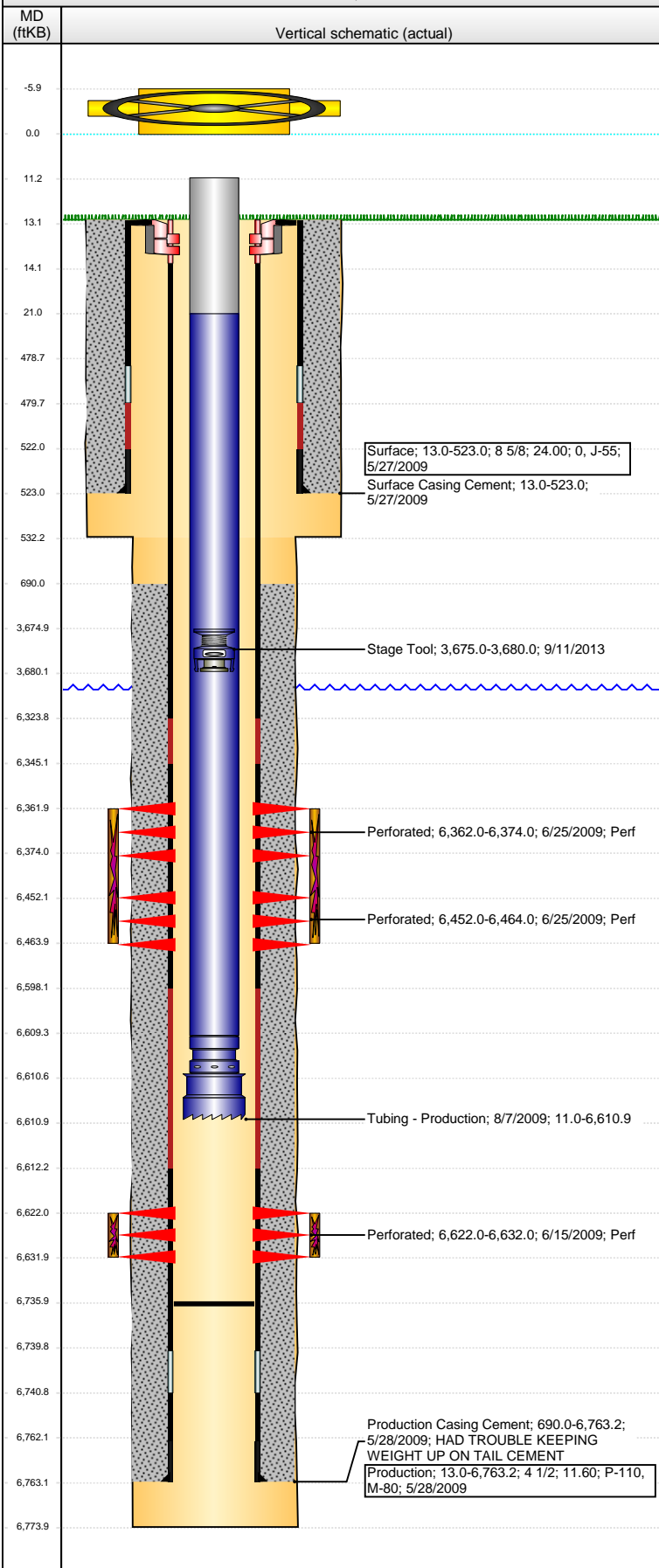


**Well Name: WELLS RANCH AF06-05**

VERTICAL - ORIGINAL HOLE, 1/21/2016 11:29:27 AM

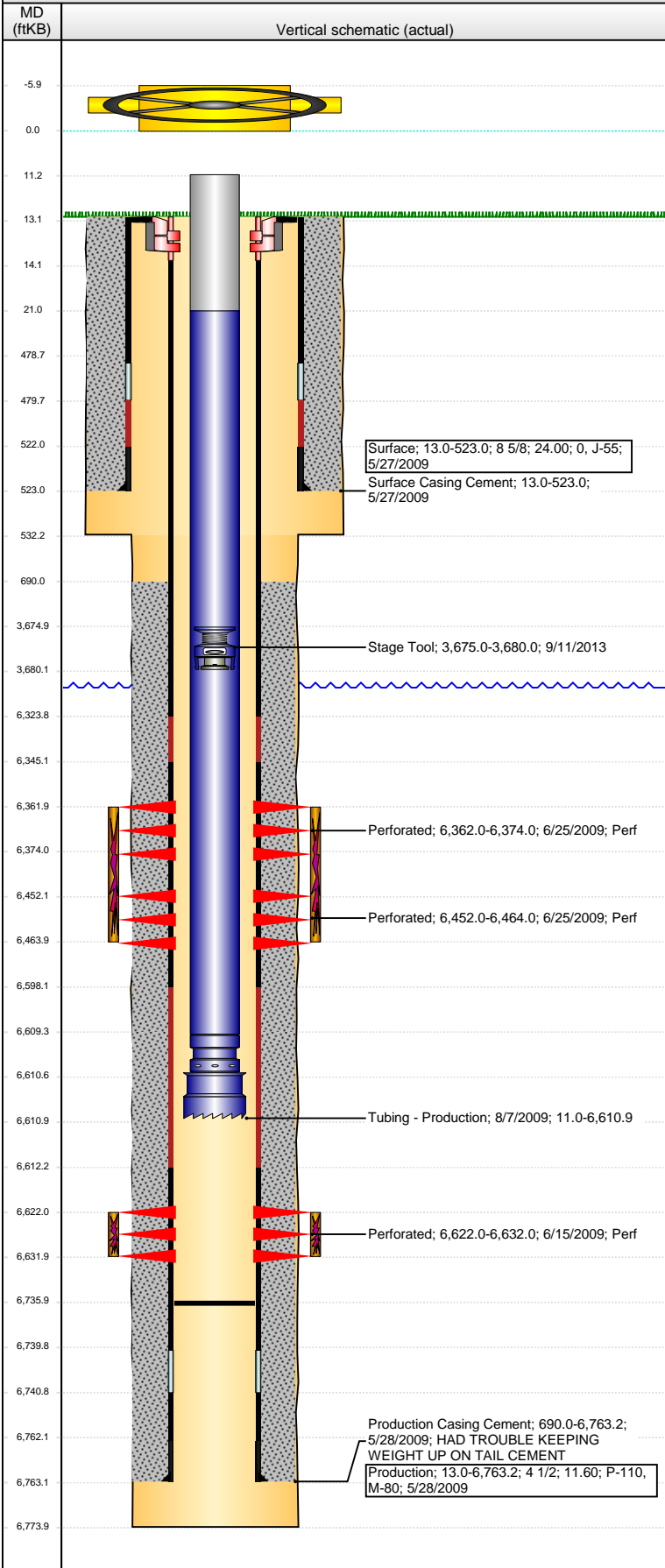


Well Header									
API		Business Unit		District		Well Config			
05-123-30168		DJ BASIN		15		VERTICAL			
Original KB Elevation (ft)		KB - GL / MSL (ftKB)		Spud Date		P & A Date			
4,705.00		13.00		5/26/2009					
Comment									
Directions To Well									
WCR 67 & 68, EAST 2/10THS, SOUTH 1.75 MILES, EAST 2.75 MILES, SOUTH 1.7 MILES, WEST 0.1, NORTH 0.1 INTO LOCATION									
Congressional Location									
Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Township	Twnshp N...	Range	Rng E/W Dir	
		SW	NW	6	5 N		62	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					
5/29/2009	6,741.0	CASING TALLY							
6/10/2009	6,727.0	CASED HOLE LOG							
8/6/2009	6,736.0	TUBING TALLY							
Wellbore Sections									
Section Des		Size (in)		Act Top, MD (ftKB)		Act Btm, MD (ftKB)			
SURFACE		12 1/4		13.0		532.0			
PRODUCTION		7 7/8		532.0		6,774.0			
Zone Statuses									
Zone Name	Status Date	Status	Fluid Type	Job	Prod Method				
NIOBRARA	6/28/2009	PR		DRILLING/CO...					
CODELL	6/28/2009	PR		DRILLING/CO...					
Casing Strings									
Surface, 523.0ftKB									
Casing Description		Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)		
Surface		5/27/2009	8 5/8	24.00	J-55	13.0	523.0		
Production, 6,763.2ftKB									
Casing Description		Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)		
Production		5/28/2009	4 1/2	11.60	M-80	13.0	6,763.2		
Cement									
Description					Top Depth (ftKB)		Bottom Depth (ftKB)		
Surface Casing Cement					13.0		523.0		
Description					Top Depth (ftKB)		Bottom Depth (ftKB)		
Production Casing Cement					690.0		6,763.2		
Tubing Strings									
Tubing Description		Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...	
