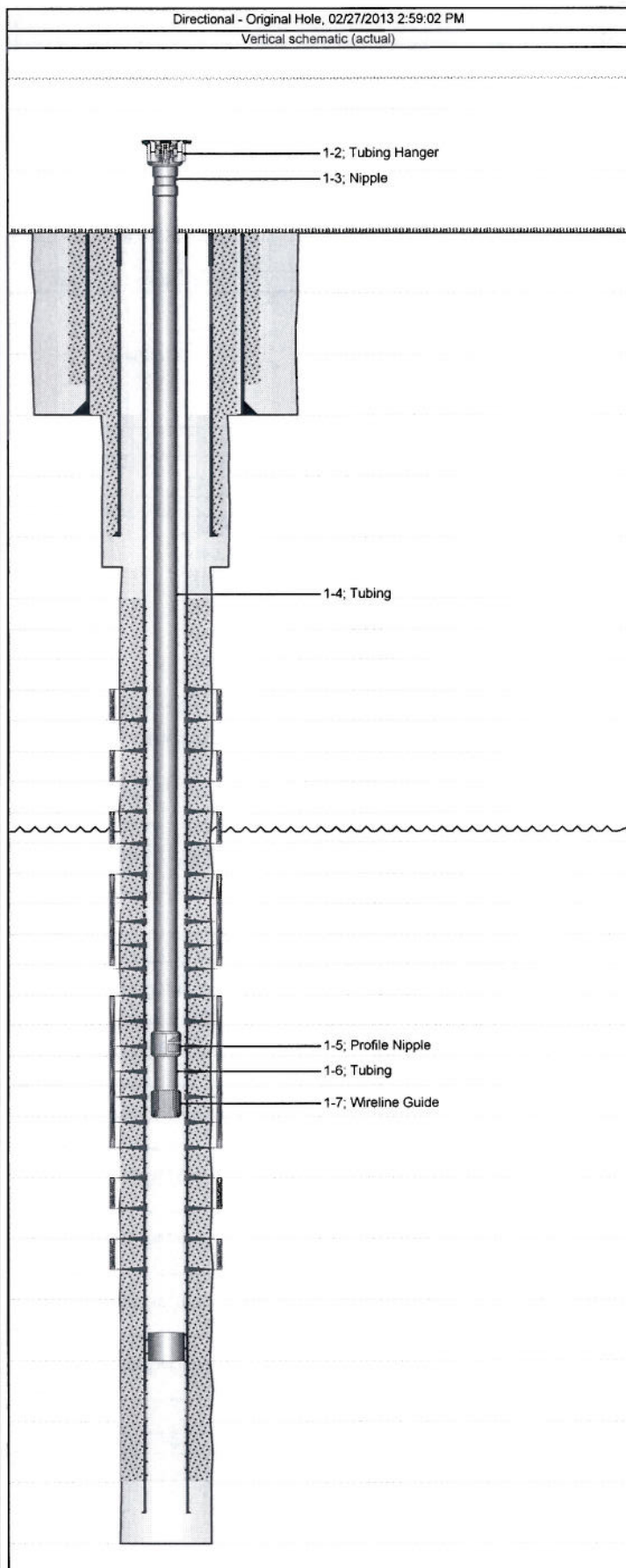


# Final Well Report Detailed (graphic)

Well Name: Shideler Fee 31-5C (K31E)

