

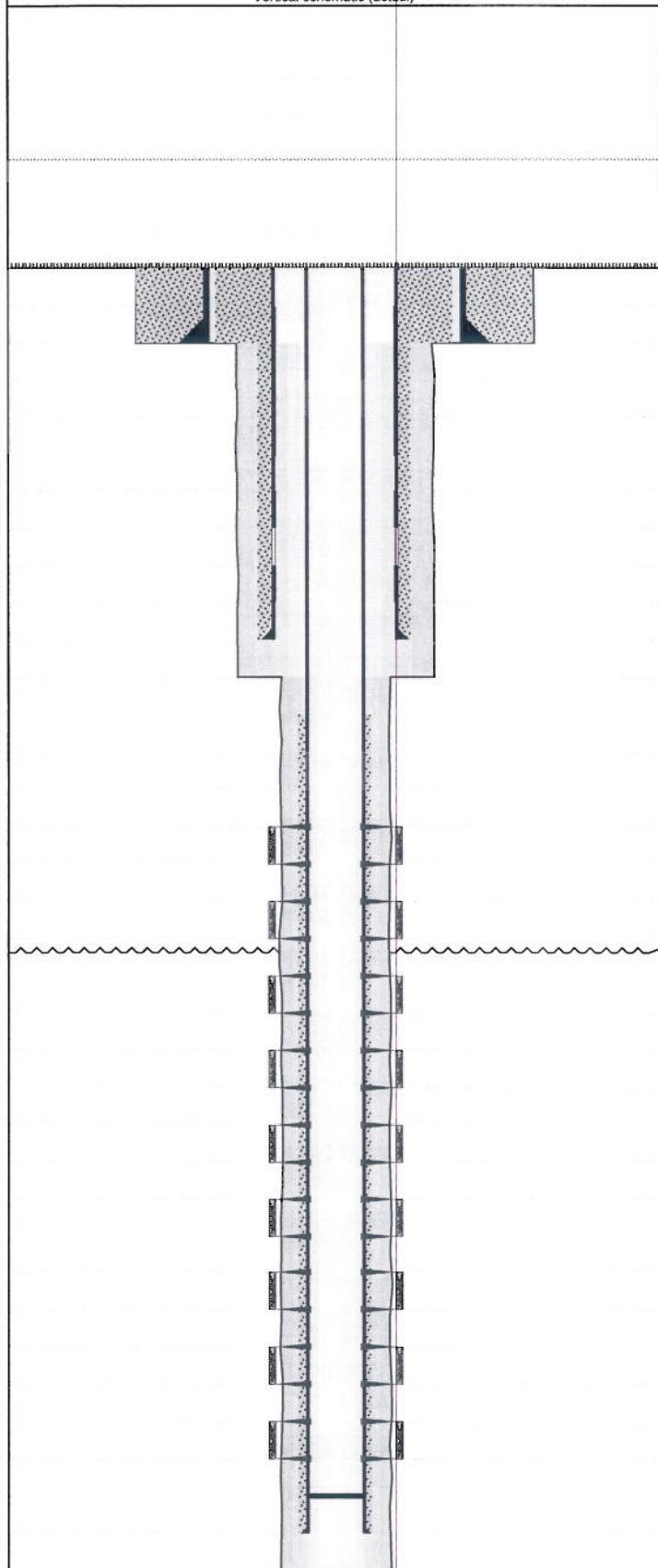
# Final Well Report Detailed (graphic)

Well Name: DW 8608E-28 P28 496

API # 05045208030000	Well Type Gas	Business Unit Southern Rockies	SBU North Piceance	Area Double Willow	Pad P28 496	State CO	County/Parish GARFIELD
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Directional - Original Hole - Initial Migration, 04/18/2013 1:27:09 PM

Vertical schematic (actual)



## Well Header Setup

Well Name DW 8608E-28 P28 496		API # 05045208030000	
Original KB Elevation (ft) 7,813.00	Ground Elevation (ft) 7,791.00	Spud Date 01/27/2012	Final Rig Release Date 06/26/2012
Surface Legal Location		Latitude (decimal) (°) 39.66810000	Longitude (decimal) (°) -108.16573700

