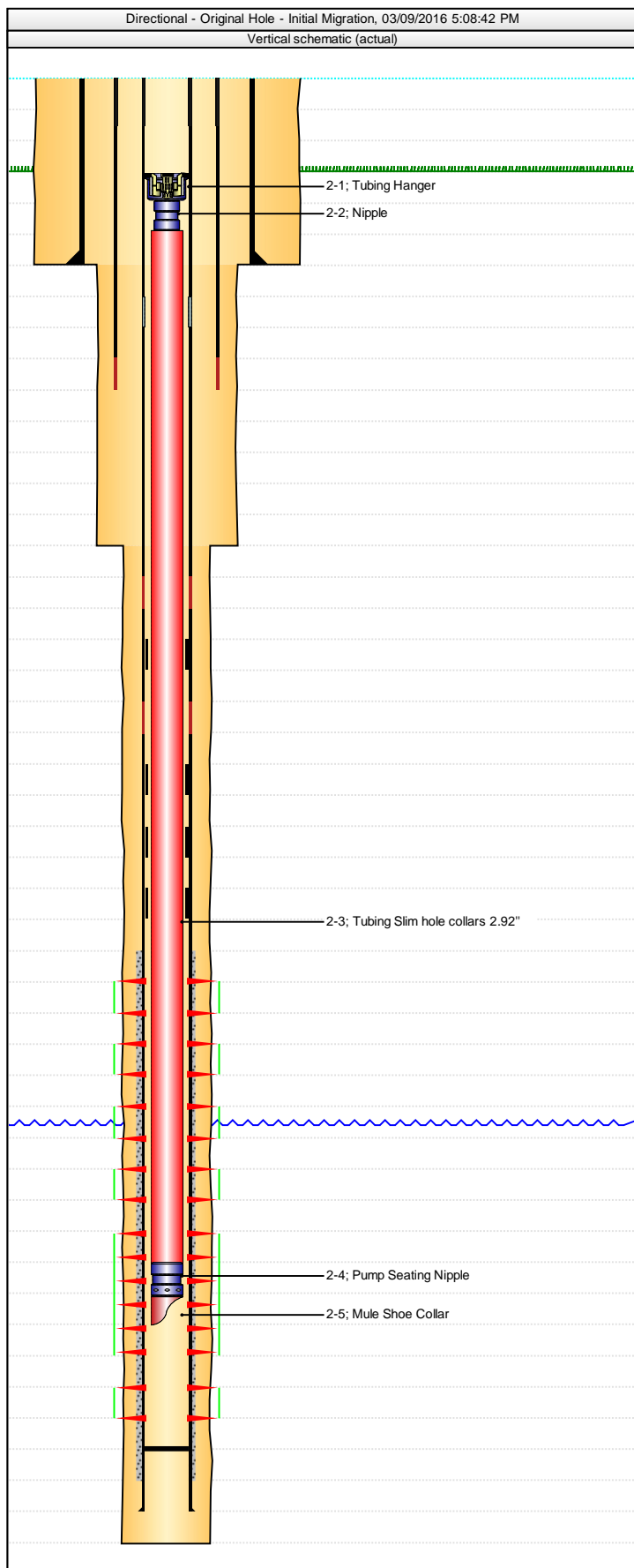




Final Well Report Detailed (graphic)

Well Name: Couey 24-12 (H23W)

API #	Well Type	Operating Region	Division	Area	Pad	State	County/Parish
05045146540000	Gas	Western Ops	Piceance	Mamm Creek	H23W	CO	GARFIELD



Well Header Setup

Well Name		API #	
Couey 24-12 (H23W)		05045146540000	
Original KB Elevation (ft)	Ground Elevation (ft)	Spud Date	Final Rig Relea..
6,568.24	6,548.56	12/16/2007	01/03/2008
Surface Legal Location		Latitude (decimal) (°)	Longitude (decimal) (°)
		39.43163000	107.73329000

Wellbore Sections Setup

Wellbore Type		Kick Off Depth (ftKB)	VS Dir (°)
Original Hole - Initial Migration			138.73
Section Des	Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)
Conductor	24	0.0	40.0
Surface	12 1/4	40.0	974.0
Production	7.785	974.0	8,318.0

