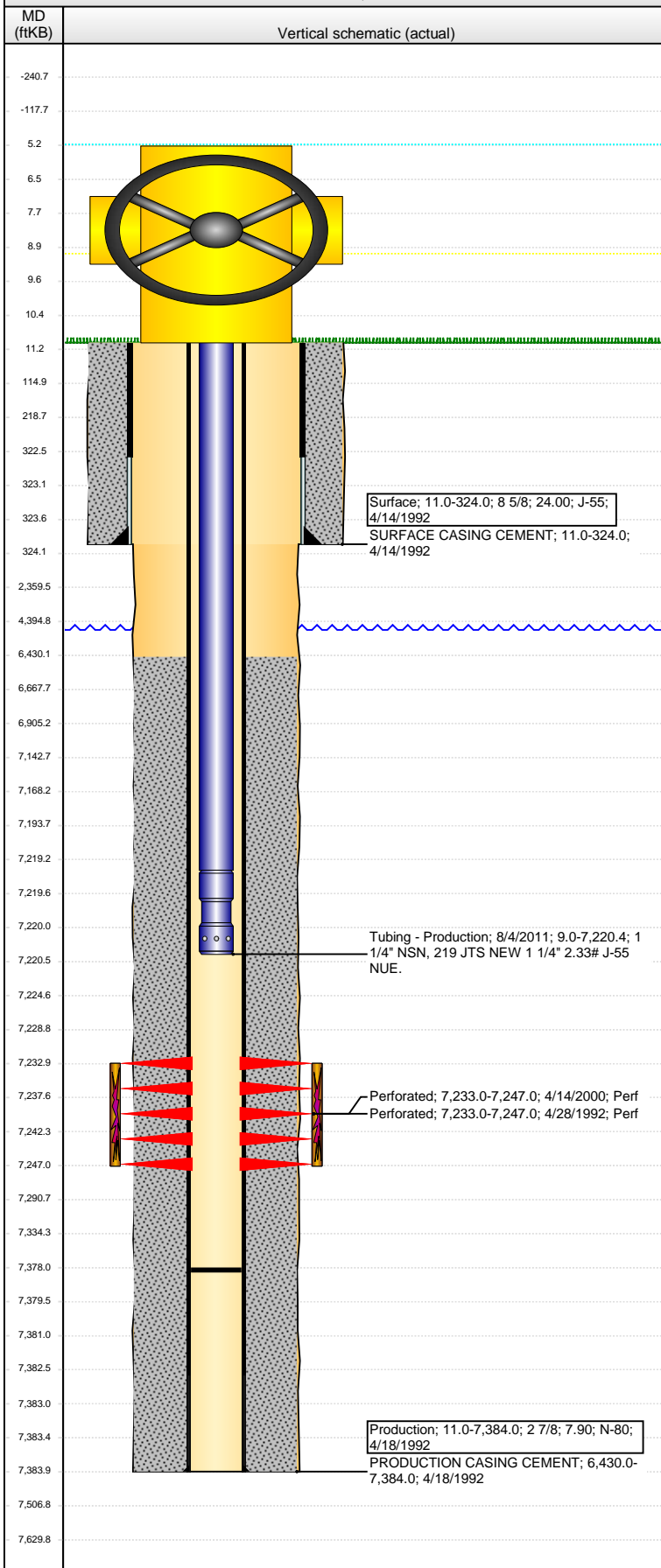


Well Name: MANTEL J23-15

VERTICAL - ORIGINAL HOLE, 1/22/2015 9:53:52 AM



Well Header

API	Business Unit	District	Well Config
05-123-15608	DJ BASIN	15	VERTICAL
Original KB Elevation (ft)	KB - GL / MSL (ftKB)	Spud Date	P & A Date
4,801.00	11.00	4/14/1992	

Comment

Directions To Well

GREELEY, 37ST AND STAMPED DRIVE, NORTH TO TUMBLEWEED DR, EAST200', NE INTO.

Congressional Location

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Township	Twnshp N...	Range	Rng E/W Dir
		SW	SE	23	5	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
4/18/1992	7,358.0	TAG	
5/31/2006	7,378.0	TAG	

Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	11.0	324.0
PRODUCTION	7 7/8	324.0	7,384.0

Zone Statuses

Zone Name	Status Date	Status	Job
CODELL	5/14/1992	PR	DRILLING/COMPLETION - ORIGINAL, 4/14/1992 00:00
CODELL	4/18/2000	PR	RE-FRAC, 4/11/2000 00:00
CODELL	7/31/2006	PR	TRI-FRAC, 5/30/2006 00:00

Casing Strings

Surface, 324.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Surface	4/14/1992	8 5/8	24.00	J-55	11.0	324.0

Production, 7,384.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	4/18/1992	2 7/8	7.90	N-80	11.0	7,384.0

Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	11.0	324.0
Description	Top Depth (ftKB)	Bottom Depth (ftKB)
PRODUCTION CASING CEMENT	6,430.0	7,384.0

Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing	6/26/2006	1.66	1.380	2.33	J-55	7,212.00	
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	8/4/2011	1.66	1.380	2.33	J-55	7,211.38	

Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
Tubing	1.66	2.33	J-55	219	7,210.28	7,219.3	
Notched Seating Nipple	1.66		J-55	1	1.10	7,220.4	

Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
CODELL, ORIGINAL HOLE		56	7,233.00	7,247.00	4/28/1992
CODELL, ORIGINAL HOLE		60	7,233.00	7,247.00	4/14/2000

Stimulations & Treatments

Date	Zone	Primary Job Type
5/1/1992	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL
Technical Result	Tech Result Details	Tech Result Note

Comment

Well Name: MANTEL J23-15

VERTICAL - ORIGINAL HOLE, 1/22/2015 9:53:55 AM

Stimulations & Treatments

Date	Zone	Primary Job Type
4/17/2000	CODELL, ORIGINAL HOLE	RE-FRAC
Technical Result	Tech Result Details	Tech Result Note

Comment

Date	Zone	Primary Job Type
6/22/2006	CODELL, ORIGINAL HOLE	TRI-FRAC
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)
4/18/1992	CEMENT BOND	6,220.0	7,356.0
4/18/1992	COMPENSATED DENSITY	4,050.0	7,379.0
4/18/1992	INDUCTION	4,050.0	5,050.0
5/17/2014	GYRO	10.0	7,100.0