API # 05045216120000	Well Type Gas	Business Unit Southern Rockies	SBU South Piceance	Area Mamm Creek	Pad K31E	State CO	County/Parish GARFIELD
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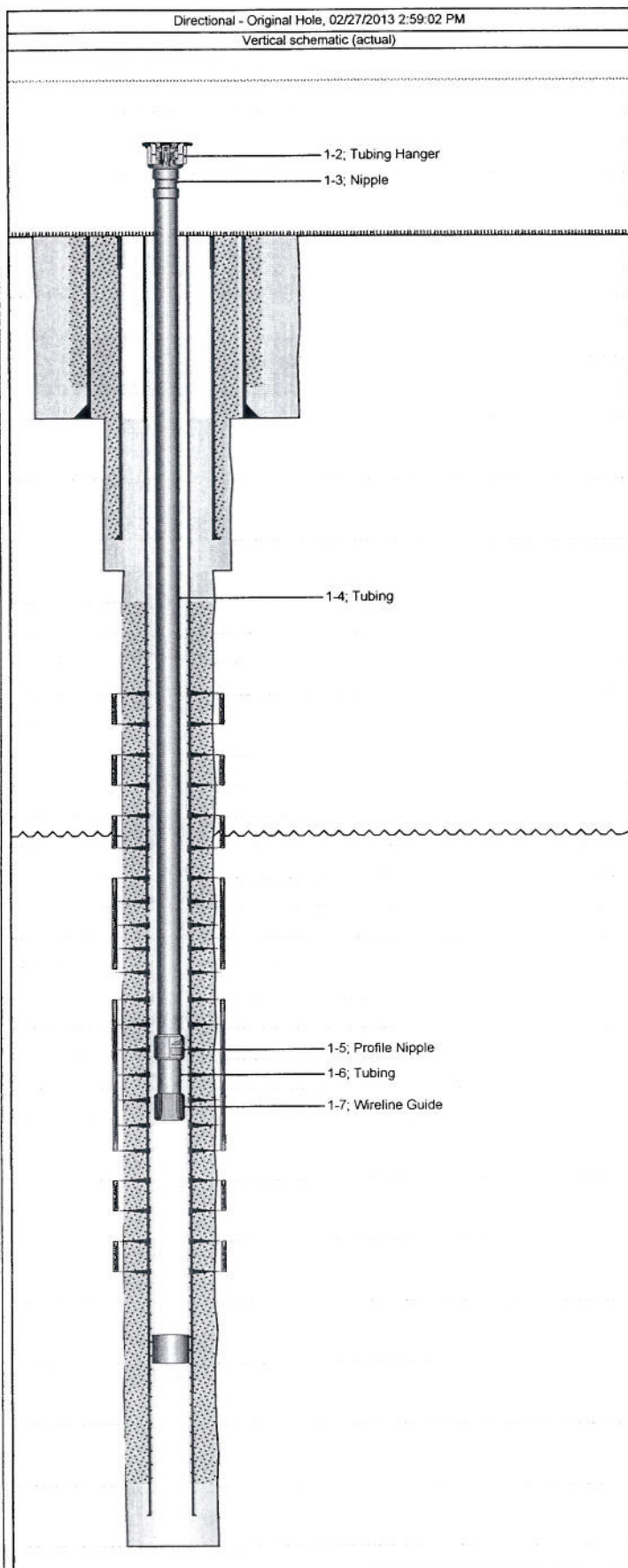
Well Header Setup						
Well Name Shideler Fee 31-5C (K31E)				API # 05045216120000		
Original KB Elevation (ft) 6,921.00		Ground Elevation (ft) 6,899.00		Spud Date 08/18/2012		Final Rig Relea. 10/24/2012
Surface Legal Location				Latitude (decimal) (*) 39.40174100		Longitude (decimal) (*) -107.70906400
Wellbore Sections Setup						
Wellbore Type Original Hole				Kick Off Depth (ftKB) 302.99		VS Dir (*) 302.99
Section Des		Hole Size (in)		Act Top (ftKB)		Act Btm (ftKB)
Conductor		26		22.0		62.0
Surface		12 1/4		62.0		1,548.0
Production		8 3/4		1,548.0		8,600.0
Plug Back Total Depths						
Date	Depth (ftKB)		Method		Com	
Casing Data						
Conductor						
Casing Description Conductor				Run Date 07/25/2012		Set Depth (ftKB) 62.0
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	
Casing Joints	16		42.00	A52A	40.00	
Surface						
Casing Description Surface				Run Date 08/19/2012		Set Depth (ftKB) 1,525.0
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	
Casing Joints	9 5/8	8.921	36.00	J55	19.69	
Other	9 5/8	8.921	36.00	J55	2.65	
Casing Pup Joint	9 5/8	8.921	36.00	J55	2.85	
Casing Joints	9 5/8	8.921	36.00	J-55	1,453.95	
Float Shoe	9 5/8	8.921			1.40	
Casing Joints	9 5/8	8.921	36.00	J-55	43.66	
Guide Shoe	9 5/8	8.921			0.80	
Production						
Casing Description Production				Run Date 10/23/2012		Set Depth (ftKB) 8,579.5
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	
Manderl	4 1/2	4.000	11.60	S-80	22.60	
Pup Joint	4 1/2	4.000	11.60	S-80	5.00	
Casing Joints	4 1/2	4.000	11.60	S-80	6,245.35	
Marker	4 1/2	4.000	11.60	S-80	21.55	
Casing Joints	4 1/2	4.000	11.60	S-80	985.84	
Marker	4 1/2	4.000	11.60	S-80	21.73	
Casing Joints	4 1/2	4.000	11.60	S-80	1,069.30	
Casing Joints	4 1/2	4.000	11.60	S-80	164.01	
Float Collar	4 1/2	4.000	11.60	S-80	1.45	
Casing Joints	4 1/2	4.000	11.60	S-80	41.20	
Float Shoe	4 1/2	4.000	11.60	S-80	1.50	
Cement Data						
Conductor, 62.0ftKB Proposed? No						
Description Conductor Cement		String Conductor, 62.0ftKB Proposed? No		Wellbore Original Hole		Type Casing
Stg # 1	Description Conductor			Top (ftKB) 22.0	Btm (ftKB) 40.0	Full Return? Yes
Sequence		Fluid Des		Amount (sacks)		Class
Fill		4 yards redi mix		40		
Surface, 1,525.0ftKB Proposed? No						
Description Surface Casing Cement		String Surface, 1,525.0ftKB Proposed? No		Wellbore Original Hole		Type Casing



