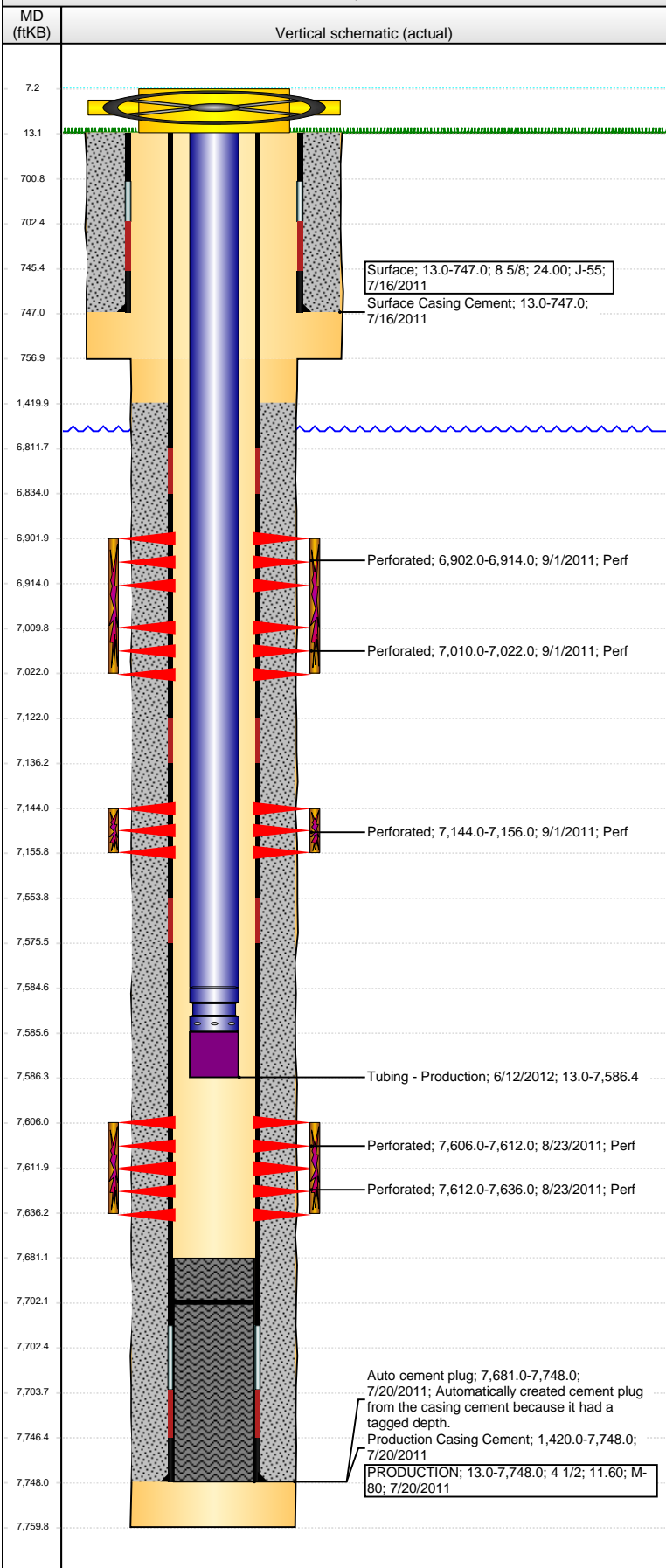


**Well Name: CANNON H35-21**

