

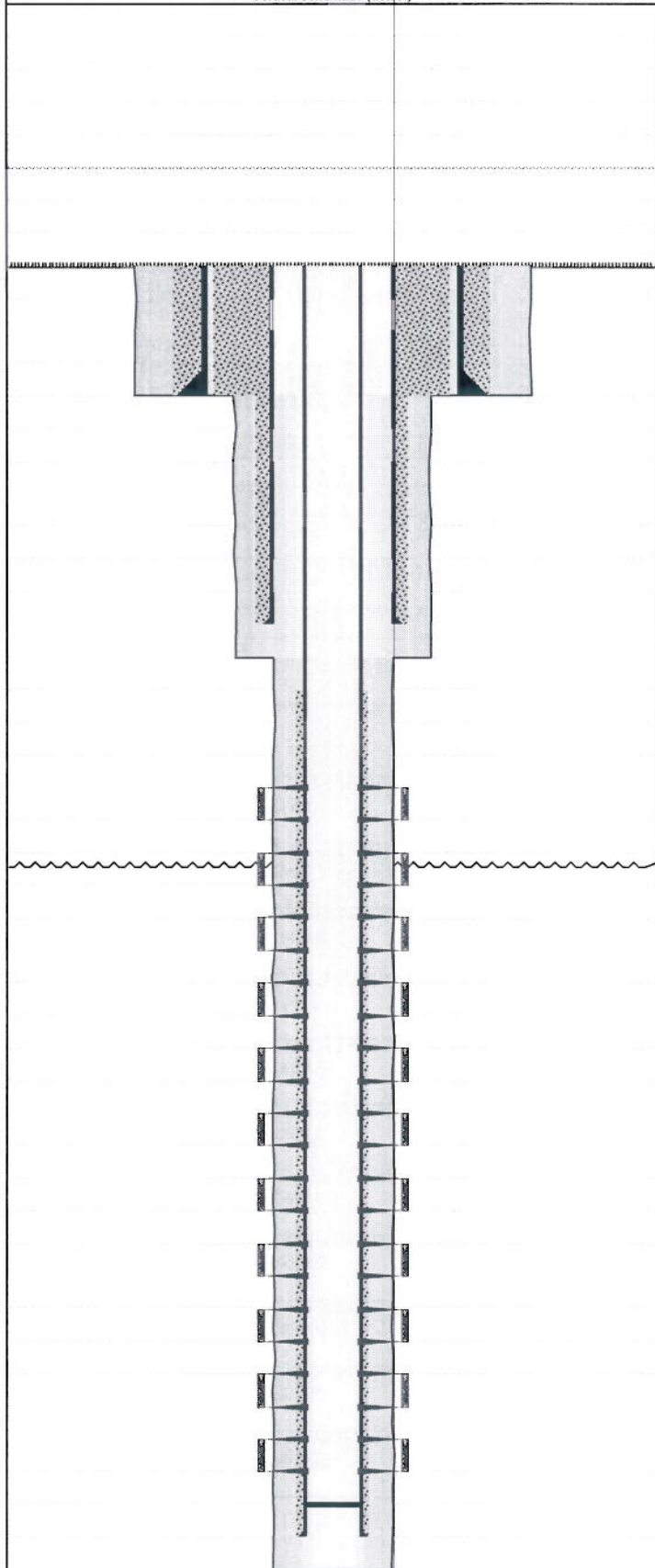
Final Well Report Detailed (graphic)

Well Name: SG 8511D-22 N22 496

API # 05045210340000	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, 04/25/2013 1:32:54 PM

Vertical schematic (actual)



Well Header Setup

Well Name SG 8511D-22 N22 496		API # 05045210340000	
Original KB Elevation (ft) 7,608.27	Ground Elevation (ft) 7,585.30	Spud Date 03/08/2012	Final Rig Relea. 05/13/2012
Surface Legal Location		Latitude (decimal) (°) 39.68387800	Longitude (decimal) (°) -108.15717400

Wellbore Sections Setup

Wellbore Type		Kick Off Depth (ftKB)	VS Dir (°)
Original Hole - Initial Migration			308.43
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	11,255.0

Plug Back Total Depths

Date 09/25/2012	Depth (ftKB) 11,211.0	Method Wellcore PBDT (TVD): 11161.0000169647
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Casing Data

Casing Description Conductor	Run Date 01/03/2012	Set Depth (ftKB) 120.0
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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 03/09/2012	Set Depth (ftKB) 2,129.0
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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	42.55
Float Collar	9 5/8			J-55	1.50
Casing Joints	9 5/8	8.921	36.00	J-55	44.02
Casing Joints	9 5/8	8.921	36.00	J-55	81.89
Collar	9 5/8				1.50
Casing Joints	9 5/8	8.921	36.00	K-55	1,927.20
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 05/13/2012	Set Depth (ftKB) 11,235.0
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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	1,472.74
Marker Joint	4 1/2	4.000	11.60	P-110	20.23
Casing Joints	4 1/2	4.000	11.60	P-110	2,953.55
Marker Joint	4 1/2	4.000	11.60	P-110	19.54
Casing Joints	4 1/2	4.000	11.60	P-110	6,750.00

Cement Data

Conductor, 120.0ftKB Proposed? No

Description Conductor Cement	String Conductor, 120.0ftKB Proposed? No	Wellbore Original Hole - Initial Migration	Type Casing
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Stg #	Description	Top (ft)(KB)	Btm (ft)(KB)	Full Return?
1	Conductor	22.0	120.0	Yes
Sequence		Fluid Des	Amount (sacks)	Class
Lead		19 yd Redi Mix	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
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Directional - Original Hole - Initial Migration, 04/25/2013 1:32:54 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	
Lead	11# LiteFIL	471		
Tail	12.5# LiteFIL	246		

Production, 11,235.0ftKB Proposed? No

Description	String	Wellbore	Type
Production Casing Cement	Production, 11,235.0ftKB Proposed? No	Original Hole - Initial Migration	Casing

Stg #	Description	Top (ftKB)	Btm (ftKB)	Full Return?
1	Production	3,031.0	11,235.0	
Sequence	Fluid Des	Amount (sacks)	Class	
Lead	12ppg TXI LS	550		
Tail	13ppg Rockies Correct GMS Enc	492		
Fill	11ppg TXI	816		

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
11	Perforated	7,280.0	7,553.0	Original Migration, Original Hole - Initial Migration
10	Perforated	7,581.0	7,763.0	Original Migration, Original Hole - Initial Migration
9	Perforated	7,823.0	8,038.0	Original Migration, Original Hole - Initial Migration
8	Perforated	8,098.0	8,321.0	Original Migration, Original Hole - Initial Migration
7	Perforated	8,393.0	8,654.0	Original Migration, Original Hole - Initial Migration
6	Perforated	8,734.0	8,992.0	Original Migration, Original Hole - Initial Migration
5	Perforated	9,032.0	9,296.0	Original Migration, Original Hole - Initial Migration
4	Perforated	9,317.0	9,587.0	Original Migration, Original Hole - Initial Migration
3	Perforated	9,628.0	9,924.0	Original Migration, Original Hole - Initial Migration
2	Perforated	10,012.0	10,272.0	Original Migration, Original Hole - Initial Migration
1	Perforated	10,308.0	10,594.0	Original Migration, Original Hole - Initial Migration