Tubing - Production		8/7/2009	2 3/8	1.995	4.70	J-55	6,599.87	6,610.3	
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	10.00	21.0		
Tubing		2 3/8	4.70	J-55	214	6,588.37	6,609.4		
Pump Seating Nipple		2 3/8			1	1.10	6,610.5	6,609.9	
Notched collar		3 1/16			1	0.40	6,610.9	6,610.3	
Perforation Data									
Zone		Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date			
NIOBRARA, ORIGINAL HOLE		A	24	6,362.00	6,374.00	6/25/2009			
NIOBRARA, ORIGINAL HOLE		B	24	6,452.00	6,464.00	6/25/2009			
CODELL, ORIGINAL HOLE			40	6,622.00	6,632.00	6/15/2009			

**Well Name: WELLS RANCH AF06-05**

VERTICAL - ORIGINAL HOLE, 1/21/2016 11:29:29 AM

### Stimulations & Treatments



Date	Zone	Primary Job Type
6/25/2009	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL

Technical Result	Tech Result Details	Tech Result Note
Success	According to Plan	

Comment  
(CODELL): REVERSE STEP RATE RESULTS, PO 13 NWB 239 PSI WB 206 PSI PPF 206 PSI FOR A TOTAL OF 660 PSI OF TOTAL FRICTION. PRE JOB 5 MINUTE OF 2459 PSI. RAISED FRAC RATE TO 22 BPM. TREATMENT WENT WELL. AVG VISC 28.2 CPS AVG TEMP 77F AVG PH 10.22. POST JOB 5 MINUTE OF 3067 PSI.

Date	Zone	Primary Job Type
6/25/2009	NIOBRARA, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL

Technical Result	Tech Result Details	Tech Result Note
Success	According to Plan	

Comment  
(NIOBRARA): SHORTENED SW PAD BY 100 BBLs DUE TO TANKS LEANING. TREATMENT WENT WELL ONCE WE GOT INTO THE FORMATION. AVG VISC 24.6 CPS AVG TEMP 78.6F AVG PH 10.12. POST JOB 5 MINUTE OF 2896 PSI.

### Other In Hole

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)
9/11/2013	Stage Tool	2	3,675.0	3,680.0

### Logs

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
5/28/2009	Caliper/Comp. Density/Neutron/GR/SP/ML	2,590.0	6,773.0
5/28/2009	DIL/GR/SP/Caliper	522.0	6,773.0
6/10/2009	CBL/CCL/GR	540.0	6,726.0
9/10/2013	GYRO	13.0	6,550.0