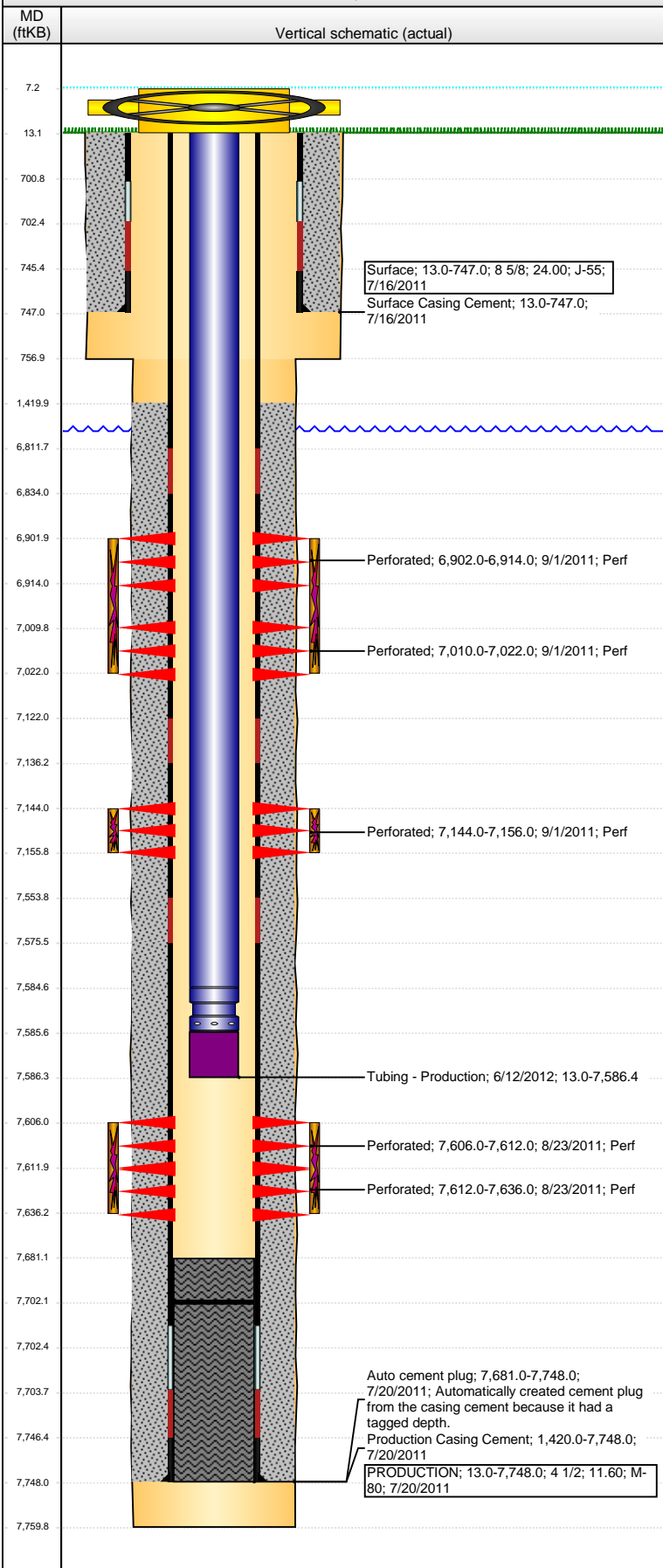
VERTICAL - ORIGINAL HOLE, 11/16/2016 1:24:21 PM



