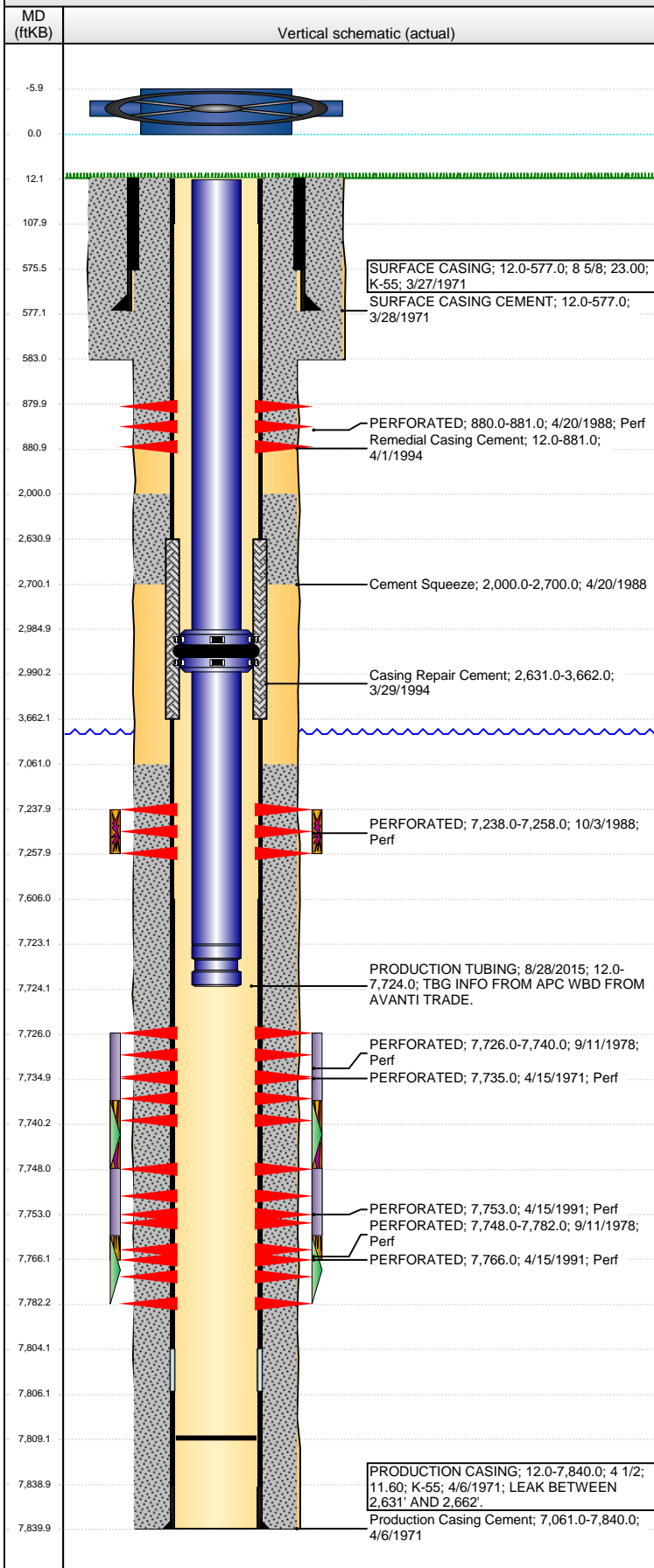


Well Name: CUSHMAN GRACE UT 1

VERTICAL - ORIGINAL HOLE, 1/20/2016 3:48:08 PM



Well Header

API 05-123-07283	Business Unit DJ BASIN	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,762.00	KB - GL / MSL (ftKB) 12.00	Spud Date 3/27/1971	P & A Date

Comment

Was mentioned that they missed the Codell Perfs and Perf'd the Ft Hays/Codell 7238-7258. Production reported to state as Codell and J.

Directions To Well

HWY 85 TO COLO. 60, NORTH TO RD 42, EAST 1/4 MILE, NORTH TO LOCATION. (DIRECTIONS FROM AVANTI FILE - MAY NOT BE ACCURATE)

Congressional Location

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Township	Twnshp N...	Range	Rng E/W Dir
		SW	SW	20	4	N	66	W

Bottom Hole Location

North-South Distance (ft)	From N or S Line	East-West Distance (ft)	From E or W Line

Plug Back Total Depths

Date	Depth (ftKB)	Method	Com
4/8/1971	7,804.0	Float Collar	
10/4/1988	7,061.0	CASED HOLE LOG	
1/26/1994	7,809.0	TAG	

Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	12.0	583.0
PRODUCTION	7 7/8	583.0	7,840.0

Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
CODELL	11/5/1988	PR	Oil	RECOMPLET...	
FORT HAYS	5/12/1971	PR	Gas	DRILLING/CO...	

