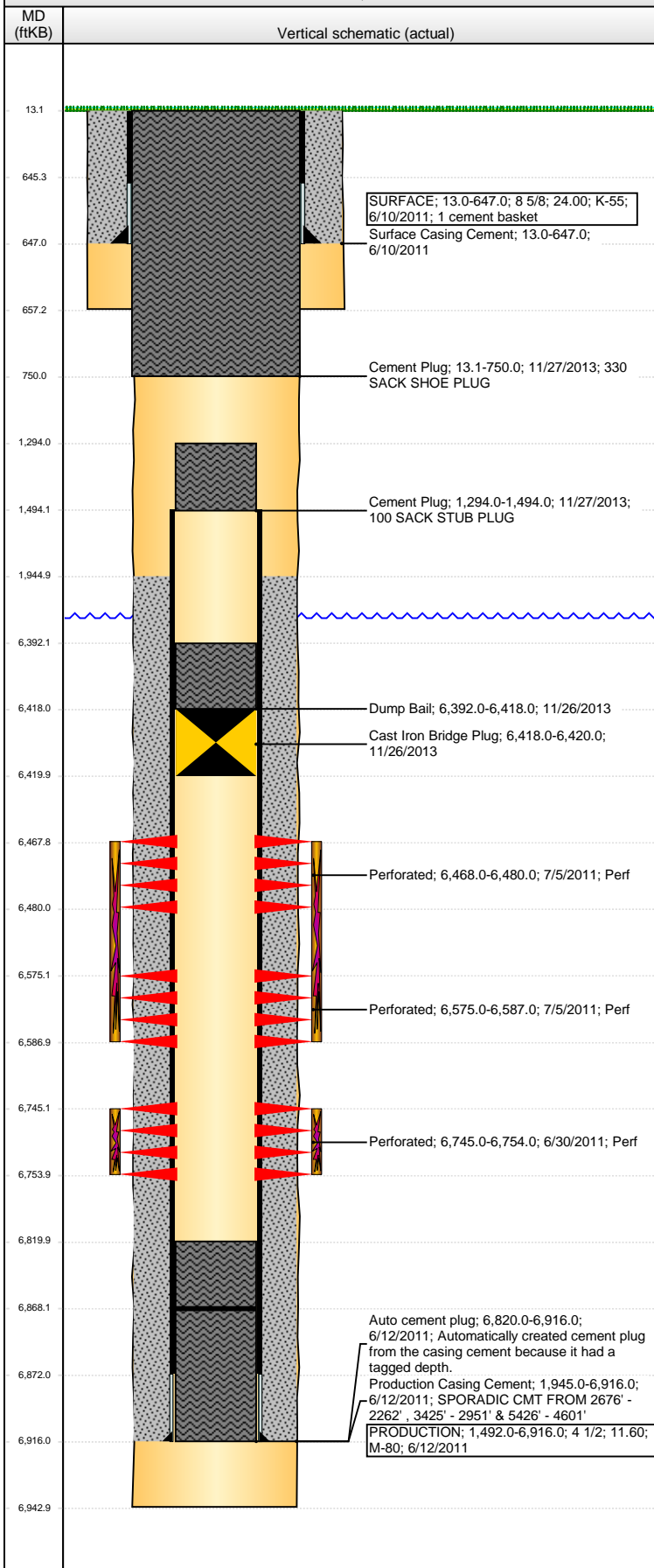


Well Name: WELLS RANCH PC AA22-04

VERTICAL - ORIGINAL HOLE, 1/10/2014 1:15:36 PM



Well Header

API 05-123-31894	Business Unit WATTENBERG	District 15	Well Config VERTICAL
Original KB Elevation (ft) 4,723.00	KB - GL / MSL (ftKB) 13.00	Spud Date 6/9/2011	P & A Date 12/2/2013

Comment

Directions To Well

WCR 67 & 68, EAST 2/10THS, SOUTH 0.25, THEN NORTHWEST INTO LOCATION

Congressional Location

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Township	Twnshp N...	Range	Rng E/W Dir
		NW	NW	22	6	N	63	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
6/12/2011	6,871.0	CASING TALLY	FLOAT COLLAR
6/28/2011	6,820.0	CASED HOLE LOG	DEPTH LOGGER ON CBL
8/29/2011	6,868.0	TUBING TALLY	DRILL CFTP W/ CUTRITE BIT AND N2, PUMP OFF...

Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	13.0	657.0
PRODUCTION	7 7/8	657.0	6,943.0

Zone Statuses

Zone Name	Status Date	Status	Job
NIOBRARA	7/8/2011	PR	DRILLING/COMPLETION - ORIGINAL, 7/8/2011 06:00
NIOBRARA	12/2/2013	P&A	ABANDON WELL, 11/25/2013 06:00
CODELL	7/8/2011	PR	DRILLING/COMPLETION - ORIGINAL, 7/8/2011 06:00
CODELL	12/2/2013	P&A	ABANDON WELL, 11/25/2013 06:00

Casing Strings

SURFACE, 647.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
SURFACE	6/10/2011	8 5/8	24.00	K-55	13.0	647.0

PRODUCTION, 6,916.0ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
PRODUCTION	6/12/2011	4 1/2	11.60	M-80	13.0	6,916.0

Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
Surface Casing Cement	13.0	647.0
Production Casing Cement	1,945.0	6,916.0
Dump Bail	6,392.0	6,418.0
Cement Plug	1,294.0	1,494.0
Cement Plug	13.1	750.0

Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
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Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE	A	24	6,468.00	6,480.00	7/5/2011
NIOBRARA, ORIGINAL HOLE	B	24	6,575.00	6,587.00	7/5/2011
CODELL, ORIGINAL HOLE		36	6,745.00	6,754.00	6/30/2011

Stimulations & Treatments

Date	Zone	Primary Job Type
7/5/2011	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL
Technical Result	Tech Result Details	Tech Result Note
Success	According to Plan	

Comment

(CODELL ND) ISIP 3096, 5 MIN 2536. REVERSE STEP RESULTS: NWB 356, PERF 159, WB 297, PERF OPEN 19, TOTAL 808. INCREASE RATE TO 22 BPM DUE TO LEAK OFF. JOB WENT WELL WITH NO ISSUES TO REPORT. AVERAGES: VISC 27.7, TEMP 77.3, PH 10.02, NOLTE +0.03. POST ISIP 3182, 5 MIN 3027.

Well Name: WELLS RANCH PC AA22-04

VERTICAL - ORIGINAL HOLE, 1/10/2014 1:15:39 PM

Stimulations & Treatments

Date 7/5/2011	Zone NIOBRARA, ORIGINAL HOLE	Primary Job Type DRILLING/COMPLETION - ORIGINAL
Technical Result Success	Tech Result Details According to Plan	Tech Result Note
Comment (NIOBRARA A&B ND) ISIP 3090. JOB WENT WELL WITH NO ISSUES TO REPORT. AVERAGES: VISC 23.0, TEMP 80.5, PH 10.06, NOLTE +0.07. POST ISIP 3307, 5 MIN 3180.		

Other In Hole

Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)
11/26/2013	Cast Iron Bridge Plug	3.9	6,418.0	6,420.0

Logs

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
6/12/2011	SPECTRAL DENSITY/Pe/DSN NEUTRON/SP/ARRAY COMPENSATED TRUE RESISTIVITY	3,448.0	6,939.0
6/12/2011	SPECTRAL GAMMA RAY	6,248.0	6,849.0
6/28/2011	CBL/CCL/GR	1,720.0	6,820.0
11/25/2013	GYRO	10.0	6,500.0