# Final Well Report Detailed (graphic)

## Well Name: Shideler Fee 31-5C (K31E)

API #	Well Type	Business Unit	SBU	Area	Pad	State	County/Parish
05045216120000	Gas	Southern Rockies	South Piceance	Mamm Creek	K31E	CO	GARFIELD



Stg #	Description	Top (ftKB)	Btm (ftKB)	Full Return?
1	Surface	22.0	1,525.0	
Sequence	Fluid Des	Amount (sacks)	Class	
Lead	12.5 G Lead 124 bbls.)	330		
Tail	15.8 Class G (31bbls.)	149		

### Production, 8,579.5ftKB Proposed? No

Description	String	Wellbore	Type
Production Casing Cement	Production, 8,579.5ftKB Proposed? No	Original Hole	Casing

Stg #	Description	Top (ftKB)	Btm (ftKB)	Full Return?
1	Production Casing Cement	4,090.0	8,579.0	Yes
Sequence	Fluid Des	Amount (sacks)	Class	
Lead				
Spacer				
Lead		545	G	
Tail		425	G	
Displacement				

### Tubing Data

Tubing Description		Tubing Set Date	Set Depth (ftKB)
Tubing - Production		02/20/2013	7,622.4
Item Des	OD (in)	ID (in)	Len (ft)
Depth Correction	0.0	0.000	20.00
Tubing Hanger	4 1/16	1.940	0.82
Nipple	2.594	1.995	0.68
Tubing	2 3/8	1.995	7,566.56
Profile Nipple	3 1/16	1.810	0.97
Tubing	2 3/8	1.995	32.42
Wireline Guide	3 1/16	1.995	0.92

### 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		
Cur Stat Date	Current Status	Formation(s)	

### Perforation Data

Stage #	Type	Top Depth (ftKB)	Bottom Depth (ftKB)	Zone
7	Perforated	6,320.0	6,601.0	Original Migration, Original Hole
6	Perforated	6,720.0	6,937.0	Original Migration, Original Hole
5	Perforated	6,966.0	7,195.0	Original Migration, Original Hole
4	Perforated	7,230.0	7,465.0	Original Migration, Original Hole
3	Perforated	7,500.0	7,741.0	Original Migration, Original Hole
2	Perforated	7,770.0	7,971.0	Original Migration, Original Hole
1	Perforated	8,028.0	8,295.0	Original Migration, Original Hole

### Other In Hole

OD (in)	Des	Top (ftKB)	Btm (ftKB)	ID (in)	Make	Model
3 3/4	Btm 1/2 POBS & 3 3/4" Hurricane bit	8,462.0	8,463.0	0.000		