Casing Strings

SURFACE CASING, 577.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
SURFACE CASING	3/27/1971	8 5/8	23.00	K-55	12.0	577.0

PRODUCTION CASING, 7,840.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
PRODUCTION CASING	4/6/1971	4 1/2	10.50	K-55	12.0	7,840.0

Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	12.0	577.0
Production Casing Cement	7,061.0	7,840.0
Cement Squeeze	2,000.0	2,700.0
Casing Repair Cement	2,631.0	3,662.0
Remedial Casing Cement	12.0	881.0

Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
PRODUCTION TUBING	8/28/2015	2 3/8	1.995	4.70	J-55	7,712.00	

Tubing Components

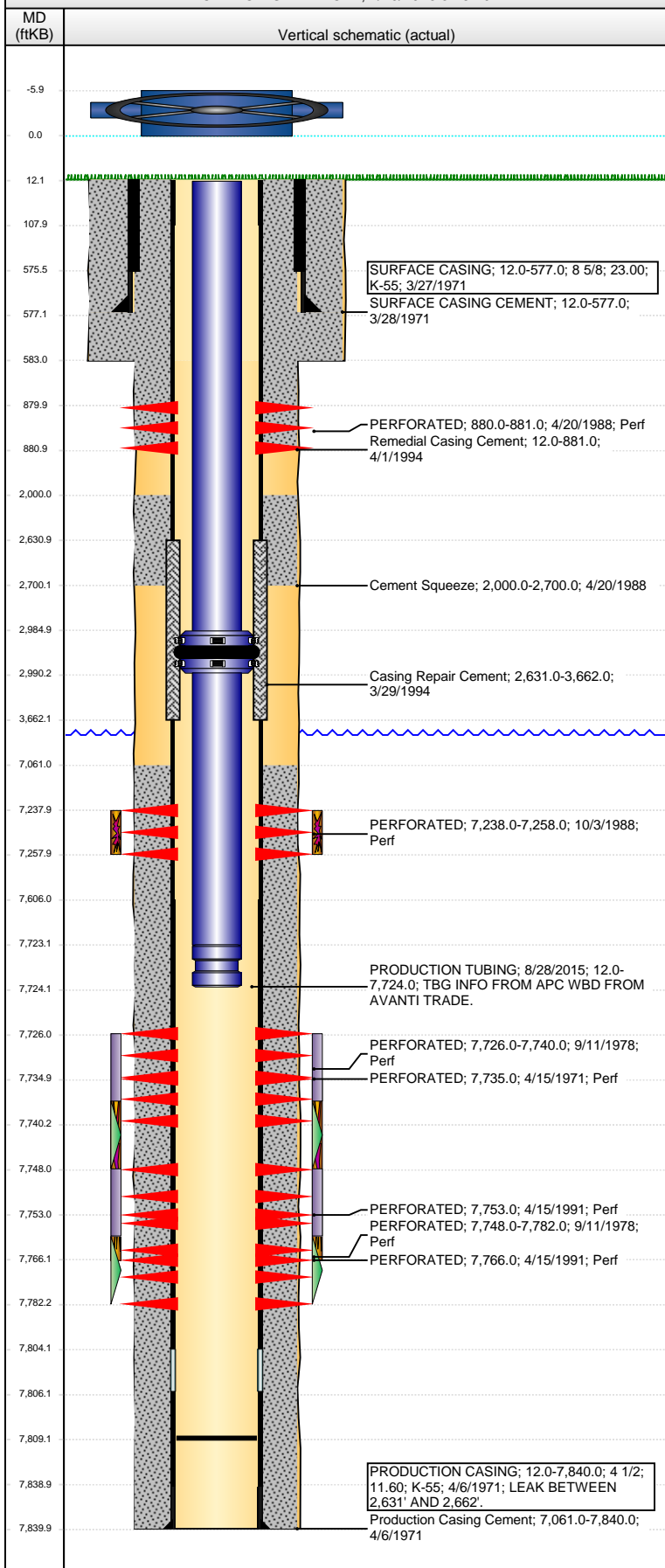
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
EUE 8rd Tubing	2 3/8	4.70	J-55	94	2,973.00	2,985.0	
Packer	3 1/2			1	5.00	2,990.0	
EUE 8rd Tubing	2 3/8	4.70	J-55	150	4,733.00	7,723.0	
Seating Nipple	2 3/8			1	1.00	7,724.0	

Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
		6	880.00	881.00	4/20/1988
CODELL, ORIGINAL HOLE			7,238.00	7,258.00	10/3/1988
J SAND, ORIGINAL HOLE			7,726.00	7,740.00	9/11/1978
J SAND, ORIGINAL HOLE		3	7,735.00	7,735.00	4/15/1971
J SAND, ORIGINAL HOLE			7,748.00	7,782.00	9/11/1978
J SAND, ORIGINAL HOLE		3	7,753.00	7,753.00	4/15/1991
J SAND, ORIGINAL HOLE		3	7,766.00	7,766.00	4/15/1991

Well Name: CUSHMAN GRACE UT 1

VERTICAL - ORIGINAL HOLE, 1/20/2016 3:48:10 PM



Stimulations & Treatments					
Date	Zone	Primary Job Type			
4/16/1971	FORT HAYS, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL			
Technical Result		Tech Result Details		Tech Result Note	
Comment					
THEY ORIGINALLY THOUGHT THEY WERE COMPLETING THE CODELL FORMATION BUT LATER LEARNED IT WAS THE FORT HAYS FORMATIONS.					
Date	Zone	Primary Job Type			
9/12/1978	FORT HAYS, ORIGINAL HOLE	ACID TREATMENT			
Technical Result		Tech Result Details		Tech Result Note	
Comment					
Date	Zone	Primary Job Type			
10/10/1988	CODELL, ORIGINAL HOLE	RECOMPLETION			
Technical Result		Tech Result Details		Tech Result Note	
Comment					
Other In Hole					
Run Date	Des		OD (in)	Top (ftKB)	Btm (ftKB)
Logs					
Date	Type			Top, MD (ftKB)	Btm, MD (ftKB)
4/6/1971	CBL/CCL/GR				
4/13/1971	GAMMA RAY			7,650.0	7,804.0