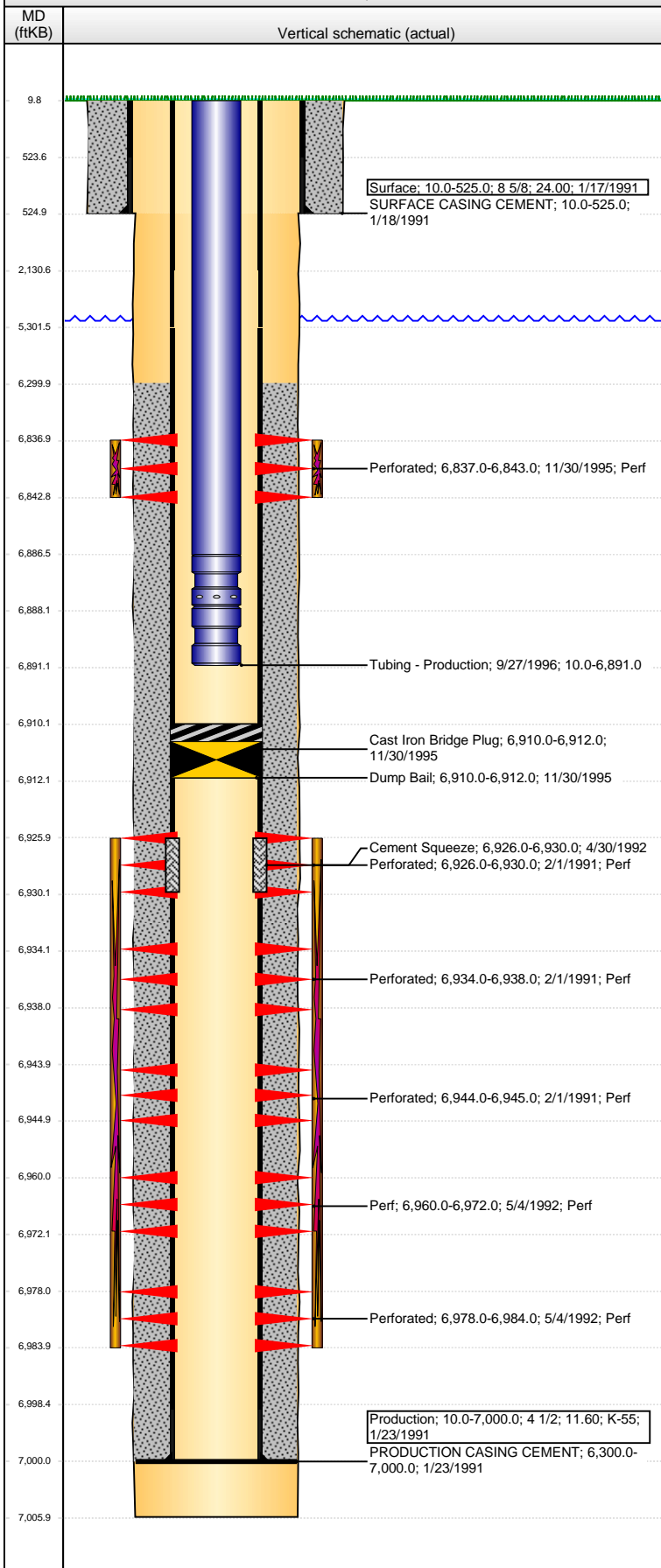


**Well Name: FEDERAL J10-23**

VERTICAL - ORIGINAL HOLE, 6/7/2013 3:19:36 PM



Well Header									
API 05-123-14882		Business Unit WATTENBERG			District 25		Well Config VERTICAL		
Original KB Elevation (ft) 4,926.00		KB - GL / MSL (ftKB) 10.00			Spud Date 1/17/1991		P & A Date		
Comment WI & NRI% LISTED ON 1 LINER AS 0; 11/30/1995 ABD J SAND - SET CIBP @6910" W1 SX CMT									
Directions To Well									
Congressional Location									
Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Township	Twnshp N...	Range	Rng E/W Dir	
		NW	SE	23	8	N	60	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			
1/23/1991		6,968.0		CASING TALLY					
2/1/1991		7,000.0		CASED HOLE LOG		DEPTH DRILLER ON CBL			
Wellbore Sections									
Section Des			Size (in)		Act Top (ftKB)		Act Btm (ftKB)		
SURFACE			12 1/4		10.0		525.0		
PRODUCTION			7 7/8		525.0		7,006.0		
Zone Statuses									
Zone Name		Status Date		Status		Job			
J SAND		3/25/1991		PR		DRILLING/COMPLETION - ORIGINAL, 1/17/1991 00:00			
J SAND		5/4/1992		PR		PERFORATING, 4/29/1992 00:00			
J SAND		11/30/1995		AB		PERFORATING, 10/30/1995 00:00			
D SAND		11/30/1995		PR		COMPLETION, 9/15/1996 00:00			
Casing Strings									
Surface, 525.0ftKB									
Casing Description		Run Date		OD (in)	Wt/Len (l...	Grade	Top (ftKB)	MD (ftKB)	
Surface		1/17/1991		8 5/8	24.00		10.0	525.0	
Production, 7,000.0ftKB									
Casing Description		Run Date		OD (in)	Wt/Len (l...	Grade	Top (ftKB)	MD (ftKB)	
Production		1/23/1991		4 1/2	10.50	K-55	10.0	7,000.0	
Cement									
Description					Top Depth (ftKB)		Bottom Depth (ftKB)		
SURFACE CASING CEMENT					10.0		525.0		
