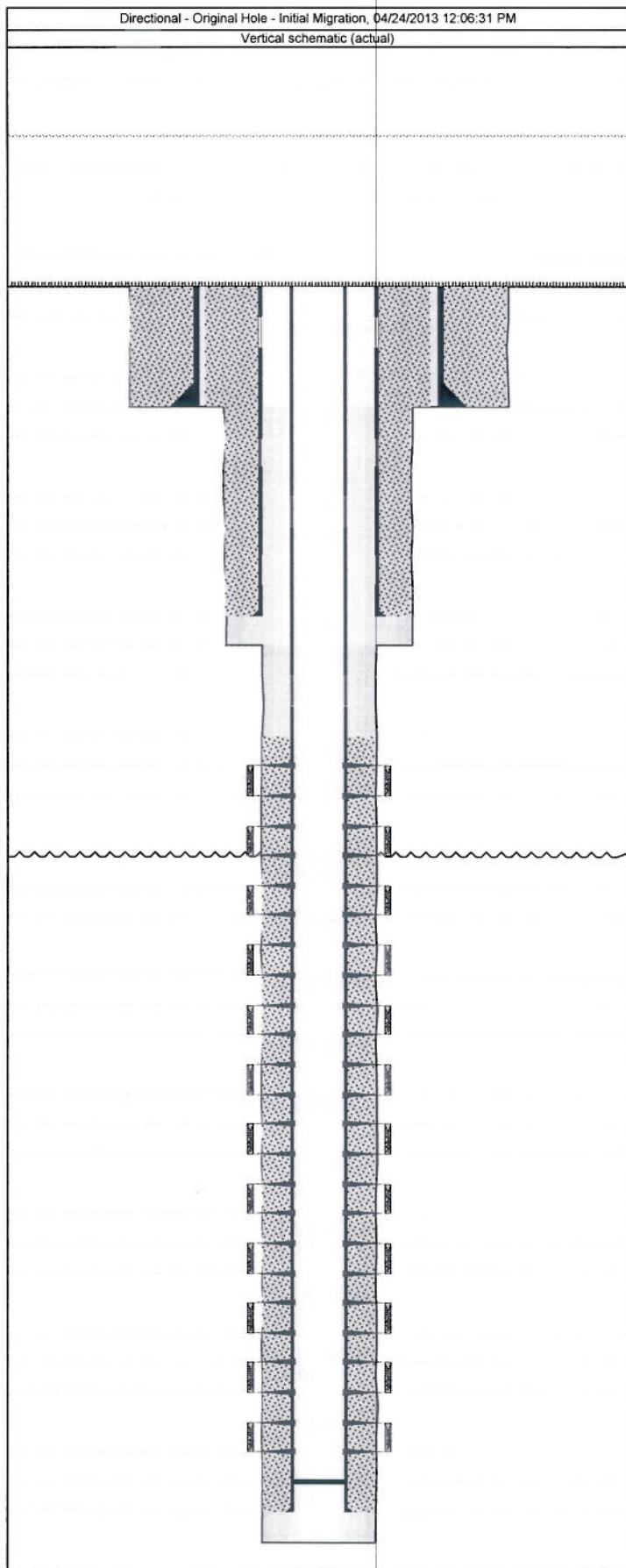


Final Well Report Detailed (graphic)