## Wellbore Sections Setup

Wellbore Type Original Hole - Initial Migration		Kick Off Depth (ftKB) 339.19	VS Dir (°) 339.19
Section Des	Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)
Conductor	30	22.0	118.0
Surface	14 3/4	118.0	2,155.0
Production	7 7/8	2,155.0	11,470.0

## Plug Back Total Depths

Date 09/26/2012	Depth (ftKB) 11,400.0	Method	Com Wellcore PBTD (TVD): 10952.000016647
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## Casing Data

Conductor					
Casing Description			Run Date		Set Depth (ftKB)
Conductor			11/23/2011		118.0
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Casing Joints	20				120.00

## Surface

Casing Description			Run Date		Set Depth (ftKB)
Surface			01/29/2012		2,131.0
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Casing Joints	9 5/8	8.921	36.00	J-55	27.00
Casing Joints	9 5/8				5.00
Casing Joints	9 5/8	8.921	36.00	J-55	1,921.65
Casing Joints	9 5/8				1.60
Casing Joints	9 5/8	8.921	36.00	J-55	133.06
Float Collar	9 5/8				1.50
Casing Joints	9 5/8	8.921	36.00	J-55	44.70
Float Shoe	9 5/8				1.50

## Production

Casing Description			Run Date		Set Depth (ftKB)
Production			06/25/2012		11,424.0
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Guide Shoe	5 1/2		11.60	P-110	1.50
Casing Joints	4 1/2	4.000	11.60	P-110	20.67
Float Collar	5 1/2		11.60	P-110	1.50
Casing Joints	4 1/2	4.000	11.60	P-110	1,440.63
Marker Joint	4 1/2	4.000	11.60	P-110	20.67
Casing Joints	4 1/2	4.000	11.60	P-110	2,667.51
Marker Joint	4 1/2	4.000	11.60	P-110	20.65
Casing Joints	4 1/2	4.000	11.60	P-110	7,254.07

## Cement Data

### Conductor, 118.0ftKB Proposed? No

Description Conductor Cement		String Conductor, 118.0ftKB Proposed? No	Wellbore Original Hole - Initial Migration	Type Casing	
Stg # 1	Description Conductor		Top (ftKB) 22.0	Btm (ftKB) 118.0	Full Return?
Sequence		Fluid Des		Amount (sacks)	Class
Fill		Redi Mix 19-1/2 yds		160	

