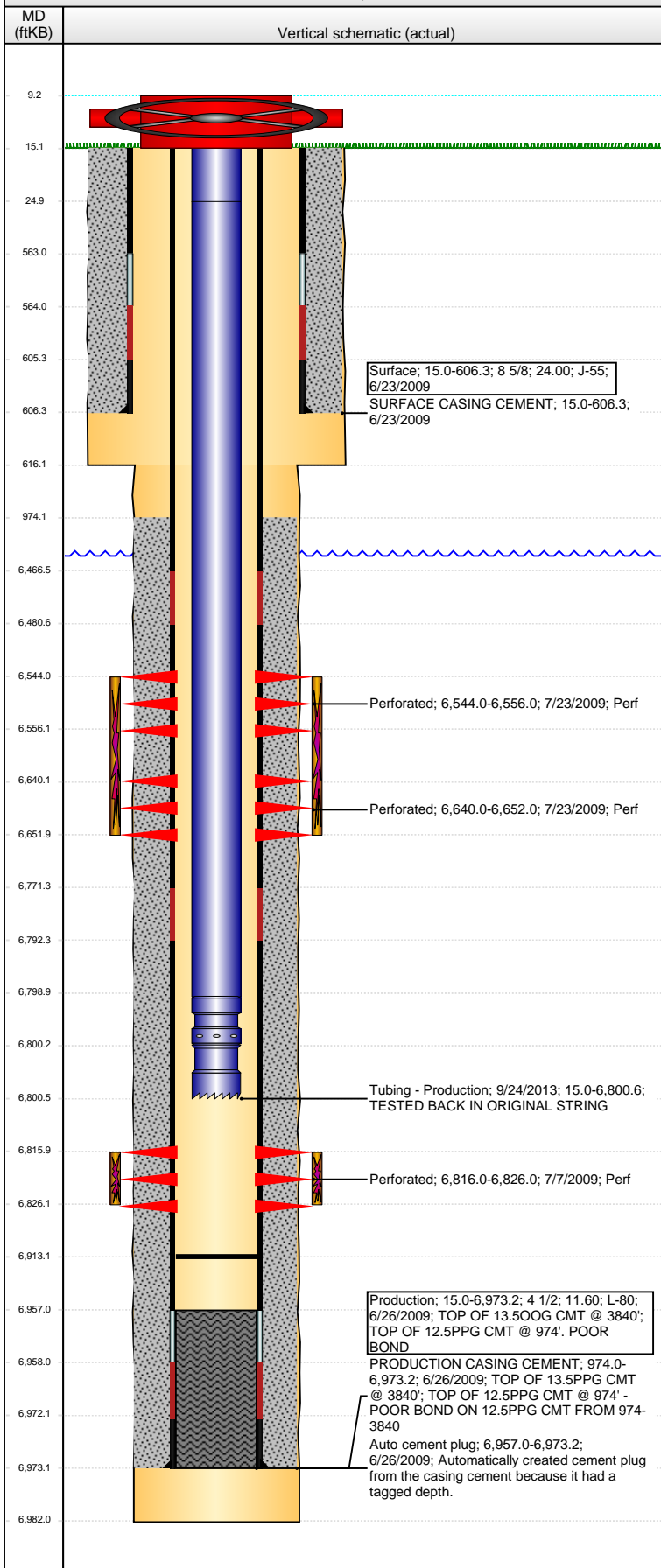


Well Name: WELLS RANCH USX AA23-13

VERTICAL - ORIGINAL HOLE, 3/11/2016 2:08:22 PM



Well Header

API	Business Unit	District	Well Config
05-123-29490	DJ BASIN	15	VERTICAL
Original KB Elevation (ft)	KB - GL / MSL (ftKB)	Spud Date	P & A Date
4,825	15.00	6/23/2009	

Comment

Directions To Well

WCR 67 & WCR 68, EAST .2 MILE, SOUTH 1.75 MILES, EAST .75 MILES, NORTH 1.0 MILE, SOUTHWEST INTO

Congressional Location

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Section	Township	Twnshp N...	Range	Rng E/W Dir
		SW	SW	23	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

