

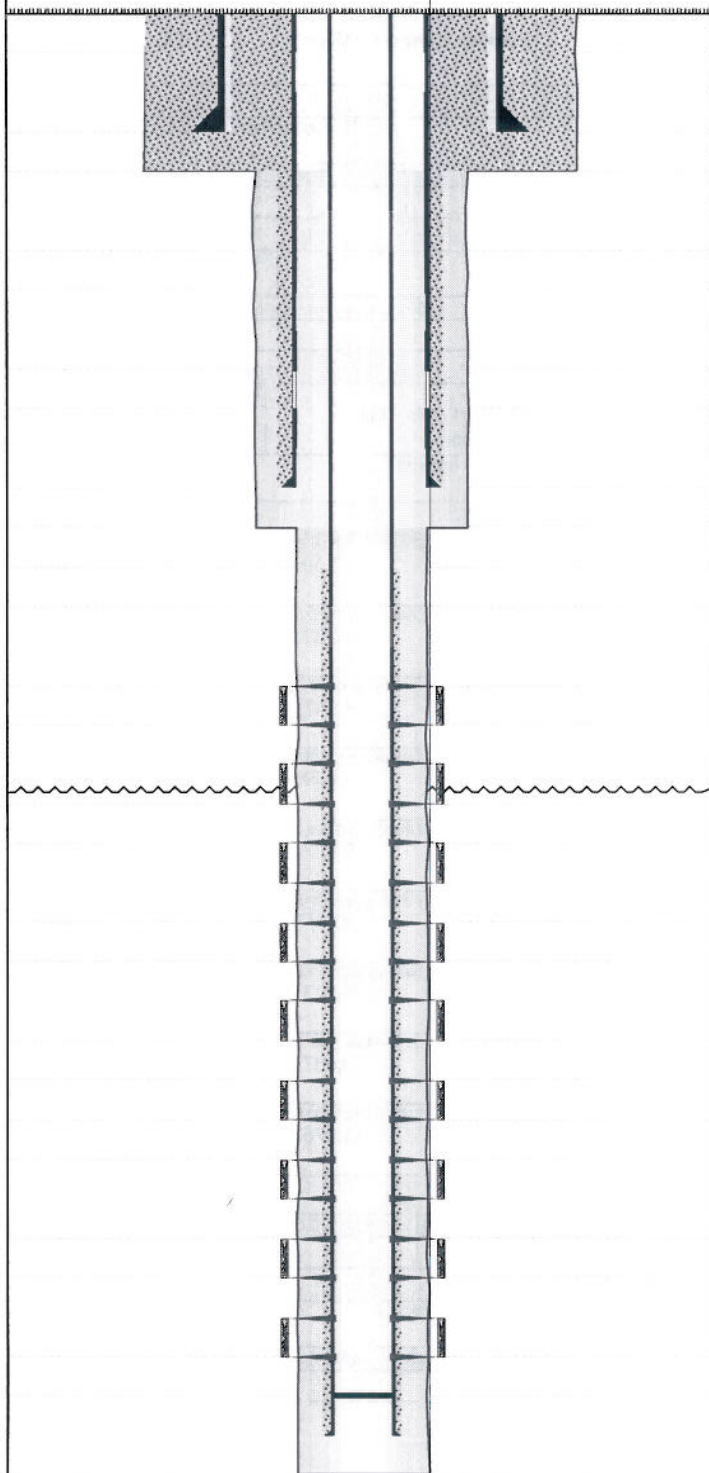
Final Well Report Detailed (graphic)

Well Name: DW 8609A-28 P28 496

API # 05045207980000	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, 04/09/2013 11:05:35 AM

Vertical schematic (actual)



Well Header Setup

Well Name DW 8609A-28 P28 496		API # 05045207980000	
Original KB Elevation (ft) 7,813.00	Ground Elevation (ft) 7,791.00	Spud Date 01/16/2012	Final Rig Relea.. 05/11/2012
Surface Legal Location		Latitude (decimal) (°) 39.66802000	Longitude (decimal) (°) -108.16572000

Wellbore Sections Setup

Wellbore Type Original Hole - Initial Migration		Kick Off Depth (ftKB) 335.38	VS Dir (°) 335.38
Section Des	Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)
Conductor	30	22.0	120.0
Surface	14 3/4	120.0	2,126.0
Production	8 3/4	2,126.0	11,346.0

Plug Back Total Depths

Date 08/30/2012	Depth (ftKB) 11,289.0	Method	Com Wellcore PBDT (TVD): 10962.0000166622
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Casing Data

Conductor					
Casing Description Conductor			Run Date 11/16/2011		Set Depth (ftKB) 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			01/18/2012	2,101.0	
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Casing Joints	9 5/8	8.921	36.00	J-55	30.00
Casing Joints	9 5/8				6.00
Casing Joints	9 5/8	8.921	36.00	J-55	1,890.86
Casing Joints	9 5/8				1.35
Casing Joints	9 5/8	8.921	36.00	J-55	131.52
Float Collar	9 5/8				1.50
Casing Joints	9 5/8	8.921	36.00	J-55	43.99
Float Shoe	9 5/8				1.60

Production

Casing Description			Run Date	Set Depth (ftKB)	
Production			05/11/2012	11,313.0	
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	20.61
Float Collar	5 1/2		11.60	P-110	1.50
Casing Joints	4 1/2	4.000	11.60	P-110	1,480.72
Marker Joint	4 1/2	4.000	11.60	P-110	19.72
Casing Joints	4 1/2	4.000	11.60	P-110	2,666.36
Marker Joint	4 1/2	4.000	11.60	P-110	21.12
Casing Joints	4 1/2	4.000	11.60	P-110	7,105.09