Well Name: SG 8509E-21 N22 496

API # 05045210310000	Well Type Gas	Business Unit Southern Rockies	SBU North Piceance	Area Story Gulch	Pad N22 496	State CO	County/Parish GARFIELD
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Well Header Setup					
Well Name SG 8509E-21 N22 496			API # 05045210310000		
Original KB Elevation (ft) 7,607.00		Ground Elevation (ft) 7,585.00		Spud Date 03/12/2012	
				Final Rig Relea... 05/28/2012	
Surface Legal Location			Latitude (decimal) (°) 39.68386300		Longitude (decimal) (°) -108.15721400
Wellbore Sections Setup					
Wellbore Type Original Hole - Initial Migration			Kick Off Depth (ftKB) 276.76		VS Dir (°) 276.76
Section Des	Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)		
Conductor	30	22.0	120.0		
Surface	14 3/4	120.0	2,147.0		
Production	8 3/4	2,147.0	11,830.0		
Plug Back Total Depths					
Date	Depth (ftKB)	Method	Com		
09/25/2012	11,783.0		Wellcore PBDT (TVD): 10988.0000167018		
Casing Data					
Conductor					
Casing Description Conductor			Run Date 01/02/2012		Set Depth (ftKB) 120.0
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Casing Joints	20		52.78	A53B	120.00
Surface					
Casing Description Surface			Run Date 03/12/2012		Set Depth (ftKB) 2,129.0
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Float Shoe	9 5/8			J-55	1.50
Casing Joints	9 5/8	8.921	36.00	J-55	42.39
Float Collar	9 5/8			J-55	1.50
Casing Joints	9 5/8	8.921	36.00	J-55	44.04
Casing Joints	9 5/8	8.921	36.00	J-55	84.53
Collar	9 5/8				1.50
Casing Joints	9 5/8	8.921	36.00	K-55	1,918.12
Casing Joints	9 5/8				4.80
Casing Joints	9 5/8	8.921	36.00	J-55	28.00
Production					
Casing Description Production			Run Date 05/21/2012		Set Depth (ftKB) 11,808.0
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Float Shoe	4 1/2			P-110	1.50
Shoe	4 1/2	4.000	11.60	P-110	22.22
Float Collar	4 1/2			P-110	1.50
Casing Joints	4 1/2	4.000	11.60	P-110	1,448.91
Marker Joint	4 1/2	4.000	11.60	P-110	21.35
Casing Joints	4 1/2	4.000	11.60	P-110	3,018.20
Marker Joint	4 1/2	4.000	11.60	P-110	20.61
Casing Joints	4 1/2	4.000	11.60	P-110	7,279.07
Cement Data					
Conductor, 120.0ftKB Proposed? No					
Description Conductor Cement	String Conductor, 120.0ftKB Proposed? No	Wellbore Original Hole - Initial Migration	Type Casing		
Stg # 1	Description Conductor	Top (ftKB) 22.0	Btm (ftKB) 120.0	Full Return? Yes	
Sequence	Fluid Des	Amount (sacks)	Class		
Lead	Redi Mix - 19 yards	133			
Surface, 2,129.0ftKB Proposed? No					
Description Surface Casing Cement	String Surface, 2,129.0ftKB Proposed? No	Wellbore Original Hole - Initial Migration	Type Casing		