Description					Top Depth (ftKB)		Bottom Depth (ftKB)		
PRODUCTION CASING CEMENT					6,300.0		7,000.0		
Description					Top Depth (ftKB)		Bottom Depth (ftKB)		
Cement Squeeze					6,926.0		6,930.0		
Description					Top Depth (ftKB)		Bottom Depth (ftKB)		
Dump Bail					6,910.0		6,912.0		
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	215	6,876.50	6,886.5		
Seating Nipple		2 3/8			1	1.50	6,888.0		
Perforated Nipple		2 3/8				3.00	6,891.0		
Perforation Data									
Zone		Bnch/St g	Entered Shot Total		Top (ftKB)		Btm (ftKB)		Date
D SAND, ORIGINAL HOLE			24		6,837.00		6,843.00		11/30/1995
J SAND, ORIGINAL HOLE			16		6,926.00		6,930.00		2/1/1991
J SAND, ORIGINAL HOLE			16		6,934.00		6,938.00		2/1/1991
J SAND, ORIGINAL HOLE			4		6,944.00		6,945.00		2/1/1991
J SAND, ORIGINAL HOLE			48		6,960.00		6,972.00		5/4/1992
J SAND, ORIGINAL HOLE			24		6,978.00		6,984.00		5/4/1992
Stimulations & Treatments									
Date		Zone			Primary Job Type				
3/5/1991		J SAND, ORIGINAL HOLE			DRILLING/COMPLETION - ORIGINAL				
Technical Result			Tech Result Details				Tech Result Note		
Comment									

**Well Name: FEDERAL J10-23**

VERTICAL - ORIGINAL HOLE, 6/7/2013 3:19:37 PM

## Stimulations & Treatments

Date 9/20/1996	Zone J SAND, ORIGINAL HOLE	Primary Job Type COMPLETION
Technical Result	Tech Result Details	Tech Result Note
Comment		

## Other In Hole

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)
11/30/1995	Cast Iron Bridge Plug	4 1/2	6,910.0	6,912.0

## Logs

Date	Type	Top (ftKB)	Btm (ftKB)
1/23/1991	COMPENSATED DENSITY	5,900.0	7,001.0
1/23/1991	GAMMA RAY	6,700.0	7,001.0
1/23/1991	INDUCTION	525.0	7,004.0
2/1/1991	CEMENT BOND	6,180.0	6,962.0

