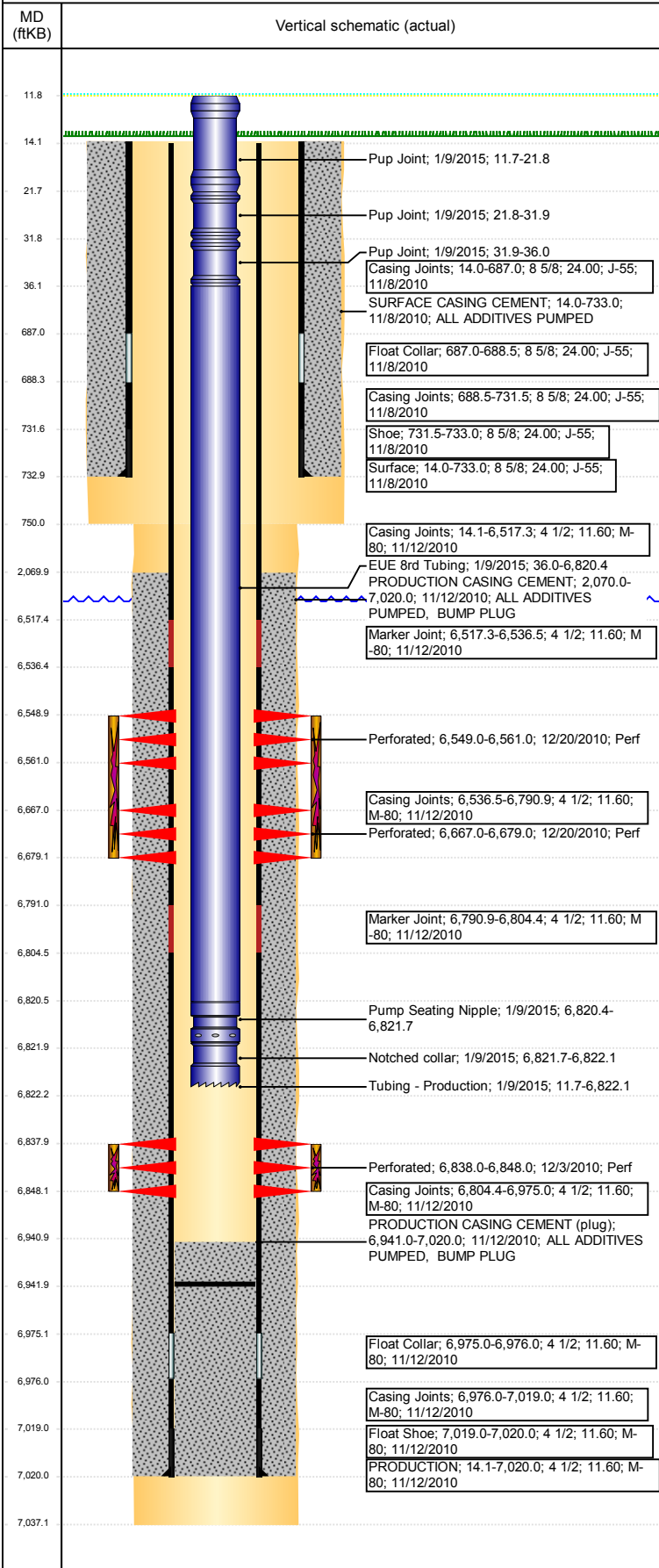
Tubing Components							
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
Pup Joint	2 3/8	4.70	J-55	1	10.10	21.8	
Pup Joint	2 3/8	4.70	J-55	1	10.10	31.9	
Pup Joint	2 3/8	4.70	J-55	1	4.15	36.0	
EUE 8rd Tubing	2 3/8	4.70	J-55	221	6,784.42	6,820.4	
Pump Seating Nipple	2 3/8	1.10	J-55	1	1.30	6,821.7	6,819.6
Notched collar	2 3/8	1.10	J-55	1	0.40	6,822.1	6,820.0

Other In Hole				
Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)

Logs			
Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
11/11/2010	DIL/GR/SP/Caliper	733.0	7,031.0
11/11/2010	Caliper/Comp. Density/Neutron/GR/SP/ML	2,750.0	7,031.0
11/22/2010	CBL/CCL/GR	1,930.0	6,934.0

Well Name: FOSS USX AA05-03

VERTICAL - ORIGINAL HOLE, 5/16/2017 2:28:10 PM



Logs			
Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
10/25/2013	GYRO	10.0	6,750.0

Perforation Data					
Linked Zone	Bnch/St g	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE	A	24	6,549.00	6,561.00	12/20/2010
NIOBRARA, ORIGINAL HOLE	B	24	6,667.00	6,679.00	12/20/2010
CODELL, ORIGINAL HOLE		40	6,838.00	6,848.00	12/3/2010
Total (Sum)		88			

Stimulation Intervals		
Start Date	Primary Job Type	
12/20/2010	DRILLING/COMPLETION - ORIGINAL	
Technical Result	Tech Result Details	Tech Result Note
Success	According to Plan	

Comment (CODELL): REVERSE STEP RATE RESULTS: PO - 22. NWB FRIC - 310 PSI. PERF FRIC - 73 PSI. ISIP - 2920 PSI. INC RATE TO 22 BPM DUE TO HIGH LO. PUMPED 28 GALS OF EXTRA XLW-14. CREW IDENTIFIED PROBLEM IN THE MIDDLE OF THE 3 PSA STAGE AND CORRECTED THE ISSUE. OTHERWISE TREATMENT WENT WELL. POST ISIP - 3115 PSI. NOLTE NEGATIVE. AVG VISC - 21.5 CP. AVG TEMP - 69.82F. AVG PH - 10.24.

Start Date	Primary Job Type	
12/20/2010	DRILLING/COMPLETION - ORIGINAL	
Technical Result	Tech Result Details	Tech Result Note
Success	According to Plan	

Comment (NIOBRARA): ISIP - 3080 PSI. TREATMENT WENT WELL. POST ISIP - 3233 PSI. NOLTE FLAT. AVG VISC - 17.7 CP. AVG TEMP - 68.81F. AVG PH - 10.40.