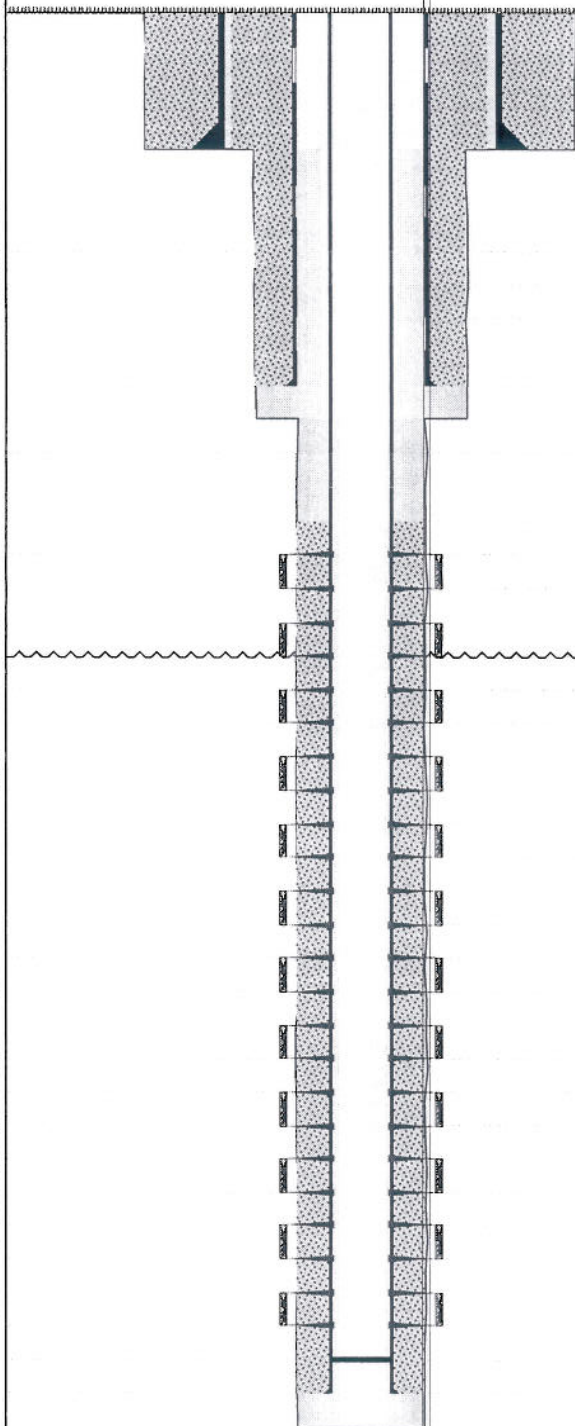
Final Well Report Detailed (graphic)

Well Name: SG 8509E-21 N22 496

API # 05045210310000	Well Type Gas	Business Unit Southern Rockies	SBU North Piceance	Area Story Gulch	Pad N22 496	State CO	County/Parish GARFIELD
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Directional - Original Hole - Initial Migration, 04/24/2013 12:06:31 PM

Vertical schematic (actual)



Stg #	Description	Top (ftKB)	Btm (ftKB)	Full Return?
1	Surface	22.0	2,129.0	
Sequence	Fluid Des	Amount (sacks)	Class	
Tail	12.5# LiteFIL	246		
Lead	11# LiteFIL	471		

Production, 11,808.0ftKB Proposed? No

Description	String	Wellbore	Type
Production Casing Cement	Production, 11,808.0ftKB Proposed? No	Original Hole - Initial Migration	Casing

Stg #	Description	Top (ftKB)	Btm (ftKB)	Full Return?
1	Production	4,662.0	11,808.0	
Sequence	Fluid Des	Amount (sacks)	Class	
Fill	11ppg TXI	794		
Tail	13ppg Rockies Correct	484		
Lead	12ppg TXI LS	707		

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
12	Perforated	7,895.0	8,189.0	Original Migration, Original Hole - Initial Migration
11	Perforated	8,227.0	8,397.0	Original Migration, Original Hole - Initial Migration
10	Perforated	8,434.0	8,629.0	Original Migration, Original Hole - Initial Migration
9	Perforated	8,668.0	8,952.0	Original Migration, Original Hole - Initial Migration
8	Perforated	8,978.0	9,305.0	Original Migration, Original Hole - Initial Migration
7	Perforated	9,342.0	9,623.0	Original Migration, Original Hole - Initial Migration
6	Perforated	9,708.0	9,972.0	Original Migration, Original Hole - Initial Migration
5	Perforated	10,013.0	10,258.0	Original Migration, Original Hole - Initial Migration
4	Perforated	10,308.0	10,533.0	Original Migration, Original Hole - Initial Migration
3	Perforated	10,628.0	10,837.0	Original Migration, Original Hole - Initial Migration
2	Perforated	10,881.0	11,141.0	Original Migration, Original Hole - Initial Migration
1	Perforated	11,322.0	11,628.0	Original Migration, Original Hole - Initial Migration