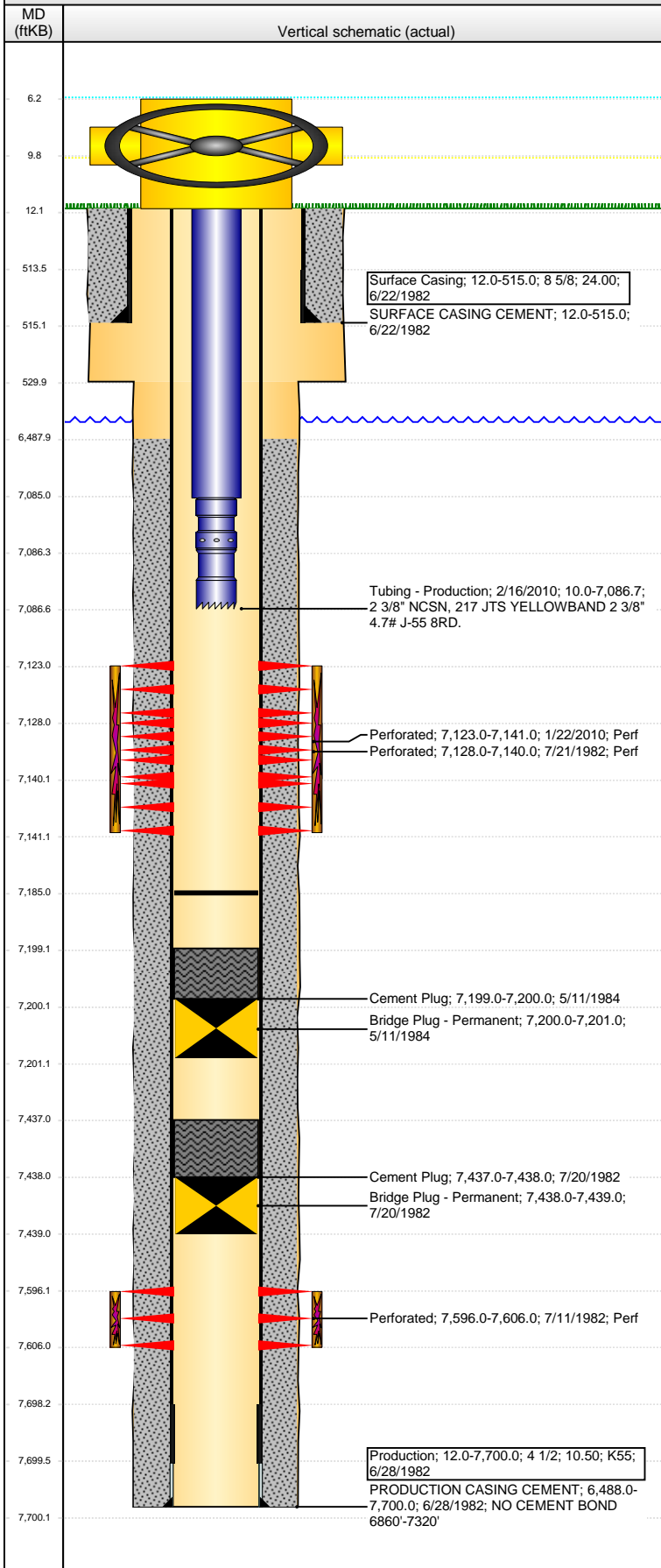


Well Name: CROISSANT 01-27

VERTICAL - ORIGINAL HOLE, 9/1/2015 3:29:10 PM



Well Header

API 05-123-10740	Business Unit DJ BASIN	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,723.00	KB - GL / MSL (ftKB) 12.00	Spud Date 6/22/1982	P & A Date

Comment

NO CEMENT BOND 6860'-7320', CIBP @ 7200' & 7438', TIGHT 7138'

Directions To Well

O STREET & 59TH AVE, N 4/10, E 1/10, N INTO.

Congressional Location

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Township	Twnshp N...	Range	Rng E/W Dir
		SW	NW	27	6	N	66	W

Bottom Hole Location

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

Date	Depth (ftKB)	Method	Com
7/10/1982	7,630.0	CASED HOLE LOG	CBL
2/16/2010	7,185.0	TBG TALLY	C/O TO HERE HARD TAG.

Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	12.0	530.0
PRODUCTION	7 7/8	530.0	7,700.0

Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
J SAND	7/20/1982	AB		DRILLING/CO...	
CODELL	7/25/1982	PR		DRILLING/CO...	
CODELL	3/22/2010	PR		RE-FRAC, 1/20...	

Casing Strings

Surface Casing, 515.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Surface Casing	6/22/1982	8 5/8	24.00		12.0	515.0

Production, 7,700.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	6/28/1982	4 1/2	10.50	K55	12.0	7,700.0

Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	12.0	515.0
PRODUCTION CASING CEMENT	6,488.0	7,700.0
Cement Plug	7,437.0	7,438.0
Cement Plug	7,199.0	7,200.0

Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	1/9/2004	2 3/8	1.867	4.70	N-80	7,103.65	
Tubing - Frac string	1/22/2010	2 7/8	2.441	6.50	N-80	7,064.31	
Tubing - Production	2/16/2010	2 3/8	1.995	4.70	J-55	7,076.66	