Plug Back Total Depths

Date	Depth (ftKB)	Method	Com
05/17/2008	8,110.0		

Casing Data

Conductor

Casing Description			Run Date		Set Depth (ftKB)	
Conductor			11/14/2007		40.0	
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	
Casing Joints	16		42.00		40.00	

Surface

Casing Description			Run Date		Set Depth (ftKB)	
Surface			12/19/2007		958.0	
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	
Shoe	9 5/8	8.921	36.00	K-55	1.50	
Casing Joints	9 5/8	8.921	36.00	J55	927.65	
Casing Pup Joint	9 5/8	8.921	36.00	J55	2.92	
Casing Joints					0.33	
Other					1.63	
Casing Joints					24.00	

Production

Casing Description			Run Date		Set Depth (ftKB)
Production			01/02/2008		8,303.7
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Shoe	4 1/2	4.000	11.60		1.50
Casing Joints	4 1/2	4.000	11.60	I-80	42.12
Float Collar	4 1/2	4.000	11.60		1.50
Casing Joints	4 1/2	4.000	11.60	I-80	1,306.93
Marker Joint	4 1/2	4.000	11.60	I-80	16.00
Casing Joints	4 1/2	4.000	11.60	I-80	885.42
Marker Joint	4 1/2	4.000	11.60	I-80	20.91
Casing Joints	4 1/2	4.000	11.60	I-80	6,029.34

Cement Data

Conductor, 40.0ftKB Proposed? No

Description Conductor Cement		String Conductor, 40.0ftKB Proposed? No	Wellbore Original Hole - Initial Migration		Type Casing
Stg # 1	Description Conductor		Top (ftKB)	Btm (ftKB) 40.0	Full Return? Yes
Sequence		Fluid Des		Amount (sacks)	Class
Fill		4 Yards Redi-Mix			

Surface, 958.0ftKB Proposed? No

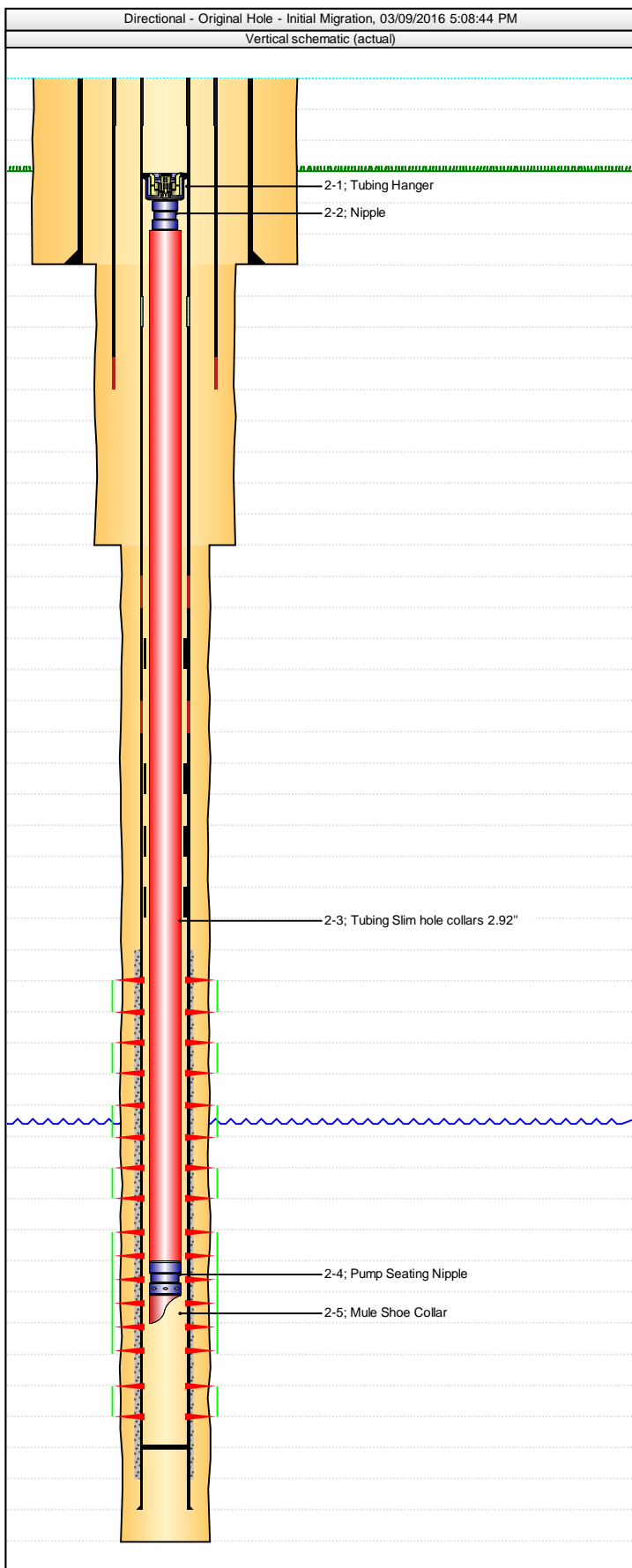
Description		String	Wellbore	Type	
Surface Casing Cement		Surface, 958.0ftKB Proposed? No	Original Hole - Initial Migration	Casing	
Stg #	Description	Top (ftKB)	Btm (ftKB)	Full Return?	
1	Surface		953.0		
Sequence		Fluid Des		Amount (sacks)	Class
Fill		G		520	