### Surface, 2,131.0ftKB Proposed? No

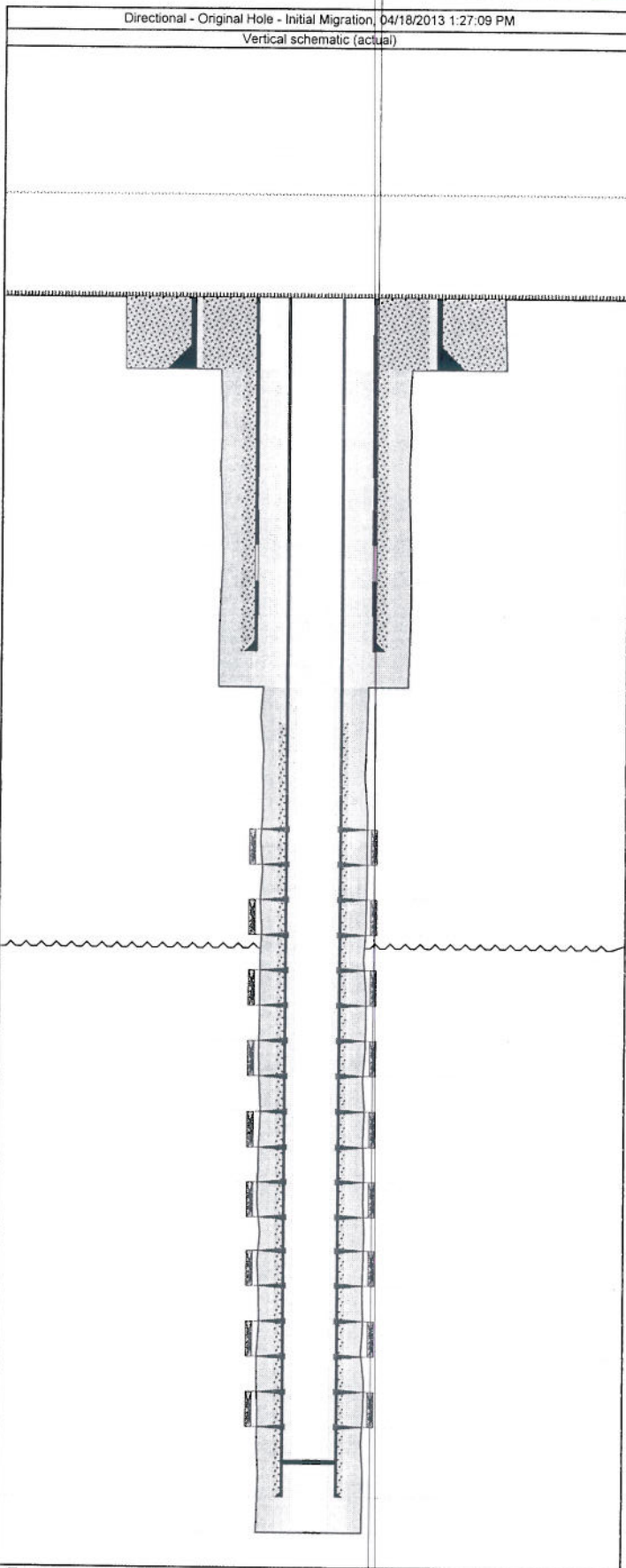
Description Surface Casing Cement		String Surface, 2,131.0ftKB Proposed? No	Wellbore Original Hole - Initial Migration	Type Casing	
Stg # 1	Description Surface		Top (ftKB) 22.0	Btm (ftKB) 2,131.0	Full Return?



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Sequence	Fluid Des	Amount (sacks)	Class
Tail	12.5# LiteFILL	245	
Lead	11# LiteFILL	471	

## Production, 11,424.0ftKB Proposed? No

Description	String	Wellbore	Type
Production Casing Cement	Production, 11,424.0ftKB Proposed? No	Original Hole - Initial Migration	Casing

Stg #	Description	Top (ftKB)	Btm (ftKB)	Full Return?
1	Production	4,094.0	11,424.0	

Sequence	Fluid Des	Amount (sacks)	Class
Lead	12.0 POZ/G lead	1,556	
Tail	13# Rockies Correct Tail	634	

## Tubing Data

Tubing Description			Tubing Set Date	Set Depth (ftKB)
Item Des	OD (in)	ID (in)	Len (ft)	

## Rod Data

Rod Description	Run Date	Set Depth (ftKB)
Item Des	OD (in)	Len (ft)

## Zones

Zone Name		Wellbore	Top Depth (ftKB)	Btm (ftKB)
Original Migration		Original Hole - Initial Migration		
Cur Stat Date	Current Status	Formation(s)		

## Perforation Data

Stage #	Type	Top Depth (ftKB)	Bottom Depth (ftKB)	Zone
9	Perforated	7,512.0	7,870.0	Original Migration, Original Hole - Initial Migration
8	Perforated	7,957.0	8,249.0	Original Migration, Original Hole - Initial Migration
7	Perforated	8,276.0	8,566.0	Original Migration, Original Hole - Initial Migration
6	Perforated	8,677.0	9,054.0	Original Migration, Original Hole - Initial Migration
5	Perforated	9,178.0	9,484.0	Original Migration, Original Hole - Initial Migration
4	Perforated	9,563.0	9,867.0	Original Migration, Original Hole - Initial Migration
3	Perforated	9,891.0	10,265.0	Original Migration, Original Hole - Initial Migration
2	Perforated	10,378.0	10,709.0	Original Migration, Original Hole - Initial Migration
1	Perforated	10,752.0	11,198.0	Original Migration, Original Hole - Initial Migration

## Other In Hole

OD (in)	Des	Top (ftKB)	Btm (ftKB)	ID (in)	Make	Model

## Wellhead Description

Install Date	Type	Make	Size (in)	WP (psi)	
Make	Model	Section	Top Sz (in)	Btm Sz (in)	WP (psi)