Plug Back Total Depths

Date	Depth (ftKB)	Method	Com
6/26/2009	6,957.0	CASING TALLY	TOP OF FLOAT COLLAR
7/2/2009	6,933.0	CASED HOLE LOG	DEPTH LOGGER ON CBL
7/20/2009	6,954.0	TAG	
8/26/2009	6,929.0	TUBING TALLY	DRILL CIFT P W/ BURN SHOE, CHASE DOWN W/...
6/19/2013	6,901.0	TAG	
9/23/2013	6,913.0	TAG	D/O CBP TO 6913

Wellbore Sections

Section Des	Size (in)	Act Top, MD (ftKB)	Act Btm, MD (ftKB)
SURFACE	12 1/4	15.0	616.0
PRODUCTION	7 7/8	616.0	6,982.0

Zone Statuses

Zone Name	Status Date	Status	Fluid Type	Job	Prod Method
NIOBRARA	7/25/2009	PR		DRILLING/CO...	
CODELL	7/25/2009	PR		DRILLING/CO...	

Casing Strings

Surface, 606.3ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Surface	6/23/2009	8 5/8	24.00	J-55	15.0	606.3

Production, 6,973.2ftKB

Casing Description	Run Date	OD (in)	Wt/Len (l...)	Grade	Top, MD (ft...)	MD (ftKB)
Production	6/26/2009	4 1/2	11.60	L-80	15.0	6,973.2

Cement

Description	Top Depth (ftKB)	Bottom Depth (ftKB)
SURFACE CASING CEMENT	15.0	606.3
Description	Top Depth (ftKB)	Bottom Depth (ftKB)
PRODUCTION CASING CEMENT	974.0	6,973.2

Tubing Strings

Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	8/27/2009	2 3/8	1.995	4.70	J-55	6,788.77	
Tubing Description	Run Date	String...	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set De...
Tubing - Production	9/24/2013	2 3/8	1.995	4.70	J-55	6,785.56	

Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
Pup Joint	2 3/8	4.70	J-55	1	10.00	25.0	
Tubing	2 3/8	4.70	J-55	219	6,773.96	6,799.0	
Pump Seating Nipple	2 3/8	1.10		1	1.20	6,800.2	
Notched collar	2 3/8			1	0.40	6,800.6	

Perforation Data

Zone	Bnch/St g	Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
NIOBRARA, ORIGINAL HOLE	A	24	6,544.00	6,556.00	7/23/2009
NIOBRARA, ORIGINAL HOLE	B	24	6,640.00	6,652.00	7/23/2009
CODELL, ORIGINAL HOLE		40	6,816.00	6,826.00	7/7/2009

Well Name: WELLS RANCH USX AA23-13

VERTICAL - ORIGINAL HOLE, 3/11/2016 2:08:25 PM

Stimulations & Treatments

Date	Zone	Primary Job Type
7/23/2009	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL

Technical Result	Tech Result Details	Tech Result Note
Success	According to Plan	

Comment
(CODELL): PRE-JOB 5MIN = 2425 PSI. INCREASED RATE TO 22 BPM. JOB WENT WELL WITH NO ISSUES TO REPORT.

Date	Zone	Primary Job Type
7/23/2009	NIORARA, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL

Technical Result	Tech Result Details	Tech Result Note

Comment
(NIORARA): HAD SOME PROBLEMS DURING PAD GETTING RATE LINED OUT AND ONE PUMP CAME OFFLINE A COUPLE OF TIMES. AFTER THOSE ISSUES THE JOB WENT WELL.

Other In Hole

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

Logs

Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)
6/25/2009	BOREHOLE IMAGER	612.0	6,957.0
6/25/2009	RESISTIVITY	612.0	6,969.0
6/25/2009	SPECTRAL DENSITY/Pe/DSN NEUTRON/SP/ARRAY COMPENSATED TRUE RESISTIVITY/6 ARM CALIPER	612.0	6,979.0
6/25/2009	SPECTRAL GAMMA RAY	612.0	6,979.0
7/2/2009	CBL/CCL/GR	0.0	6,932.0
3/15/2013	GYRO	15.0	6,750.0

