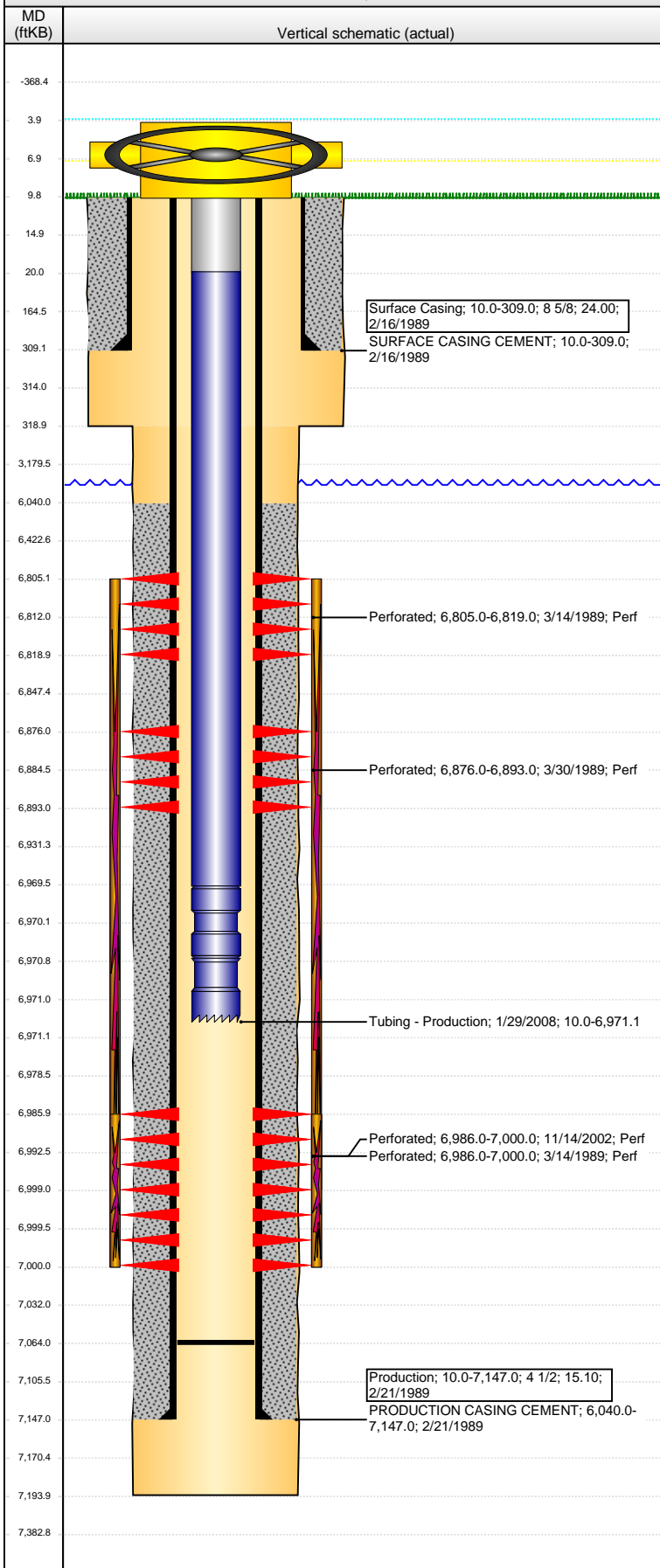


Well Name: SUN SOIL PMB31-02

VERTICAL - ORIGINAL HOLE, 2/6/2014 8:12:14 AM



Well Header

API 05-123-14051	Business Unit WATTENBERG	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,755.00	KB - GL / MSL (ftKB) 10.00	Spud Date 2/16/1989	P & A Date
Comment			

Directions To Well

WCR 50 & 51, NORTH 9/10, WEST 4/10, SOUTH INTO

Congressional Location

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Township	Twnshp N...	Range	Rng E/W Dir
		NW	NE	31	5	N	64	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
2/24/1989	7,079.0	CASED HOLE LOG	CBL DEPTH LOGGER
1/29/2008	7,064.0	TAG	CLEAN DOWN TO HARD SPOT

Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
Surface	12 1/4	10.0	319.0
Production	7 7/8	319.0	7,194.0

Zone Statuses

Zone Name	Status Date	Status	Job
CODELL	4/6/1989	PR	DRILLING/COMPLETION - ORIGINAL, 2/16/1989 00:00
CODELL	11/27/2002	PR	RE-FRAC, 11/26/2002 00:00
CODELL	3/7/2008	PR	TRI-FRAC, 1/9/2008 06:00
NIOBRARA	4/6/1989	PR	DRILLING/COMPLETION - ORIGINAL, 2/16/1989 00:00

Casing Strings

Surface Casing, 309.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Surface Casing	2/16/1989	8 5/8	24.00		10.0	309.0

Production, 7,147.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	2/21/1989	4 1/2	15.10		10.0	7,147.0

Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	10.0	309.0
Description	Top Depth (ftKB)	Bottom Depth (ftKB)
PRODUCTION CASING CEMENT	6,040.0	7,147.0

Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
Tubing Pup Joint	2 3/8	4.70	J-55	1	10.00	20.0	
Tubing	2 3/8	4.70	J-55	224	6,949.46	6,969.5	
Landing Nipple	2 3/8				1.30	6,970.8	
Notched collar	2 3/8				0.30	6,971.1	

Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE	A	4	6,805.00	6,819.00	3/14/1989
NIOBRARA, ORIGINAL HOLE	C	4	6,876.00	6,893.00	3/30/1989
CODELL, ORIGINAL HOLE		10	6,986.00	7,000.00	3/14/1989
CODELL, ORIGINAL HOLE		56	6,986.00	7,000.00	11/14/2002

Stimulations & Treatments

Date	Zone	Primary Job Type
3/30/1989	NIOBRARA-CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL
Technical Result	Tech Result Details	Tech Result Note
Success	Tip Screen-Out	

Comment

LIMITED ENTRY FRAC

Date	Zone	Primary Job Type
11/26/2002	CODELL, ORIGINAL HOLE	RE-FRAC
Technical Result	Tech Result Details	Tech Result Note

Comment

Well Name: SUN SOIL PMB31-02

VERTICAL - ORIGINAL HOLE, 2/6/2014 8:12:17 AM

Stimulations & Treatments

Date 1/25/2008	Zone CODELL, ORIGINAL HOLE	Primary Job Type TRI-FRAC
Technical Result Success	Tech Result Details According to Plan	Tech Result Note

Comment
TRI-FRAC THE CODELL - NO PROBLEMS TO REPORT

Other In Hole

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)

Logs

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
2/21/1989	COMPENSATED DENSITY LOG	4,200.0	7,162.0
2/24/1989	CBL/CCL/GR	5,950.0	7,075.0