Well Header					
API	Business Unit	District	Well Config		
05-123-31878	DJ BASIN	15	VERTICAL		
Original KB Elevation (ft)	KB - GL / MSL (ftKB)	Spud Date	P & A Date		
4,863	13.00	7/15/2011			
Comment					
OPEN HOLE LOG SURVEYS FAILED 1/2 PUMP OFF BIT SUB & 3 7/8' CONE BIT @ 7702' KB					
Directions To Well					
CR 43 & CR 26, GO EAST 1.4 MILE, NORTH 0.4 MI, THEN EAST 600' INTO LOCATION					
Congressional Location					
Quarter 3	Quarter 4	Section	Township	TwNS Dir	Range
NW	SE	35	3	N	65
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		
7/20/2011	7,702.0	CASING TALLY	FLOAT COLLAR		
7/29/2011	7,681.0	CASED HOLE LOG	DEPTH LOGGER		
6/12/2012	7,702.0	TBG TALLY	C/O W/P-S & N2 248JTS 7.58' OUT		
Wellbore Sections					
Section Des		Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)	
SURFACE		12 1/4	13	757	
PRODUCTION		7 7/8	757	7,760	
Zone Statuses					
Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
CODELL	10/13/2011	PR		COMPLETION...	
NIOBRARA	10/13/2011	PR		COMPLETION...	
J SAND	10/13/2011	PR		COMPLETION...	
Casing Strings					
Surface, 747.0ftKB					
Casing Description	Run Date	OD (in)	Wt/Len (lb/ft)	Grade	Top, MD (ftKB) / MD (ftKB)
Surface	7/16/2011	8 5/8	24.00	J-55	13.0 / 747.0
PRODUCTION, 7,748.0ftKB					
Casing Description	Run Date	OD (in)	Wt/Len (lb/ft)	Grade	Top, MD (ftKB) / MD (ftKB)
PRODUCTION	7/20/2011	4 1/2	11.60	M-80	13.0 / 7,748.0
Cement					
Description				Top Depth (ftKB)	Bottom Depth (ftKB)
Surface Casing Cement				13.0	747.0
Description				Top Depth (ftKB)	Bottom Depth (ftKB)
Production Casing Cement				1,420.0	7,748.0
Tubing Strings					
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade
Tubing - Production	6/12/2012	2 3/8	1.995	4.70	J-55
					Len (ft) / Set De... / 44 / 9
					7,573. / 7,584.9
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	244	7,571.54 / 7,584.5 / 7,584.1
Pump Seating Nipple	2 3/8	4.70	N-80	1	1.10 / 7,585.6 / 7,584.1
1/2 PUMP OF BIT SUB	2 3/8	4.70	N-80	1	0.80 / 7,586.4 / 7,584.9
Perforation Data					
Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE	B	24	6,902.00	6,914.00	9/1/2011
NIOBRARA, ORIGINAL HOLE	C	24	7,010.00	7,022.00	9/1/2011
CODELL, ORIGINAL HOLE		48	7,144.00	7,156.00	9/1/2011
J SAND, ORIGINAL HOLE		24	7,606.00	7,612.00	8/23/2011
J SAND, ORIGINAL HOLE		48	7,612.00	7,636.00	8/23/2011

**Well Name: CANNON H35-21**

VERTICAL - ORIGINAL HOLE, 11/16/2016 1:24:23 PM



### Stimulations & Treatments

Date	Zone	Primary Job Type
9/1/2011	J SAND, ORIGINAL HOLE	COMPLETION - ORIGINAL
Technical Result	Tech Result Details	Tech Result Note
Success	According to Plan	
Comment		
(JSAND): BREAK - 2381 @ 3.1 BPM. ISIP - 1307, 5 MIN - 986, 10 MIN - 804, 15 MIN - 661. REVERSE STEP - 18 PERFS OPEN, NWB - 210 PSI, PERF FRIC - 434 PSI. FINAL ISIP - 2410, 5 MIN - 1861. AVG VISC - 20.2, AVG TEMP - 68.6, AVG PH 10.25. ISSUES WITH CATALYSTS DURING END OF 3 PSA AND BEGINNING OF 4 PSA. OTHERWISE TREATMENT WENT WELL.		
Date	Zone	Primary Job Type
9/1/2011	CODELL, ORIGINAL HOLE	COMPLETION - ORIGINAL
Technical Result	Tech Result Details	Tech Result Note
Success	According to Plan	
Comment		
(CODELL): BREAK - 3324 PSI @ 1.1 BPM, ISIP - 3505, 5 MIN - 3334. REVERSE STEP - 19 PERFS OPEN, NWB 199 PSI, PERF FRIC 293 PSI. FINAL ISIP - 3504, 5 MIN - 3379. INITIAL ISSUES BREAKING DOWN CODELL FORMATION. ACID IN THE FLUSH APPEARED TO BE WEAK AND POSSIBLY NOT FULL AMOUNT. OTHERWISE TREATMENT WENT WELL.		
Date	Zone	Primary Job Type
9/1/2011	NIOBRARA, ORIGINAL HOLE	COMPLETION - ORIGINAL
Technical Result	Tech Result Details	Tech Result Note
Success	According to Plan	
Comment		
(NIOBRARA C&B): BREAK 3700 @ 3.8 BPM, ISIP - 3578. FINAL ISIP - 3539, 5 MIN - 3305, AVG VISC - 25, AVG TEMP - 69.5, AVG PH - 10.10. TREATMENT WENT WELL.		

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

Logs				
Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)	
7/29/2011	CBL/CCL/GR	1,240.0	7,680.0	
10/2/2014	GYRO	10.0	7,500.0	