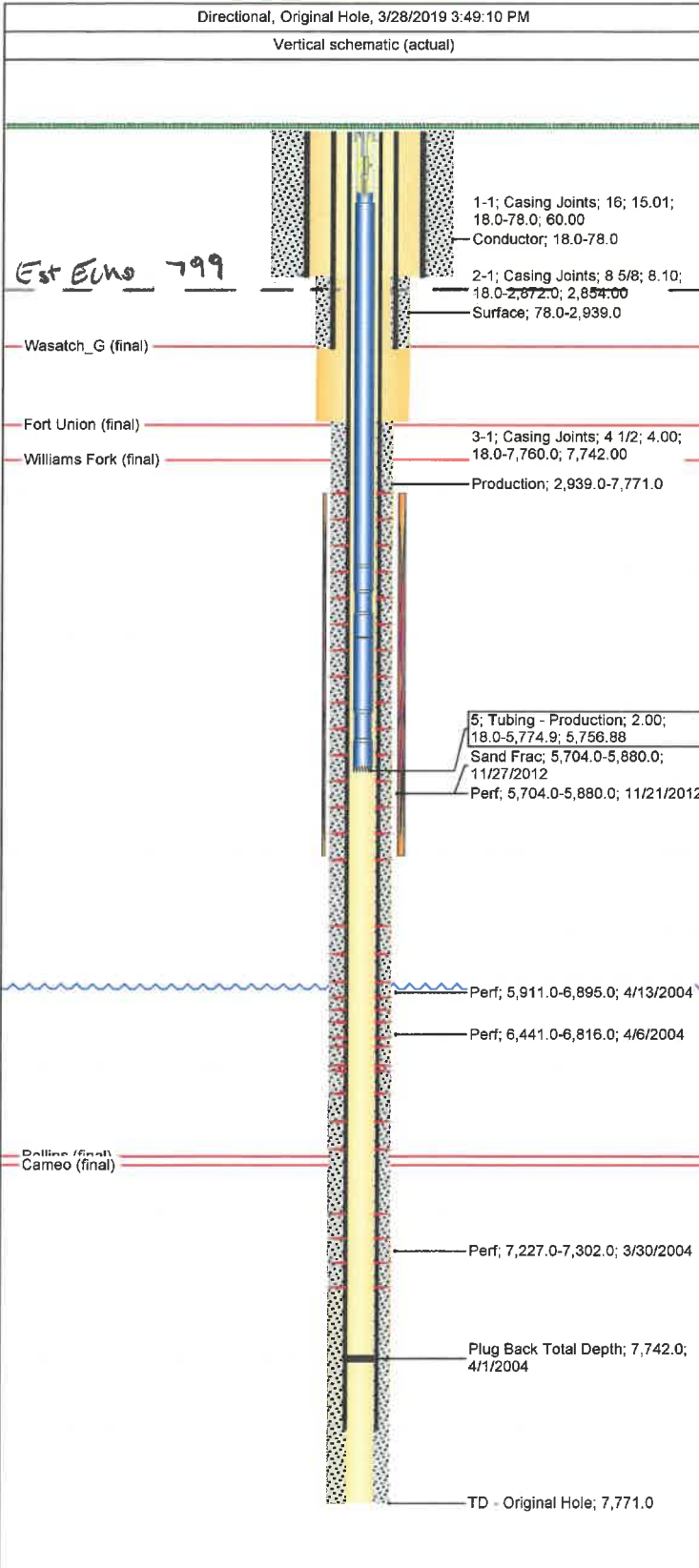




Caerus COGCC Wellbore Diagram

Well Name: Chevron 13-7D

API/UWI 05045090180000	Surface Legal Location NWSW 7 6S 96W	Field Name Grand Valley	License #	State/Province CO	Well Configuration Type Directional
Original KB Elevation (ft) 6,372.00	KB-Tubing Head Distance (ft)	Spud Date 8/22/2003 19:00	Rig Release Date 12/3/2003 12:30	PSTP (All) (ftKB) Original Hole - 7,742.0	Total Depth All (TVD) (ftKB) Original Hole - 7,766.8



Casing Strings

Csg Des	Wellbore Size (in)	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (ftKB)
Conductor	24	16	84.00	J-55		78.0
Surface	12 1/4	8 5/8	24.00	J-55		2,872.0
Production	7 7/8	4 1/2	11.60	N-80		7,760.0

Perforations

Date	Top (ftKB)	Btm (ftKB)	Linked Zone
11/21/2012	5,704.0	5,880.0	Williams Fork, Original Hole
4/13/2004	5,911.0	6,895.0	Williams Fork, Original Hole
4/6/2004	6,441.0	6,816.0	Williams Fork, Original Hole
3/30/2004	7,227.0	7,302.0	Williams Fork, Original Hole

Cement Stages

1, 18.0-78.0ftKB

Description	String	Start Date	End Date	Top Depth (ftKB)	Btm (ftKB)
Conductor Casing Cement	Conductor, 78.0ftKB	8/22/2003		18.0	78.0

Cement Fluids

Fluid Type	Amount (sacks)	Yield (ft ³ /sack)
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2, 78.0-2,872.0ftKB

Description	String	Start Date	End Date	Top Depth (ftKB)	Btm (ftKB)
Surface Casing Cement	Surface, 2,872.0ftKB	11/14/2003		78.0	2,872.0

Cement Fluids

Fluid Type	Amount (sacks)	Yield (ft ³ /sack)
	450	2.31

3, 2,939.0-7,771.0ftKB

Description	String	Start Date	End Date	Top Depth (ftKB)	Btm (ftKB)
Production Casing Cement	Production, 7,760.0ftKB	12/2/2003		2,939.0	7,771.0

Cement Fluids

Fluid Type	Amount (sacks)	Yield (ft ³ /sack)
Tail	900	1.29

Formations

Formation Name	Final Top MD (ftKB)	Prog Top MD (ftKB)
Wasatch_G	2,750.0	
Fort Union	3,092.0	
Williams Fork	4,420.0	
Rollins	6,960.0	
Cameo	7,000.0	

Echometer Test Data

Date	Upkick Depth (ft)	Downkick Depth	Diagnosis
2/7/2019		799.00	Shot estimates fluid level on Bradenhead



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Original KB Elevation (ft) 6,372.00	KB-Tubing Head Distance (ft)	Spud Date 8/22/2003 19:00	Rig Release Date 12/3/2003 12:30	PBTD (AP) (RKB) Original Hole - 7,742.0	Total Depth All (TVD) (RKB) Original Hole - 7,766.8

Directional, Original Hole, 3/28/2019 3:49:10 PM

Vertical schematic (actual)

Tubing Strings

Tubing Description Tubing - Production		Run Date 2/25/2013	String Length (ft) 5,756.88	Set Depth (ft)(B) 5,774.9				
Item Des		Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Tubing Hanger		1			2 3/8			0.70
Tubing		1 8 3		T&C Upset	2 3/8	4.70	J-55	5,722.00
Nipple		1			2 3/8			0.83
Tubing		1		T&C Upset	2 3/8	4.70	J-55	32.95
Notched collar		1			2 3/8			0.40