Final Well Report Detailed (graphic)

Well Name: Couey 24-12 (H23W)

API #	Well Type	Operating Region	Division	Area	Pad	State	County/Parish
05045146540000	Gas	Western Ops	Piceance	Mamm Creek	H23W	CO	GARFIELD



Cement Data

Production, 8,303.7ftKB Proposed? No

Description Production Casing Cement		String Production, 8,303.7ftKB Proposed? No	Wellbore Original Hole - Initial Migration	Type Casing	
Stg # 1	Description Production		Top (ftKB) 5,304.0	Btm (ftKB) 8,298.0	Full Return?
Sequence		Fluid Des		Amount (sacks)	Class
Lead		TXI		560	

Tubing Data

Tubing Description		Tubing Set Date	Set Depth (ftKB)
Tubing from Migration		05/07/2008	7,138.5
Item Des	OD (in)	ID (in)	Len (ft)
Tubing Hanger	4 1/16	2.375	0.83
Pup Joint	2 3/8	1.940	0.68
Tubing	2 3/8	1.995	7,084.29
Nipple - Profile	3 1/16	1.812	0.86
Tubing	2 3/8	1.995	32.90
Re-Entry Guide	3 1/16	1.000	0.63
Junk in Hole	3 3/4		1.27

Tubing Description		Tubing Set Date	Set Depth (ftKB)
Tubing - Production		02/17/2016	7,162.2
Item Des	OD (in)	ID (in)	Len (ft)
Tubing Hanger	4 1/16	1.995	0.85
Nipple	2 3/8	1.995	0.69
Tubing Slim hole collars 2.92"	2.92	1.995	7,139.43
Pump Seating Nipple	2.92	1.781	1.10
Mule Shoe Collar	2.92	2.594	0.40

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
6		6,082.0	6,313.0	Original Migration, Original Hole - Initial Migration
5		6,360.0	6,553.0	Original Migration, Original Hole - Initial Migration
4		6,594.0	6,820.0	Original Migration, Original Hole - Initial Migration
3		6,872.0	7,096.0	Original Migration, Original Hole - Initial Migration
2		7,156.0	7,332.0	Original Migration, Original Hole - Initial Migration
1		7,530.0	7,784.0	Original Migration, Original Hole - Initial Migration

Other In Hole

OD (in)	Des	Top (ftKB)	Btm (ftKB)	ID (in)	Make	Model
3.8	Csg. patch	3,470.0	3,501.9	3.375	Owen	X-span
3.8	Csg. patch	2,189.5	2,201.4	3.375	Owen	X-span



