

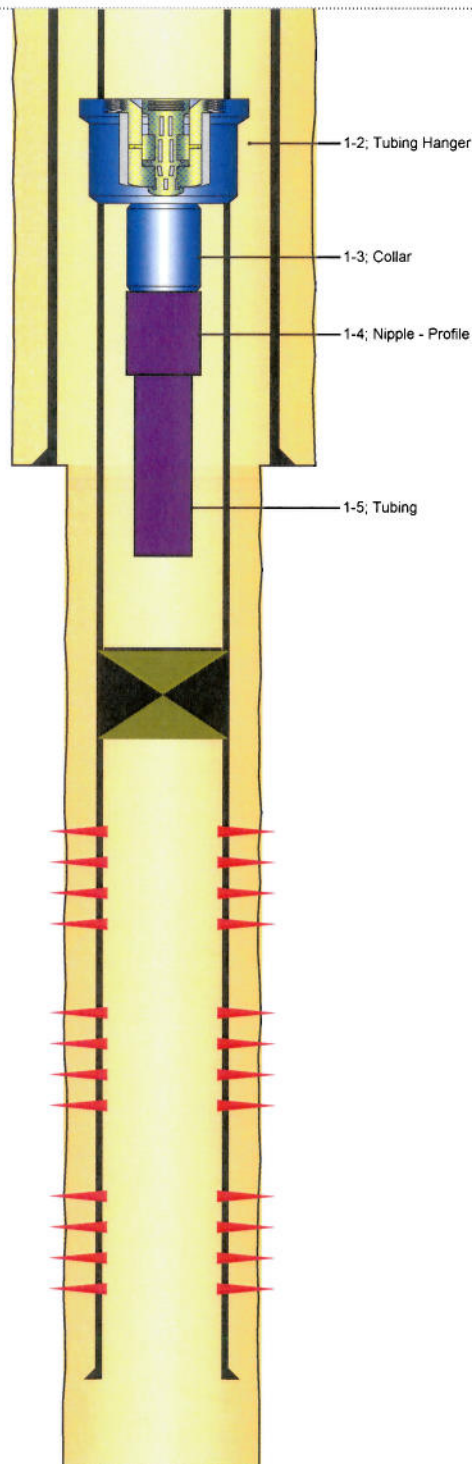
Final Well Report Detailed (graphic)

Well Name: Thomas 18-1

API # 05077081010000	Well Type Gas	Business Unit Southern Rockies	SBU South Piceance	Area Plateau	Pad PL18SE	State CO	County/Parish MESA
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Vertical - Original Hole - Initial Migration, 10/11/2012 3:10:25 PM

Vertical schematic (actual)



Well Header Setup

Well Name Thomas 18-1		API # 05077081010000	
Original KB Elevation (ft) 12,375.33	Ground Elevation (ft) 6,187.66	Spud Date 06/30/1977	Final Rig Relea...
Surface Legal Location		Latitude (decimal) (*) 39.18357000	Longitude (decimal) (*) 108.03263000

Wellbore Sections Setup

Wellbore Type Original Hole - Initial Migration		Kick Off Depth (ftKB)	VS Dir (*)	
Section Des	Hole Size (in)	Act Top (ftKB)	Act Btm (ftKB)	
Surface	12 1/4	0.0	244.0	
Production	7 7/8	244.0	4,953.0	

Plug Back Total Depths

Date	Depth (ftKB)	Method	Com
09/21/2012	3,816.0	Wireline	

Casing Data

Surface

Casing Description Surface			Run Date		Set Depth (ftKB) 244.0	
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	
Casing Joints	9 5/8	8.835	40.00		244.00	

Production

Casing Description Production			Run Date		Set Depth (ft)KB 4,593.0	
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	
Casing Joints	5 1/2	4.950	15.50		4,593.00	

Cement Data

<String?>

Description		String	Wellbore		Type
Stg #	Description		Top (ftKB)	Btm (ftKB)	Full Return?
Sequence		Fluid Des		Amount (sacks)	Class

Tubing Data

Tubing Description Tubing from Migration		Tubing Set Date 01/31/2007	Set Depth (ftKB) 3,812.0
Item Des	OD (in)	ID (in)	Len (ft)
			15.00
Tubing Hanger	7	1.940	0.76
Collar	3 1/16	2.594	0.40
Nipple - Profile	3 1/16	1.810	0.91
Tubing	2 3/8	1.995	3,797.20

Rod Data

Rod Description	Run Date	Set Depth (ftKB)
Item Des	OD (in)	Len (ft)

Zones

Zone Name Original Migration		Wellbore Original Hole - Initial Migration	Top Depth (ftKB)	Btm (ftKB)
Cur Stat Date	Current Status	Formation(s)		

Perforation Data

Stage #	Type	Top Depth (ftKB)	Bottom Depth (ftKB)	Zone Original Migration, Original Hole - Initial Migration
Stage #	Type	Top Depth (ftKB)	Bottom Depth (ftKB)	Zone Original Migration, Original Hole - Initial Migration
Stage # 1	Type	Top Depth (ftKB)	Bottom Depth (ftKB)	Zone Original Migration, Original Hole - Initial Migration