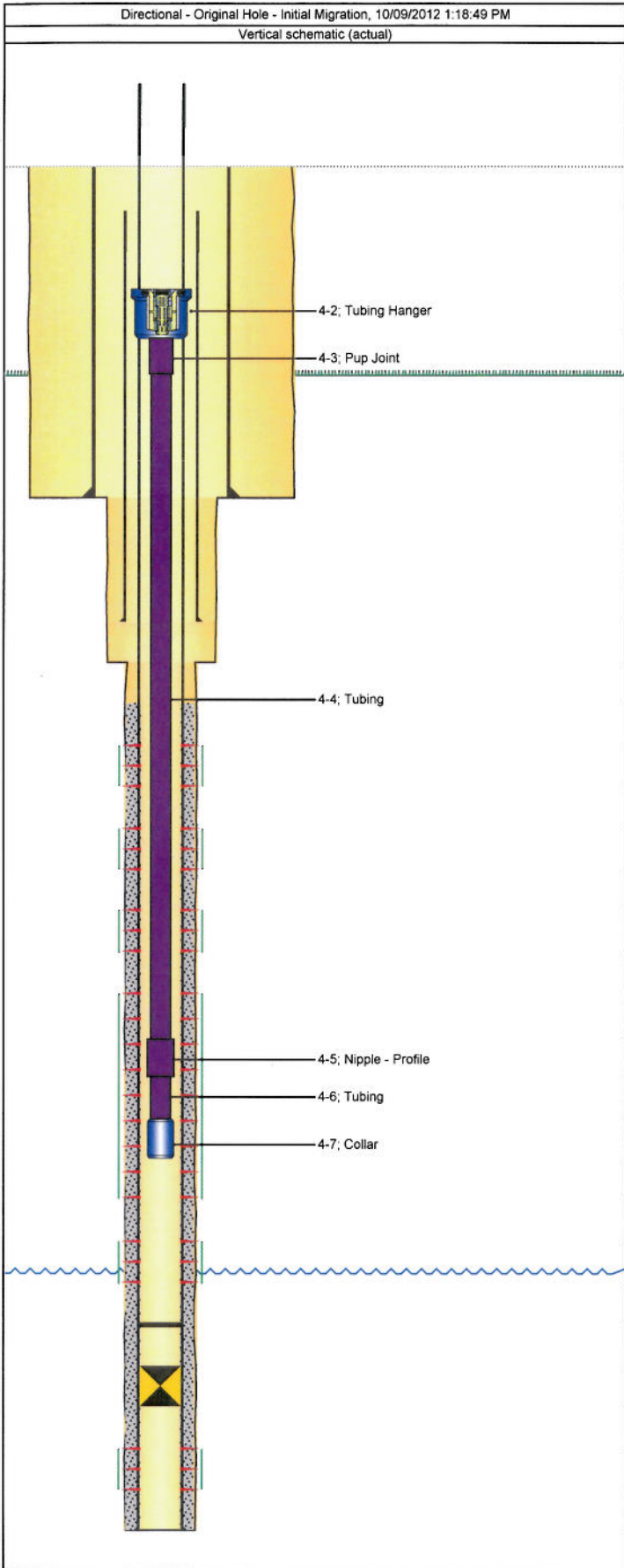


Final Well Report Detailed (graphic)

Well Name: Federal 31-11 (PF31)

API # 05045107310000	Well Type Gas	Business Unit Southern Rockies	SBU South Piceance	Area Parachute	Pad PF31	State CO	County/Parish GARFIELD
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Well Header Setup			
Well Name Federal 31-11 (PF31)		API # 05045107310000	
Original KB Elevation (ft) 5,849.74	Ground Elevation (ft) 5,833.33	Spud Date 06/13/2005	Final Rig Relea... 06/28/2005
Surface Legal Location		Latitude (decimal) (°) 39.39488000	Longitude (decimal) (°) 108.04368000
Wellbore Sections Setup			
Wellbore Type Original Hole - Initial Migration		Kick Off Depth (ftKB) 143.44	VS Dir (°) 143.44
Section Des	Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)
Conductor	30	0.0	40.0
Surface	12 1/4	40.0	1,520.0
Production	7 7/8	1,520.0	6,950.0
Plug Back Total Depths			
Date	Depth (ftKB)	Method	Com
01/23/2006	6,905.0		
10/31/2006	6,598.0	CIBP	
04/12/2010	6,328.0	TUBING	SAND FILL
Casing Data			
Conductor			
Casing Description Conductor		Run Date	Set Depth (ftKB) 40.0
Item Des	OD (in)	ID (in)	Wt (lb/ft) Grade Len (ft)
Casing Joints	16		42.00 J 55 40.00
Surface			
Casing Description Surface		Run Date	Set Depth (ftKB) 1,517.0
Item Des	OD (in)	ID (in)	Wt (lb/ft) Grade Len (ft)
Shoe	8 5/8	8.097	24.00 J 55 1.60
Casing Joints	8 5/8	8.097	24.00 J 55 44.12
Casing Joints	8 5/8	8.097	24.00 J 55 1.25
Casing Joints	8 5/8	8.097	24.00 J 55 1,460.08
Production			
Casing Description Production		Run Date	Set Depth (ftKB) 6,950.0
Item Des	OD (in)	ID (in)	Wt (lb/ft) Grade Len (ft)
Shoe	5 1/2	4.892	17.00 I 80 1.25
Casing Joints	5 1/2	4.892	17.00 I 80 43.42
Casing Joints	5 1/2	4.892	17.00 I 80 1.18
Casing Joints	5 1/2	4.892	17.00 I 80 6,911.80
Cement Data			
Conductor, 40.0ftKB Proposed? No			
Description	String	Wellbore	Type
Conductor Cement	Conductor, 40.0ftKB Proposed? No	Original Hole - Initial Migration	Casing
Stg #	Description	Top (ftKB)	Btm (ftKB) Full Return?
1	Conductor		40.0
Sequence	Fluid Des	Amount (sacks)	Class
Fill	4 yds redimix		
Surface, 1,517.0ftKB Proposed? No			
Description	String	Wellbore	Type
Surface Casing Cement	Surface, 1,517.0ftKB Proposed? No	Original Hole - Initial Migration	Casing
Stg #	Description	Top (ftKB)	Btm (ftKB) Full Return?
1	Surface		1,517.0
Sequence	Fluid Des	Amount (sacks)	Class
Tail	G	1,070	