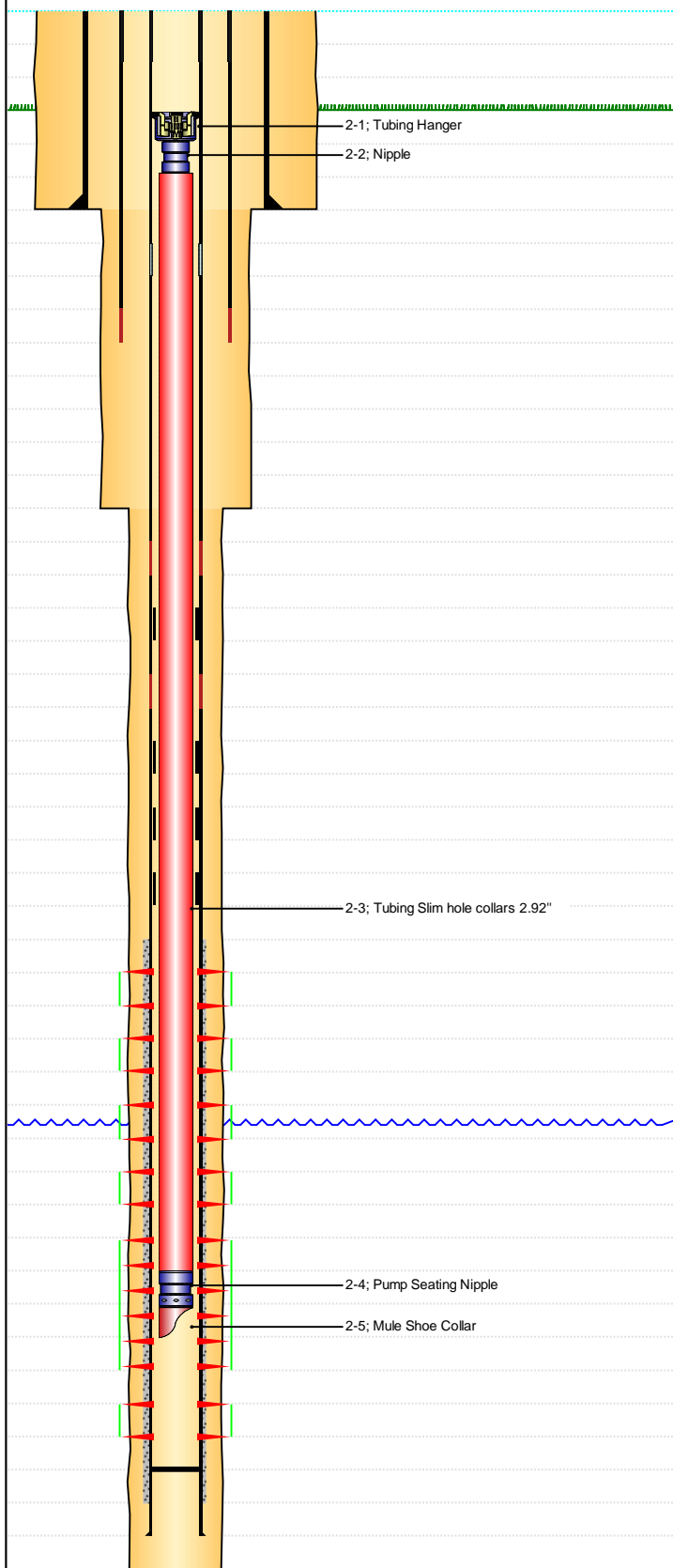
Final Well Report Detailed (graphic)

Well Name: Couey 24-12 (H23W)

API #	Well Type	Operating Region	Division	Area	Pad	State	County/Parish
05045146540000	Gas	Western Ops	Piceance	Mamm Creek	H23W	CO	GARFIELD

Directional - Original Hole - Initial Migration, 03/09/2016 5:08:44 PM

Vertical schematic (actual)



Other In Hole

OD (in)	Des	Top (ftKB)	Btm (ftKB)	ID (in)	Make	Model
3.8	Csg. patch	2,320.0	2,331.9	3.375	Owen	X-span
3.8	Csg. patch	3,066.0	3,107.9	3.375	Owen	X-span

Wellhead Description

Install Date	Type	Make	Size (in)	WP (psi)	
Make	Model	Section	Top Sz (in)	Btm Sz (in)	WP (psi)

Schematic Annotations

Depth (ftKB)	Annotation

General Notes

Date	Com