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, 2,101.0ftKB Proposed? No

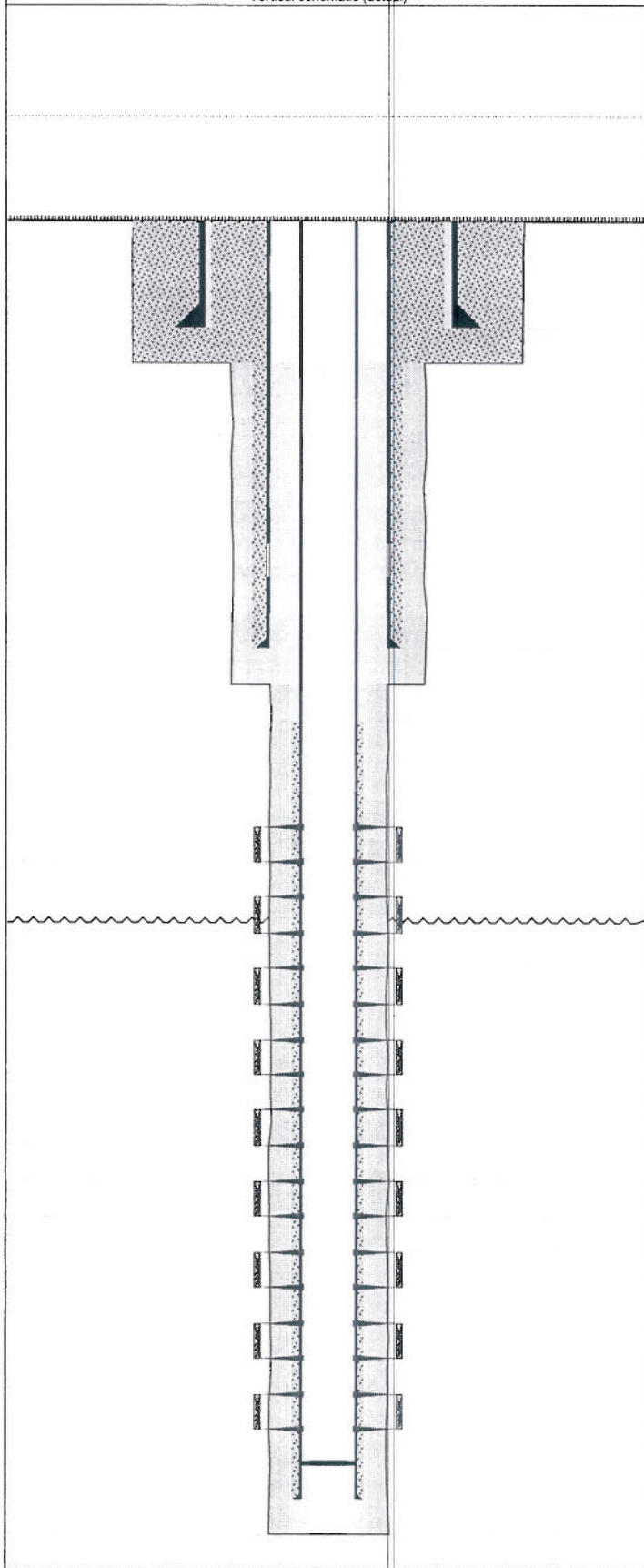
Description Surface Casing Cement		String Surface, 2,101.0ftKB Proposed? No	Wellbore Original Hole - Initial Migration		Type Casing
Stg # 1	Description Surface		Top (ftKB) 22.0	Btm (ftKB) 2,101.0	Full Return?

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Directional - Original Hole - Initial Migration, 04/09/2013 11:05:35 AM
Vertical schematic (actual)



Sequence	Fluid Des	Amount (sacks)	Class
Tail	12.5# LiteFILL	246	
Lead	11# LiteFILL	471	

Production, 11,313.0ftKB Proposed? No

Description Production Casing Cement		String Production, 11,313.0ftKB Proposed? No	Wellbore Original Hole - Initial Migration		Type Casing
Stg # 1	Description Production		Top (ftKB) 3,923.0	Btm (ftKB) 11,313.0	Full Return?

Sequence	Fluid Des	Amount (sacks)	Class
Lead	12.0 POZ/G lead	1,572	
Tail	Rockies Correct GMS Enc	636	

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

Perforation Data

Stage #	Type	Top Depth (ftKB)	Bottom Depth (ftKB)	Zone
9	Perforated	7,419.0	7,869.0	Original Migration, Original Hole - Initial Migration
8	Perforated	7,891.0	8,263.0	Original Migration, Original Hole - Initial Migration
7	Perforated	8,323.0	8,647.0	Original Migration, Original Hole - Initial Migration
6	Perforated	8,732.0	9,049.0	Original Migration, Original Hole - Initial Migration
5	Perforated	9,094.0	9,422.0	Original Migration, Original Hole - Initial Migration
4	Perforated	9,486.0	9,855.0	Original Migration, Original Hole - Initial Migration
3	Perforated	9,902.0	10,273.0	Original Migration, Original Hole - Initial Migration
2	Perforated	10,317.0	10,637.0	Original Migration, Original Hole - Initial Migration
1	Perforated	10,668.0	11,075.0	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)