

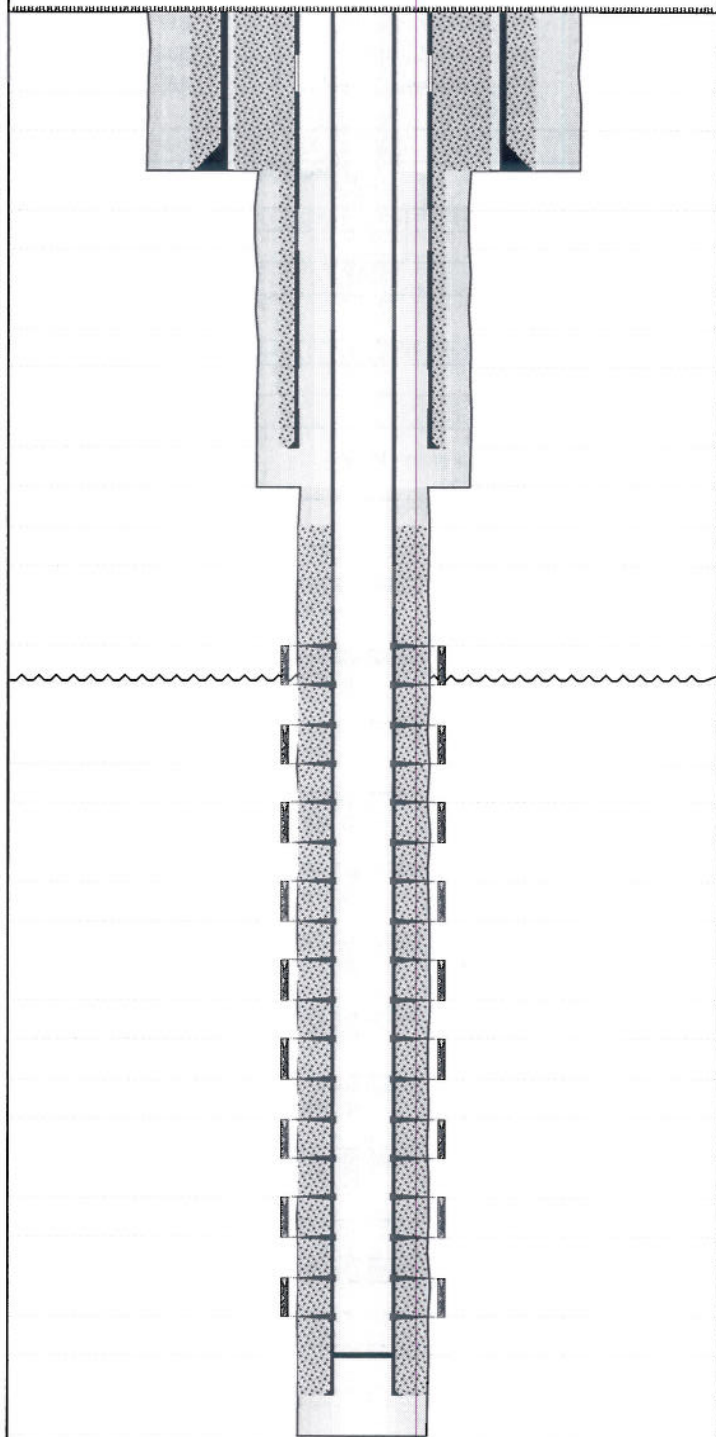
# Final Well Report Detailed (graphic)

Well Name: SG 8514B-22 N22 496

API # 05045210390000	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, 03/27/2013 9:00:03 AM

Vertical schematic (actual)



## Well Header Setup

Well Name SG 8514B-22 N22 496		API # 05045210390000	
Original KB Elevation (ft) 7,607.00	Ground Elevation (ft) 7,585.00	Spud Date 04/19/2012	Final Rig Relea... 06/19/2012
Surface Legal Location		Latitude (decimal) (°) 39.68378700	Longitude (decimal) (°) -108.15722400

## Wellbore Sections Setup

Wellbore Type		Kick Off Depth (ftKB)	VS Dir (°)
Original Hole - Initial Migration			262.55
Section Des	Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)
Conductor	30	22.0	120.0
Surface	14 3/4	120.0	2,135.0
Production	8 3/4	2,135.0	11,125.0

## Plug Back Total Depths

Date 09/25/2012	Depth (ftKB) 11,081.0	Method	Com Wellcore PBTD (TVD): 11054.0000168021
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## Casing Data

Conductor						
Casing Description Conductor			Run Date 02/02/2012		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 04/20/2012	Set Depth (ftKB) 2,111.0	
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	44.03
Float Collar	9 5/8			J-55	1.50
Casing Joints	9 5/8	8.921	36.00	J-55	44.05
Casing Joints	9 5/8	8.921	36.00	J-55	85.23
Collar	9 5/8				1.50
Casing Joints	9 5/8	8.921	36.00	K-55	1,905.50
Casing Joints	9 5/8				4.80
Casing Joints	9 5/8	8.921	36.00	J-55	28.00

## Production

Casing Description			Run Date	Set Depth (ftKB)	
Production			06/18/2012	11,105.0	
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	20.64
Float Collar	4 1/2			P-110	1.50
Casing Joints	4 1/2	4.000	11.60	P-110	1,445.63
Marker Joint	4 1/2	4.000	11.60	P-110	20.66
Casing Joints	4 1/2	4.000	11.60	P-110	2,962.79
Marker Joint	4 1/2	4.000	11.60	P-110	20.65
Casing Joints	4 1/2	4.000	11.60	P-110	6,636.68

## 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 yds		133	

### Surface, 2,111.0ftKB Proposed? No

Description Surface Casing Cement	String Surface, 2,111.0ftKB Proposed? No	Wellbore Original Hole - Initial Migration	Type Casing
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Directional - Original Hole - Initial Migration, 03/27/2013 9:00:03 AM  
Vertical schematic (actual)

Stg # 1	Description Surface	Top (ftKB) 22.0	Btm (ftKB) 2,111.0	Full Return?
Sequence		Fluid Des		
Tail	12.5# LiteFIL	Amount (sacks)	246	Class
Lead	11# LiteFIL		471	

## Production, 11,105.0ftKB Proposed? No

Description	String	Wellbore	Type
Production Casing Cement	Production, 11,105.0ftKB Proposed? No	Original Hole - Initial Migration	Casing

Stg #	Description	Top (ftKB)	Btm (ftKB)	Full Return?	
1	Production	3,722.0	11,105.0		
Sequence		Fluid Des		Amount (sacks)	Class
Fill	11ppg TXI Lead #1			817	
Lead	12ppg TXI Lead #2			535	
Tail	13ppg Rockies Correct GMS Enc			483	

## 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	7,337.0	7,674.0	Original Migration, Original Hole - Initial Migration
8	Perforated	7,709.0	8,098.0	Original Migration, Original Hole - Initial Migration
7	Perforated	8,179.0	8,511.0	Original Migration, Original Hole - Initial Migration
6	Perforated	8,601.0	8,942.0	Original Migration, Original Hole - Initial Migration
5	Perforated	8,998.0	9,316.0	Original Migration, Original Hole - Initial Migration
4	Perforated	9,371.0	9,754.0	Original Migration, Original Hole - Initial Migration
3	Perforated	9,842.0	10,181.0	Original Migration, Original Hole - Initial Migration
2	Perforated	10,205.0	10,556.0	Original Migration, Original Hole - Initial Migration
1	Perforated	10,629.0	10,962.0	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)