Tubing Components

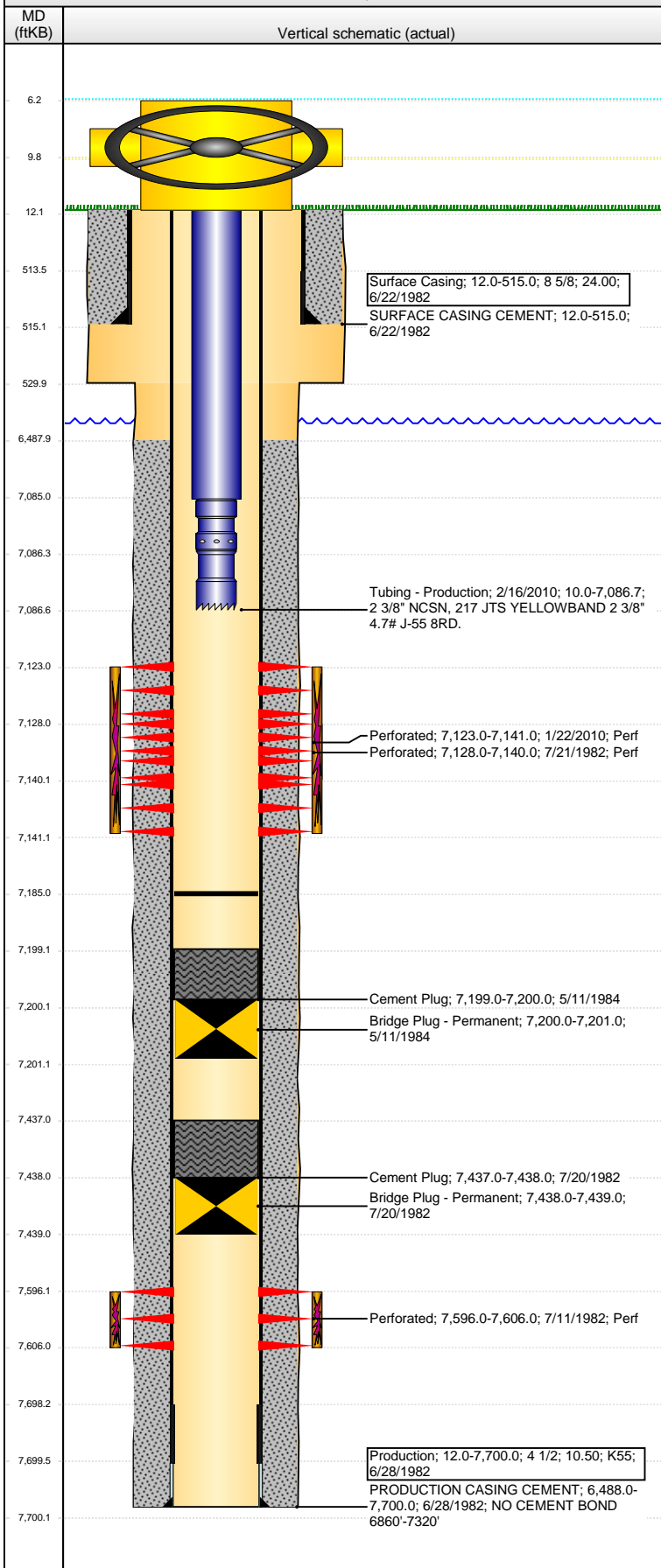
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
Tubing	2 3/8	4.70	J-55	217	7,075.01	7,085.0	
Seating Nipple	2	5.40	J-55	1	1.20	7,086.2	
Notched collar	2		J-55	1	0.45	7,086.7	

Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
CODELL, ORIGINAL HOLE		36	7,123.00	7,141.00	1/22/2010
CODELL, ORIGINAL HOLE		12	7,128.00	7,140.00	7/21/1982
J SAND, ORIGINAL HOLE		21	7,596.00	7,606.00	7/11/1982

Well Name: CROISSANT 01-27

VERTICAL - ORIGINAL HOLE, 9/1/2015 3:29:13 PM



Stimulations & Treatments

Date	Zone	Primary Job Type
7/12/1982	J SAND, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL
Technical Result		
Tech Result Details		
Tech Result Note		
Comment		
Date	Zone	Primary Job Type
7/24/1982	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL
Technical Result		
Tech Result Details		
Tech Result Note		
Comment		
Date	Zone	Primary Job Type
2/10/2010	CODELL, ORIGINAL HOLE	RE-FRAC
Technical Result		
Success		
Tech Result Details		
According to Plan		
Tech Result Note		
Comment		
REFRAC OF CODELL FORMATION USING BJS VISTAR 28 VIA FRAC STRING W/ PACKER. BACKSIDE TOOK 41 BBLS TO LOAD. DUE TO LOW 5-MIN PSI, RATE WAS INCREASED TO 18 BPM AND GEL LOADING WAS INCREASED TO 7 GPT TO RAISE GEL TO 28 PPT AND KEPT THROUGHOUT JOB. TOWARDS END OF 4 PPA STAGE, RATE WAS BRIEFLY AFFECTED BY A PUMP WHICH WAS TAKEN OFFLINE AND REPLACED AFTER IT LOST ITS PACKING. PRESSURE RESPONSE TRENDED POSITIVE (NOLTE = + 0.4)		

Other In Hole

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)
7/20/1982	Bridge Plug - Permanent	4.04	7,438.0	7,439.0
5/11/1984	Bridge Plug - Permanent	4.04	7,200.0	7,201.0

Logs

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
6/28/1992	Compensated Density	6,700.0	7,689.0
6/28/1992	COMPUTER PROCESSED LOG	6,700.0	7,690.0
6/28/1992	Induction	513.0	7,686.0
7/10/1992	Cement Bond	6,350.0	7,628.0